October 29, 2020

Gretchen Heavner, Ph.D.
Floyd Snider
601 Union St. Ste. 600
Seattle, WA 98101

Dear: Dr. Heavner,

The following results are associated with Frontier Analytical Laboratory project **13371**. These results correspond to your **LDW ENR/AC Pilot Study** project. Twenty SPME fibers/Hexane samples were received on 10/01/2020 in good condition. All twenty SPME fiber/hexane samples were processed following EPA Method 1668C. As per your e-mail instructions received on 10/8/2020, only samples 13371-001-SA, 13371-002-SA, 13371-003-SA, 13371-004-SA, 13371-008-SA, 13371-009-SA, 13371-010-SA, 13371-013-SA, 13371-014-SA, 13371-015-SA, 13371-016-SA, 13371-017-SA and 13371-018-SA (Floyd Snider Sample IDs: LDW-Y3-EXTRA-S010-TB, LDW-Y3-IN-ENR+AC-CA-S010, LDW-Y3-IN-ENR+AC-CB-S010, LDW-Y3-IN-ENR+AC-CC-S010, LDW-Y3-IN-ENR-CB-S010, LDW-Y3-IN-ENR-CC-S010, LDW-Y3-IN-ENR-CD-S010, LDW-Y3-SC-ENR+AC-CA-S010, LDW-Y3-SC-ENR+AC-CA-S010-LONG, LDW-Y3-SC-ENR+AC-CB-S010, LDW-Y3-SC-ENR+AC-CB-S010-LONG, LDW-Y3-SC-ENR+AC-CC-S010 and LDW-Y3-SC-ENR+AC-CC-S010-LONG respectively) were analyzed for all 209 polychlorinated biphenyls (PCBs). The remaining seven sample extracts have been placed on hold as per your e-mail instructions. The total PCB concentration is listed in the upper right hand corner of the first data page (Page 1 of 3) of each EPA Method 1668C sample. A turnaround time of twenty-two days was provided for this project **13371**.

The following Level IV report consists of an Analytical Data section, a Sample Receipt section, a Laboratory Raw Data section, and an Instrument Raw Data section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, your e-mail dated 10/8/2020, our sample login form and the sample photos. The Laboratory Raw Data section contains our project request sheet, an extraction bench sheet and the cleanup bench sheet. The instrument raw data section contains three sub-sections; the sample results section, the initial calibration section and the continuing/ending calibration section. The sample results sub-section consists of the quantitation summary forms with chromatograms for all samples and QC. The initial calibration sub-section consists of the individual quantitation summary forms and chromatograms for each point of the initial calibration curve as well as an overall quantitation summary form of the initial calibration curve. The continuing/ending calibration sub-section consists of the quantitation summary forms and chromatograms for all daily calibration standards, beginning calibration, and ending calibration injections associated with the samples and QC. The enclosed results and Electronic Data Deliverable (EDD) are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**, our State of California ELAP certificate number is **2934**, and our State of Washington certificate number is **C844**. This report and the associated electronic data deliverable have been emailed to you. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13371**, please feel free to contact me at 916-934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Bradley B. Silverbush
Director of Operations

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **13371**

Received on: **10/01/2020** Project Due: **10/23/2020** Storage: **R-3**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13371-001-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-EXTRA-S010-TB	EPA 1668 PCB	Solvent	09/29/2020	03:22 pm	09/29/2021
13371-002-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR+AC-CA-S010	EPA 1668 PCB	Solvent	09/29/2020	09:53 am	09/29/2021
13371-003-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR+AC-CB-S010	EPA 1668 PCB	Solvent	09/29/2020	10:06 am	09/29/2021
13371-004-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR+AC-CC-S010	EPA 1668 PCB	Solvent	09/29/2020	10:15 am	09/29/2021
13371-005-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR+AC-CD-S010	EPA 1668 PCB	Solvent	09/29/2020	10:24 am	09/29/2021
13371-006-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR+AC-CE-S010	EPA 1668 PCB	Solvent	09/29/2020	10:29 am	09/29/2021
13371-007-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR-CA-S010	EPA 1668 PCB	Solvent	09/29/2020	10:41 am	09/29/2021
13371-008-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR-CB-S010	EPA 1668 PCB	Solvent	09/29/2020	10:50 am	09/29/2021
13371-009-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR-CC-S010	EPA 1668 PCB	Solvent	09/29/2020	11:01 am	09/29/2021
13371-010-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR-CD-S010	EPA 1668 PCB	Solvent	09/29/2020	11:13 am	09/29/2021
13371-011-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-ENR-CE-S010	EPA 1668 PCB	Solvent	09/29/2020	11:21 am	09/29/2021
13371-012-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-IN-S010-TB	EPA 1668 PCB	Solvent	09/28/2020	03:15 pm	09/28/2021
13371-013-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CA-S010	EPA 1668 PCB	Solvent	09/29/2020	01:42 pm	09/29/2021
13371-014-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CA-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	03:44 pm	09/29/2021
13371-015-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CB-S010	EPA 1668 PCB	Solvent	09/29/2020	01:51 pm	09/29/2021
13371-016-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CB-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	03:54 pm	09/29/2021
13371-017-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CC-S010	EPA 1668 PCB	Solvent	09/29/2020	01:59 pm	09/29/2021
13371-018-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CC-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:02 pm	09/29/2021
13371-019-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CD-S010	EPA 1668 PCB	Solvent	09/29/2020	02:07 pm	09/29/2021
13371-020-0001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CD-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:12 pm	09/29/2021

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.92			PCB-51	ND	7.40		
PCB-2	ND	5.21			PCB-52	ND	7.07	C	69
PCB-3	ND	5.45			PCB-53	ND	7.82		
PCB-4	ND	12.2			PCB-54	ND	5.96		
PCB-5	ND	8.66			PCB-55	ND	5.44		
PCB-6	ND	7.51			PCB-56	ND	6.69	C	60
PCB-7	ND	8.01			PCB-57	ND	5.75		
PCB-8	ND	8.39			PCB-58	ND	5.85		
PCB-9	ND	8.30			PCB-59	-	-	C042	42
PCB-10	ND	8.19			PCB-60	-	-	C056	56
PCB-11	ND	8.64			PCB-61	ND	6.34	C	70
PCB-12	ND	8.54			PCB-62	ND	6.34		
PCB-13	ND	8.69			PCB-63	ND	5.81		
PCB-14	ND	8.33			PCB-64	-	-	C041	41/71/72
PCB-15	ND	8.21			PCB-65	ND	6.11		
PCB-16	ND	5.51			PCB-66	ND	5.46	C	76
PCB-17	ND	6.25			PCB-67	ND	5.70		
PCB-18	ND	6.92			PCB-68	ND	5.46		
PCB-19	ND	6.98			PCB-69	-	-	C052	52
PCB-20	ND	5.87	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.28			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.63			PCB-73	ND	6.15		
PCB-24	ND	4.85			PCB-74	ND	5.71		
PCB-25	ND	5.99			PCB-75	-	-	C048	48
PCB-26	ND	5.94			PCB-76	-	-	C066	66
PCB-27	ND	4.69			PCB-77	ND	6.26		
PCB-28	ND	4.81			PCB-78	ND	6.09		
PCB-29	ND	5.80			PCB-79	ND	5.89		
PCB-30	ND	4.67			PCB-80	ND	4.81		
PCB-31	ND	4.81			PCB-81	ND	5.78		
PCB-32	ND	5.33			PCB-82	ND	9.45		
PCB-33	-	-	C020	20/21	PCB-83	ND	7.21	C	112
PCB-34	ND	5.92			PCB-84	ND	8.23	C	92
PCB-35	ND	5.78			PCB-85	ND	6.64	C	116
PCB-36	ND	5.60			PCB-86	ND	8.47		
PCB-37	ND	5.58			PCB-87	ND	6.39	C	117/125
PCB-38	ND	5.85			PCB-88	ND	8.27	C	91
PCB-39	ND	5.61			PCB-89	ND	8.43		
PCB-40	ND	9.99			PCB-90	ND	7.31	C	101
PCB-41	ND	6.32	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	7.13	C	59	PCB-92	-	-	C084	84
PCB-43	ND	8.16	C	49	PCB-93	ND	8.64		
PCB-44	ND	9.35			PCB-94	ND	9.06		
PCB-45	ND	8.85			PCB-95	ND	8.64		
PCB-46	ND	9.17			PCB-96	ND	6.29		
PCB-47	ND	8.04			PCB-97	ND	8.69		
PCB-48	ND	6.17	C	75	PCB-98	ND	8.37	C	102
PCB-49	-	-	C043	43	PCB-99	ND	6.88		
PCB-50	ND	7.63			PCB-100	ND	7.54		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	8.89		
PCB-102	-	-	C098	98	PCB-152	ND	8.35		
PCB-103	ND	7.58			PCB-153	ND	6.50		
PCB-104	ND	6.13			PCB-154	ND	9.41		
PCB-105	ND	7.07			PCB-155	ND	8.09		
PCB-106	ND	7.41	C	118	PCB-156	ND	6.71		
PCB-107	ND	7.02	C	108	PCB-157	ND	6.06		
PCB-108	-	-	C107	107	PCB-158	ND	6.06	C	160
PCB-109	ND	5.94			PCB-159	ND	5.72		
PCB-110	ND	5.83			PCB-160	-	-	C158	158
PCB-111	ND	5.90	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.26			PCB-163	-	-	C138	138/164
PCB-114	ND	6.85			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.23		
PCB-117	-	-	C087	87/125	PCB-167	ND	6.12		
PCB-118	-	-	C	106	PCB-168	ND	6.42		
PCB-119	ND	5.72			PCB-169	ND	5.45		
PCB-120	ND	5.37			PCB-170	ND	9.10		
PCB-121	ND	6.10			PCB-171	ND	8.87		
PCB-122	ND	6.76			PCB-172	ND	9.35		
PCB-123	ND	7.63			PCB-173	ND	9.85		
PCB-124	ND	7.32			PCB-174	ND	8.70		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.74		
PCB-126	ND	7.37			PCB-176	ND	6.44		
PCB-127	ND	7.39			PCB-177	ND	9.67		
PCB-128	ND	7.14	C	162	PCB-178	ND	9.06		
PCB-129	ND	9.39			PCB-179	ND	6.37		
PCB-130	ND	8.70			PCB-180	ND	9.10		
PCB-131	ND	9.07	C	133	PCB-181	ND	8.95		
PCB-132	ND	7.58	C	161	PCB-182	ND	7.96	C	187
PCB-133	-	-	C131	131	PCB-183	ND	8.19		
PCB-134	ND	9.32	C	143	PCB-184	ND	6.19		
PCB-135	ND	9.43			PCB-185	ND	8.62		
PCB-136	ND	9.20			PCB-186	ND	6.66		
PCB-137	ND	8.66			PCB-187	-	-	C182	182
PCB-138	ND	6.68	C	163/164	PCB-188	ND	7.16		
PCB-139	ND	7.67	C	149	PCB-189	ND	6.17		
PCB-140	ND	7.95			PCB-190	ND	6.87		
PCB-141	ND	8.17			PCB-191	ND	6.42		
PCB-142	ND	9.18			PCB-192	ND	7.15		
PCB-143	-	-	C134	134	PCB-193	ND	6.60		
PCB-144	ND	7.16			PCB-194	ND	8.48		
PCB-145	ND	8.41			PCB-195	ND	9.34		
PCB-146	ND	7.31	C	165	PCB-196	ND	8.71	C	203
PCB-147	ND	7.91			PCB-197	ND	6.83		
PCB-148	ND	9.74			PCB-198	ND	9.75		
PCB-149	-	-	C139	139	PCB-199	ND	9.26		
PCB-150	ND	8.23			PCB-200	ND	6.96		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.12		
PCB-202	ND	7.61		
PCB-203	-	-	C196	196
PCB-204	ND	7.01		
PCB-205	ND	7.10		
PCB-206	ND	9.74		
PCB-207	ND	7.30		
PCB-208	ND	6.98		
PCB-209	ND	7.04		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	80.0	5.00 - 145	
13C-PCB-3	82.6	5.00 - 145	
13C-PCB-4	83.8	5.00 - 145	
13C-PCB-15	86.4	5.00 - 145	
13C-PCB-19	82.4	5.00 - 145	
13C-PCB-37	101	5.00 - 145	
13C-PCB-54	87.6	5.00 - 145	
13C-PCB-77	94.6	10.0 - 145	
13C-PCB-81	97.6	10.0 - 145	
13C-PCB-104	76.2	10.0 - 145	
13C-PCB-105	97.4	10.0 - 145	
13C-PCB-114	97.1	10.0 - 145	
13C-PCB-118	99.0	10.0 - 145	
13C-PCB-123	99.3	10.0 - 145	
13C-PCB-126	96.9	10.0 - 145	
13C-PCB-155	75.9	10.0 - 145	
13C-PCB-156	87.5	10.0 - 145	
13C-PCB-157	88.3	10.0 - 145	
13C-PCB-167	88.2	10.0 - 145	
13C-PCB-169	83.4	10.0 - 145	
13C-PCB-188	83.9	10.0 - 145	
13C-PCB-189	67.9	10.0 - 145	
13C-PCB-202	75.2	10.0 - 145	
13C-PCB-205	89.5	10.0 - 145	
13C-PCB-206	83.9	10.0 - 145	
13C-PCB-208	88.7	10.0 - 145	
13C-PCB-209	79.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	88.2	10.0 - 145	
13C-PCB-178	77.9	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-001-OPR
Client ID: OPR
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: ng/ml

Acquired: 10-20-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	100	60.0 - 135	
PCB-3	100	60.0 - 135	
PCB-4	108	60.0 - 135	
PCB-15	99.4	60.0 - 135	
PCB-19	101	60.0 - 135	
PCB-37	97.6	60.0 - 135	
PCB-54	103	60.0 - 135	
PCB-77	103	60.0 - 135	
PCB-81	94.2	60.0 - 135	
PCB-104	102	60.0 - 135	
PCB-105	97.4	60.0 - 135	
PCB-114	98.6	60.0 - 135	
PCB-118	104	60.0 - 135	
PCB-123	108	60.0 - 135	
PCB-126	101	60.0 - 135	
PCB-155	102	60.0 - 135	
PCB-156	91.0	60.0 - 135	
PCB-157	92.0	60.0 - 135	
PCB-167	96.0	60.0 - 135	
PCB-169	98.6	60.0 - 135	
PCB-188	98.8	60.0 - 135	
PCB-189	101	60.0 - 135	
PCB-202	103	60.0 - 135	
PCB-205	99.6	60.0 - 135	
PCB-206	101	60.0 - 135	
PCB-208	98.2	60.0 - 135	
PCB-209	102	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	84.1	15.0 - 145	
13C-PCB-3	87.7	15.0 - 145	
13C-PCB-4	87.8	15.0 - 145	
13C-PCB-15	90.8	15.0 - 145	
13C-PCB-19	86.8	15.0 - 145	
13C-PCB-37	102	15.0 - 145	
13C-PCB-54	86.6	15.0 - 145	
13C-PCB-77	95.2	40.0 - 145	
13C-PCB-81	97.7	40.0 - 145	
13C-PCB-104	81.7	40.0 - 145	
13C-PCB-105	95.7	40.0 - 145	
13C-PCB-114	99.3	40.0 - 145	
13C-PCB-118	104	40.0 - 145	
13C-PCB-123	102	40.0 - 145	
13C-PCB-126	97.2	40.0 - 145	
13C-PCB-155	79.6	40.0 - 145	
13C-PCB-156	92.2	40.0 - 145	
13C-PCB-157	88.6	40.0 - 145	
13C-PCB-167	90.4	40.0 - 145	
13C-PCB-169	83.2	40.0 - 145	
13C-PCB-188	91.3	40.0 - 145	
13C-PCB-189	72.2	40.0 - 145	
13C-PCB-202	82.7	40.0 - 145	
13C-PCB-205	92.9	40.0 - 145	
13C-PCB-206	88.3	40.0 - 145	
13C-PCB-208	90.7	40.0 - 145	
13C-PCB-209	82.7	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	97.9	15.0 - 145	
13C-PCB-111	87.5	40.0 - 145	
13C-PCB-178	77.9	40.0 - 145	

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-16-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-16-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	7.54			PCB-51	ND	6.44		
PCB-2	ND	8.07			PCB-52	ND	6.45	C	69
PCB-3	ND	8.64			PCB-53	ND	6.73		
PCB-4	ND	16.5			PCB-54	ND	5.29		
PCB-5	ND	10.2			PCB-55	ND	4.91		
PCB-6	ND	10.6			PCB-56	ND	8.36	C	60
PCB-7	ND	10.0			PCB-57	ND	5.10		
PCB-8	ND	10.5			PCB-58	ND	5.12		
PCB-9	ND	10.5			PCB-59	-	-	C042	42
PCB-10	ND	9.54			PCB-60	-	-	C056	56
PCB-11	ND	11.3			PCB-61	ND	5.57	C	70
PCB-12	ND	11.2			PCB-62	ND	5.80		
PCB-13	ND	10.8			PCB-63	ND	4.99		
PCB-14	ND	10.5			PCB-64	-	-	C041	41/71/72
PCB-15	ND	10.8			PCB-65	ND	5.13		
PCB-16	ND	7.94			PCB-66	ND	4.85	C	76
PCB-17	ND	8.86			PCB-67	ND	5.08		
PCB-18	ND	9.48			PCB-68	ND	4.79		
PCB-19	ND	9.80			PCB-69	-	-	C052	52
PCB-20	ND	7.82	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	7.18			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.00			PCB-73	ND	4.90		
PCB-24	ND	6.82			PCB-74	ND	5.03		
PCB-25	ND	8.16			PCB-75	-	-	C048	48
PCB-26	ND	7.85			PCB-76	-	-	C066	66
PCB-27	ND	6.84			PCB-77	ND	9.20		
PCB-28	ND	6.41			PCB-78	ND	8.08		
PCB-29	ND	7.64			PCB-79	ND	7.92		
PCB-30	ND	6.74			PCB-80	ND	4.27		
PCB-31	ND	8.00			PCB-81	ND	7.20		
PCB-32	ND	7.60			PCB-82	ND	8.49		
PCB-33	-	-	C020	20/21	PCB-83	ND	6.57	C	112
PCB-34	ND	7.73			PCB-84	ND	7.45	C	92
PCB-35	ND	7.96			PCB-85	ND	6.15	C	116
PCB-36	ND	7.69			PCB-86	ND	7.84		
PCB-37	ND	7.65			PCB-87	ND	5.70	C	117/125
PCB-38	ND	7.54			PCB-88	ND	8.82	C	91
PCB-39	ND	7.48			PCB-89	ND	7.47		
PCB-40	ND	8.56			PCB-90	ND	6.75	C	101
PCB-41	ND	5.48	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	6.23	C	59	PCB-92	-	-	C084	84
PCB-43	ND	6.99	C	49	PCB-93	ND	9.16		
PCB-44	ND	8.05			PCB-94	ND	9.74		
PCB-45	ND	7.65			PCB-95	ND	9.11		
PCB-46	ND	7.92			PCB-96	ND	7.01		
PCB-47	ND	6.56			PCB-97	ND	7.62		
PCB-48	ND	5.49	C	75	PCB-98	ND	9.63	C	102
PCB-49	-	-	C043	43	PCB-99	ND	5.90		
PCB-50	ND	6.63			PCB-100	ND	8.20		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-16-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	8.28		
PCB-102	-	-	C098	98	PCB-152	ND	7.42		
PCB-103	ND	8.24			PCB-153	ND	6.91		
PCB-104	ND	6.86			PCB-154	ND	8.74		
PCB-105	ND	6.06			PCB-155	ND	7.10		
PCB-106	ND	5.96	C	118	PCB-156	ND	6.29		
PCB-107	ND	5.74	C	108	PCB-157	ND	7.46		
PCB-108	-	-	C107	107	PCB-158	ND	6.28	C	160
PCB-109	ND	5.50			PCB-159	ND	6.23		
PCB-110	ND	5.29			PCB-160	-	-	C158	158
PCB-111	ND	5.25	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.04			PCB-163	-	-	C138	138/164
PCB-114	ND	5.22			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.45		
PCB-117	-	-	C087	87/125	PCB-167	ND	7.24		
PCB-118	-	-	C	106	PCB-168	ND	6.28		
PCB-119	ND	5.17			PCB-169	ND	6.29		
PCB-120	ND	4.92			PCB-170	ND	12.7		
PCB-121	ND	6.91			PCB-171	ND	12.1		
PCB-122	ND	5.58			PCB-172	ND	13.2		
PCB-123	ND	5.71			PCB-173	ND	13.5		
PCB-124	ND	5.75			PCB-174	ND	11.2		
PCB-125	-	-	C087	87/117	PCB-175	ND	11.7		
PCB-126	ND	6.36			PCB-176	ND	8.86		
PCB-127	ND	5.96			PCB-177	ND	13.0		
PCB-128	ND	7.42	C	162	PCB-178	ND	12.3		
PCB-129	ND	9.57			PCB-179	ND	8.48		
PCB-130	ND	9.20			PCB-180	ND	12.7		
PCB-131	ND	9.09	C	133	PCB-181	ND	12.7		
PCB-132	ND	7.42	C	161	PCB-182	ND	11.0	C	187
PCB-133	-	-	C131	131	PCB-183	ND	11.0		
PCB-134	ND	9.13	C	143	PCB-184	ND	8.32		
PCB-135	ND	8.41			PCB-185	ND	11.9		
PCB-136	ND	7.71			PCB-186	ND	8.92		
PCB-137	ND	8.21			PCB-187	-	-	C182	182
PCB-138	ND	6.97	C	163/164	PCB-188	ND	9.99		
PCB-139	ND	7.78	C	149	PCB-189	ND	8.59		
PCB-140	ND	7.71			PCB-190	ND	9.87		
PCB-141	ND	8.15			PCB-191	ND	9.70		
PCB-142	ND	8.97			PCB-192	ND	10.0		
PCB-143	-	-	C134	134	PCB-193	ND	9.29		
PCB-144	ND	8.03			PCB-194	ND	9.54		
PCB-145	ND	7.35			PCB-195	ND	9.79		
PCB-146	ND	6.95	C	165	PCB-196	ND	12.9	C	203
PCB-147	ND	7.86			PCB-197	ND	9.81		
PCB-148	ND	9.49			PCB-198	ND	13.1		
PCB-149	-	-	C139	139	PCB-199	ND	13.7		
PCB-150	ND	7.33			PCB-200	ND	9.90		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-16-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	9.91		
PCB-202	ND	11.3		
PCB-203	-	-	C196	196
PCB-204	ND	10.2		
PCB-205	ND	7.78		
PCB-206	ND	6.92		
PCB-207	ND	5.15		
PCB-208	ND	5.06		
PCB-209	ND	6.42		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	88.0	5.00 - 145	
13C-PCB-3	88.8	5.00 - 145	
13C-PCB-4	88.9	5.00 - 145	
13C-PCB-15	91.0	5.00 - 145	
13C-PCB-19	83.9	5.00 - 145	
13C-PCB-37	94.7	5.00 - 145	
13C-PCB-54	98.7	5.00 - 145	
13C-PCB-77	86.2	10.0 - 145	
13C-PCB-81	96.1	10.0 - 145	
13C-PCB-104	88.7	10.0 - 145	
13C-PCB-105	93.2	10.0 - 145	
13C-PCB-114	93.2	10.0 - 145	
13C-PCB-118	92.1	10.0 - 145	
13C-PCB-123	98.1	10.0 - 145	
13C-PCB-126	99.8	10.0 - 145	
13C-PCB-155	87.4	10.0 - 145	
13C-PCB-156	101	10.0 - 145	
13C-PCB-157	100	10.0 - 145	
13C-PCB-167	98.0	10.0 - 145	
13C-PCB-169	106	10.0 - 145	
13C-PCB-188	84.8	10.0 - 145	
13C-PCB-189	91.2	10.0 - 145	
13C-PCB-202	87.2	10.0 - 145	
13C-PCB-205	93.9	10.0 - 145	
13C-PCB-206	93.1	10.0 - 145	
13C-PCB-208	91.9	10.0 - 145	
13C-PCB-209	90.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	92.0	5.00 - 145	
13C-PCB-111	90.8	10.0 - 145	
13C-PCB-178	86.1	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-OPR
Client ID: OPR
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-16-20
GC Column: DB1MS
Units: ng/ml

Acquired: 10-16-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	90.4	60.0 - 135	
PCB-3	91.2	60.0 - 135	
PCB-4	111	60.0 - 135	
PCB-15	86.4	60.0 - 135	
PCB-19	97.6	60.0 - 135	
PCB-37	85.8	60.0 - 135	
PCB-54	91.0	60.0 - 135	
PCB-77	92.4	60.0 - 135	
PCB-81	86.8	60.0 - 135	
PCB-104	93.2	60.0 - 135	
PCB-105	84.6	60.0 - 135	
PCB-114	86.2	60.0 - 135	
PCB-118	92.6	60.0 - 135	
PCB-123	93.4	60.0 - 135	
PCB-126	87.8	60.0 - 135	
PCB-155	100	60.0 - 135	
PCB-156	88.6	60.0 - 135	
PCB-157	90.0	60.0 - 135	
PCB-167	91.8	60.0 - 135	
PCB-169	96.2	60.0 - 135	
PCB-188	98.2	60.0 - 135	
PCB-189	97.4	60.0 - 135	
PCB-202	101	60.0 - 135	
PCB-205	92.6	60.0 - 135	
PCB-206	93.2	60.0 - 135	
PCB-208	94.8	60.0 - 135	
PCB-209	94.2	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	94.1	15.0 - 145	
13C-PCB-3	99.3	15.0 - 145	
13C-PCB-4	96.7	15.0 - 145	
13C-PCB-15	109	15.0 - 145	
13C-PCB-19	90.7	15.0 - 145	
13C-PCB-37	117	15.0 - 145	
13C-PCB-54	104	15.0 - 145	
13C-PCB-77	112	40.0 - 145	
13C-PCB-81	114	40.0 - 145	
13C-PCB-104	92.5	40.0 - 145	
13C-PCB-105	115	40.0 - 145	
13C-PCB-114	112	40.0 - 145	
13C-PCB-118	115	40.0 - 145	
13C-PCB-123	121	40.0 - 145	
13C-PCB-126	122	40.0 - 145	
13C-PCB-155	84.0	40.0 - 145	
13C-PCB-156	111	40.0 - 145	
13C-PCB-157	112	40.0 - 145	
13C-PCB-167	109	40.0 - 145	
13C-PCB-169	113	40.0 - 145	
13C-PCB-188	87.7	40.0 - 145	
13C-PCB-189	95.5	40.0 - 145	
13C-PCB-202	89.2	40.0 - 145	
13C-PCB-205	107	40.0 - 145	
13C-PCB-206	98.3	40.0 - 145	
13C-PCB-208	99.8	40.0 - 145	
13C-PCB-209	86.0	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	104	15.0 - 145	
13C-PCB-111	93.2	40.0 - 145	
13C-PCB-178	82.4	40.0 - 145	

Analyst: _____

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-SA
Client ID: LDW-Y3-EXTRA-S010-TB
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 42700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.51			PCB-51	ND	5.38		
PCB-2	ND	3.75			PCB-52	17.4	-	C,J	69
PCB-3	ND	3.95			PCB-53	ND	5.69		
PCB-4	ND	8.59			PCB-54	ND	4.33		
PCB-5	ND	6.15			PCB-55	38.0	-		
PCB-6	ND	5.34			PCB-56	ND	5.30	C	60
PCB-7	ND	5.69			PCB-57	ND	4.18		
PCB-8	ND	5.96			PCB-58	ND	4.26		
PCB-9	ND	5.89			PCB-59	-	-	C042	42
PCB-10	ND	5.81			PCB-60	-	-	C056	56
PCB-11	119	-			PCB-61	11.0	-	C,J	70
PCB-12	ND	6.07			PCB-62	ND	4.61		
PCB-13	ND	6.17			PCB-63	ND	4.22		
PCB-14	1740	-			PCB-64	-	-	C041	41/71/72
PCB-15	ND	5.92			PCB-65	ND	4.44		
PCB-16	ND	4.42			PCB-66	ND	3.97	C	76
PCB-17	ND	5.02			PCB-67	ND	4.15		
PCB-18	ND	5.56			PCB-68	12.5	-	J	
PCB-19	ND	5.61			PCB-69	-	-	C052,J	52
PCB-20	ND	6.48	C	21/33	PCB-70	-	-	C061,J	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.83			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.21			PCB-73	16.2	-	J	
PCB-24	ND	3.89			PCB-74	ND	4.15		
PCB-25	ND	6.62			PCB-75	-	-	C048	48
PCB-26	ND	6.55			PCB-76	-	-	C066	66
PCB-27	ND	3.77			PCB-77	ND	5.07		
PCB-28	ND	5.31			PCB-78	3870	-		
PCB-29	ND	6.40			PCB-79	ND	4.66		
PCB-30	ND	3.75			PCB-80	10.9	-	J	
PCB-31	ND	5.31			PCB-81	ND	4.48		
PCB-32	ND	4.28			PCB-82	ND	8.35		
PCB-33	-	-	C020	20/21	PCB-83	ND	6.37	C	112
PCB-34	ND	6.54			PCB-84	54.4	-	C	92
PCB-35	ND	6.39			PCB-85	ND	5.86	C	116
PCB-36	1340	-			PCB-86	ND	7.48		
PCB-37	ND	6.16			PCB-87	ND	5.65	C	117/125
PCB-38	ND	6.46			PCB-88	ND	7.08	C	91
PCB-39	ND	6.19			PCB-89	ND	7.45		
PCB-40	ND	7.27			PCB-90	13.1	-	C,J	101
PCB-41	ND	4.60	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	5.19	C	59	PCB-92	-	-	C084	84
PCB-43	ND	5.94	C	49	PCB-93	ND	7.40		
PCB-44	ND	6.80			PCB-94	ND	7.76		
PCB-45	ND	6.44			PCB-95	ND	7.40		
PCB-46	ND	6.67			PCB-96	ND	5.39		
PCB-47	16.6	-	J		PCB-97	ND	7.68		
PCB-48	ND	4.49	C	75	PCB-98	ND	7.17	C	102
PCB-49	-	-	C043	43	PCB-99	ND	6.08		
PCB-50	ND	5.55			PCB-100	ND	6.46		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-001-SA
Client ID: LDW-Y3-EXTRA-S010-TB
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090,J	90	PCB-151	ND	8.18		
PCB-102	-	-	C098	98	PCB-152	ND	7.84		
PCB-103	ND	6.50			PCB-153	55.4	-		
PCB-104	2990	-			PCB-154	ND	8.84		
PCB-105	ND	4.47			PCB-155	4670	-		
PCB-106	ND	5.09	C	118	PCB-156	ND	5.48		
PCB-107	ND	4.62	C	108	PCB-157	ND	5.75		
PCB-108	-	-	C107	107	PCB-158	ND	5.58	C	160
PCB-109	ND	5.25			PCB-159	ND	5.26		
PCB-110	ND	5.16			PCB-160	-	-	C158	158
PCB-111	ND	5.22	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	5.53			PCB-163	-	-	C138	138/164
PCB-114	ND	4.41			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146,J	146
PCB-116	-	-	C085	85	PCB-166	ND	5.73		
PCB-117	-	-	C087	87/125	PCB-167	ND	6.24		
PCB-118	-	-	C	106	PCB-168	ND	5.91		
PCB-119	ND	5.05			PCB-169	ND	4.91		
PCB-120	ND	4.75			PCB-170	ND	6.67		
PCB-121	4150	-			PCB-171	ND	6.50		
PCB-122	ND	4.45			PCB-172	121	-		
PCB-123	ND	5.14			PCB-173	ND	7.22		
PCB-124	ND	4.82			PCB-174	ND	6.38		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.41		
PCB-126	ND	4.90			PCB-176	ND	4.72		
PCB-127	ND	4.87			PCB-177	ND	7.09		
PCB-128	ND	6.57	C	162	PCB-178	ND	6.64		
PCB-129	ND	8.64			PCB-179	ND	4.67		
PCB-130	ND	8.00			PCB-180	ND	6.67		
PCB-131	903	-	C	133	PCB-181	ND	6.56		
PCB-132	21.3	-	C	161	PCB-182	ND	5.84	C	187
PCB-133	-	-	C131	131	PCB-183	ND	6.00		
PCB-134	ND	8.58	C	143	PCB-184	5530	-		
PCB-135	ND	8.67			PCB-185	ND	6.32		
PCB-136	ND	8.65			PCB-186	ND	4.88		
PCB-137	ND	7.96			PCB-187	-	-	C182	182
PCB-138	ND	6.14	C	163/164	PCB-188	ND	5.71		
PCB-139	ND	7.05	C	149	PCB-189	ND	4.09		
PCB-140	ND	7.31			PCB-190	ND	5.03		
PCB-141	ND	7.52			PCB-191	ND	4.71		
PCB-142	914	-			PCB-192	4750	-		
PCB-143	-	-	C134	134	PCB-193	ND	4.84		
PCB-144	ND	6.59			PCB-194	ND	8.01		
PCB-145	ND	7.90			PCB-195	ND	8.82		
PCB-146	16.7	-	C,J	165	PCB-196	ND	8.35	C	203
PCB-147	ND	7.28			PCB-197	54.2	-		
PCB-148	ND	9.15			PCB-198	ND	9.36		
PCB-149	-	-	C139	139	PCB-199	ND	8.88		
PCB-150	ND	7.73			PCB-200	ND	6.68		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-001-SA
Client ID: LDW-Y3-EXTRA-S010-TB
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	6.83		
PCB-202	ND	7.30		
PCB-203	-	-	C196	196
PCB-204	11200	-		
PCB-205	ND	6.70		
PCB-206	ND	9.27		
PCB-207	45.6	-		
PCB-208	ND	6.54		
PCB-209	56.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	86.4	5.00 - 145	
13C-PCB-3	90.0	5.00 - 145	
13C-PCB-4	93.6	5.00 - 145	
13C-PCB-15	97.7	5.00 - 145	
13C-PCB-19	85.1	5.00 - 145	
13C-PCB-37	112	5.00 - 145	
13C-PCB-54	94.1	5.00 - 145	
13C-PCB-77	108	10.0 - 145	
13C-PCB-81	109	10.0 - 145	
13C-PCB-104	74.2	10.0 - 145	
13C-PCB-105	111	10.0 - 145	
13C-PCB-114	117	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	117	10.0 - 145	
13C-PCB-126	110	10.0 - 145	
13C-PCB-155	81.6	10.0 - 145	
13C-PCB-156	99.1	10.0 - 145	
13C-PCB-157	98.1	10.0 - 145	
13C-PCB-167	98.8	10.0 - 145	
13C-PCB-169	91.9	10.0 - 145	
13C-PCB-188	85.2	10.0 - 145	
13C-PCB-189	79.0	10.0 - 145	
13C-PCB-202	74.0	10.0 - 145	
13C-PCB-205	98.4	10.0 - 145	
13C-PCB-206	92.3	10.0 - 145	
13C-PCB-208	94.0	10.0 - 145	
13C-PCB-209	81.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	108	5.00 - 145	
13C-PCB-111	93.4	10.0 - 145	
13C-PCB-178	81.4	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-002-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 43600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.13			PCB-51	23.0	-		
PCB-2	ND	3.42			PCB-52	626	-	C	69
PCB-3	ND	3.68			PCB-53	64.0	-		
PCB-4	21.5	-			PCB-54	ND	5.58		
PCB-5	ND	7.86			PCB-55	39.7	-		
PCB-6	15.0	-	J		PCB-56	81.2	-	C	60
PCB-7	ND	7.27			PCB-57	ND	5.39		
PCB-8	32.8	-			PCB-58	ND	5.48		
PCB-9	ND	7.53			PCB-59	-	-	C042	42
PCB-10	ND	7.43			PCB-60	-	-	C056	56
PCB-11	16.7	-	J		PCB-61	217	-	C	70
PCB-12	ND	7.75			PCB-62	ND	5.94		
PCB-13	ND	7.89			PCB-63	9.33	-	J	
PCB-14	253	-			PCB-64	-	-	C041	41/71/72
PCB-15	12.4	-	J		PCB-65	ND	5.72		
PCB-16	35.4	-			PCB-66	169	-	C	76
PCB-17	65.8	-			PCB-67	10.3	-	J	
PCB-18	159	-			PCB-68	12.8	-	J	
PCB-19	18.3	-	J		PCB-69	-	-	C052	52
PCB-20	67.0	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	35.1	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	9.00			PCB-73	19.4	-	J	
PCB-24	8.43	-	J		PCB-74	83.0	-		
PCB-25	38.2	-			PCB-75	-	-	C048	48
PCB-26	86.3	-			PCB-76	-	-	C066	66
PCB-27	8.21	-	J		PCB-77	ND	9.60		
PCB-28	117	-			PCB-78	2470	-		
PCB-29	ND	9.28			PCB-79	ND	9.12		
PCB-30	ND	3.76			PCB-80	ND	4.51		
PCB-31	114	-			PCB-81	ND	9.06		
PCB-32	35.4	-			PCB-82	51.2	-		
PCB-33	-	-	C020	20/21	PCB-83	35.4	-	C	112
PCB-34	ND	9.48			PCB-84	371	-	C	92
PCB-35	ND	9.26			PCB-85	74.5	-	C	116
PCB-36	641	-			PCB-86	ND	8.60		
PCB-37	22.7	-			PCB-87	187	-	C	117/125
PCB-38	ND	9.36			PCB-88	ND	6.36	C	91
PCB-39	ND	8.97			PCB-89	10.8	-	J	
PCB-40	42.0	-			PCB-90	583	-	C	101
PCB-41	192	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	96.8	-	C	59	PCB-92	-	-	C084	84
PCB-43	372	-	C	49	PCB-93	ND	6.65		
PCB-44	304	-			PCB-94	ND	6.98		
PCB-45	46.3	-			PCB-95	774	-		
PCB-46	21.6	-			PCB-96	ND	4.84		
PCB-47	107	-			PCB-97	172	-		
PCB-48	46.8	-	C	75	PCB-98	ND	6.44	C	102
PCB-49	-	-	C043	43	PCB-99	264	-		
PCB-50	9.67	-	J		PCB-100	14.5	-	J	

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-002-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	128	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.19		
PCB-103	14.4	-	J		PCB-153	386	-		
PCB-104	2580	-			PCB-154	22.2	-		
PCB-105	91.5	-			PCB-155	4240	-		
PCB-106	292	-	C	118	PCB-156	25.1	-		
PCB-107	25.8	-	C	108	PCB-157	9.08	-	J	
PCB-108	-	-	C107	107	PCB-158	41.7	-	C	160
PCB-109	ND	6.03			PCB-159	ND	5.29		
PCB-110	536	-			PCB-160	-	-	C158	158
PCB-111	12.8	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.36			PCB-163	-	-	C138	138/164
PCB-114	ND	7.79			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	5.76		
PCB-117	-	-	C087	87/125	PCB-167	16.1	-	J	
PCB-118	-	-	C	106	PCB-168	ND	5.94		
PCB-119	19.5	-	J		PCB-169	ND	5.45		
PCB-120	ND	5.46			PCB-170	38.9	-		
PCB-121	3590	-			PCB-171	20.8	-		
PCB-122	ND	7.43			PCB-172	137	-		
PCB-123	ND	8.57			PCB-173	ND	10.4		
PCB-124	18.6	-	J		PCB-174	62.2	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.22		
PCB-126	ND	8.93			PCB-176	15.5	-	J	
PCB-127	ND	8.12			PCB-177	47.0	-		
PCB-128	59.6	-	C	162	PCB-178	25.0	-		
PCB-129	27.2	-			PCB-179	34.7	-		
PCB-130	35.6	-			PCB-180	122	-		
PCB-131	17.8	-	C,J	133	PCB-181	ND	9.44		
PCB-132	138	-	C	161	PCB-182	96.3	-	C	187
PCB-133	-	-	C131,J	131	PCB-183	46.4	-		
PCB-134	40.0	-	C	143	PCB-184	5130	-		
PCB-135	87.0	-			PCB-185	ND	9.10		
PCB-136	86.8	-			PCB-186	ND	7.02		
PCB-137	21.2	-			PCB-187	-	-	C182	182
PCB-138	363	-	C	163/164	PCB-188	ND	7.45		
PCB-139	371	-	C	149	PCB-189	ND	6.68		
PCB-140	ND	10.5			PCB-190	ND	7.24		
PCB-141	62.6	-			PCB-191	ND	6.77		
PCB-142	774	-			PCB-192	4040	-		
PCB-143	-	-	C134	134	PCB-193	ND	6.96		
PCB-144	19.5	-	J		PCB-194	22.0	-		
PCB-145	ND	6.24			PCB-195	ND	7.49		
PCB-146	77.4	-	C	165	PCB-196	ND	8.82	C	203
PCB-147	15.9	-	J		PCB-197	57.6	-		
PCB-148	ND	7.22			PCB-198	ND	9.88		
PCB-149	-	-	C139	139	PCB-199	ND	9.38		
PCB-150	ND	6.10			PCB-200	ND	7.05		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-002-SA
Client ID: LDW-Y3-IN-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.21		
PCB-202	ND	7.71		
PCB-203	-	-	C196	196
PCB-204	10000	-		
PCB-205	ND	5.69		
PCB-206	ND	9.52		
PCB-207	37.6	-		
PCB-208	ND	7.94		
PCB-209	55.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	77.7	5.00 - 145	
13C-PCB-3	80.3	5.00 - 145	
13C-PCB-4	80.5	5.00 - 145	
13C-PCB-15	86.7	5.00 - 145	
13C-PCB-19	77.9	5.00 - 145	
13C-PCB-37	97.3	5.00 - 145	
13C-PCB-54	85.7	5.00 - 145	
13C-PCB-77	93.9	10.0 - 145	
13C-PCB-81	95.7	10.0 - 145	
13C-PCB-104	72.3	10.0 - 145	
13C-PCB-105	91.5	10.0 - 145	
13C-PCB-114	97.9	10.0 - 145	
13C-PCB-118	94.4	10.0 - 145	
13C-PCB-123	97.6	10.0 - 145	
13C-PCB-126	92.3	10.0 - 145	
13C-PCB-155	76.2	10.0 - 145	
13C-PCB-156	83.9	10.0 - 145	
13C-PCB-157	87.8	10.0 - 145	
13C-PCB-167	85.9	10.0 - 145	
13C-PCB-169	79.7	10.0 - 145	
13C-PCB-188	78.8	10.0 - 145	
13C-PCB-189	70.3	10.0 - 145	
13C-PCB-202	70.5	10.0 - 145	
13C-PCB-205	90.2	10.0 - 145	
13C-PCB-206	89.2	10.0 - 145	
13C-PCB-208	88.0	10.0 - 145	
13C-PCB-209	84.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	102	5.00 - 145	
13C-PCB-111	92.0	10.0 - 145	
13C-PCB-178	80.4	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-003-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 47200

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.05			PCB-51	22.7	-		
PCB-2	ND	4.18			PCB-52	601	-	C	69
PCB-3	ND	4.27			PCB-53	62.3	-		
PCB-4	30.8	-			PCB-54	ND	5.22		
PCB-5	ND	7.98			PCB-55	46.9	-		
PCB-6	19.3	-	J		PCB-56	101	-	C	60
PCB-7	ND	7.38			PCB-57	ND	5.04		
PCB-8	38.3	-			PCB-58	ND	5.13		
PCB-9	ND	7.64			PCB-59	-	-	C042	42
PCB-10	ND	7.54			PCB-60	-	-	C056	56
PCB-11	23.5	-			PCB-61	253	-	C	70
PCB-12	ND	7.87			PCB-62	ND	5.56		
PCB-13	ND	8.01			PCB-63	14.7	-	J	
PCB-14	257	-			PCB-64	-	-	C041	41/71/72
PCB-15	17.4	-	J		PCB-65	ND	5.35		
PCB-16	43.4	-			PCB-66	197	-	C	76
PCB-17	64.7	-			PCB-67	16.0	-	J	
PCB-18	158	-			PCB-68	13.1	-	J	
PCB-19	21.9	-			PCB-69	-	-	C052	52
PCB-20	80.8	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	42.3	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.06			PCB-73	18.8	-	J	
PCB-24	11.7	-	J		PCB-74	104	-		
PCB-25	38.1	-			PCB-75	-	-	C048	48
PCB-26	80.5	-			PCB-76	-	-	C066	66
PCB-27	11.2	-	J		PCB-77	13.8	-	J	
PCB-28	146	-			PCB-78	2570	-		
PCB-29	ND	7.28			PCB-79	ND	7.25		
PCB-30	ND	5.62			PCB-80	ND	4.22		
PCB-31	133	-			PCB-81	13.9	-	J	
PCB-32	32.5	-			PCB-82	58.8	-		
PCB-33	-	-	C020	20/21	PCB-83	34.1	-	C	112
PCB-34	ND	7.43			PCB-84	332	-	C	92
PCB-35	ND	7.26			PCB-85	88.8	-	C	116
PCB-36	641	-			PCB-86	ND	7.88		
PCB-37	28.7	-			PCB-87	196	-	C	117/125
PCB-38	ND	7.34			PCB-88	ND	6.09	C	91
PCB-39	ND	7.03			PCB-89	ND	7.85		
PCB-40	47.1	-			PCB-90	609	-	C	101
PCB-41	202	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	93.3	-	C	59	PCB-92	-	-	C084	84
PCB-43	346	-	C	49	PCB-93	ND	6.36		
PCB-44	314	-			PCB-94	ND	6.68		
PCB-45	44.1	-			PCB-95	744	-		
PCB-46	20.2	-			PCB-96	ND	4.63		
PCB-47	120	-			PCB-97	179	-		
PCB-48	54.5	-	C	75	PCB-98	ND	6.17	C	102
PCB-49	-	-	C043	43	PCB-99	274	-		
PCB-50	ND	6.69			PCB-100	17.2	-	J	

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-003-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	144	-		
PCB-102	-	-	C098	98	PCB-152	ND	7.56		
PCB-103	13.8	-	J		PCB-153	431	-		
PCB-104	2840	-			PCB-154	29.1	-		
PCB-105	115	-			PCB-155	4930	-		
PCB-106	363	-	C	118	PCB-156	33.1	-		
PCB-107	31.4	-	C	108	PCB-157	10.8	-	J	
PCB-108	-	-	C107	107	PCB-158	52.5	-	C	160
PCB-109	ND	5.53			PCB-159	8.63	-	J	
PCB-110	582	-			PCB-160	-	-	C158	158
PCB-111	8.76	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	5.83			PCB-163	-	-	C138	138/164
PCB-114	12.2	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	5.36		
PCB-117	-	-	C087	87/125	PCB-167	20.1	-		
PCB-118	-	-	C	106	PCB-168	ND	5.53		
PCB-119	18.4	-	J		PCB-169	ND	4.55		
PCB-120	ND	5.00			PCB-170	49.1	-		
PCB-121	3900	-			PCB-171	27.2	-		
PCB-122	ND	6.69			PCB-172	126	-		
PCB-123	9.71	-	J		PCB-173	ND	8.78		
PCB-124	23.4	-			PCB-174	70.5	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.80		
PCB-126	ND	7.46			PCB-176	ND	5.75		
PCB-127	ND	7.31			PCB-177	53.9	-		
PCB-128	74.0	-	C	162	PCB-178	22.7	-		
PCB-129	28.8	-			PCB-179	44.7	-		
PCB-130	35.4	-			PCB-180	129	-		
PCB-131	26.2	-	C	133	PCB-181	ND	7.98		
PCB-132	173	-	C	161	PCB-182	108	-	C	187
PCB-133	-	-	C131	131	PCB-183	66.5	-		
PCB-134	42.8	-	C	143	PCB-184	5550	-		
PCB-135	106	-			PCB-185	ND	7.70		
PCB-136	107	-			PCB-186	ND	5.94		
PCB-137	31.4	-			PCB-187	-	-	C182	182
PCB-138	439	-	C	163/164	PCB-188	ND	6.81		
PCB-139	448	-	C	149	PCB-189	ND	5.07		
PCB-140	ND	6.84			PCB-190	ND	6.13		
PCB-141	78.1	-			PCB-191	ND	5.73		
PCB-142	837	-			PCB-192	4260	-		
PCB-143	-	-	C134	134	PCB-193	ND	5.89		
PCB-144	20.1	-			PCB-194	16.3	-	J	
PCB-145	ND	7.62			PCB-195	ND	9.61		
PCB-146	82.7	-	C	165	PCB-196	28.5	-	C	203
PCB-147	22.8	-			PCB-197	60.8	-		
PCB-148	ND	8.82			PCB-198	ND	12.3		
PCB-149	-	-	C139	139	PCB-199	ND	11.7		
PCB-150	ND	7.45			PCB-200	ND	8.77		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-003-SA
Client ID: LDW-Y3-IN-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	8.97		
PCB-202	ND	9.59		
PCB-203	-	-	C196	196
PCB-204	10600	-		
PCB-205	ND	7.30		
PCB-206	ND	9.01		
PCB-207	42.2	-		
PCB-208	ND	6.99		
PCB-209	60.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	71.0	5.00 - 145	
13C-PCB-3	75.9	5.00 - 145	
13C-PCB-4	78.8	5.00 - 145	
13C-PCB-15	82.0	5.00 - 145	
13C-PCB-19	73.5	5.00 - 145	
13C-PCB-37	95.4	5.00 - 145	
13C-PCB-54	82.3	5.00 - 145	
13C-PCB-77	93.9	10.0 - 145	
13C-PCB-81	96.4	10.0 - 145	
13C-PCB-104	69.3	10.0 - 145	
13C-PCB-105	95.0	10.0 - 145	
13C-PCB-114	97.2	10.0 - 145	
13C-PCB-118	97.5	10.0 - 145	
13C-PCB-123	98.7	10.0 - 145	
13C-PCB-126	93.7	10.0 - 145	
13C-PCB-155	68.8	10.0 - 145	
13C-PCB-156	86.6	10.0 - 145	
13C-PCB-157	84.8	10.0 - 145	
13C-PCB-167	87.0	10.0 - 145	
13C-PCB-169	80.2	10.0 - 145	
13C-PCB-188	76.5	10.0 - 145	
13C-PCB-189	66.7	10.0 - 145	
13C-PCB-202	65.3	10.0 - 145	
13C-PCB-205	85.7	10.0 - 145	
13C-PCB-206	83.7	10.0 - 145	
13C-PCB-208	79.4	10.0 - 145	
13C-PCB-209	75.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	102	5.00 - 145	
13C-PCB-111	88.2	10.0 - 145	
13C-PCB-178	77.7	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-004-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 41900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.04			PCB-51	14.7	-	J	
PCB-2	ND	3.30			PCB-52	381	-	C	69
PCB-3	ND	3.54			PCB-53	49.2	-		
PCB-4	16.9	-	J		PCB-54	ND	5.08		
PCB-5	ND	7.13			PCB-55	40.2	-		
PCB-6	10.6	-	J		PCB-56	77.8	-	C	60
PCB-7	ND	6.60			PCB-57	ND	4.90		
PCB-8	26.0	-			PCB-58	ND	4.98		
PCB-9	ND	6.83			PCB-59	-	-	C042	42
PCB-10	ND	6.74			PCB-60	-	-	C056	56
PCB-11	16.9	-	J		PCB-61	165	-	C	70
PCB-12	ND	7.03			PCB-62	ND	5.40		
PCB-13	ND	7.16			PCB-63	11.2	-	J	
PCB-14	258	-			PCB-64	-	-	C041	41/71/72
PCB-15	11.0	-	J		PCB-65	ND	5.20		
PCB-16	21.8	-			PCB-66	133	-	C	76
PCB-17	42.7	-			PCB-67	8.93	-	J	
PCB-18	105	-			PCB-68	12.8	-	J	
PCB-19	14.0	-	J		PCB-69	-	-	C052	52
PCB-20	56.9	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	31.6	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.07			PCB-73	14.5	-	J	
PCB-24	ND	5.77			PCB-74	70.5	-		
PCB-25	22.3	-			PCB-75	-	-	C048	48
PCB-26	49.6	-			PCB-76	-	-	C066	66
PCB-27	ND	5.58			PCB-77	ND	6.15		
PCB-28	95.7	-			PCB-78	2700	-		
PCB-29	ND	5.23			PCB-79	ND	5.71		
PCB-30	ND	5.56			PCB-80	8.86	-	J	
PCB-31	94.2	-			PCB-81	ND	5.53		
PCB-32	29.2	-			PCB-82	42.1	-		
PCB-33	-	-	C020	20/21	PCB-83	27.3	-	C	112
PCB-34	ND	5.34			PCB-84	237	-	C	92
PCB-35	ND	5.21			PCB-85	56.7	-	C	116
PCB-36	655	-			PCB-86	ND	8.89		
PCB-37	20.1	-			PCB-87	127	-	C	117/125
PCB-38	ND	5.27			PCB-88	ND	5.58	C	91
PCB-39	ND	5.05			PCB-89	ND	8.85		
PCB-40	31.5	-			PCB-90	420	-	C	101
PCB-41	138	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	67.8	-	C	59	PCB-92	-	-	C084	84
PCB-43	248	-	C	49	PCB-93	ND	5.83		
PCB-44	195	-			PCB-94	ND	6.11		
PCB-45	32.3	-			PCB-95	488	-		
PCB-46	15.5	-	J		PCB-96	ND	4.24		
PCB-47	92.9	-			PCB-97	125	-		
PCB-48	32.5	-	C	75	PCB-98	ND	5.65	C	102
PCB-49	-	-	C043	43	PCB-99	186	-		
PCB-50	ND	6.50			PCB-100	ND	5.09		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-004-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	98.7	-		
PCB-102	-	-	C098	98	PCB-152	ND	7.50		
PCB-103	ND	5.12			PCB-153	317	-		
PCB-104	2350	-			PCB-154	20.6	-		
PCB-105	85.2	-			PCB-155	4190	-		
PCB-106	242	-	C	118	PCB-156	23.1	-		
PCB-107	24.6	-	C	108	PCB-157	ND	5.07		
PCB-108	-	-	C107	107	PCB-158	33.4	-	C	160
PCB-109	ND	6.24			PCB-159	ND	4.66		
PCB-110	391	-			PCB-160	-	-	C158	158
PCB-111	ND	6.21	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.58			PCB-163	-	-	C138	138/164
PCB-114	ND	7.77			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	5.08		
PCB-117	-	-	C087	87/125	PCB-167	11.2	-	J	
PCB-118	-	-	C	106	PCB-168	ND	5.24		
PCB-119	13.9	-	J		PCB-169	ND	4.81		
PCB-120	ND	5.64			PCB-170	37.1	-		
PCB-121	3640	-			PCB-171	17.7	-	J	
PCB-122	ND	6.91			PCB-172	149	-		
PCB-123	ND	8.50			PCB-173	ND	8.63		
PCB-124	12.0	-	J		PCB-174	37.0	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.66		
PCB-126	ND	8.45			PCB-176	ND	5.65		
PCB-127	ND	7.55			PCB-177	37.6	-		
PCB-128	51.5	-	C	162	PCB-178	17.9	-	J	
PCB-129	19.7	-	J		PCB-179	28.8	-		
PCB-130	25.3	-			PCB-180	98.4	-		
PCB-131	16.6	-	C,J	133	PCB-181	ND	7.84		
PCB-132	120	-	C	161	PCB-182	82.7	-	C	187
PCB-133	-	-	C131,J	131	PCB-183	38.2	-		
PCB-134	27.4	-	C	143	PCB-184	4560	-		
PCB-135	73.1	-			PCB-185	ND	7.56		
PCB-136	76.9	-			PCB-186	ND	5.84		
PCB-137	20.3	-			PCB-187	-	-	C182	182
PCB-138	300	-	C	163/164	PCB-188	ND	7.20		
PCB-139	301	-	C	149	PCB-189	ND	4.57		
PCB-140	ND	6.48			PCB-190	ND	6.02		
PCB-141	60.8	-			PCB-191	ND	5.63		
PCB-142	760	-			PCB-192	4450	-		
PCB-143	-	-	C134	134	PCB-193	ND	5.79		
PCB-144	14.5	-	J		PCB-194	17.2	-	J	
PCB-145	ND	7.56			PCB-195	ND	6.58		
PCB-146	64.8	-	C	165	PCB-196	19.9	-	C,J	203
PCB-147	15.0	-	J		PCB-197	54.3	-		
PCB-148	ND	8.75			PCB-198	ND	9.88		
PCB-149	-	-	C139	139	PCB-199	17.8	-	J	
PCB-150	ND	7.39			PCB-200	ND	7.05		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-004-SA
Client ID: LDW-Y3-IN-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.21		
PCB-202	ND	7.71		
PCB-203	-	-	C196,J	196
PCB-204	10900	-		
PCB-205	ND	4.99		
PCB-206	ND	7.39		
PCB-207	42.4	-		
PCB-208	ND	5.72		
PCB-209	65.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	78.5	5.00 - 145	
13C-PCB-3	78.7	5.00 - 145	
13C-PCB-4	84.4	5.00 - 145	
13C-PCB-15	88.0	5.00 - 145	
13C-PCB-19	78.2	5.00 - 145	
13C-PCB-37	101	5.00 - 145	
13C-PCB-54	88.8	5.00 - 145	
13C-PCB-77	99.7	10.0 - 145	
13C-PCB-81	103	10.0 - 145	
13C-PCB-104	75.9	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	108	10.0 - 145	
13C-PCB-118	107	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	101	10.0 - 145	
13C-PCB-155	77.6	10.0 - 145	
13C-PCB-156	101	10.0 - 145	
13C-PCB-157	98.2	10.0 - 145	
13C-PCB-167	98.9	10.0 - 145	
13C-PCB-169	91.5	10.0 - 145	
13C-PCB-188	85.3	10.0 - 145	
13C-PCB-189	83.2	10.0 - 145	
13C-PCB-202	79.2	10.0 - 145	
13C-PCB-205	94.8	10.0 - 145	
13C-PCB-206	87.2	10.0 - 145	
13C-PCB-208	95.7	10.0 - 145	
13C-PCB-209	84.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	92.7	10.0 - 145	
13C-PCB-178	86.1	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-008-SA
Client ID: LDW-Y3-IN-ENR-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 48400

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.58			PCB-51	19.3	-	J	
PCB-2	ND	3.80			PCB-52	680	-	C	69
PCB-3	ND	3.98			PCB-53	75.5	-		
PCB-4	29.9	-			PCB-54	ND	5.30		
PCB-5	ND	7.86			PCB-55	45.5	-		
PCB-6	18.0	-	J		PCB-56	111	-	C	60
PCB-7	ND	7.27			PCB-57	ND	5.11		
PCB-8	51.5	-			PCB-58	ND	5.20		
PCB-9	ND	7.54			PCB-59	-	-	C042	42
PCB-10	ND	7.43			PCB-60	-	-	C056	56
PCB-11	28.1	-			PCB-61	257	-	C	70
PCB-12	ND	7.76			PCB-62	ND	5.64		
PCB-13	ND	7.89			PCB-63	12.6	-	J	
PCB-14	426	-			PCB-64	-	-	C041	41/71/72
PCB-15	21.6	-			PCB-65	ND	5.43		
PCB-16	38.2	-			PCB-66	212	-	C	76
PCB-17	66.9	-			PCB-67	15.6	-	J	
PCB-18	173	-			PCB-68	16.9	-	J	
PCB-19	22.8	-			PCB-69	-	-	C052	52
PCB-20	81.5	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	51.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.19			PCB-73	21.3	-		
PCB-24	11.9	-	J		PCB-74	102	-		
PCB-25	41.0	-			PCB-75	-	-	C048	48
PCB-26	92.9	-			PCB-76	-	-	C066	66
PCB-27	12.5	-	J		PCB-77	15.7	-	J	
PCB-28	149	-			PCB-78	2890	-		
PCB-29	ND	8.44			PCB-79	ND	6.91		
PCB-30	ND	6.15			PCB-80	ND	4.28		
PCB-31	142	-			PCB-81	11.3	-	J	
PCB-32	38.7	-			PCB-82	55.2	-		
PCB-33	-	-	C020	20/21	PCB-83	35.5	-	C	112
PCB-34	ND	8.63			PCB-84	363	-	C	92
PCB-35	ND	8.42			PCB-85	89.2	-	C	116
PCB-36	733	-			PCB-86	ND	9.20		
PCB-37	32.8	-			PCB-87	193	-	C	117/125
PCB-38	ND	8.52			PCB-88	ND	6.09	C	91
PCB-39	ND	8.16			PCB-89	ND	9.15		
PCB-40	43.9	-			PCB-90	618	-	C	101
PCB-41	215	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	103	-	C	59	PCB-92	-	-	C084	84
PCB-43	392	-	C	49	PCB-93	ND	6.37		
PCB-44	312	-			PCB-94	ND	6.68		
PCB-45	49.2	-			PCB-95	851	-		
PCB-46	22.4	-			PCB-96	ND	4.64		
PCB-47	137	-			PCB-97	182	-		
PCB-48	47.9	-	C	75	PCB-98	ND	6.17	C	102
PCB-49	-	-	C043	43	PCB-99	283	-		
PCB-50	ND	6.79			PCB-100	17.4	-	J	

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-008-SA
Client ID: LDW-Y3-IN-ENR-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	129	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.90		
PCB-103	16.6	-	J		PCB-153	386	-		
PCB-104	2790	-			PCB-154	23.7	-		
PCB-105	115	-			PCB-155	4800	-		
PCB-106	370	-	C	118	PCB-156	28.4	-		
PCB-107	29.6	-	C	108	PCB-157	ND	6.70		
PCB-108	-	-	C107	107	PCB-158	38.1	-	C	160
PCB-109	ND	6.45			PCB-159	ND	6.36		
PCB-110	605	-			PCB-160	-	-	C158	158
PCB-111	ND	6.41	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.80			PCB-163	-	-	C138	138/164
PCB-114	10.2	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.93		
PCB-117	-	-	C087	87/125	PCB-167	11.8	-	J	
PCB-118	-	-	C	106	PCB-168	ND	7.15		
PCB-119	20.8	-			PCB-169	ND	6.15		
PCB-120	ND	5.83			PCB-170	33.3	-		
PCB-121	4000	-			PCB-171	18.3	-	J	
PCB-122	ND	7.89			PCB-172	127	-		
PCB-123	ND	9.13			PCB-173	ND	8.79		
PCB-124	18.2	-	J		PCB-174	57.2	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.80		
PCB-126	ND	8.44			PCB-176	13.4	-	J	
PCB-127	ND	8.64			PCB-177	45.3	-		
PCB-128	62.0	-	C	162	PCB-178	21.9	-		
PCB-129	24.0	-			PCB-179	45.0	-		
PCB-130	30.6	-			PCB-180	112	-		
PCB-131	20.4	-	C	133	PCB-181	ND	7.99		
PCB-132	169	-	C	161	PCB-182	90.1	-	C	187
PCB-133	-	-	C131	131	PCB-183	53.9	-		
PCB-134	41.0	-	C	143	PCB-184	5030	-		
PCB-135	89.6	-			PCB-185	ND	7.70		
PCB-136	96.0	-			PCB-186	ND	5.95		
PCB-137	26.4	-			PCB-187	-	-	C182	182
PCB-138	404	-	C	163/164	PCB-188	ND	6.68		
PCB-139	424	-	C	149	PCB-189	ND	5.25		
PCB-140	ND	8.84			PCB-190	14.3	-	J	
PCB-141	69.0	-			PCB-191	ND	5.73		
PCB-142	832	-			PCB-192	4310	-		
PCB-143	-	-	C134	134	PCB-193	ND	5.89		
PCB-144	24.4	-			PCB-194	18.6	-	J	
PCB-145	ND	6.96			PCB-195	ND	6.97		
PCB-146	80.5	-	C	165	PCB-196	22.0	-	C	203
PCB-147	18.6	-	J		PCB-197	54.1	-		
PCB-148	ND	8.05			PCB-198	ND	9.99		
PCB-149	-	-	C139	139	PCB-199	ND	9.49		
PCB-150	ND	6.80			PCB-200	ND	7.13		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-008-SA
Client ID: LDW-Y3-IN-ENR-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.29		
PCB-202	ND	7.80		
PCB-203	-	-	C196	196
PCB-204	11700	-		
PCB-205	ND	5.29		
PCB-206	ND	7.60		
PCB-207	36.4	-		
PCB-208	ND	5.16		
PCB-209	58.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	81.0	5.00 - 145	
13C-PCB-3	83.9	5.00 - 145	
13C-PCB-4	85.9	5.00 - 145	
13C-PCB-15	94.6	5.00 - 145	
13C-PCB-19	82.7	5.00 - 145	
13C-PCB-37	114	5.00 - 145	
13C-PCB-54	94.3	5.00 - 145	
13C-PCB-77	111	10.0 - 145	
13C-PCB-81	112	10.0 - 145	
13C-PCB-104	74.5	10.0 - 145	
13C-PCB-105	108	10.0 - 145	
13C-PCB-114	114	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	112	10.0 - 145	
13C-PCB-126	110	10.0 - 145	
13C-PCB-155	77.0	10.0 - 145	
13C-PCB-156	96.2	10.0 - 145	
13C-PCB-157	99.4	10.0 - 145	
13C-PCB-167	101	10.0 - 145	
13C-PCB-169	94.2	10.0 - 145	
13C-PCB-188	82.6	10.0 - 145	
13C-PCB-189	74.3	10.0 - 145	
13C-PCB-202	62.7	10.0 - 145	
13C-PCB-205	98.5	10.0 - 145	
13C-PCB-206	91.8	10.0 - 145	
13C-PCB-208	96.8	10.0 - 145	
13C-PCB-209	80.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	89.4	10.0 - 145	
13C-PCB-178	75.3	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-009-SA
Client ID: LDW-Y3-IN-ENR-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 45900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	7.03			PCB-51	27.1	-		
PCB-2	ND	7.41			PCB-52	827	-	C	69
PCB-3	ND	7.71			PCB-53	94.1	-		
PCB-4	42.6	-			PCB-54	ND	7.03		
PCB-5	ND	11.9			PCB-55	57.6	-		
PCB-6	27.0	-			PCB-56	128	-	C	60
PCB-7	ND	11.0			PCB-57	ND	6.78		
PCB-8	52.8	-			PCB-58	ND	6.90		
PCB-9	ND	11.4			PCB-59	-	-	C042	42
PCB-10	ND	11.3			PCB-60	-	-	C056	56
PCB-11	31.4	-			PCB-61	316	-	C	70
PCB-12	ND	11.8			PCB-62	ND	7.48		
PCB-13	ND	12.0			PCB-63	17.8	-	J	
PCB-14	353	-			PCB-64	-	-	C041	41/71/72
PCB-15	27.7	-			PCB-65	ND	7.20		
PCB-16	41.9	-			PCB-66	253	-	C	76
PCB-17	86.8	-			PCB-67	21.1	-		
PCB-18	210	-			PCB-68	19.1	-	J	
PCB-19	33.3	-			PCB-69	-	-	C052	52
PCB-20	107	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	63.7	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.81			PCB-73	25.5	-		
PCB-24	20.0	-			PCB-74	122	-		
PCB-25	57.6	-			PCB-75	-	-	C048	48
PCB-26	120	-			PCB-76	-	-	C066	66
PCB-27	15.2	-	J		PCB-77	ND	9.81		
PCB-28	187	-			PCB-78	2490	-		
PCB-29	ND	9.08			PCB-79	ND	9.57		
PCB-30	ND	10.4			PCB-80	11.6	-	J	
PCB-31	174	-			PCB-81	ND	9.76		
PCB-32	61.1	-			PCB-82	68.6	-		
PCB-33	-	-	C020	20/21	PCB-83	42.8	-	C	112
PCB-34	ND	9.27			PCB-84	403	-	C	92
PCB-35	ND	9.06			PCB-85	108	-	C	116
PCB-36	647	-			PCB-86	ND	16.2		
PCB-37	57.0	-			PCB-87	218	-	C	117/125
PCB-38	ND	9.16			PCB-88	ND	10.8	C	91
PCB-39	ND	8.77			PCB-89	ND	16.1		
PCB-40	57.4	-			PCB-90	708	-	C	101
PCB-41	252	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	129	-	C	59	PCB-92	-	-	C084	84
PCB-43	516	-	C	49	PCB-93	ND	11.3		
PCB-44	419	-			PCB-94	ND	11.8		
PCB-45	72.0	-			PCB-95	991	-		
PCB-46	31.4	-			PCB-96	ND	8.21		
PCB-47	176	-			PCB-97	209	-		
PCB-48	60.3	-	C	75	PCB-98	ND	10.9	C	102
PCB-49	-	-	C043	43	PCB-99	318	-		
PCB-50	ND	9.00			PCB-100	ND	9.85		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-009-SA
Client ID: LDW-Y3-IN-ENR-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	188	-		
PCB-102	-	-	C098	98	PCB-152	ND	11.8		
PCB-103	ND	9.90			PCB-153	427	-		
PCB-104	2650	-			PCB-154	26.6	-		
PCB-105	138	-			PCB-155	4190	-		
PCB-106	408	-	C	118	PCB-156	44.1	-		
PCB-107	46.4	-	C	108	PCB-157	ND	10.7		
PCB-108	-	-	C107	107	PCB-158	55.1	-	C	160
PCB-109	ND	11.4			PCB-159	ND	9.69		
PCB-110	682	-			PCB-160	-	-	C158	158
PCB-111	ND	11.3	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	12.0			PCB-163	-	-	C138	138/164
PCB-114	ND	12.2			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	10.6		
PCB-117	-	-	C087	87/125	PCB-167	23.4	-		
PCB-118	-	-	C	106	PCB-168	ND	10.9		
PCB-119	26.1	-			PCB-169	ND	9.51		
PCB-120	ND	10.3			PCB-170	44.3	-		
PCB-121	3600	-			PCB-171	ND	15.9		
PCB-122	ND	11.6			PCB-172	129	-		
PCB-123	ND	14.1			PCB-173	ND	17.6		
PCB-124	23.0	-			PCB-174	69.8	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	15.7		
PCB-126	ND	13.6			PCB-176	ND	11.5		
PCB-127	ND	12.7			PCB-177	56.9	-		
PCB-128	77.2	-	C	162	PCB-178	ND	16.2		
PCB-129	38.6	-			PCB-179	56.2	-		
PCB-130	33.6	-			PCB-180	122	-		
PCB-131	21.9	-	C	133	PCB-181	ND	16.0		
PCB-132	197	-	C	161	PCB-182	120	-	C	187
PCB-133	-	-	C131	131	PCB-183	73.8	-		
PCB-134	57.0	-	C	143	PCB-184	4980	-		
PCB-135	129	-			PCB-185	ND	15.5		
PCB-136	121	-			PCB-186	ND	11.9		
PCB-137	35.9	-			PCB-187	-	-	C182	182
PCB-138	464	-	C	163/164	PCB-188	ND	12.8		
PCB-139	478	-	C	149	PCB-189	ND	11.2		
PCB-140	ND	13.5			PCB-190	ND	12.3		
PCB-141	82.4	-			PCB-191	ND	11.5		
PCB-142	781	-			PCB-192	3890	-		
PCB-143	-	-	C134	134	PCB-193	ND	11.8		
PCB-144	36.0	-			PCB-194	ND	16.0		
PCB-145	ND	11.9			PCB-195	ND	17.6		
PCB-146	101	-	C	165	PCB-196	ND	15.9	C	203
PCB-147	30.0	-			PCB-197	60.4	-		
PCB-148	ND	13.8			PCB-198	ND	17.9		
PCB-149	-	-	C139	139	PCB-199	ND	17.0		
PCB-150	ND	11.6			PCB-200	ND	12.7		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-009-SA
Client ID: LDW-Y3-IN-ENR-CC-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	13.0		
PCB-202	ND	13.9		
PCB-203	-	-	C196	196
PCB-204	9370	-		
PCB-205	ND	13.4		
PCB-206	ND	15.3		
PCB-207	46.1	-		
PCB-208	ND	9.84		
PCB-209	66.3	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	72.2	5.00 - 145	
13C-PCB-3	75.9	5.00 - 145	
13C-PCB-4	77.4	5.00 - 145	
13C-PCB-15	88.3	5.00 - 145	
13C-PCB-19	71.7	5.00 - 145	
13C-PCB-37	99.7	5.00 - 145	
13C-PCB-54	81.7	5.00 - 145	
13C-PCB-77	106	10.0 - 145	
13C-PCB-81	105	10.0 - 145	
13C-PCB-104	64.7	10.0 - 145	
13C-PCB-105	100	10.0 - 145	
13C-PCB-114	104	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	102	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	65.9	10.0 - 145	
13C-PCB-156	86.0	10.0 - 145	
13C-PCB-157	88.4	10.0 - 145	
13C-PCB-167	89.9	10.0 - 145	
13C-PCB-169	80.0	10.0 - 145	
13C-PCB-188	72.3	10.0 - 145	
13C-PCB-189	65.4	10.0 - 145	
13C-PCB-202	63.0	10.0 - 145	
13C-PCB-205	85.0	10.0 - 145	
13C-PCB-206	70.6	10.0 - 145	
13C-PCB-208	83.6	10.0 - 145	
13C-PCB-209	65.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	87.6	10.0 - 145	
13C-PCB-178	69.2	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-010-SA
Client ID: LDW-Y3-IN-ENR-CD-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 58400

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.04			PCB-51	26.5	-		
PCB-2	ND	5.30			PCB-52	726	-	C	69
PCB-3	ND	5.52			PCB-53	82.2	-		
PCB-4	42.9	-			PCB-54	ND	6.65		
PCB-5	ND	9.47			PCB-55	55.2	-		
PCB-6	21.4	-			PCB-56	124	-	C	60
PCB-7	ND	8.76			PCB-57	9.09	-	J	
PCB-8	47.1	-			PCB-58	ND	6.53		
PCB-9	ND	9.07			PCB-59	-	-	C042	42
PCB-10	ND	8.95			PCB-60	-	-	C056	56
PCB-11	36.3	-			PCB-61	294	-	C	70
PCB-12	ND	9.34			PCB-62	ND	7.08		
PCB-13	ND	9.50			PCB-63	14.2	-	J	
PCB-14	702	-			PCB-64	-	-	C041	41/71/72
PCB-15	23.4	-			PCB-65	ND	6.82		
PCB-16	38.9	-			PCB-66	233	-	C	76
PCB-17	80.6	-			PCB-67	16.5	-	J	
PCB-18	200	-			PCB-68	17.1	-	J	
PCB-19	26.8	-			PCB-69	-	-	C052	52
PCB-20	95.0	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	58.5	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.22			PCB-73	23.0	-		
PCB-24	18.2	-	J		PCB-74	122	-		
PCB-25	56.4	-			PCB-75	-	-	C048	48
PCB-26	109	-			PCB-76	-	-	C066	66
PCB-27	16.4	-	J		PCB-77	14.2	-	J	
PCB-28	193	-			PCB-78	3550	-		
PCB-29	ND	7.44			PCB-79	ND	6.69		
PCB-30	ND	8.64			PCB-80	10.9	-	J	
PCB-31	176	-			PCB-81	11.1	-	J	
PCB-32	51.0	-			PCB-82	50.9	-		
PCB-33	-	-	C020	20/21	PCB-83	37.8	-	C	112
PCB-34	ND	7.60			PCB-84	369	-	C	92
PCB-35	ND	7.42			PCB-85	82.2	-	C	116
PCB-36	1100	-			PCB-86	ND	11.8		
PCB-37	42.8	-			PCB-87	188	-	C	117/125
PCB-38	ND	7.51			PCB-88	ND	6.87	C	91
PCB-39	ND	7.19			PCB-89	ND	11.7		
PCB-40	47.0	-			PCB-90	611	-	C	101
PCB-41	242	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	114	-	C	59	PCB-92	-	-	C084	84
PCB-43	427	-	C	49	PCB-93	ND	7.18		
PCB-44	343	-			PCB-94	ND	7.54		
PCB-45	59.3	-			PCB-95	836	-		
PCB-46	28.1	-			PCB-96	ND	5.23		
PCB-47	158	-			PCB-97	183	-		
PCB-48	57.0	-	C	75	PCB-98	ND	6.96	C	102
PCB-49	-	-	C043	43	PCB-99	285	-		
PCB-50	16.3	-	J		PCB-100	20.2	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-010-SA
Client ID: LDW-Y3-IN-ENR-CD-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	147	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.58		
PCB-103	19.8	-	J		PCB-153	432	-		
PCB-104	3660	-			PCB-154	32.1	-		
PCB-105	119	-			PCB-155	6430	-		
PCB-106	364	-	C	118	PCB-156	25.9	-		
PCB-107	34.4	-	C	108	PCB-157	ND	7.08		
PCB-108	-	-	C107	107	PCB-158	46.0	-	C	160
PCB-109	ND	8.25			PCB-159	ND	6.36		
PCB-110	576	-			PCB-160	-	-	C158	158
PCB-111	ND	8.20	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.70			PCB-163	-	-	C138	138/164
PCB-114	12.5	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.93		
PCB-117	-	-	C087	87/125	PCB-167	15.4	-	J	
PCB-118	-	-	C	106	PCB-168	ND	7.14		
PCB-119	24.3	-			PCB-169	ND	6.63		
PCB-120	ND	7.46			PCB-170	47.4	-		
PCB-121	5110	-			PCB-171	25.3	-		
PCB-122	ND	8.96			PCB-172	163	-		
PCB-123	11.6	-	J		PCB-173	ND	13.0		
PCB-124	23.9	-			PCB-174	69.9	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	11.6		
PCB-126	ND	9.41			PCB-176	ND	8.52		
PCB-127	ND	9.79			PCB-177	56.2	-		
PCB-128	70.6	-	C	162	PCB-178	ND	12.0		
PCB-129	28.4	-			PCB-179	51.4	-		
PCB-130	34.2	-			PCB-180	129	-		
PCB-131	23.4	-	C	133	PCB-181	ND	11.8		
PCB-132	158	-	C	161	PCB-182	101	-	C	187
PCB-133	-	-	C131	131	PCB-183	53.1	-		
PCB-134	39.8	-	C	143	PCB-184	6590	-		
PCB-135	99.1	-			PCB-185	ND	11.4		
PCB-136	104	-			PCB-186	ND	8.81		
PCB-137	22.9	-			PCB-187	-	-	C182	182
PCB-138	396	-	C	163/164	PCB-188	ND	8.98		
PCB-139	415	-	C	149	PCB-189	ND	8.77		
PCB-140	ND	8.84			PCB-190	ND	9.08		
PCB-141	76.1	-			PCB-191	ND	8.49		
PCB-142	1040	-			PCB-192	5560	-		
PCB-143	-	-	C134	134	PCB-193	ND	8.73		
PCB-144	25.0	-			PCB-194	33.7	-		
PCB-145	ND	8.65			PCB-195	ND	15.5		
PCB-146	84.4	-	C	165	PCB-196	28.3	-	C	203
PCB-147	20.8	-			PCB-197	71.3	-		
PCB-148	ND	10.0			PCB-198	ND	16.9		
PCB-149	-	-	C139	139	PCB-199	ND	16.0		
PCB-150	ND	8.46			PCB-200	ND	12.1		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-010-SA
Client ID: LDW-Y3-IN-ENR-CD-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	12.3		
PCB-202	ND	13.2		
PCB-203	-	-	C196	196
PCB-204	13000	-		
PCB-205	ND	11.8		
PCB-206	ND	14.3		
PCB-207	53.7	-		
PCB-208	ND	11.8		
PCB-209	65.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	83.2	5.00 - 145	
13C-PCB-3	82.9	5.00 - 145	
13C-PCB-4	89.2	5.00 - 145	
13C-PCB-15	95.2	5.00 - 145	
13C-PCB-19	82.2	5.00 - 145	
13C-PCB-37	106	5.00 - 145	
13C-PCB-54	93.9	5.00 - 145	
13C-PCB-77	116	10.0 - 145	
13C-PCB-81	117	10.0 - 145	
13C-PCB-104	75.1	10.0 - 145	
13C-PCB-105	112	10.0 - 145	
13C-PCB-114	115	10.0 - 145	
13C-PCB-118	108	10.0 - 145	
13C-PCB-123	116	10.0 - 145	
13C-PCB-126	112	10.0 - 145	
13C-PCB-155	71.7	10.0 - 145	
13C-PCB-156	99.6	10.0 - 145	
13C-PCB-157	99.6	10.0 - 145	
13C-PCB-167	99.2	10.0 - 145	
13C-PCB-169	93.3	10.0 - 145	
13C-PCB-188	83.1	10.0 - 145	
13C-PCB-189	71.5	10.0 - 145	
13C-PCB-202	66.4	10.0 - 145	
13C-PCB-205	96.9	10.0 - 145	
13C-PCB-206	89.3	10.0 - 145	
13C-PCB-208	91.4	10.0 - 145	
13C-PCB-209	75.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	88.3	10.0 - 145	
13C-PCB-178	60.4	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-013-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 69500

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	6.86			PCB-51	86.0	-		
PCB-2	ND	7.42			PCB-52	1140	-	C	69
PCB-3	ND	7.93			PCB-53	233	-		
PCB-4	123	-			PCB-54	ND	8.99		
PCB-5	ND	12.3			PCB-55	66.6	-		
PCB-6	56.4	-			PCB-56	451	-	C	60
PCB-7	ND	11.3			PCB-57	11.6	-	J	
PCB-8	234	-			PCB-58	ND	8.83		
PCB-9	22.8	-			PCB-59	-	-	C042	42
PCB-10	ND	11.6			PCB-60	-	-	C056	56
PCB-11	43.1	-			PCB-61	742	-	C	70
PCB-12	ND	12.1			PCB-62	ND	9.57		
PCB-13	ND	12.3			PCB-63	32.9	-		
PCB-14	673	-			PCB-64	-	-	C041	41/71/72
PCB-15	57.1	-			PCB-65	ND	9.21		
PCB-16	326	-			PCB-66	578	-	C	76
PCB-17	460	-			PCB-67	40.9	-		
PCB-18	980	-			PCB-68	18.9	-	J	
PCB-19	152	-			PCB-69	-	-	C052	52
PCB-20	548	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	252	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	9.84			PCB-73	33.0	-		
PCB-24	59.9	-			PCB-74	326	-		
PCB-25	88.2	-			PCB-75	-	-	C048	48
PCB-26	181	-			PCB-76	-	-	C066	66
PCB-27	45.3	-			PCB-77	38.1	-		
PCB-28	734	-			PCB-78	3420	-		
PCB-29	ND	10.1			PCB-79	12.4	-	J	
PCB-30	ND	13.1			PCB-80	14.1	-	J	
PCB-31	650	-			PCB-81	13.9	-	J	
PCB-32	362	-			PCB-82	80.8	-		
PCB-33	-	-	C020	20/21	PCB-83	43.3	-	C	112
PCB-34	ND	10.4			PCB-84	450	-	C	92
PCB-35	ND	10.1			PCB-85	111	-	C	116
PCB-36	956	-			PCB-86	ND	12.5		
PCB-37	118	-			PCB-87	250	-	C	117/125
PCB-38	ND	10.2			PCB-88	ND	10.1	C	91
PCB-39	ND	9.81			PCB-89	16.1	-	J	
PCB-40	177	-			PCB-90	931	-	C	101
PCB-41	750	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	344	-	C	59	PCB-92	-	-	C084	84
PCB-43	906	-	C	49	PCB-93	ND	10.6		
PCB-44	906	-			PCB-94	13.5	-	J	
PCB-45	237	-			PCB-95	1220	-		
PCB-46	102	-			PCB-96	16.0	-	J	
PCB-47	332	-			PCB-97	230	-		
PCB-48	225	-	C	75	PCB-98	ND	10.3	C	102
PCB-49	-	-	C043	43	PCB-99	429	-		
PCB-50	ND	11.5			PCB-100	48.4	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-013-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	324	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.50		
PCB-103	40.9	-			PCB-153	931	-		
PCB-104	3430	-			PCB-154	78.3	-		
PCB-105	175	-			PCB-155	5190	-		
PCB-106	524	-	C	118	PCB-156	49.2	-		
PCB-107	47.6	-	C	108	PCB-157	16.0	-	J	
PCB-108	-	-	C107	107	PCB-158	71.4	-	C	160
PCB-109	ND	8.76			PCB-159	ND	8.55		
PCB-110	729	-			PCB-160	-	-	C158	158
PCB-111	16.8	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.23			PCB-163	-	-	C138	138/164
PCB-114	17.5	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	9.32		
PCB-117	-	-	C087	87/125	PCB-167	29.0	-		
PCB-118	-	-	C	106	PCB-168	ND	9.61		
PCB-119	33.7	-			PCB-169	ND	9.06		
PCB-120	ND	7.92			PCB-170	125	-		
PCB-121	5090	-			PCB-171	57.0	-		
PCB-122	ND	9.63			PCB-172	170	-		
PCB-123	16.2	-	J		PCB-173	ND	11.3		
PCB-124	35.8	-			PCB-174	170	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	10.0		
PCB-126	ND	10.1			PCB-176	30.4	-		
PCB-127	ND	10.5			PCB-177	152	-		
PCB-128	86.0	-	C	162	PCB-178	62.6	-		
PCB-129	32.8	-			PCB-179	115	-		
PCB-130	43.2	-			PCB-180	367	-		
PCB-131	33.4	-	C	133	PCB-181	ND	10.3		
PCB-132	268	-	C	161	PCB-182	302	-	C	187
PCB-133	-	-	C131	131	PCB-183	127	-		
PCB-134	61.3	-	C	143	PCB-184	6450	-		
PCB-135	156	-			PCB-185	29.9	-		
PCB-136	195	-			PCB-186	ND	7.63		
PCB-137	42.9	-			PCB-187	-	-	C182	182
PCB-138	745	-	C	163/164	PCB-188	ND	8.56		
PCB-139	974	-	C	149	PCB-189	ND	6.74		
PCB-140	ND	11.9			PCB-190	32.6	-		
PCB-141	149	-			PCB-191	ND	7.36		
PCB-142	1020	-			PCB-192	5090	-		
PCB-143	-	-	C134	134	PCB-193	21.5	-		
PCB-144	62.9	-			PCB-194	52.7	-		
PCB-145	ND	8.57			PCB-195	22.3	-		
PCB-146	153	-	C	165	PCB-196	74.1	-	C	203
PCB-147	64.4	-			PCB-197	78.9	-		
PCB-148	ND	9.92			PCB-198	ND	16.8		
PCB-149	-	-	C139	139	PCB-199	63.2	-		
PCB-150	ND	8.38			PCB-200	ND	12.0		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-013-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	12.3		
PCB-202	ND	13.1		
PCB-203	-	-	C196	196
PCB-204	12600	-		
PCB-205	ND	6.31		
PCB-206	ND	16.9		
PCB-207	47.4	-		
PCB-208	ND	9.02		
PCB-209	79.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	73.5	5.00 - 145	
13C-PCB-3	76.6	5.00 - 145	
13C-PCB-4	77.4	5.00 - 145	
13C-PCB-15	87.5	5.00 - 145	
13C-PCB-19	68.6	5.00 - 145	
13C-PCB-37	97.3	5.00 - 145	
13C-PCB-54	88.9	5.00 - 145	
13C-PCB-77	105	10.0 - 145	
13C-PCB-81	96.6	10.0 - 145	
13C-PCB-104	69.8	10.0 - 145	
13C-PCB-105	120	10.0 - 145	
13C-PCB-114	123	10.0 - 145	
13C-PCB-118	117	10.0 - 145	
13C-PCB-123	120	10.0 - 145	
13C-PCB-126	119	10.0 - 145	
13C-PCB-155	77.2	10.0 - 145	
13C-PCB-156	111	10.0 - 145	
13C-PCB-157	108	10.0 - 145	
13C-PCB-167	101	10.0 - 145	
13C-PCB-169	94.0	10.0 - 145	
13C-PCB-188	88.9	10.0 - 145	
13C-PCB-189	78.1	10.0 - 145	
13C-PCB-202	69.8	10.0 - 145	
13C-PCB-205	95.9	10.0 - 145	
13C-PCB-206	80.4	10.0 - 145	
13C-PCB-208	99.5	10.0 - 145	
13C-PCB-209	74.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	100	5.00 - 145	
13C-PCB-111	83.8	10.0 - 145	
13C-PCB-178	88.1	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-014-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010-LONG
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 70900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	14.4	-	J		PCB-51	65.3	-		
PCB-2	ND	6.78			PCB-52	743	-	C	69
PCB-3	ND	7.34			PCB-53	150	-		
PCB-4	66.7	-			PCB-54	ND	7.09		
PCB-5	ND	11.9			PCB-55	58.3	-		
PCB-6	17.9	-	J		PCB-56	264	-	C	60
PCB-7	ND	11.0			PCB-57	ND	6.84		
PCB-8	83.1	-			PCB-58	ND	6.96		
PCB-9	ND	11.4			PCB-59	-	-	C042	42
PCB-10	ND	11.2			PCB-60	-	-	C056	56
PCB-11	60.1	-			PCB-61	447	-	C	70
PCB-12	ND	11.7			PCB-62	ND	7.55		
PCB-13	ND	11.9			PCB-63	21.6	-		
PCB-14	1000	-			PCB-64	-	-	C041	41/71/72
PCB-15	23.3	-			PCB-65	ND	7.26		
PCB-16	114	-			PCB-66	380	-	C	76
PCB-17	171	-			PCB-67	24.8	-		
PCB-18	433	-			PCB-68	13.4	-	J	
PCB-19	59.8	-			PCB-69	-	-	C052	52
PCB-20	213	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	115	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.77			PCB-73	30.9	-		
PCB-24	27.9	-			PCB-74	208	-		
PCB-25	42.4	-			PCB-75	-	-	C048	48
PCB-26	81.9	-			PCB-76	-	-	C066	66
PCB-27	26.6	-			PCB-77	23.9	-		
PCB-28	321	-			PCB-78	4360	-		
PCB-29	ND	9.04			PCB-79	ND	9.87		
PCB-30	ND	9.85			PCB-80	ND	5.72		
PCB-31	263	-			PCB-81	ND	10.1		
PCB-32	138	-			PCB-82	64.2	-		
PCB-33	-	-	C020	20/21	PCB-83	32.7	-	C	112
PCB-34	ND	9.24			PCB-84	369	-	C	92
PCB-35	ND	9.02			PCB-85	84.3	-	C	116
PCB-36	1190	-			PCB-86	ND	11.4		
PCB-37	74.1	-			PCB-87	204	-	C	117/125
PCB-38	ND	9.12			PCB-88	ND	10.5	C	91
PCB-39	ND	8.74			PCB-89	ND	11.3		
PCB-40	108	-			PCB-90	690	-	C	101
PCB-41	465	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	225	-	C	59	PCB-92	-	-	C084	84
PCB-43	562	-	C	49	PCB-93	ND	10.9		
PCB-44	531	-			PCB-94	ND	11.5		
PCB-45	138	-			PCB-95	974	-		
PCB-46	62.1	-			PCB-96	13.5	-	J	
PCB-47	220	-			PCB-97	201	-		
PCB-48	120	-	C	75	PCB-98	ND	10.6	C	102
PCB-49	-	-	C043	43	PCB-99	288	-		
PCB-50	13.3	-	J		PCB-100	25.7	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-014-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010-LONG
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	269	-		
PCB-102	-	-	C098	98	PCB-152	ND	11.8		
PCB-103	28.7	-			PCB-153	700	-		
PCB-104	3350	-			PCB-154	47.1	-		
PCB-105	144	-			PCB-155	6280	-		
PCB-106	399	-	C	118	PCB-156	44.5	-		
PCB-107	34.4	-	C	108	PCB-157	14.3	-	J	
PCB-108	-	-	C107	107	PCB-158	62.2	-	C	160
PCB-109	ND	7.97			PCB-159	16.1	-	J	
PCB-110	581	-			PCB-160	-	-	C158	158
PCB-111	15.4	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.40			PCB-163	-	-	C138	138/164
PCB-114	13.8	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.96		
PCB-117	-	-	C087	87/125	PCB-167	24.3	-		
PCB-118	-	-	C	106	PCB-168	ND	9.24		
PCB-119	21.2	-			PCB-169	ND	8.41		
PCB-120	ND	7.20			PCB-170	109	-		
PCB-121	5460	-			PCB-171	48.4	-		
PCB-122	ND	9.25			PCB-172	207	-		
PCB-123	ND	10.5			PCB-173	ND	11.2		
PCB-124	29.0	-			PCB-174	164	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.95		
PCB-126	ND	10.1			PCB-176	28.5	-		
PCB-127	ND	10.1			PCB-177	96.2	-		
PCB-128	84.1	-	C	162	PCB-178	39.8	-		
PCB-129	36.5	-			PCB-179	89.3	-		
PCB-130	36.1	-			PCB-180	263	-		
PCB-131	22.6	-	C	133	PCB-181	ND	10.2		
PCB-132	218	-	C	161	PCB-182	198	-	C	187
PCB-133	-	-	C131	131	PCB-183	123	-		
PCB-134	56.1	-	C	143	PCB-184	7280	-		
PCB-135	138	-			PCB-185	ND	9.82		
PCB-136	199	-			PCB-186	ND	7.58		
PCB-137	28.3	-			PCB-187	-	-	C182	182
PCB-138	610	-	C	163/164	PCB-188	ND	8.19		
PCB-139	758	-	C	149	PCB-189	ND	7.04		
PCB-140	ND	11.4			PCB-190	28.2	-		
PCB-141	123	-			PCB-191	ND	7.31		
PCB-142	1150	-			PCB-192	6600	-		
PCB-143	-	-	C134	134	PCB-193	20.8	-		
PCB-144	51.5	-			PCB-194	36.9	-		
PCB-145	ND	11.9			PCB-195	21.3	-		
PCB-146	116	-	C	165	PCB-196	67.8	-	C	203
PCB-147	28.1	-			PCB-197	85.1	-		
PCB-148	ND	13.8			PCB-198	ND	16.2		
PCB-149	-	-	C139	139	PCB-199	54.5	-		
PCB-150	ND	11.6			PCB-200	ND	11.6		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-014-SA
Client ID: LDW-Y3-SC-ENR+AC-CA-S010-LONG
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	11.8		
PCB-202	ND	12.6		
PCB-203	-	-	C196	196
PCB-204	17300	-		
PCB-205	ND	10.5		
PCB-206	ND	13.0		
PCB-207	63.7	-		
PCB-208	ND	11.5		
PCB-209	89.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	81.4	5.00 - 145	
13C-PCB-3	76.6	5.00 - 145	
13C-PCB-4	90.0	5.00 - 145	
13C-PCB-15	90.9	5.00 - 145	
13C-PCB-19	77.6	5.00 - 145	
13C-PCB-37	113	5.00 - 145	
13C-PCB-54	92.1	5.00 - 145	
13C-PCB-77	119	10.0 - 145	
13C-PCB-81	114	10.0 - 145	
13C-PCB-104	70.7	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	109	10.0 - 145	
13C-PCB-118	108	10.0 - 145	
13C-PCB-123	110	10.0 - 145	
13C-PCB-126	107	10.0 - 145	
13C-PCB-155	70.0	10.0 - 145	
13C-PCB-156	93.8	10.0 - 145	
13C-PCB-157	94.1	10.0 - 145	
13C-PCB-167	98.0	10.0 - 145	
13C-PCB-169	91.8	10.0 - 145	
13C-PCB-188	79.0	10.0 - 145	
13C-PCB-189	70.0	10.0 - 145	
13C-PCB-202	61.8	10.0 - 145	
13C-PCB-205	94.5	10.0 - 145	
13C-PCB-206	86.7	10.0 - 145	
13C-PCB-208	86.8	10.0 - 145	
13C-PCB-209	77.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	106	5.00 - 145	
13C-PCB-111	97.7	10.0 - 145	
13C-PCB-178	71.8	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020
Total Conc: 68600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	6.25			PCB-51	61.1	-		
PCB-2	ND	6.67			PCB-52	919	-	C	69
PCB-3	ND	7.03			PCB-53	190	-		
PCB-4	49.3	-			PCB-54	ND	9.25		
PCB-5	ND	10.1			PCB-55	64.6	-		
PCB-6	33.5	-			PCB-56	395	-	C	60
PCB-7	ND	9.33			PCB-57	ND	8.93		
PCB-8	136	-			PCB-58	ND	9.08		
PCB-9	ND	9.67			PCB-59	-	-	C042	42
PCB-10	ND	9.53			PCB-60	-	-	C056	56
PCB-11	41.6	-			PCB-61	626	-	C	70
PCB-12	ND	9.95			PCB-62	ND	9.85		
PCB-13	ND	10.1			PCB-63	27.5	-		
PCB-14	760	-			PCB-64	-	-	C041	41/71/72
PCB-15	30.0	-			PCB-65	ND	9.48		
PCB-16	216	-			PCB-66	499	-	C	76
PCB-17	324	-			PCB-67	24.3	-		
PCB-18	780	-			PCB-68	17.2	-	J	
PCB-19	88.2	-			PCB-69	-	-	C052	52
PCB-20	409	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	208	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.60			PCB-73	25.1	-		
PCB-24	40.5	-			PCB-74	272	-		
PCB-25	78.6	-			PCB-75	-	-	C048	48
PCB-26	158	-			PCB-76	-	-	C066	66
PCB-27	36.5	-			PCB-77	36.7	-		
PCB-28	548	-			PCB-78	3400	-		
PCB-29	ND	8.86			PCB-79	ND	8.70		
PCB-30	ND	10.3			PCB-80	12.1	-	J	
PCB-31	510	-			PCB-81	24.9	-		
PCB-32	225	-			PCB-82	85.8	-		
PCB-33	-	-	C020	20/21	PCB-83	40.0	-	C	112
PCB-34	ND	9.06			PCB-84	461	-	C	92
PCB-35	ND	8.84			PCB-85	116	-	C	116
PCB-36	1020	-			PCB-86	ND	13.7		
PCB-37	117	-			PCB-87	268	-	C	117/125
PCB-38	ND	8.95			PCB-88	ND	8.29	C	91
PCB-39	ND	8.57			PCB-89	17.1	-	J	
PCB-40	131	-			PCB-90	902	-	C	101
PCB-41	631	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	288	-	C	59	PCB-92	-	-	C084	84
PCB-43	745	-	C	49	PCB-93	ND	8.66		
PCB-44	690	-			PCB-94	ND	9.09		
PCB-45	179	-			PCB-95	1110	-		
PCB-46	75.4	-			PCB-96	14.2	-	J	
PCB-47	250	-			PCB-97	258	-		
PCB-48	175	-	C	75	PCB-98	ND	8.40	C	102
PCB-49	-	-	C043	43	PCB-99	385	-		
PCB-50	15.6	-	J		PCB-100	22.2	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	273	-		
PCB-102	-	-	C098	98	PCB-152	ND	11.1		
PCB-103	31.8	-			PCB-153	750	-		
PCB-104	3270	-			PCB-154	30.0	-		
PCB-105	188	-			PCB-155	5280	-		
PCB-106	502	-	C	118	PCB-156	50.2	-		
PCB-107	43.8	-	C	108	PCB-157	ND	8.46		
PCB-108	-	-	C107	107	PCB-158	70.8	-	C	160
PCB-109	ND	9.62			PCB-159	14.9	-	J	
PCB-110	756	-			PCB-160	-	-	C158	158
PCB-111	ND	9.56	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	10.1			PCB-163	-	-	C138	138/164
PCB-114	13.6	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.08		
PCB-117	-	-	C087	87/125	PCB-167	22.8	-		
PCB-118	-	-	C	106	PCB-168	ND	8.33		
PCB-119	27.2	-			PCB-169	ND	7.24		
PCB-120	ND	8.70			PCB-170	120	-		
PCB-121	4720	-			PCB-171	44.8	-		
PCB-122	ND	8.26			PCB-172	177	-		
PCB-123	15.7	-	J		PCB-173	ND	12.3		
PCB-124	32.0	-			PCB-174	148	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	10.9		
PCB-126	ND	8.71			PCB-176	36.0	-		
PCB-127	ND	9.03			PCB-177	120	-		
PCB-128	90.1	-	C	162	PCB-178	57.1	-		
PCB-129	39.9	-			PCB-179	110	-		
PCB-130	46.3	-			PCB-180	313	-		
PCB-131	29.7	-	C	133	PCB-181	ND	11.2		
PCB-132	257	-	C	161	PCB-182	255	-	C	187
PCB-133	-	-	C131	131	PCB-183	136	-		
PCB-134	55.0	-	C	143	PCB-184	6850	-		
PCB-135	145	-			PCB-185	ND	10.8		
PCB-136	195	-			PCB-186	ND	8.34		
PCB-137	22.6	-			PCB-187	-	-	C182	182
PCB-138	699	-	C	163/164	PCB-188	ND	9.33		
PCB-139	838	-	C	149	PCB-189	ND	7.38		
PCB-140	ND	10.3			PCB-190	26.7	-		
PCB-141	130	-			PCB-191	ND	8.04		
PCB-142	959	-			PCB-192	5890	-		
PCB-143	-	-	C134	134	PCB-193	ND	8.27		
PCB-144	57.8	-			PCB-194	41.5	-		
PCB-145	ND	11.2			PCB-195	27.4	-		
PCB-146	141	-	C	165	PCB-196	64.4	-	C	203
PCB-147	20.5	-			PCB-197	67.9	-		
PCB-148	ND	13.0			PCB-198	ND	16.0		
PCB-149	-	-	C139	139	PCB-199	60.0	-		
PCB-150	ND	11.0			PCB-200	ND	11.4		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-015-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010
Matrix: Solvent
Batch No: X5481

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-20-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-20-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	11.7		
PCB-202	ND	12.5		
PCB-203	-	-	C196	196
PCB-204	14800	-		
PCB-205	ND	9.81		
PCB-206	ND	12.5		
PCB-207	55.0	-		
PCB-208	ND	9.41		
PCB-209	84.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	68.7	5.00 - 145	
13C-PCB-3	72.5	5.00 - 145	
13C-PCB-4	87.4	5.00 - 145	
13C-PCB-15	84.3	5.00 - 145	
13C-PCB-19	68.5	5.00 - 145	
13C-PCB-37	95.4	5.00 - 145	
13C-PCB-54	95.3	5.00 - 145	
13C-PCB-77	107	10.0 - 145	
13C-PCB-81	108	10.0 - 145	
13C-PCB-104	78.9	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	104	10.0 - 145	
13C-PCB-126	103	10.0 - 145	
13C-PCB-155	84.3	10.0 - 145	
13C-PCB-156	93.4	10.0 - 145	
13C-PCB-157	96.3	10.0 - 145	
13C-PCB-167	97.4	10.0 - 145	
13C-PCB-169	92.3	10.0 - 145	
13C-PCB-188	81.4	10.0 - 145	
13C-PCB-189	70.8	10.0 - 145	
13C-PCB-202	66.4	10.0 - 145	
13C-PCB-205	91.9	10.0 - 145	
13C-PCB-206	93.6	10.0 - 145	
13C-PCB-208	94.8	10.0 - 145	
13C-PCB-209	84.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	94.0	5.00 - 145	
13C-PCB-111	91.2	10.0 - 145	
13C-PCB-178	74.0	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/28/2020

Reviewed By: DPV

Date: 10/28/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020
Total Conc: 72100

Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	7.28		
PCB-2	ND	7.58		
PCB-3	ND	8.03		
PCB-4	30.5	-		
PCB-5	ND	12.5		
PCB-6	26.4	-		
PCB-7	ND	12.1		
PCB-8	101	-		
PCB-9	ND	12.7		
PCB-10	ND	11.8		
PCB-11	60.7	-		
PCB-12	ND	13.1		
PCB-13	ND	12.2		
PCB-14	713	-		
PCB-15	47.7	-		
PCB-16	147	-		
PCB-17	206	-		
PCB-18	471	-		
PCB-19	50.3	-		
PCB-20	305	-	C	21/33
PCB-21	-	-	C020	20/33
PCB-22	175	-		
PCB-23	ND	7.39		
PCB-24	29.4	-		
PCB-25	67.7	-		
PCB-26	112	-		
PCB-27	23.5	-		
PCB-28	454	-		
PCB-29	ND	7.09		
PCB-30	ND	9.16		
PCB-31	478	-		
PCB-32	150	-		
PCB-33	-	-	C020	20/21
PCB-34	ND	7.33		
PCB-35	ND	6.96		
PCB-36	1120	-		
PCB-37	104	-		
PCB-38	ND	6.61		
PCB-39	ND	6.94		
PCB-40	145	-		
PCB-41	553	-	C	64/71/72
PCB-42	261	-	C	59
PCB-43	679	-	C	49
PCB-44	630	-		
PCB-45	167	-		
PCB-46	72.6	-		
PCB-47	266	-		
PCB-48	150	-	C	75
PCB-49	-	-	C043	43
PCB-50	19.3	-	J	
PCB-51	82.6	-		
PCB-52	886	-	C	69
PCB-53	190	-		
PCB-54	ND	9.00		
PCB-55	63.6	-		
PCB-56	306	-	C	60
PCB-57	11.9	-	J	
PCB-58	ND	8.54		
PCB-59	-	-	C042	42
PCB-60	-	-	C056	56
PCB-61	577	-	C	70
PCB-62	ND	8.67		
PCB-63	34.4	-		
PCB-64	-	-	C041	41/71/72
PCB-65	ND	8.59		
PCB-66	489	-	C	76
PCB-67	34.1	-		
PCB-68	20.8	-		
PCB-69	-	-	C052	52
PCB-70	-	-	C061	61
PCB-71	-	-	C041	41/64/72
PCB-72	-	-	C041	41/64/71
PCB-73	26.8	-		
PCB-74	259	-		
PCB-75	-	-	C048	48
PCB-76	-	-	C066	66
PCB-77	41.4	-		
PCB-78	4640	-		
PCB-79	ND	7.31		
PCB-80	17.4	-	J	
PCB-81	15.0	-	J	
PCB-82	85.5	-		
PCB-83	34.8	-	C	112
PCB-84	414	-	C	92
PCB-85	89.4	-	C	116
PCB-86	ND	17.6		
PCB-87	223	-	C	117/125
PCB-88	ND	9.46	C	91
PCB-89	ND	14.6		
PCB-90	797	-	C	101
PCB-91	-	-	C088	88
PCB-92	-	-	C084	84
PCB-93	ND	9.56		
PCB-94	ND	10.0		
PCB-95	923	-		
PCB-96	ND	7.10		
PCB-97	217	-		
PCB-98	ND	10.1	C	102
PCB-99	318	-		
PCB-100	26.3	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	236	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.68		
PCB-103	28.8	-			PCB-153	805	-		
PCB-104	3600	-			PCB-154	38.5	-		
PCB-105	163	-			PCB-155	6740	-		
PCB-106	446	-	C	118	PCB-156	51.0	-		
PCB-107	44.6	-	C	108	PCB-157	18.5	-	J	
PCB-108	-	-	C107	107	PCB-158	64.4	-	C	160
PCB-109	ND	10.6			PCB-159	13.6	-	J	
PCB-110	634	-			PCB-160	-	-	C158	158
PCB-111	15.3	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	301	-			PCB-163	-	-	C138	138/164
PCB-114	ND	7.75			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	10.1		
PCB-117	-	-	C087	87/125	PCB-167	36.1	-		
PCB-118	-	-	C	106	PCB-168	ND	10.3		
PCB-119	18.3	-	J		PCB-169	ND	9.95		
PCB-120	ND	9.81			PCB-170	112	-		
PCB-121	5580	-			PCB-171	46.0	-		
PCB-122	ND	8.21			PCB-172	176	-		
PCB-123	ND	8.33			PCB-173	ND	15.9		
PCB-124	27.1	-			PCB-174	161	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	14.3		
PCB-126	ND	8.04			PCB-176	28.0	-		
PCB-127	ND	8.14			PCB-177	104	-		
PCB-128	85.0	-	C	162	PCB-178	48.1	-		
PCB-129	34.8	-			PCB-179	91.5	-		
PCB-130	49.6	-			PCB-180	260	-		
PCB-131	26.1	-	C	133	PCB-181	ND	14.3		
PCB-132	203	-	C	161	PCB-182	214	-	C	187
PCB-133	-	-	C131	131	PCB-183	116	-		
PCB-134	61.4	-	C	143	PCB-184	8020	-		
PCB-135	122	-			PCB-185	ND	14.5		
PCB-136	169	-			PCB-186	ND	10.8		
PCB-137	26.8	-			PCB-187	-	-	C182	182
PCB-138	661	-	C	163/164	PCB-188	ND	11.7		
PCB-139	792	-	C	149	PCB-189	ND	10.3		
PCB-140	ND	12.7			PCB-190	19.0	-	J	
PCB-141	130	-			PCB-191	ND	11.3		
PCB-142	1220	-			PCB-192	6400	-		
PCB-143	-	-	C134	134	PCB-193	16.6	-	J	
PCB-144	45.9	-			PCB-194	37.3	-		
PCB-145	ND	8.59			PCB-195	20.7	-		
PCB-146	117	-	C	165	PCB-196	40.0	-	C	203
PCB-147	23.8	-			PCB-197	82.7	-		
PCB-148	ND	12.1			PCB-198	ND	12.0		
PCB-149	-	-	C139	139	PCB-199	40.8	-		
PCB-150	ND	8.35			PCB-200	ND	8.69		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-016-SA
Client ID: LDW-Y3-SC-ENR+AC-CB-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	8.90		
PCB-202	ND	9.75		
PCB-203	-	-	C196	196
PCB-204	14700	-		
PCB-205	ND	7.85		
PCB-206	ND	6.15		
PCB-207	62.1	-		
PCB-208	ND	4.50		
PCB-209	73.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	79.8	5.00 - 145	
13C-PCB-3	82.4	5.00 - 145	
13C-PCB-4	84.7	5.00 - 145	
13C-PCB-15	88.9	5.00 - 145	
13C-PCB-19	79.3	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	86.2	5.00 - 145	
13C-PCB-77	98.9	10.0 - 145	
13C-PCB-81	98.1	10.0 - 145	
13C-PCB-104	78.1	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	104	10.0 - 145	
13C-PCB-118	105	10.0 - 145	
13C-PCB-123	108	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	76.1	10.0 - 145	
13C-PCB-156	91.1	10.0 - 145	
13C-PCB-157	91.7	10.0 - 145	
13C-PCB-167	90.6	10.0 - 145	
13C-PCB-169	83.5	10.0 - 145	
13C-PCB-188	78.1	10.0 - 145	
13C-PCB-189	66.8	10.0 - 145	
13C-PCB-202	70.3	10.0 - 145	
13C-PCB-205	94.1	10.0 - 145	
13C-PCB-206	76.9	10.0 - 145	
13C-PCB-208	84.3	10.0 - 145	
13C-PCB-209	68.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	100	5.00 - 145	
13C-PCB-111	83.0	10.0 - 145	
13C-PCB-178	75.3	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/29/20

Reviewed By: DPV

Date: 10/29/20

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020
Total Conc: 66800

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	8.09			PCB-51	105	-		
PCB-2	ND	8.52			PCB-52	1460	-	C	69
PCB-3	ND	9.09			PCB-53	255	-		
PCB-4	84.3	-			PCB-54	ND	11.9		
PCB-5	ND	13.8			PCB-55	67.2	-		
PCB-6	52.9	-			PCB-56	477	-	C	60
PCB-7	19.3	-	J		PCB-57	ND	11.3		
PCB-8	171	-			PCB-58	ND	11.3		
PCB-9	ND	14.0			PCB-59	-	-	C042	42
PCB-10	ND	13.1			PCB-60	-	-	C056	56
PCB-11	65.2	-			PCB-61	950	-	C	70
PCB-12	ND	14.4			PCB-62	ND	11.5		
PCB-13	ND	13.5			PCB-63	55.6	-		
PCB-14	660	-			PCB-64	-	-	C041	41/71/72
PCB-15	55.6	-			PCB-65	ND	11.4		
PCB-16	219	-			PCB-66	760	-	C	76
PCB-17	385	-			PCB-67	53.4	-		
PCB-18	829	-			PCB-68	27.0	-		
PCB-19	92.7	-			PCB-69	-	-	C052	52
PCB-20	461	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	240	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	10.1			PCB-73	31.3	-		
PCB-24	41.0	-			PCB-74	436	-		
PCB-25	89.3	-			PCB-75	-	-	C048	48
PCB-26	155	-			PCB-76	-	-	C066	66
PCB-27	41.3	-			PCB-77	46.2	-		
PCB-28	610	-			PCB-78	3040	-		
PCB-29	ND	9.70			PCB-79	ND	11.0		
PCB-30	ND	12.3			PCB-80	ND	9.95		
PCB-31	730	-			PCB-81	ND	10.9		
PCB-32	311	-			PCB-82	146	-		
PCB-33	-	-	C020	20/21	PCB-83	57.4	-	C	112
PCB-34	ND	10.0			PCB-84	558	-	C	92
PCB-35	ND	9.52			PCB-85	158	-	C	116
PCB-36	866	-			PCB-86	ND	19.2		
PCB-37	127	-			PCB-87	359	-	C	117/125
PCB-38	ND	9.05			PCB-88	ND	15.3	C	91
PCB-39	ND	9.50			PCB-89	ND	16.0		
PCB-40	221	-			PCB-90	1240	-	C	101
PCB-41	931	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	434	-	C	59	PCB-92	-	-	C084	84
PCB-43	1090	-	C	49	PCB-93	ND	15.5		
PCB-44	1050	-			PCB-94	ND	16.2		
PCB-45	307	-			PCB-95	1400	-		
PCB-46	115	-			PCB-96	22.4	-		
PCB-47	460	-			PCB-97	341	-		
PCB-48	257	-	C	75	PCB-98	ND	16.4	C	102
PCB-49	-	-	C043	43	PCB-99	467	-		
PCB-50	19.5	-	J		PCB-100	27.9	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	353	-		
PCB-102	-	-	C098	98	PCB-152	ND	11.5		
PCB-103	32.3	-			PCB-153	980	-		
PCB-104	2760	-			PCB-154	44.8	-		
PCB-105	246	-			PCB-155	4620	-		
PCB-106	679	-	C	118	PCB-156	64.2	-		
PCB-107	61.2	-	C	108	PCB-157	ND	11.7		
PCB-108	-	-	C107	107	PCB-158	80.2	-	C	160
PCB-109	ND	11.6			PCB-159	ND	11.4		
PCB-110	960	-			PCB-160	-	-	C158	158
PCB-111	20.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	12.4			PCB-163	-	-	C138	138/164
PCB-114	ND	10.0			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	12.2		
PCB-117	-	-	C087	87/125	PCB-167	33.8	-		
PCB-118	-	-	C	106	PCB-168	ND	12.5		
PCB-119	38.0	-			PCB-169	ND	12.2		
PCB-120	ND	10.7			PCB-170	133	-		
PCB-121	4240	-			PCB-171	88.9	-		
PCB-122	ND	10.7			PCB-172	187	-		
PCB-123	ND	11.2			PCB-173	ND	13.5		
PCB-124	40.4	-			PCB-174	239	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	12.1		
PCB-126	ND	11.4			PCB-176	38.9	-		
PCB-127	ND	10.6			PCB-177	159	-		
PCB-128	127	-	C	162	PCB-178	82.4	-		
PCB-129	56.5	-			PCB-179	125	-		
PCB-130	57.7	-			PCB-180	327	-		
PCB-131	38.8	-	C	133	PCB-181	ND	12.2		
PCB-132	363	-	C	161	PCB-182	300	-	C	187
PCB-133	-	-	C131	131	PCB-183	156	-		
PCB-134	91.1	-	C	143	PCB-184	5670	-		
PCB-135	173	-			PCB-185	ND	12.3		
PCB-136	253	-			PCB-186	ND	9.19		
PCB-137	43.4	-			PCB-187	-	-	C182	182
PCB-138	905	-	C	163/164	PCB-188	ND	10.0		
PCB-139	1070	-	C	149	PCB-189	ND	8.61		
PCB-140	ND	15.4			PCB-190	45.8	-		
PCB-141	184	-			PCB-191	ND	9.56		
PCB-142	866	-			PCB-192	4770	-		
PCB-143	-	-	C134	134	PCB-193	32.9	-		
PCB-144	75.2	-			PCB-194	66.9	-		
PCB-145	ND	11.4			PCB-195	ND	19.0		
PCB-146	169	-	C	165	PCB-196	78.3	-	C	203
PCB-147	17.8	-	J		PCB-197	67.1	-		
PCB-148	ND	16.0			PCB-198	ND	18.7		
PCB-149	-	-	C139	139	PCB-199	50.9	-		
PCB-150	ND	11.0			PCB-200	ND	13.5		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13371-017-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	13.8		
PCB-202	ND	15.1		
PCB-203	-	-	C196	196
PCB-204	10600	-		
PCB-205	ND	14.1		
PCB-206	ND	19.2		
PCB-207	54.6	-		
PCB-208	ND	13.1		
PCB-209	60.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	77.3	5.00 - 145	
13C-PCB-3	82.5	5.00 - 145	
13C-PCB-4	86.3	5.00 - 145	
13C-PCB-15	88.3	5.00 - 145	
13C-PCB-19	79.0	5.00 - 145	
13C-PCB-37	102	5.00 - 145	
13C-PCB-54	84.1	5.00 - 145	
13C-PCB-77	101	10.0 - 145	
13C-PCB-81	98.6	10.0 - 145	
13C-PCB-104	73.9	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	105	10.0 - 145	
13C-PCB-118	107	10.0 - 145	
13C-PCB-123	108	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	72.3	10.0 - 145	
13C-PCB-156	90.8	10.0 - 145	
13C-PCB-157	92.8	10.0 - 145	
13C-PCB-167	90.6	10.0 - 145	
13C-PCB-169	82.0	10.0 - 145	
13C-PCB-188	74.6	10.0 - 145	
13C-PCB-189	66.1	10.0 - 145	
13C-PCB-202	67.2	10.0 - 145	
13C-PCB-205	93.3	10.0 - 145	
13C-PCB-206	77.6	10.0 - 145	
13C-PCB-208	88.0	10.0 - 145	
13C-PCB-209	69.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	84.9	10.0 - 145	
13C-PCB-178	75.8	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-018-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020
Total Conc: 70500

Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.52		
PCB-2	ND	4.59		
PCB-3	ND	4.75		
PCB-4	93.6	-		
PCB-5	ND	7.61		
PCB-6	62.9	-		
PCB-7	11.2	-	J	
PCB-8	255	-		
PCB-9	17.1	-	J	
PCB-10	ND	7.22		
PCB-11	47.2	-		
PCB-12	ND	7.97		
PCB-13	ND	7.45		
PCB-14	846	-		
PCB-15	70.2	-		
PCB-16	220	-		
PCB-17	396	-		
PCB-18	950	-		
PCB-19	99.6	-		
PCB-20	535	-	C	21/33
PCB-21	-	-	C020	20/33
PCB-22	257	-		
PCB-23	ND	9.54		
PCB-24	43.0	-		
PCB-25	93.6	-		
PCB-26	158	-		
PCB-27	44.1	-		
PCB-28	720	-		
PCB-29	ND	9.15		
PCB-30	ND	8.84		
PCB-31	743	-		
PCB-32	341	-		
PCB-33	-	-	C020	20/21
PCB-34	ND	9.47		
PCB-35	ND	8.98		
PCB-36	1080	-		
PCB-37	128	-		
PCB-38	ND	8.54		
PCB-39	ND	8.97		
PCB-40	146	-		
PCB-41	683	-	C	64/71/72
PCB-42	325	-	C	59
PCB-43	769	-	C	49
PCB-44	757	-		
PCB-45	203	-		
PCB-46	77.6	-		
PCB-47	286	-		
PCB-48	191	-	C	75
PCB-49	-	-	C043	43
PCB-50	16.1	-	J	

Compound	Conc	DL	Qual	Coeluters
PCB-51	89.5	-		
PCB-52	976	-	C	69
PCB-53	222	-		
PCB-54	ND	6.05		
PCB-55	61.3	-		
PCB-56	360	-	C	60
PCB-57	ND	5.70		
PCB-58	ND	5.74		
PCB-59	-	-	C042	42
PCB-60	-	-	C056	56
PCB-61	673	-	C	70
PCB-62	ND	5.83		
PCB-63	34.6	-		
PCB-64	-	-	C041	41/71/72
PCB-65	ND	5.78		
PCB-66	562	-	C	76
PCB-67	30.3	-		
PCB-68	17.5	-	J	
PCB-69	-	-	C052	52
PCB-70	-	-	C061	61
PCB-71	-	-	C041	41/64/72
PCB-72	-	-	C041	41/64/71
PCB-73	37.7	-		
PCB-74	305	-		
PCB-75	-	-	C048	48
PCB-76	-	-	C066	66
PCB-77	42.5	-		
PCB-78	3690	-		
PCB-79	8.75	-	J	
PCB-80	14.2	-	J	
PCB-81	20.1	-		
PCB-82	75.1	-		
PCB-83	33.9	-	C	112
PCB-84	410	-	C	92
PCB-85	102	-	C	116
PCB-86	ND	12.7		
PCB-87	226	-	C	117/125
PCB-88	ND	8.38	C	91
PCB-89	14.3	-	J	
PCB-90	788	-	C	101
PCB-91	-	-	C088	88
PCB-92	-	-	C084	84
PCB-93	ND	8.46		
PCB-94	ND	8.86		
PCB-95	910	-		
PCB-96	14.9	-	J	
PCB-97	207	-		
PCB-98	ND	8.94	C	102
PCB-99	314	-		
PCB-100	23.4	-		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-018-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	222	-		
PCB-102	-	-	C098	98	PCB-152	ND	9.44		
PCB-103	26.6	-			PCB-153	713	-		
PCB-104	3510	-			PCB-154	52.4	-		
PCB-105	152	-			PCB-155	6690	-		
PCB-106	434	-	C	118	PCB-156	40.9	-		
PCB-107	33.6	-	C	108	PCB-157	10.6	-	J	
PCB-108	-	-	C107	107	PCB-158	53.2	-	C	160
PCB-109	ND	7.66			PCB-159	13.9	-	J	
PCB-110	642	-			PCB-160	-	-	C158	158
PCB-111	15.4	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.16			PCB-163	-	-	C138	138/164
PCB-114	13.3	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.54		
PCB-117	-	-	C087	87/125	PCB-167	19.7	-	J	
PCB-118	-	-	C	106	PCB-168	ND	7.73		
PCB-119	21.7	-			PCB-169	ND	7.35		
PCB-120	ND	7.06			PCB-170	104	-		
PCB-121	5320	-			PCB-171	52.5	-		
PCB-122	ND	6.51			PCB-172	200	-		
PCB-123	10.1	-	J		PCB-173	ND	10.5		
PCB-124	21.8	-			PCB-174	135	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.43		
PCB-126	ND	6.92			PCB-176	26.4	-		
PCB-127	ND	6.45			PCB-177	95.6	-		
PCB-128	78.0	-	C	162	PCB-178	42.4	-		
PCB-129	29.9	-			PCB-179	85.1	-		
PCB-130	42.1	-			PCB-180	268	-		
PCB-131	27.5	-	C	133	PCB-181	ND	9.45		
PCB-132	202	-	C	161	PCB-182	190	-	C	187
PCB-133	-	-	C131	131	PCB-183	113	-		
PCB-134	48.5	-	C	143	PCB-184	6740	-		
PCB-135	101	-			PCB-185	23.9	-		
PCB-136	177	-			PCB-186	ND	7.14		
PCB-137	24.7	-			PCB-187	-	-	C182	182
PCB-138	559	-	C	163/164	PCB-188	ND	8.38		
PCB-139	688	-	C	149	PCB-189	ND	6.18		
PCB-140	11.6	-	J		PCB-190	23.9	-		
PCB-141	106	-			PCB-191	ND	7.43		
PCB-142	995	-			PCB-192	5690	-		
PCB-143	-	-	C134	134	PCB-193	16.9	-	J	
PCB-144	54.3	-			PCB-194	38.8	-		
PCB-145	ND	9.35			PCB-195	15.5	-	J	
PCB-146	111	-	C	165	PCB-196	56.1	-	C	203
PCB-147	18.3	-	J		PCB-197	71.7	-		
PCB-148	ND	13.2			PCB-198	ND	10.1		
PCB-149	-	-	C139	139	PCB-199	52.2	-		
PCB-150	ND	9.09			PCB-200	ND	7.33		

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 1668
PCBs

FAL ID: 13371-018-SA
Client ID: LDW-Y3-SC-ENR+AC-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.51		
PCB-202	ND	8.23		
PCB-203	-	-	C196	196
PCB-204	14100	-		
PCB-205	ND	6.42		
PCB-206	ND	11.1		
PCB-207	59.5	-		
PCB-208	ND	8.20		
PCB-209	77.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	82.5	5.00 - 145	
13C-PCB-3	87.2	5.00 - 145	
13C-PCB-4	93.6	5.00 - 145	
13C-PCB-15	96.3	5.00 - 145	
13C-PCB-19	87.1	5.00 - 145	
13C-PCB-37	99.6	5.00 - 145	
13C-PCB-54	89.3	5.00 - 145	
13C-PCB-77	99.3	10.0 - 145	
13C-PCB-81	96.1	10.0 - 145	
13C-PCB-104	75.5	10.0 - 145	
13C-PCB-105	96.3	10.0 - 145	
13C-PCB-114	96.5	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	103	10.0 - 145	
13C-PCB-126	91.5	10.0 - 145	
13C-PCB-155	65.7	10.0 - 145	
13C-PCB-156	96.7	10.0 - 145	
13C-PCB-157	96.4	10.0 - 145	
13C-PCB-167	95.8	10.0 - 145	
13C-PCB-169	95.1	10.0 - 145	
13C-PCB-188	82.4	10.0 - 145	
13C-PCB-189	86.6	10.0 - 145	
13C-PCB-202	76.4	10.0 - 145	
13C-PCB-205	96.7	10.0 - 145	
13C-PCB-206	89.8	10.0 - 145	
13C-PCB-208	88.6	10.0 - 145	
13C-PCB-209	84.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	95.2	5.00 - 145	
13C-PCB-111	82.0	10.0 - 145	
13C-PCB-178	73.8	10.0 - 145	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Coelution
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: [signature]

Date: 10/29/20

Reviewed By: DPV

Date: 10/29/20

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

CHAIN OF CUSTODY

EcoAnalysts
LIFE IN WATER

13371
gpc

EcoAnalysts, Inc.
4770 NE View Dr., Port Gamble, WA. 98364
Tel: (360) 297-6040

Destination: Frontier Analytical Lab	Sample Originator (Organization): EcoAnalysts & Geosyntec	Report Results To: Geosyntec	Phone: 714-465-1226 or 949-228-6013
Destination Contact: Brad Silverbush	PERSON WHO COLLECTED SAMPLE: Jason Conder	Contact Name: Jason Conder	Fax: --
Date: 9/30/20	Address: 4770 NE View Dr. Port Gamble WA 98364	Lab Address: --	Email: jconder@geosyntec.com
Turn-Around-Time: Standard			
Project Name: LDW ENR/AC Pilot Study	Phone: 714-465-1226 or 949-228-6013	Analyses:	Invoicing To: Wood (attn: Diane Shannon and Cliff Whimus)
	Fax: --		Comments or Special Instructions: Please contact Jason Conder with analysis instructions
Contract/PO:	E-mail: jconder@geosyntec.com		

No.	Sample ID	Matrix	Volume & Type of Container	Date & Time		PCBs						Preservation	Sample Temp Upon Receipt	LAB ID
1	LDW-Y3-EXTRA -S010-TB	SPME fibers + hexane	1 Vial	9/29/2020	1522	X						4°C		
2	LDW-Y3-IN-ENR+AC-CA-S010	SPME fibers + hexane	1 Vial	9/29/2020	953	X						4°C		
3	LDW-Y3-IN-ENR+AC-CB-S010	SPME fibers + hexane	1 Vial	9/29/2020	1006	X						4°C		
4	LDW-Y3-IN-ENR+AC-CC-S010	SPME fibers + hexane	1 Vial	9/29/2020	1015	X						4°C		
5	LDW-Y3-IN-ENR+AC-CD-S010	SPME fibers + hexane	1 Vial	9/29/2020	1024	X						4°C		
6	LDW-Y3-IN-ENR+AC-CE-S010	SPME fibers + hexane	1 Vial	9/29/2020	1029	X						4°C		
7	LDW-Y3-IN-ENR-CA-S010	SPME fibers + hexane	1 Vial	9/29/2020	1041	X						4°C		
8	LDW-Y3-IN-ENR-CB-S010	SPME fibers + hexane	1 Vial	9/29/2020	1050	X						4°C		
9	LDW-Y3-IN-ENR-CC-S010	SPME fibers + hexane	1 Vial	9/29/2020	1101	X						4°C		
10	LDW-Y3-IN-ENR-CD-S010	SPME fibers + hexane	1 Vial	9/29/2020	1113	X						4°C		
11	LDW-Y3-IN-ENR-CE-S010	SPME fibers + hexane	1 Vial	9/29/2020	1121	X						4°C		
12	LDW-Y3-IN-S010-TB	SPME fibers + hexane	1 Vial	9/28/2020	1515	X						4°C		
13	LDW-Y3-SC-ENR+AC-CA-S010	SPME fibers + hexane	1 Vial	9/29/2020	1342	X						4°C		
14	LDW-Y3-SC-ENR+AC-CA-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1544	X						4°C		
15	LDW-Y3-SC-ENR+AC-CB-S010	SPME fibers + hexane	1 Vial	9/29/2020	1351	X						4°C		
16	LDW-Y3-SC-ENR+AC-CB-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1554	X						4°C		
17	LDW-Y3-SC-ENR+AC-CC-S010	SPME fibers + hexane	1 Vial	9/29/2020	1359	X						4°C		
18	LDW-Y3-SC-ENR+AC-CC-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1602	X						4°C		
19	LDW-Y3-SC-ENR+AC-CD-S010	SPME fibers + hexane	1 Vial	9/29/2020	1407	X						4°C		
20	LDW-Y3-SC-ENR+AC-CD-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1612	X						4°C		

Relinquished by:	Received by:	Relinquished by:	Received by:	Matrix Codes
Print Name: Michelle Knowlen	Print Name: Kathy Zipp	Print Name:	Print Name:	FW = Fresh Water
Signature: M. Knowlen	Signature: Kathy Zipp	Signature:	Signature:	SB = Salt & Brackish Water
Affiliation: EcoAnalysts	Affiliation: Frontier Analytical	Affiliation:	Affiliation:	SS = Soil & Sediment
Date/Time: 9/30/20 1230	Date/Time: 10/01/2020 1010	Date/Time:	Date/Time:	

Gretchen to Kathy → log in under Floyd Snider

Subject: FW: KC ENR-AC Pilot Study SPME compositing plan
From: "Brad Silverbush" <brads@frontieranalytical.com>
Date: 10/29/2020, 8:20 AM
To: "Dan Vickers" <danv@frontieranalytical.com>

Bradley B. Silverbush
Director of Operations
Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
916-934-0900
brads@frontieranalytical.com
www.frontieranalytical.com

ANALYTICAL LABORATORY
The materials transmitted by this electronic mail are confidential, are only for the use of the intended recipient, and may also be subject to applicable privileges. Any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify the sender. Please also remove this message from your hard drive, diskette, and any other storage device.

From: Gretchen Heavner [mailto:Gretchen.Heavner@floydsnider.com]
Sent: Thursday, October 08, 2020 8:50 AM
To: Brad Silverbush; Kathy Zipp
Subject: KC ENR-AC Pilot Study SPME compositing plan

Hello,
Attached is the composting plan for the Y3 SPMEs. Let me know if you have any questions! This is for SDGs 13371, 13372 and 13373.

Gretchen Heavner, Ph.D.
FLOYD | SNIDER
601 Union Street, Suite 600 | Seattle, WA 98101
tel: 206.292.2078 | fax: 206.682.7867
Gretchen.Heavner@floydsnider.com | www.floydsnider.com

Virus-free. www.avg.com

Attachments:

Y3 SPME analysis plan (093020 jmc).xlsx	45.4 KB

Sample ID	Plot	Subplot	Composite	SPME Type	Analyze in First Round? (Primary Sample)	Note
LDW-Y3-SC-ENR+AC-CA-S010	Scour	ENR-AC	A	Std	Y	
LDW-Y3-SC-ENR+AC-CB-S010	Scour	ENR-AC	B	Std	Y	
LDW-Y3-SC-ENR+AC-CC-S010	Scour	ENR-AC	C	Std	Y	
LDW-Y3-SC-ENR+AC-CD-S010	Scour	ENR-AC	D	Std		
LDW-Y3-SC-ENR+AC-CE-S010	Scour	ENR-AC	E	Std		
LDW-Y3-SC-ENR+AC-CA-S010-LONG	Scour	ENR-AC	A	LONG	Y	
LDW-Y3-SC-ENR+AC-CB-S010-LONG	Scour	ENR-AC	B	LONG	Y	
LDW-Y3-SC-ENR+AC-CC-S010-LONG	Scour	ENR-AC	C	LONG	Y	
LDW-Y3-SC-ENR+AC-CD-S010-LONG	Scour	ENR-AC	D	LONG		
LDW-Y3-SC-ENR+AC-CE-S010-LONG	Scour	ENR-AC	E	LONG		
LDW-Y3-SC-ENR+AC-S010-DEP	Scour	ENR-AC	Silt	Std	Y	
LDW-Y3-SC-ENR-CA-S010	Scour	ENR	A	Std	Y	
LDW-Y3-SC-ENR-CB-S010	Scour	ENR	B	Std		
LDW-Y3-SC-ENR-CC-S010	Scour	ENR	C	Std	Y	
LDW-Y3-SC-ENR-CD-S010	Scour	ENR	D	Std	Y	
LDW-Y3-SC-ENR-CE-S010	Scour	ENR	E	Std		
LDW-Y3-SC-ENR-CA-S010-LONG	Scour	ENR	A	LONG	Y	
LDW-Y3-SC-ENR-CB-S010-LONG	Scour	ENR	B	LONG		
LDW-Y3-SC-ENR-CC-S010-LONG	Scour	ENR	C	LONG	Y	
LDW-Y3-SC-ENR-CD-S010-LONG	Scour	ENR	D	LONG	Y	
LDW-Y3-SC-ENR-CE-S010-LONG	Scour	ENR	E	LONG		
LDW-Y3-SC-ENR-S010-DEP	Scour	ENR	Silt	Std	Y	
LDW-Y3-SU-ENR+AC-CA-S010	Scour	ENR-AC	A	Std	Y	
LDW-Y3-SU-ENR+AC-CB-S010	Subtidal	ENR-AC	B	Std		B sample only had 5 SPMEs, so use D instead
LDW-Y3-SU-ENR+AC-CC-S010	Subtidal	ENR-AC	C	Std	Y	
LDW-Y3-SU-ENR+AC-CD-S010	Subtidal	ENR-AC	D	Std	Y	
LDW-Y3-SU-ENR+AC-CE-S010	Subtidal	ENR-AC	E	Std		
LDW-Y3-SU-ENR+AC-CA-S010-BIO	Subtidal bioaccum	ENR-AC	A	Std	Y	
LDW-Y3-SU-ENR+AC-CB-S010-BIO	Subtidal bioaccum	ENR-AC	B	Std	Y	
LDW-Y3-SU-ENR+AC-CC-S010-BIO	Subtidal bioaccum	ENR-AC	C	Std	Y	
LDW-Y3-SU-ENR-CA-S010	Subtidal	ENR	A	Std	Y	
LDW-Y3-SU-ENR-CB-S010	Subtidal	ENR	B	Std	Y	
LDW-Y3-SU-ENR-CC-S010	Subtidal	ENR	C	Std	Y	
LDW-Y3-SU-ENR-CD-S010	Subtidal	ENR	D	Std		
LDW-Y3-SU-ENR-CE-S010	Subtidal	ENR	E	Std		
LDW-Y3-SU-ENR-CA-S010-BIO	Subtidal bioaccum	ENR	A	Std	Y	
LDW-Y3-SU-ENR-CB-S010-BIO	Subtidal bioaccum	ENR	B	Std	Y	
LDW-Y3-SU-ENR-CC-S010-BIO	Subtidal bioaccum	ENR	C	Std	Y	
LDW-Y3-SU-S010-LCB	Subtidal	Overlying water	Water	Std	Y	
LDW-Y3-LBS-WAT-S010-SPME	Subtidal bioaccum	Overlying water	Water	Std	Y	
LDW-Y3-IN-ENR+AC-CA-S010	Intertidal	ENR-AC	A	Std	Y	
LDW-Y3-IN-ENR+AC-CB-S010	Intertidal	ENR-AC	B	Std	Y	
LDW-Y3-IN-ENR+AC-CC-S010	Intertidal	ENR-AC	C	Std	Y	
LDW-Y3-IN-ENR+AC-CD-S010	Intertidal	ENR-AC	D	Std		
LDW-Y3-IN-ENR+AC-CE-S010	Intertidal	ENR-AC	E	Std		
LDW-Y3-IN-ENR-CA-S010	Intertidal	ENR	A	Std		
LDW-Y3-IN-ENR-CB-S010	Intertidal	ENR	B	Std	Y	
LDW-Y3-IN-ENR-CC-S010	Intertidal	ENR	C	Std	Y	
LDW-Y3-IN-ENR-CD-S010	Intertidal	ENR	D	Std	Y	
LDW-Y3-IN-ENR-CE-S010	Intertidal	ENR	E	Std		
LDW-Y3-EXTRA -S010-TB	Extra	Extra	TB	Std	Y	
LDW-Y3-SC-S010-TB	Scour	TB	TB	Std	Y	
LDW-Y3-SU-S010-TB	Subtidal	TB	TB	Std	Y	
LDW-Y3-IN-S010-TB	Intertidal	TB	TB	Std	Y	

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13371**

Client:	Floyd | Snider
Client Project ID:	LDW ENR/AC Pilot Study
Date Received:	10/01/2020
Time Received:	10:10 am
Received By:	KZ
Logged In By:	RR
# of Samples Received:	20
Duplicates:	0
Storage Location:	R-3

Method of Delivery:	Fed-Ex
Tracking Number:	771673396443
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Blue Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13371	Sample #:	~~1-20~~ 1-15 KC 10-13-20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/28/2021
Matrix:	Solvent	Extraction Batch:	5481	Due Date:	10/23/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13371

Extract/s located in box: "Wind Mill"

Standards: 13371

Instrument:

DB5MS	
007-225	
DB1MS	FAL-4
Other	

Extract + Hold 5, 6, 7, 11, 12

Analyze: 13371 - 1, 2, 3, 4, 8, 9, 10, 13, 14, 15

Frontier Analytical Laboratory

EXTRACTION SHEET

Project #: 13371 Extraction Date: 2020-10-13 Extraction Chemist: KC

Method/Analysis: EPA 1668 PCB

Procedure: Solvent Dilution Solvent: Hexane

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 5 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 200507A Vial: 2 Chemist/Witness/Date
05481-001-0001-MB	(5.00mL)	NA	KC 10-13-20	NA	KC 10-13-20
05481-001-0001-OPR	(5.00mL)			KC 10-13-20	
13371-001-0001-SA	5.70mL			NA	
13371-002-0001-SA	5.70mL				
13371-003-0001-SA	5.80mL				
13371-004-0001-SA	5.70mL				
13371-005-0001-SA	5.90mL				
13371-006-0001-SA	5.80mL				
13371-007-0001-SA	5.90mL				
13371-008-0001-SA	5.80mL				
13371-009-0001-SA	5.80mL				
13371-010-0001-SA	5.60mL				
13371-011-0001-SA	5.80mL				
13371-012-0001-SA	5.70mL				
13371-013-0001-SA	4.70mL				
13371-014-0001-SA	5.50mL				
13371-015-0001-SA	5.60mL				

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	184485
Water	200375	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

- MB and OPR blank matrix = 5.00mL Hexane.
- Sample volumes are approximate, measured using a 5mL pipette.

KC 10-13-20

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13371

Method/Analysis: EPA 1668 PCB

Splits: 0 Split Date: N/A Final Volume: 100uL

Sample ID	Cleanup 1 PCB-MSG Chemist/Date	Cleanup 2 NA Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 200707A Vial: 1 Chemist/Witness/Date
05481-001-0001-MB	KC 10-13-20	NA	NA	KC RR 10-13-20
05481-001-0001-OPR				
13371-001-0001-SA				
13371-002-0001-SA				
13371-003-0001-SA				
13371-004-0001-SA				
13371-005-0001-SA				
13371-006-0001-SA				
13371-007-0001-SA				
13371-008-0001-SA				
13371-009-0001-SA				
13371-010-0001-SA				
13371-011-0001-SA				
13371-012-0001-SA				
13371-013-0001-SA				
13371-014-0001-SA				
13371-015-0001-SA				

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	184485
Water	200375	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13371	Sample #:	~~1-20~~ 16-20 KC 10-13-20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/28/2021
Matrix:	Solvent	Extraction Batch:	5483	Due Date:	10/23/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13371-16

Extract/s located in box: Windmill

Standards: 13371

Instrument:	
DB5MS	
007-225	
DB1MS	FAC-4
Other	

Extract & HOLD 13371 - 19,20

Analyze 13371 - 16,17,18

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13371 Extraction Date: 2020-10-13 Extraction Chemist: RR

Method/Analysis: EPA 1668 PCB

Procedure: Solvent Dilution Solvent: Hexane

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 5 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 200507A Vial: 2 Chemist/Witness/Date
05483-001-0001-MB	5.00mL	NA	RR 10.13.20	NA	RR 10.13.20
05483-001-0001-OPR	5.00mL			RR 10.13.20	
13371-016-0001-SA	5.25mL			NA	
13371-017-0001-SA	5.30mL				
13371-018-0001-SA	5.39mL				
13371-019-0001-SA	5.70mL				
13371-020-0001-SA	5.4mL				

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	184485
Water	200375	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13371

Method/Analysis: EPA 1668 PCB

Splits: 0 Split Date: N/A Final Volume: 100uL

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	PCB·MSG	NA	NA	Amt: 10.0uL ID: 200707A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05483-001-0001-MB	RR 10·14·20	NA	NA	RR 10·14·20
05483-001-0001-OPR				
13371-016-0001-SA				
13371-017-0001-SA				
13371-018-0001-SA				
13371-019-0001-SA				
13371-020-0001-SA				

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	184485
Water	200375	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

FAL ID: 05481-001-0001-MB Filename: 20OCT20Z Sam:3 Acquired: 20-OCT-20 10:37:49 ICal: DAILY209FAL4-10-20-20
Client ID: Method Blank ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.32	*		1540	1270	4.92			
13C-PCB-1	3.18e+07	3.25	y	14:30	0.87	8000					80.0	8.25e+06	2.54e+06
PCB-2	*	*	n	NotFnd	1.31	*		1540	1270	5.21			
PCB-3	*	*	n	NotFnd	1.32	*		1540	1270	5.45			
13C-PCB-3	3.12e+07	3.23	y	16:55	0.82	8260					82.6	7.50e+06	2.30e+06
PCB-4	*	*	n	NotFnd	1.06	*		756	3210	12.2			
PCB-10	*	*	n	NotFnd	1.30	*		756	3210	8.19			
13C-PCB-4	2.51e+07	1.59	y	18:09	0.65	8380					83.8	4.73e+06	2.95e+06
PCB-9	*	*	n	NotFnd	1.28	*		756	3210	8.30			
PCB-7	*	*	n	NotFnd	1.33	*		756	3210	8.01			
PCB-6	*	*	n	NotFnd	1.42	*		756	3210	7.51			
PCB-8	*	*	n	NotFnd	1.27	*		756	3210	8.39			
PCB-5	*	*	n	NotFnd	1.23	*		756	3210	8.66			
PCB-14	*	*	n	NotFnd	1.28	*		756	3210	8.33			
PCB-11	*	*	n	NotFnd	1.23	*		756	3210	8.64			
PCB-13	*	*	n	NotFnd	1.22	*		756	3210	8.69			
PCB-12	*	*	n	NotFnd	1.25	*		756	3210	8.54			
PCB-15	*	*	n	NotFnd	1.12	*		756	3210	8.21			
13C-PCB-15	4.03e+07	1.65	y	23:40	1.02	8640					86.4	6.70e+06	4.04e+06
PCB-19	*	*	n	NotFnd	1.27	*		984	564	6.98			
PCB-30	*	*	n	NotFnd	1.90	*		984	564	4.67			
PCB-18	*	*	n	NotFnd	1.28	*		984	564	6.92			
PCB-17	*	*	n	NotFnd	1.42	*		984	564	6.25			
PCB-27	*	*	n	NotFnd	1.89	*		984	564	4.69			
PCB-24	*	*	n	NotFnd	1.83	*		984	564	4.85			
PCB-16	*	*	n	NotFnd	1.61	*		984	564	5.51			
PCB-32	*	*	n	NotFnd	1.67	*		984	564	5.33			
13C-PCB-19	1.58e+07	1.11	y	22:02	0.42	8240					82.4	2.28e+06	2.08e+06
13C-PCB-9	4.59e+07	1.62	y	19:49	-	62.8							
PCB-34	*	*	n	NotFnd	1.07	*		987	1140	5.92			
PCB-23	*	*	n	NotFnd	1.13	*		987	1140	5.63			
PCB-29	*	*	n	NotFnd	1.09	*		987	1140	5.80			
PCB-26	*	*	n	NotFnd	1.07	*		987	1140	5.94			
PCB-25	*	*	n	NotFnd	1.06	*		987	1140	5.99			
PCB-31	*	*	n	NotFnd	1.32	*		987	1140	4.81			
PCB-28	*	*	n	NotFnd	1.32	*		987	1140	4.81			
PCB-20	*	*	n	NotFnd	1.08	*		987	1140	5.87		Co-elute PCB 21/33	
PCB-21	*	*	n	NotFnd	1.08	*		987	1140	5.87		Co-elute PCB 20/33	
PCB-33	*	*	n	NotFnd	1.08	*		987	1140	5.87		Co-elute PCB 20/21	
PCB-22	*	*	n	NotFnd	1.20	*		987	1140	5.28			
PCB-36	*	*	n	NotFnd	1.13	*		987	1140	5.60			
PCB-39	*	*	n	NotFnd	1.13	*		987	1140	5.61			
PCB-38	*	*	n	NotFnd	1.08	*		987	1140	5.85			
PCB-35	*	*	n	NotFnd	1.10	*		987	1140	5.78			
PCB-37	*	*	n	NotFnd	1.14	*		987	1140	5.58			
13C-PCB-37	3.58e+07	1.11	y	30:18	1.64	10100					101	4.36e+06	4.01e+06

PCB-54	*	*	n	NotFnd	1.36	*	848	981	5.96			
PCB-50	*	*	n	NotFnd	1.06	*	848	981	7.63			
PCB-53	*	*	n	NotFnd	1.04	*	848	981	7.82			
PCB-51	*	*	n	NotFnd	1.10	*	848	981	7.40			
PCB-45	*	*	n	NotFnd	0.92	*	848	981	8.85			
PCB-46	*	*	n	NotFnd	0.88	*	848	981	9.17			
PCB-52	*	*	n	NotFnd	1.15	*	848	981	7.07	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.15	*	848	981	7.07	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.32	*	848	981	6.15			
PCB-43	*	*	n	NotFnd	0.99	*	848	981	8.16	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	0.99	*	848	981	8.16	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.01	*	848	981	8.04			
PCB-48	*	*	n	NotFnd	1.31	*	848	981	6.17	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.31	*	848	981	6.17	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*	848	981	6.11			
PCB-62	*	*	n	NotFnd	1.28	*	848	981	6.34			
PCB-44	*	*	n	NotFnd	0.87	*	848	981	9.35			
PCB-42	*	*	n	NotFnd	1.14	*	848	981	7.13	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.14	*	848	981	7.13	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.28	*	848	981	6.32	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.28	*	848	981	6.32	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.28	*	848	981	6.32	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.28	*	848	981	6.32	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.49	*	848	981	5.46			
PCB-40	*	*	n	NotFnd	0.81	*	848	981	9.99			
PCB-57	*	*	n	NotFnd	1.41	*	848	981	5.75			
PCB-67	*	*	n	NotFnd	1.42	*	848	981	5.70			
PCB-58	*	*	n	NotFnd	1.39	*	848	981	5.85			
PCB-63	*	*	n	NotFnd	1.40	*	848	981	5.81			
PCB-74	*	*	n	NotFnd	1.42	*	848	981	5.71			
PCB-61	*	*	n	NotFnd	1.28	*	848	981	6.34	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.28	*	848	981	6.34	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.49	*	848	981	5.46	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.49	*	848	981	5.46	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.69	*	848	981	4.81			
PCB-55	*	*	n	NotFnd	1.49	*	848	981	5.44			
13C-PCB-54	2.13e+07	0.82	y	25:34	1.13	8760				87.6	2.55e+06	3.08e+06
PCB-104	*	*	n	NotFnd	1.18	*	532	536	6.13			
PCB-96	*	*	n	NotFnd	1.15	*	532	536	6.29			
PCB-103	*	*	n	NotFnd	0.95	*	532	536	7.58			
PCB-100	*	*	n	NotFnd	0.96	*	532	536	7.54			
PCB-94	*	*	n	NotFnd	0.79	*	532	536	9.06			
PCB-98	*	*	n	NotFnd	0.86	*	532	536	8.37	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	532	536	8.37	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.83	*	532	536	8.64			
PCB-93	*	*	n	NotFnd	0.83	*	532	536	8.64			
PCB-88	*	*	n	NotFnd	0.87	*	532	536	8.27	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*	532	536	8.27	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.18	*	532	536	6.10			
13C-PCB-104	1.48e+07	1.63	y	30:00	0.90	7620				76.2	2.31e+06	1.40e+06
13C-PCB-28	4.23e+07	1.04	y	26:39	1.90	10300				103	5.18e+06	4.82e+06
13C-PCB-52	2.16e+07	0.81	y	28:54	-	54.3						

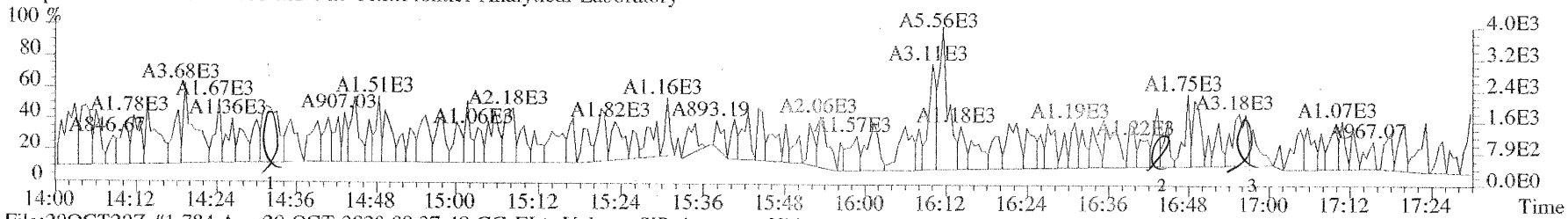
PCB-56	*	*	n	NotFnd	1.10	*	840	1050	6.69			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.10	*	840	1050	6.69			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*	840	1050	5.89			
PCB-78	*	*	n	NotFnd	1.21	*	840	1050	6.09			
PCB-81	*	*	n	NotFnd	1.30	*	840	1050	5.78			
13C-PCB-81	2.85e+07	0.82	y	36:05	1.63	9760				97.6	2.83e+06	3.48e+06
PCB-77	*	*	n	NotFnd	1.16	*	840	1050	6.26			
13C-PCB-77	2.89e+07	0.82	y	36:37	1.71	9460				94.6	2.91e+06	3.64e+06
PCB-155	*	*	n	NotFnd	1.22	*	632	540	8.09			
PCB-150	*	*	n	NotFnd	1.20	*	632	540	8.23			
PCB-152	*	*	n	NotFnd	1.19	*	632	540	8.35			
PCB-145	*	*	n	NotFnd	1.18	*	632	540	8.41			
PCB-136	*	*	n	NotFnd	1.08	*	632	540	9.20			
PCB-148	*	*	n	NotFnd	1.02	*	632	540	9.74			
PCB-154	*	*	n	NotFnd	1.05	*	632	540	9.41			
13C-PCB-155	1.34e+07	1.33	y	34:10	0.99	7590				75.9	1.70e+06	1.26e+06
13C-PCB-111	2.00e+07	1.65	y	36:15	1.27	8820				88.2	2.68e+06	1.61e+06
13C-PCB-101	1.79e+07	1.61	y	34:36	-	51.0						
PCB-84	*	*	n	NotFnd	0.70	*	710	654	8.23			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.70	*	710	654	8.23			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*	710	654	8.43			
PCB-90	*	*	n	NotFnd	0.79	*	710	654	7.31			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.79	*	710	654	7.31			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*	710	654	6.26			
PCB-99	*	*	n	NotFnd	0.84	*	710	654	6.88			
PCB-119	*	*	n	NotFnd	1.01	*	710	654	5.72			
PCB-83	*	*	n	NotFnd	0.80	*	710	654	7.21			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.80	*	710	654	7.21			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*	710	654	5.94			
PCB-97	*	*	n	NotFnd	0.67	*	710	654	8.69			
PCB-86	*	*	n	NotFnd	0.68	*	710	654	8.47			
PCB-125	*	*	n	NotFnd	0.91	*	710	654	6.39			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.91	*	710	654	6.39			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.91	*	710	564	5.97			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*	710	654	5.90			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*	710	654	5.90			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.87	*	710	654	6.64			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.87	*	710	654	6.64			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*	710	654	5.37			
PCB-110	*	*	n	NotFnd	0.99	*	710	654	5.83			
PCB-82	*	*	n	NotFnd	0.61	*	710	654	9.45			
PCB-124	*	*	n	NotFnd	1.06	*	1020	810	7.32			
PCB-108	*	*	n	NotFnd	1.11	*	1020	810	7.02			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.11	*	1020	810	7.02			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*	1020	810	7.63			
13C-PCB-123	2.52e+07	1.55	y	38:16	1.29	9930				99.3	3.65e+06	2.36e+06
PCB-118	*	*	n	NotFnd	1.07	*	1020	810	7.41			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.07	*	1020	810	7.41			Co-elute PCB 118
13C-PCB-118	2.71e+07	1.57	y	38:26	1.39	9900				99.0	3.50e+06	2.28e+06
PCB-114	*	*	n	NotFnd	1.08	*	1020	810	6.85			
13C-PCB-114	2.61e+07	1.55	y	39:04	1.37	9710				97.1	3.74e+06	2.43e+06
PCB-122	*	*	n	NotFnd	1.15	*	1020	810	6.76			
PCB-105	*	*	n	NotFnd	1.15	*	1020	810	7.07			
13C-PCB-105	2.62e+07	1.56	y	39:53	1.37	9740				97.4	3.49e+06	2.17e+06

PCB-127	*	*	n	NotFnd	1.05	*	1020	810	7.39				
PCB-126	*	*	n	NotFnd	1.07	*	1020	810	7.37				
13C-PCB-126	2.56e+07	1.55	y	42:00	1.35	9690				96.9	3.53e+06	2.26e+06	
PCB-151	*	*	n	NotFnd	0.85	*	756	610	8.89				
PCB-135	*	*	n	NotFnd	0.80	*	756	610	9.43				
PCB-144	*	*	n	NotFnd	1.06	*	756	610	7.16				
PCB-147	*	*	n	NotFnd	0.96	*	756	610	7.91				
PCB-139	*	*	n	NotFnd	0.99	*	756	610	7.67		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	0.99	*	756	610	7.67		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	0.95	*	756	610	7.95				
PCB-143	*	*	n	NotFnd	0.81	*	756	610	9.32		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.81	*	756	610	9.32		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	0.84	*	756	610	9.07		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	0.84	*	756	610	9.07		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.83	*	756	610	9.18				
PCB-165	*	*	n	NotFnd	1.04	*	756	610	7.31		Co-elute PCB 146		
PCB-146	*	*	n	NotFnd	1.04	*	756	610	7.31		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.00	*	756	610	7.58		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.00	*	756	610	7.58		Co-elute PCB 161		
PCB-153	*	*	n	NotFnd	1.17	*	756	610	6.50				
PCB-168	*	*	n	NotFnd	1.18	*	756	610	6.42				
PCB-141	*	*	n	NotFnd	0.93	*	756	610	8.17				
PCB-137	*	*	n	NotFnd	0.88	*	756	610	8.66				
PCB-130	*	*	n	NotFnd	0.87	*	756	610	8.70				
PCB-138	*	*	n	NotFnd	1.14	*	756	610	6.68		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.14	*	756	610	6.68		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.14	*	756	610	6.68		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.25	*	756	610	6.06		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.25	*	756	610	6.06		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.81	*	756	610	9.39				
PCB-166	*	*	n	NotFnd	1.22	*	756	610	6.23				
PCB-159	*	*	n	NotFnd	1.33	*	756	610	5.72				
PCB-128	*	*	n	NotFnd	1.06	*	756	610	7.14		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.06	*	756	610	7.14		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.23	*	756	610	6.12				
13C-PCB-167	1.97e+07	1.28	y	43:22	1.14	8820				88.2	2.56e+06	1.96e+06	
PCB-156	*	*	n	NotFnd	1.29	*	756	610	6.71				
13C-PCB-156	1.93e+07	1.29	y	44:35	1.12	8750				87.5	2.24e+06	1.71e+06	
PCB-157	*	*	n	NotFnd	1.24	*	756	610	6.06				
13C-PCB-157	1.99e+07	1.29	y	44:51	1.14	8830				88.3	2.56e+06	1.97e+06	
PCB-169	*	*	n	NotFnd	1.20	*	756	610	5.45				
13C-PCB-169	1.91e+07	1.30	y	46:43	1.17	8340				83.4	2.98e+06	2.23e+06	

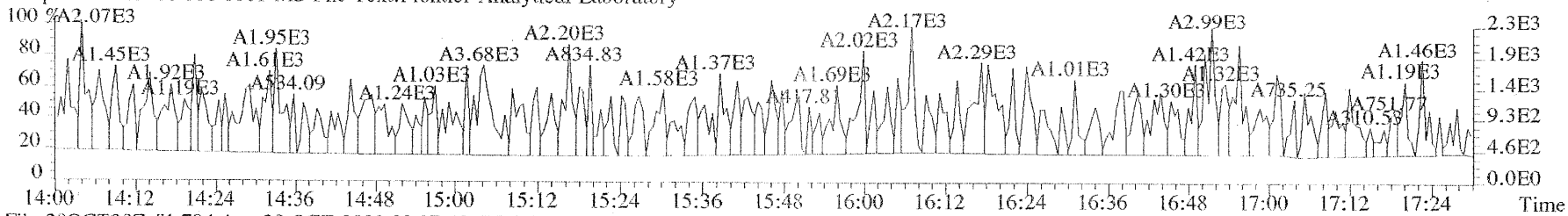
PCB-188	*	*	n	NotFnd	1.21	*	510	536	7.16				
13C-PCB-188	1.42e+07	1.07	y	39:38	0.86	8390				83.9	1.56e+06	1.46e+06	
PCB-184	*	*	n	NotFnd	1.31	*	510	536	6.19				
PCB-179	*	*	n	NotFnd	1.28	*	510	536	6.37				
PCB-176	*	*	n	NotFnd	1.26	*	510	536	6.44				
PCB-186	*	*	n	NotFnd	1.22	*	510	536	6.66				
PCB-178	*	*	n	NotFnd	0.90	*	510	536	9.06				
PCB-175	*	*	n	NotFnd	0.93	*	510	536	8.74				
PCB-187	*	*	n	NotFnd	1.02	*	510	536	7.96		Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.02	*	510	536	7.96		Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	0.99	*	510	536	8.19				
PCB-185	*	*	n	NotFnd	0.94	*	510	536	8.62				
PCB-174	*	*	n	NotFnd	0.94	*	510	536	8.70				
PCB-181	*	*	n	NotFnd	0.91	*	510	536	8.95				
PCB-177	*	*	n	NotFnd	0.84	*	510	536	9.67				
PCB-171	*	*	n	NotFnd	0.92	*	510	536	8.87				
PCB-173	*	*	n	NotFnd	0.83	*	510	536	9.85				
PCB-172	*	*	n	NotFnd	0.87	*	510	536	9.35				
PCB-192	*	*	n	NotFnd	1.14	*	510	536	7.15				
PCB-180	*	*	n	NotFnd	0.89	*	510	536	9.10				
PCB-193	*	*	n	NotFnd	1.23	*	510	536	6.60				
PCB-191	*	*	n	NotFnd	1.27	*	510	536	6.42				
PCB-170	*	*	n	NotFnd	0.89	*	510	536	9.10				
PCB-190	*	*	n	NotFnd	1.18	*	510	536	6.87				
PCB-189	*	*	n	NotFnd	1.21	*	510	536	6.17				
13C-PCB-189	1.17e+07	1.11	y	48:24	0.88	6790				67.9	1.87e+06	1.63e+06	
PCB-202	*	*	n	NotFnd	1.16	*	354	510	7.61				
PCB-201	*	*	n	NotFnd	1.24	*	354	510	7.12				
PCB-204	*	*	n	NotFnd	1.26	*	354	510	7.01				
PCB-197	*	*	n	NotFnd	1.29	*	354	510	6.83				
PCB-200	*	*	n	NotFnd	1.27	*	354	510	6.96				
PCB-198	*	*	n	NotFnd	0.91	*	354	510	9.75				
PCB-199	*	*	n	NotFnd	0.95	*	354	510	9.26				
PCB-203	*	*	n	NotFnd	1.01	*	354	510	8.71		Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	1.01	*	354	510	8.71		Co-elute PCB 203		
13C-PCB-202	9.98e+06	0.94	y	44:46	0.68	7520				75.2	1.17e+06	1.28e+06	
13C-PCB-178	1.08e+07	1.08	y	42:16	0.70	7790				77.9	1.17e+06	1.07e+06	
13C-PCB-138	1.97e+07	1.28	y	41:30	-	49.7							
PCB-195	*	*	n	NotFnd	0.85	*	899	1050	9.34				
PCB-194	*	*	n	NotFnd	0.94	*	899	1050	8.48				
PCB-205	*	*	n	NotFnd	1.12	*	899	1050	7.10				
13C-PCB-205	1.95e+07	0.91	y	50:03	1.22	8950				89.5	2.96e+06	3.16e+06	
PCB-208	*	*	n	NotFnd	1.11	*	808	804	6.98				
13C-PCB-208	1.56e+07	0.83	y	49:07	0.98	8870				88.7	2.35e+06	2.88e+06	
PCB-207	*	*	n	NotFnd	1.26	*	808	804	7.30				
PCB-206	*	*	n	NotFnd	1.16	*	808	804	9.74				
13C-PCB-206	1.12e+07	0.82	y	51:14	0.75	8390				83.9	1.59e+06	1.98e+06	
PCB-209	*	*	n	NotFnd	1.22	*	692	412	7.04				
13C-PCB-209	1.13e+07	1.23	y	52:26	0.80	7910				79.1	1.80e+06	1.42e+06	
13C-PCB-194	1.78e+07	0.92	y	49:48	-	42.8							

Analyst: _____ Date: 10/28/20

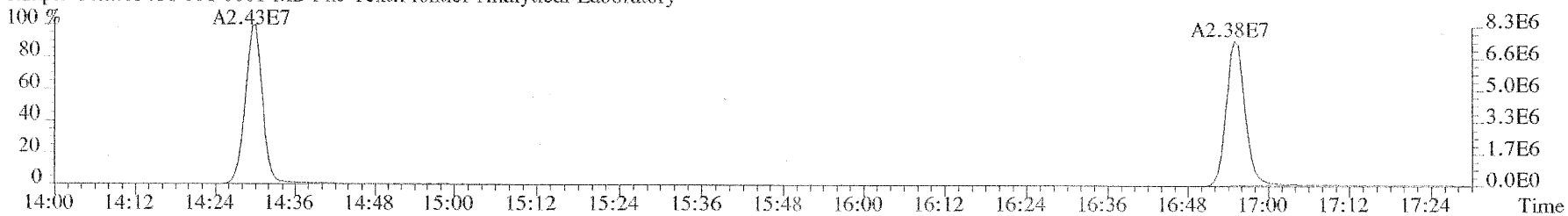
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



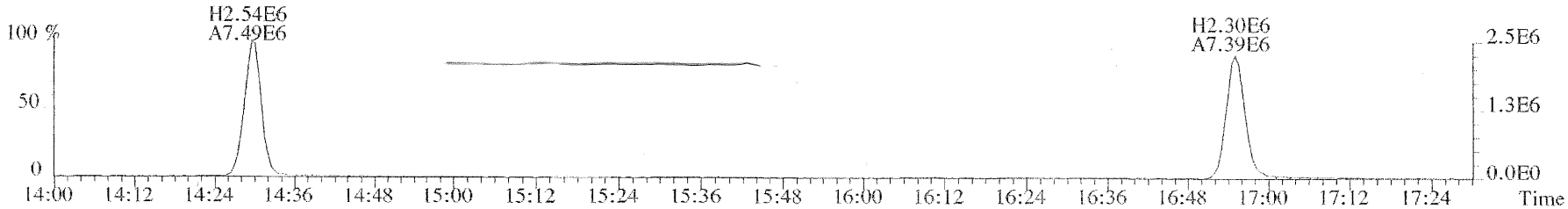
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



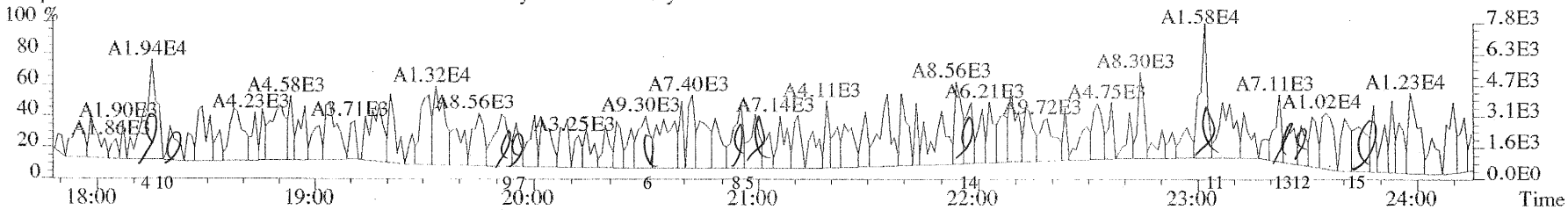
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



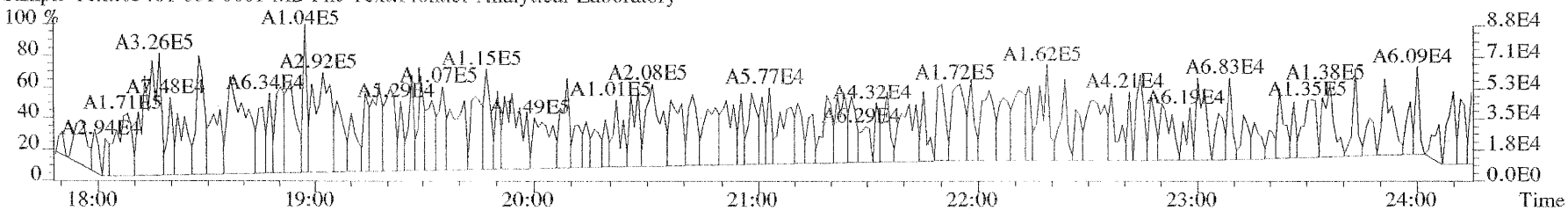
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



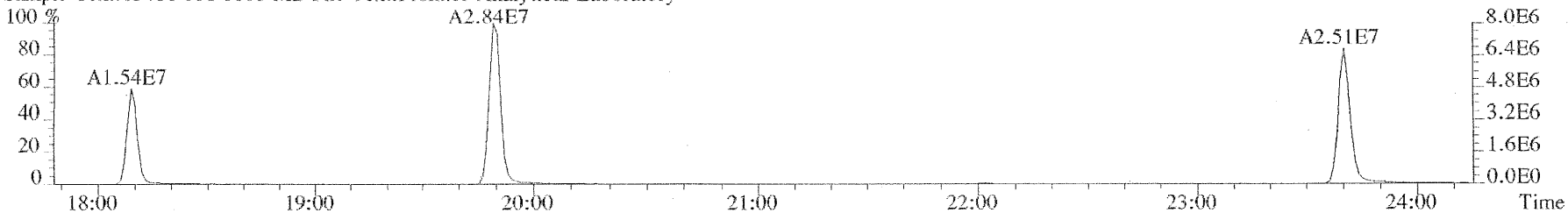
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



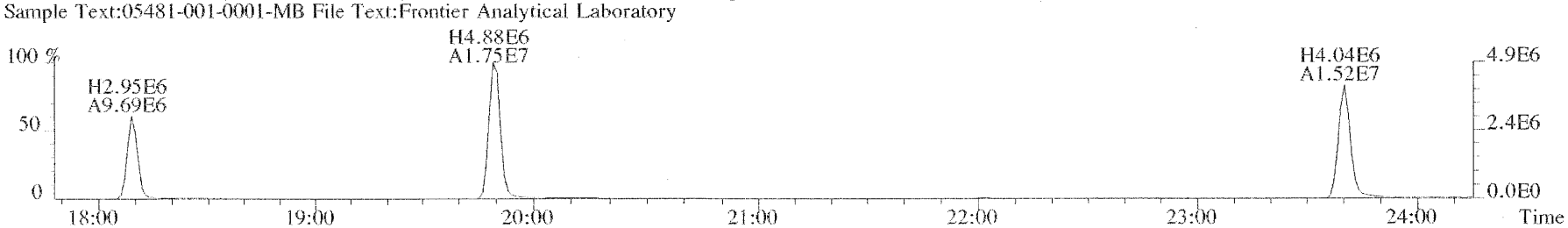
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



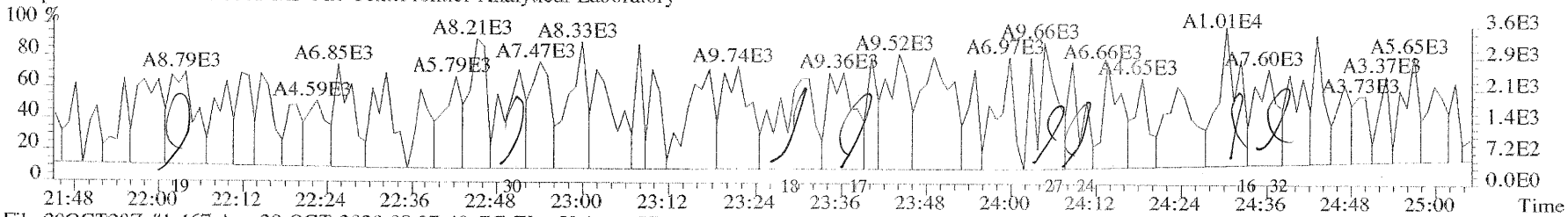
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



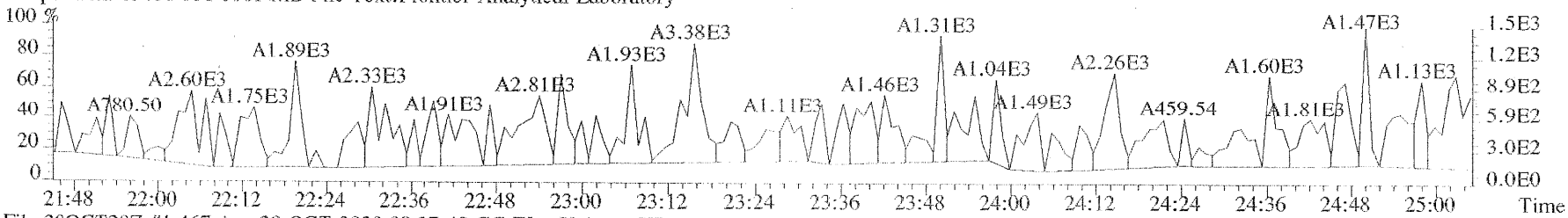
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



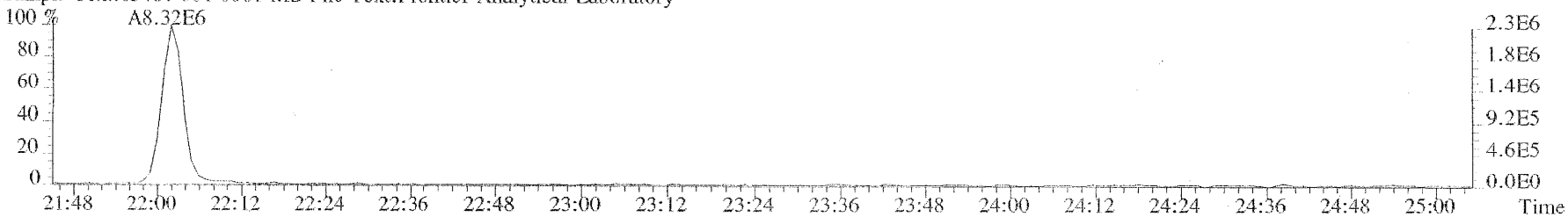
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



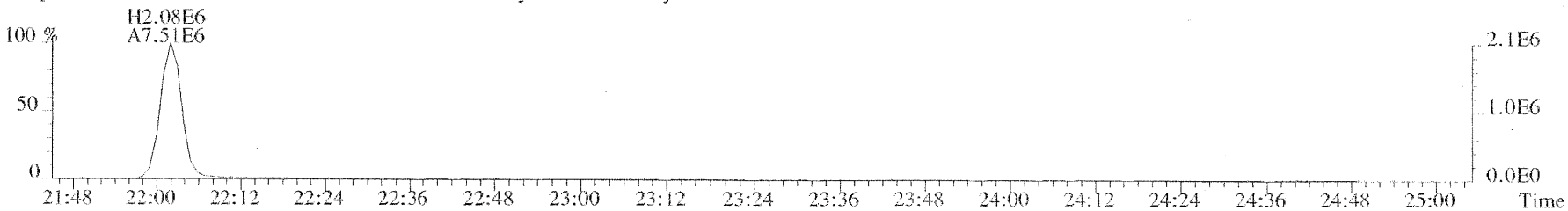
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



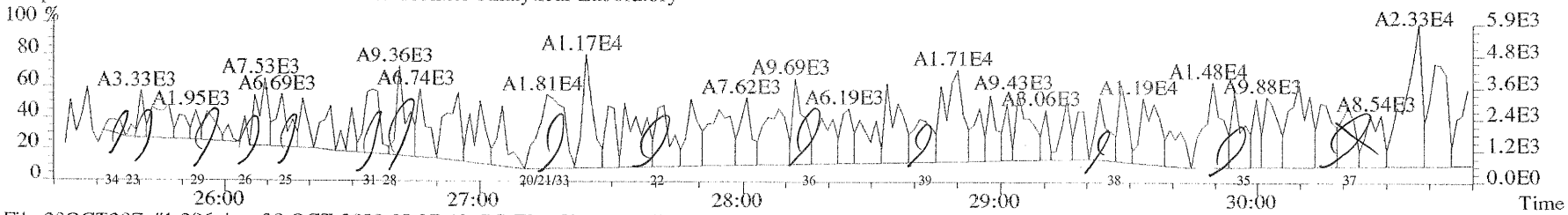
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



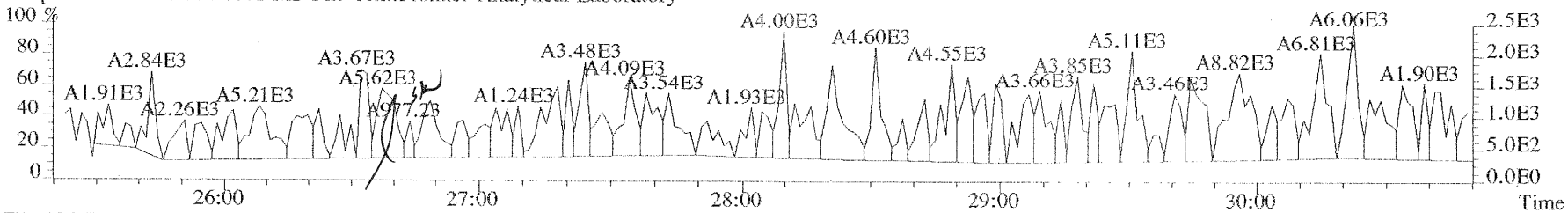
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



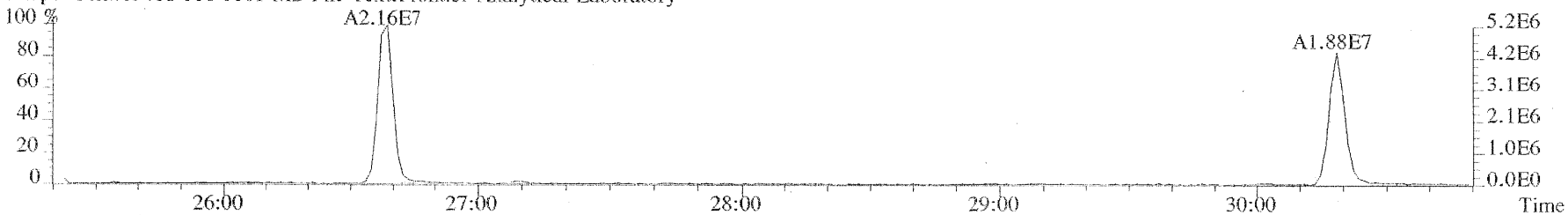
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



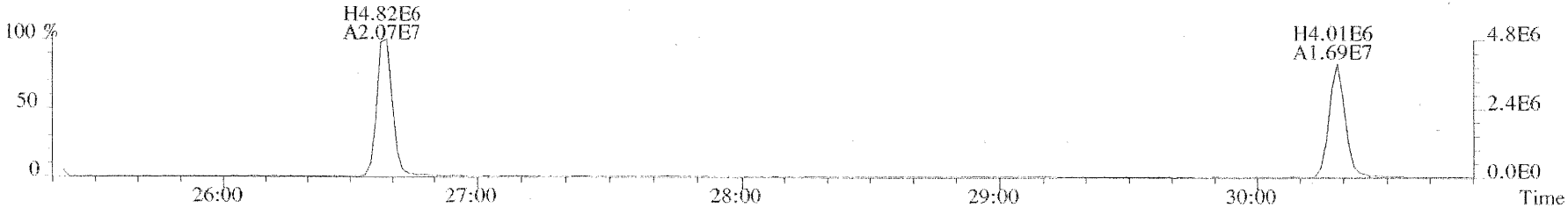
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



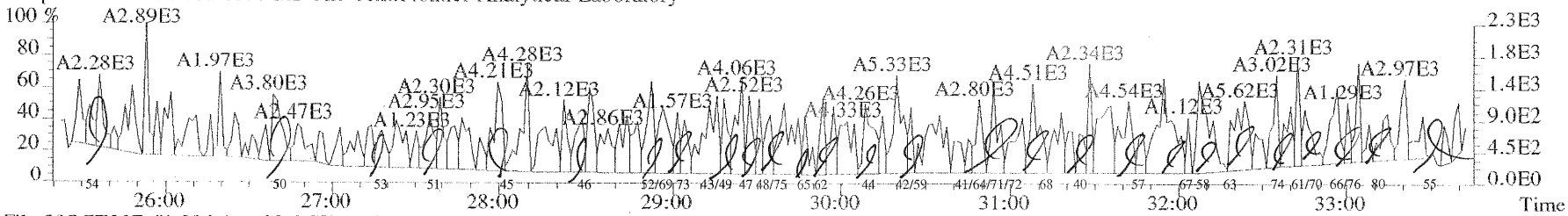
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



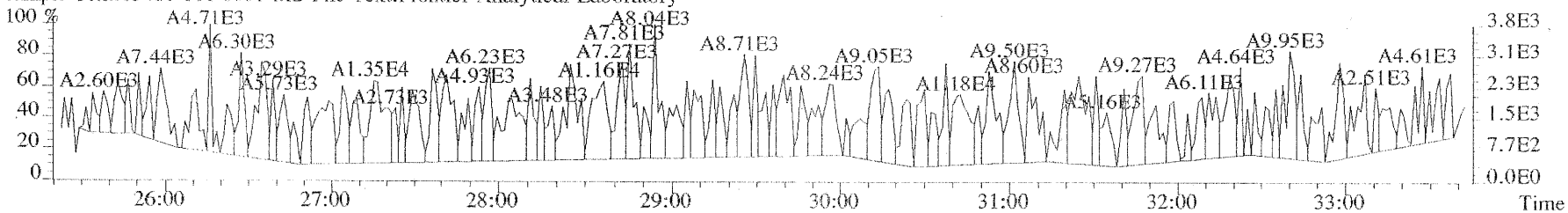
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



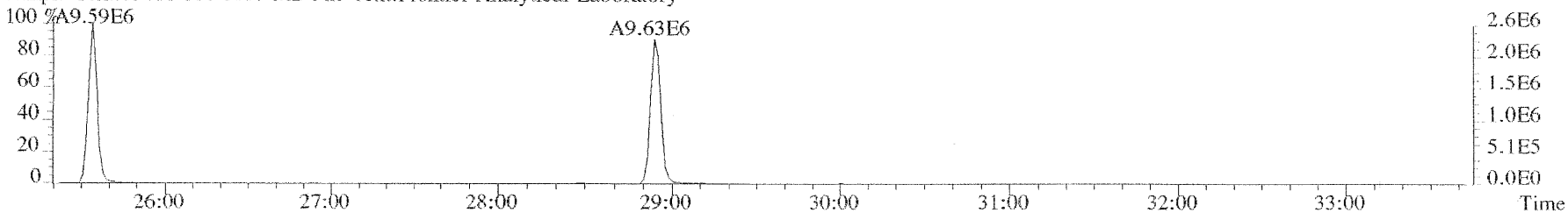
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



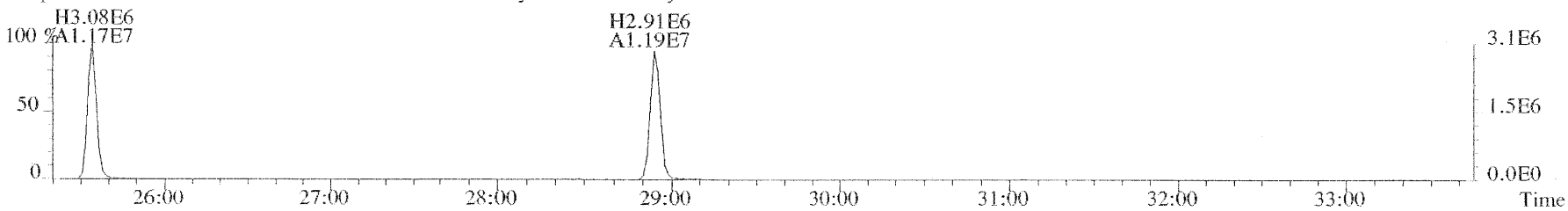
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



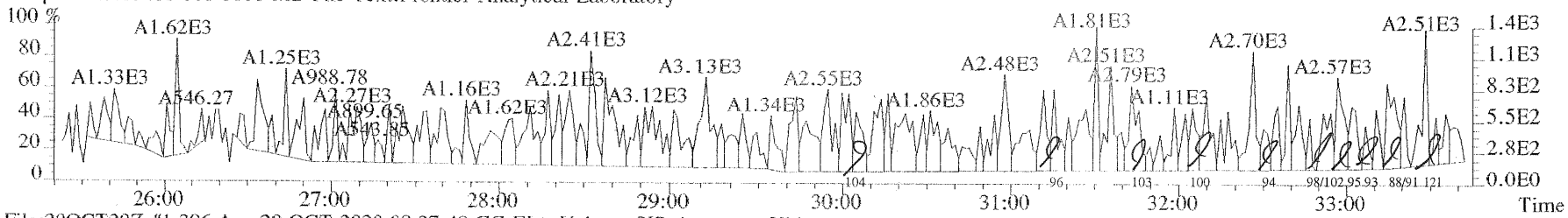
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



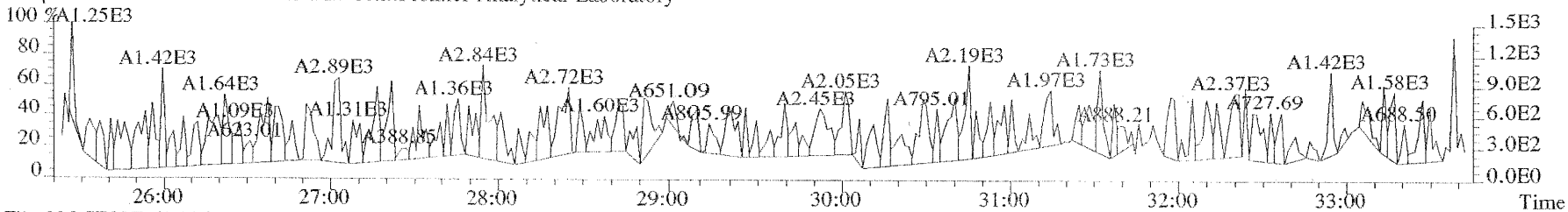
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



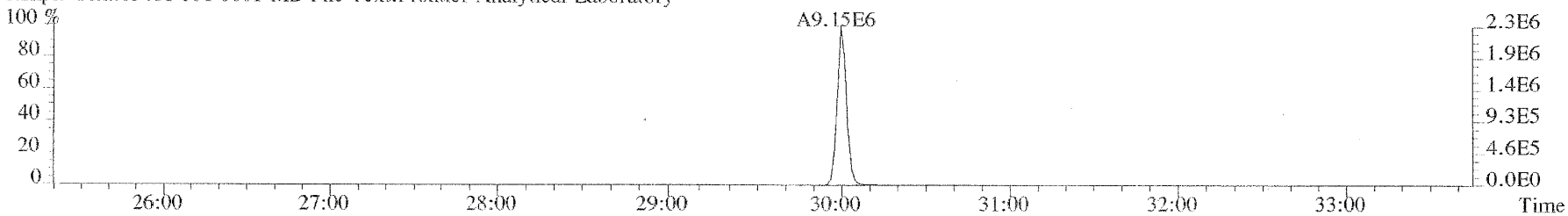
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



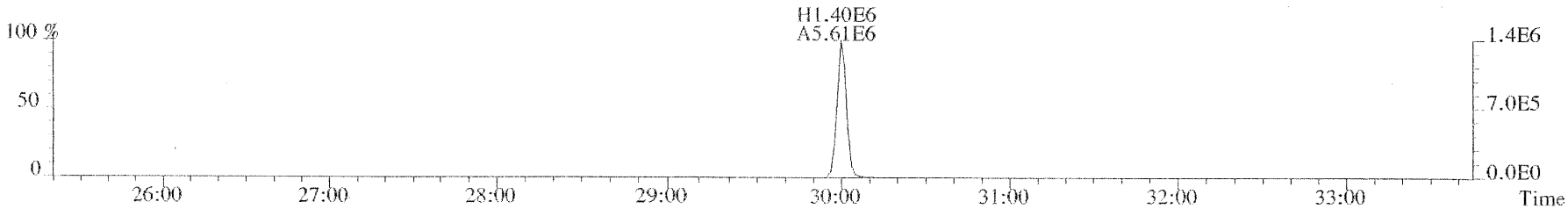
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



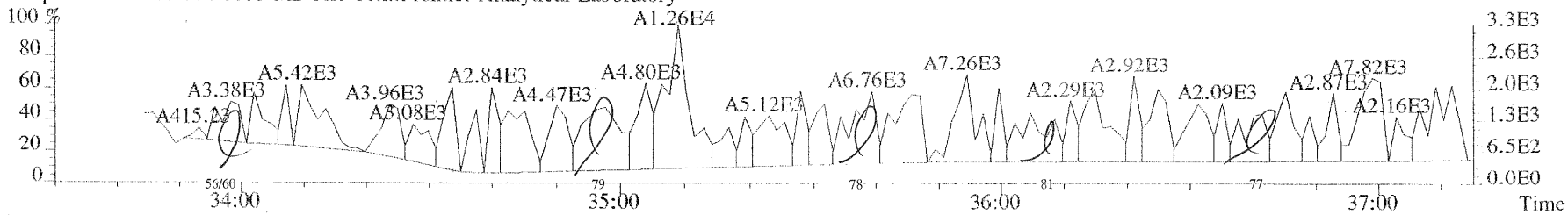
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



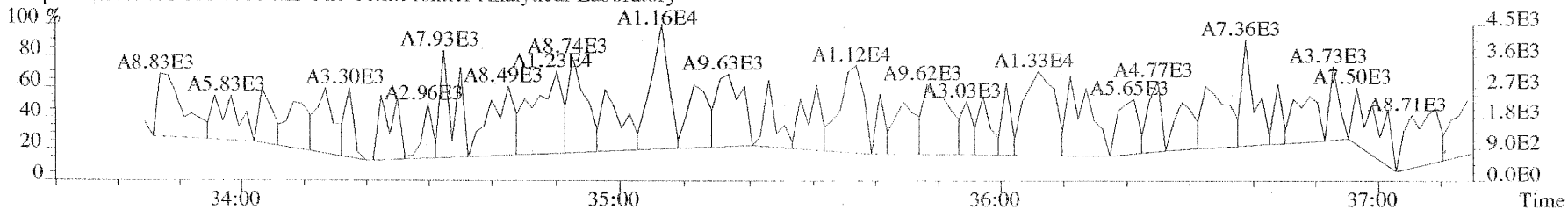
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



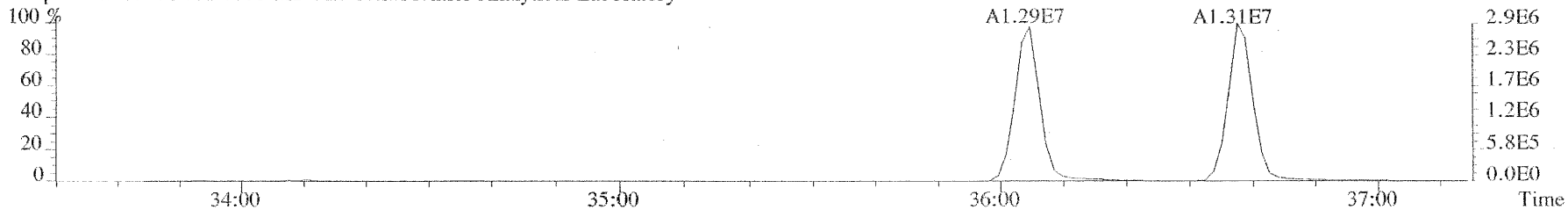
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



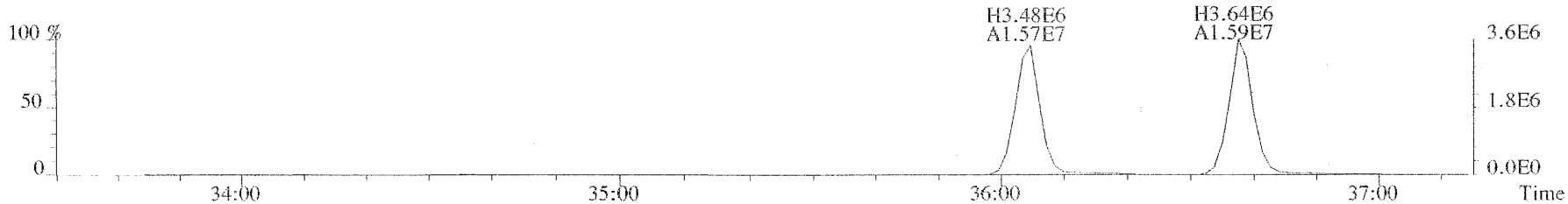
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



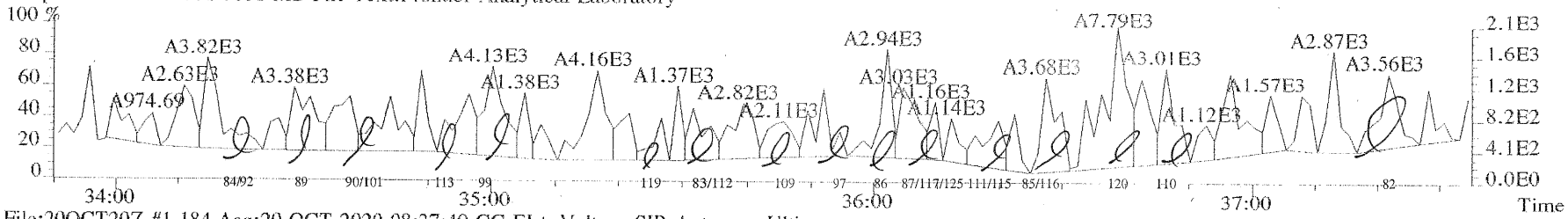
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



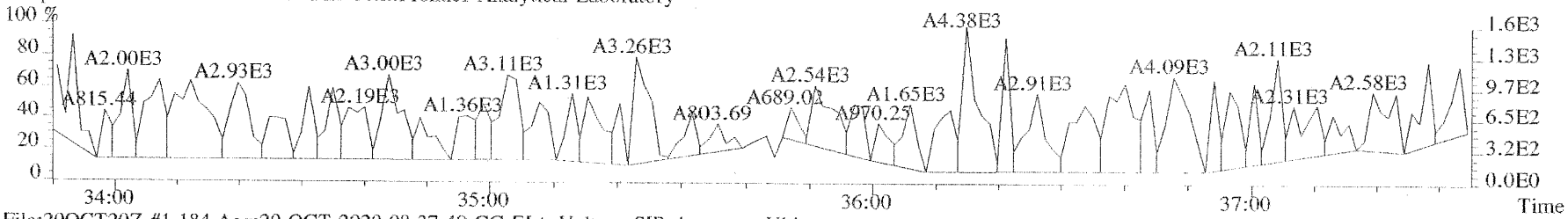
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



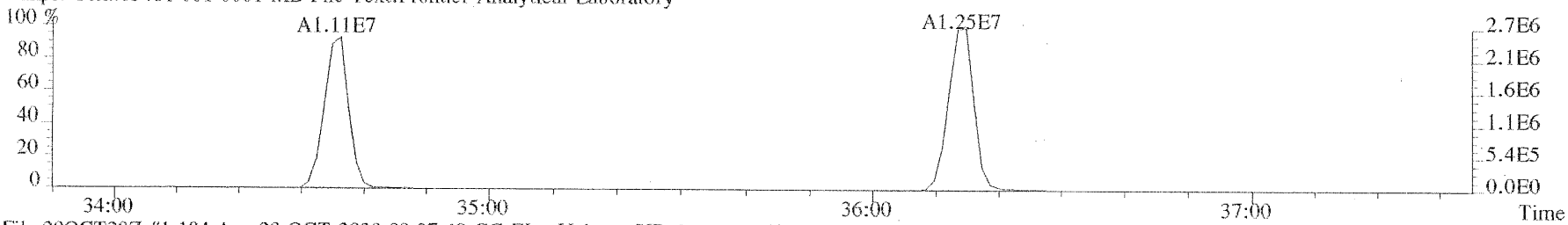
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



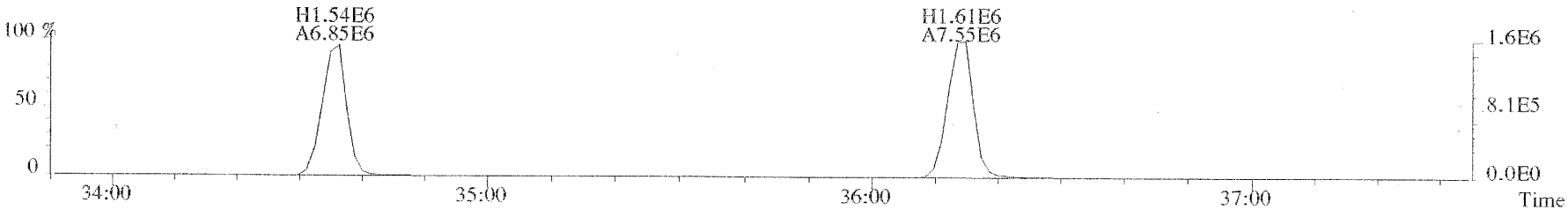
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



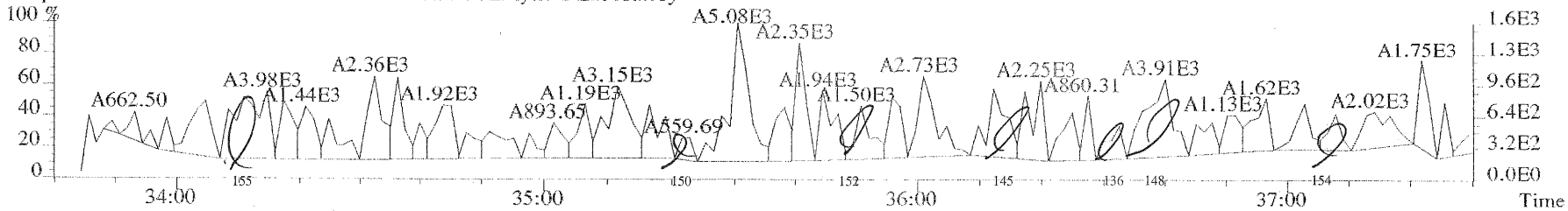
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



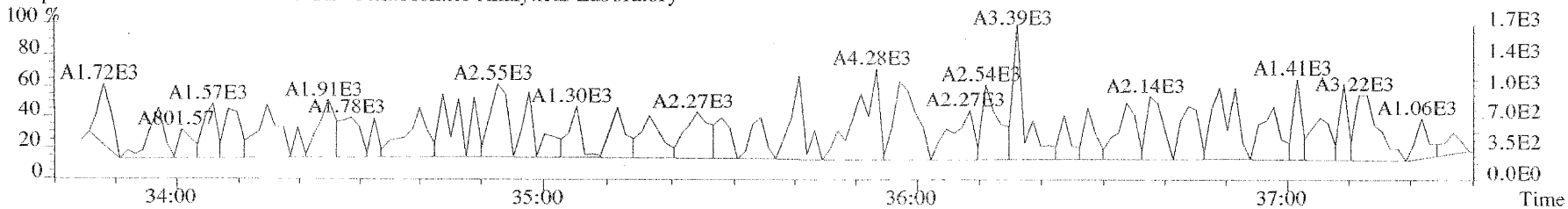
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



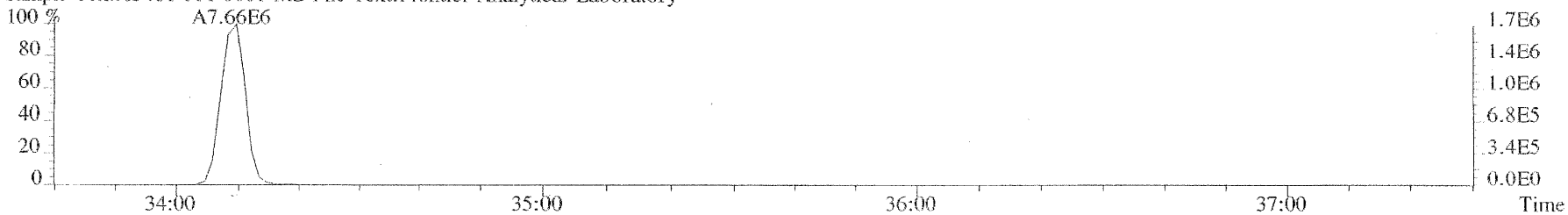
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



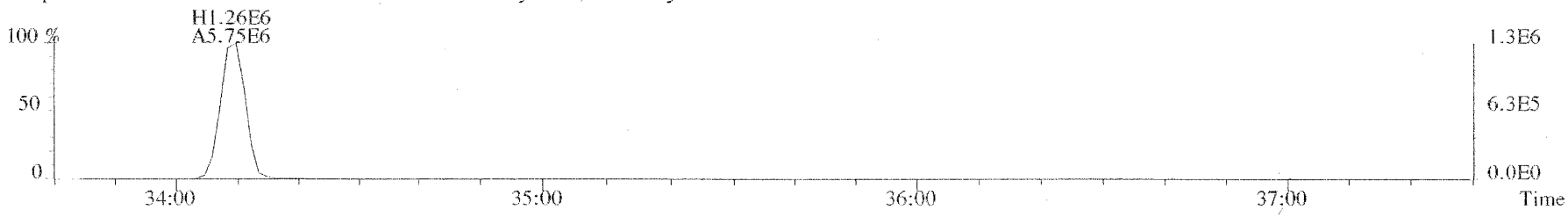
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



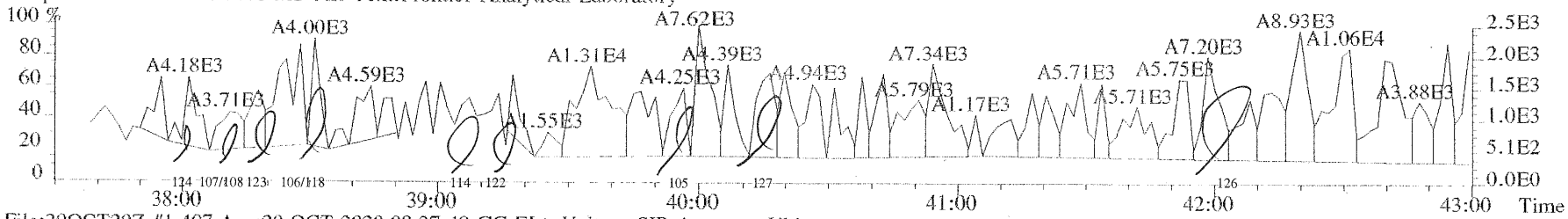
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



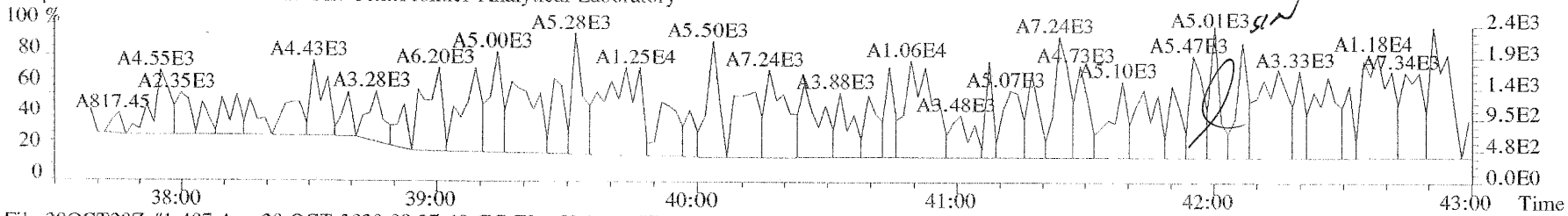
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



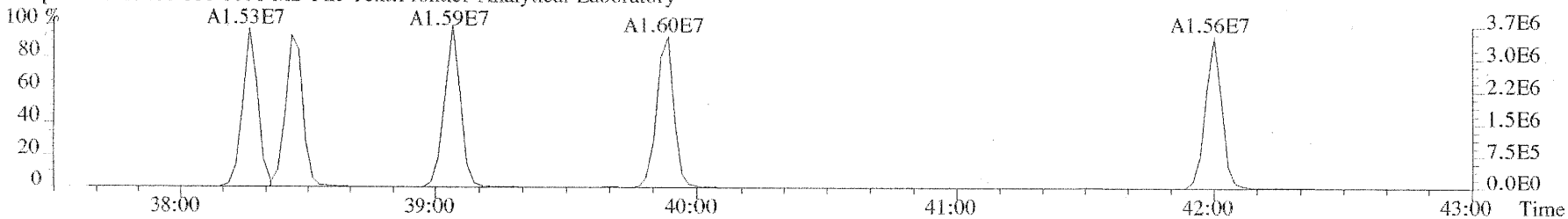
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



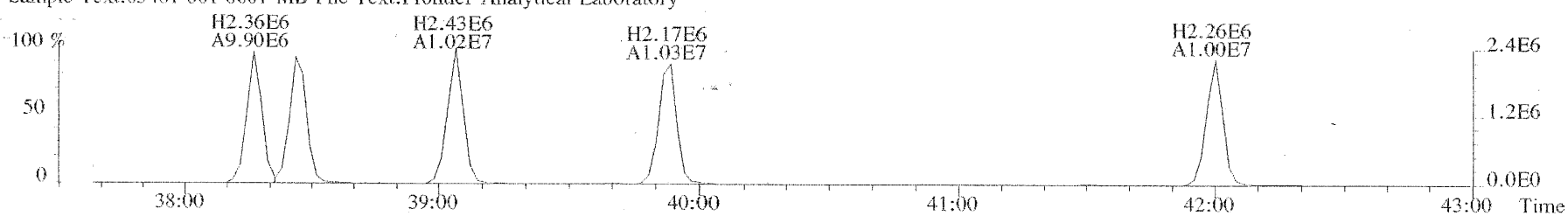
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



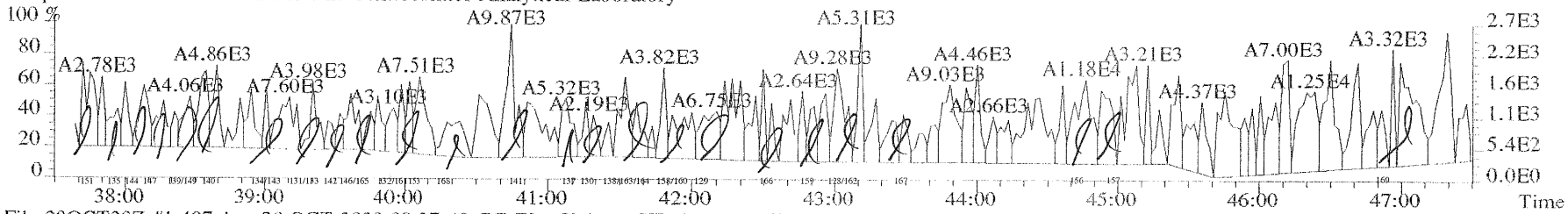
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



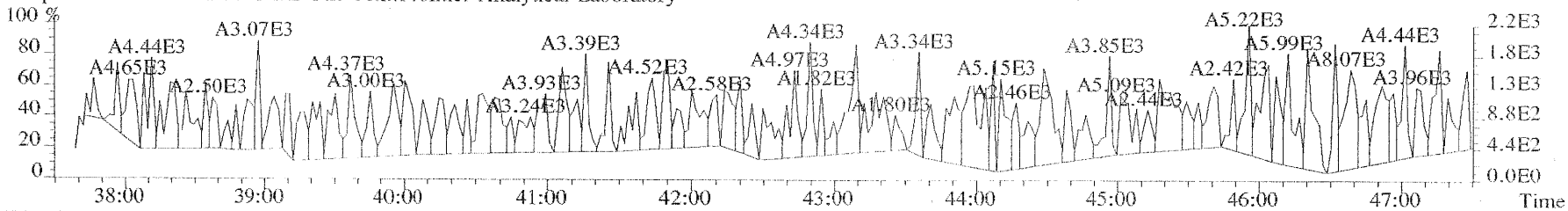
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



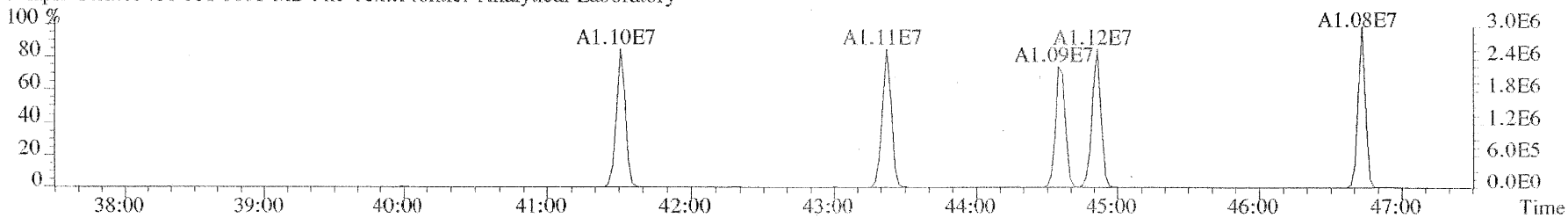
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



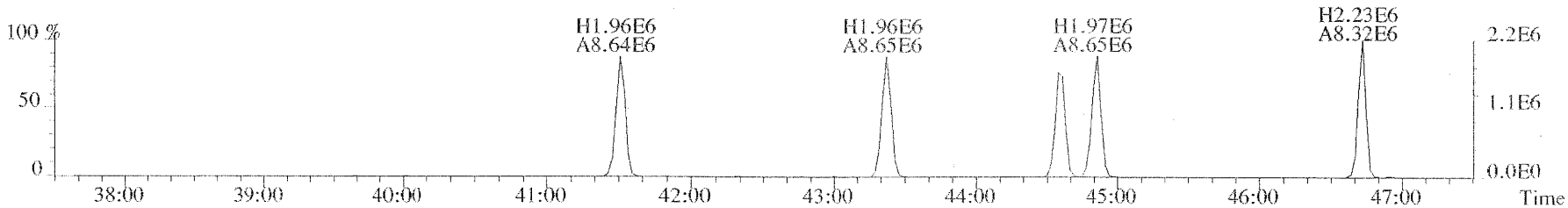
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



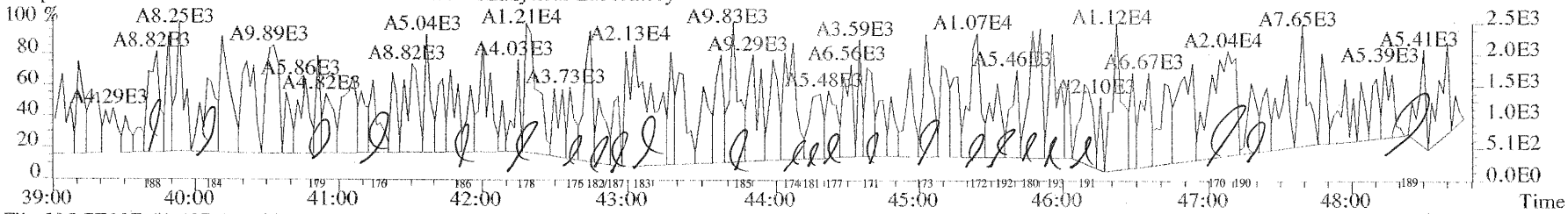
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



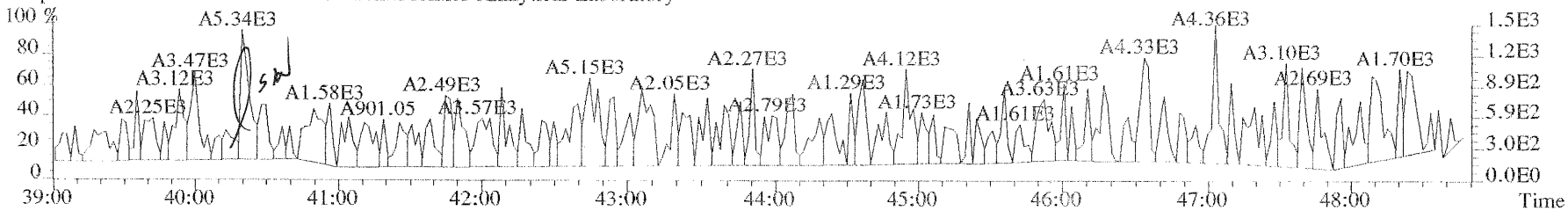
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



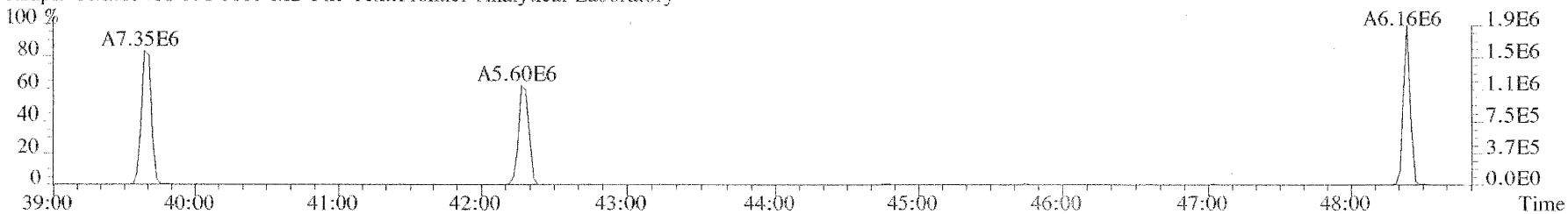
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



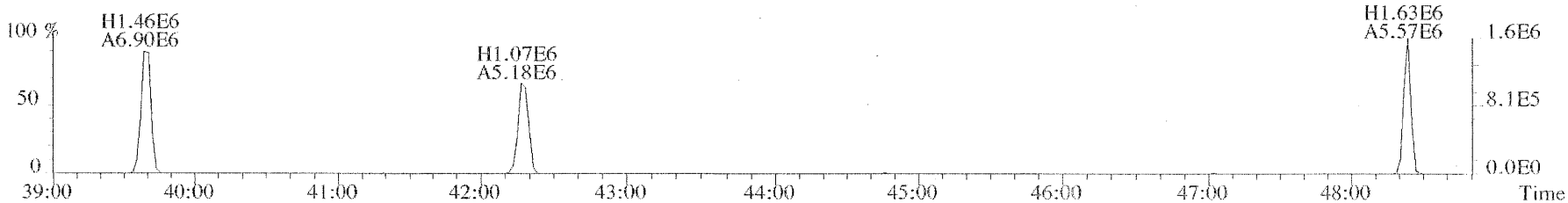
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



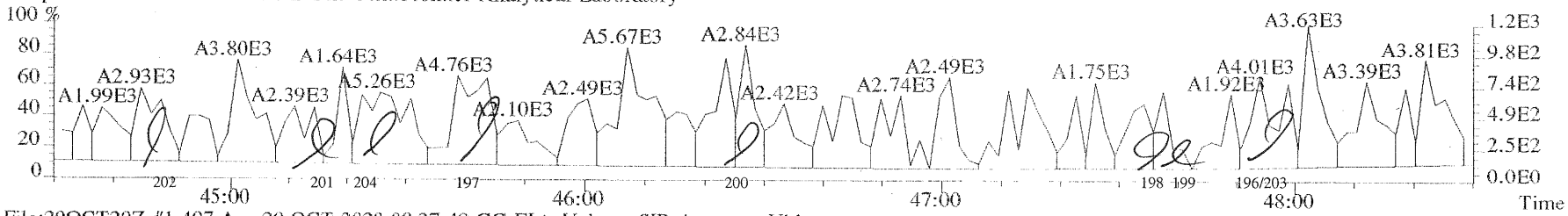
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



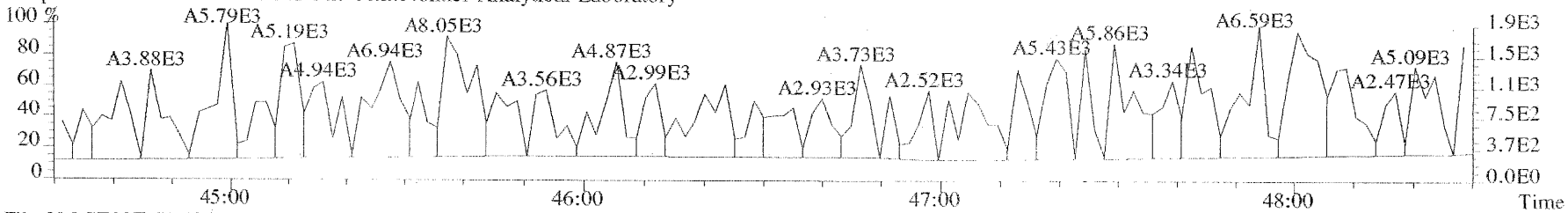
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



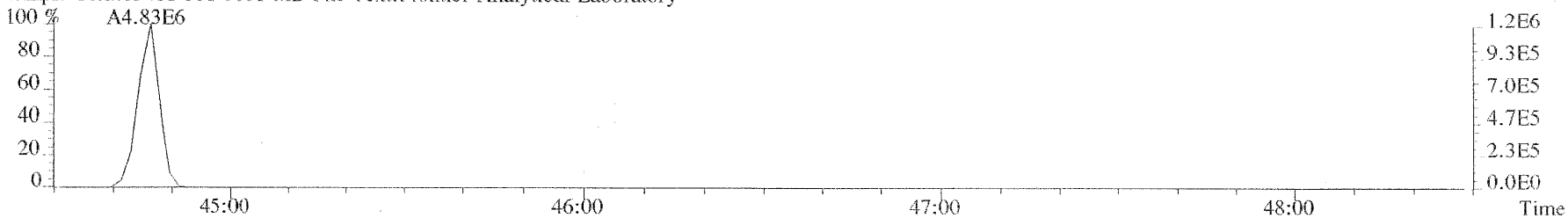
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



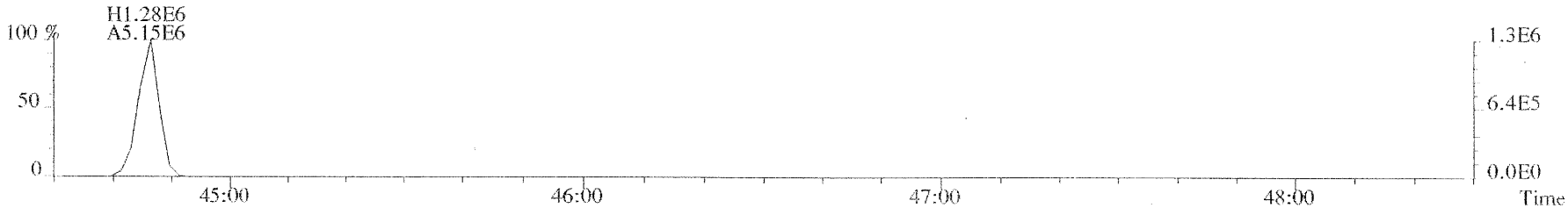
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



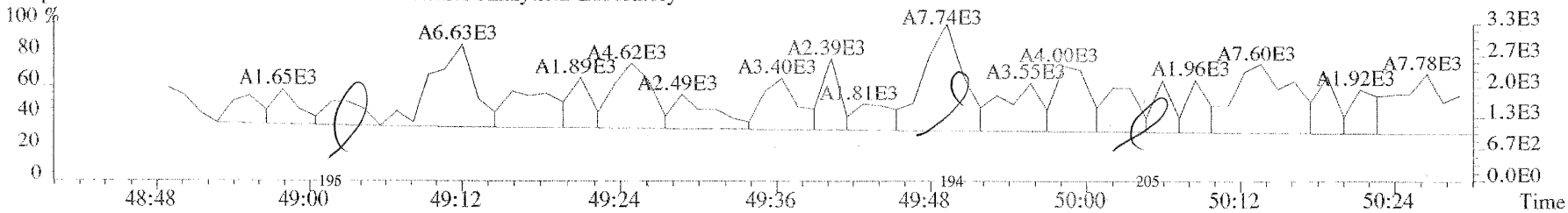
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



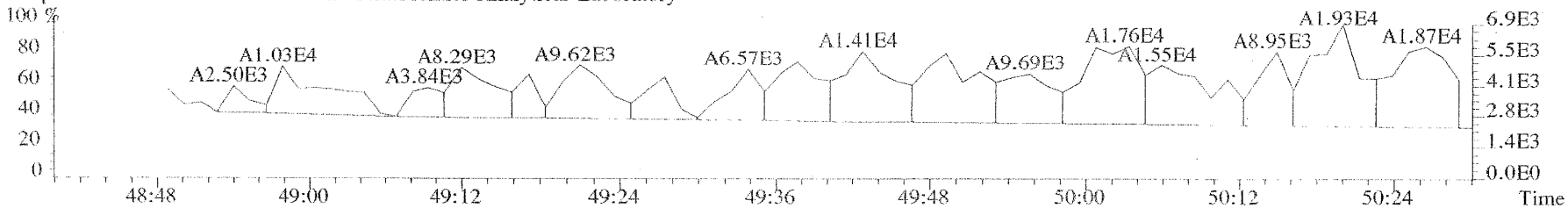
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



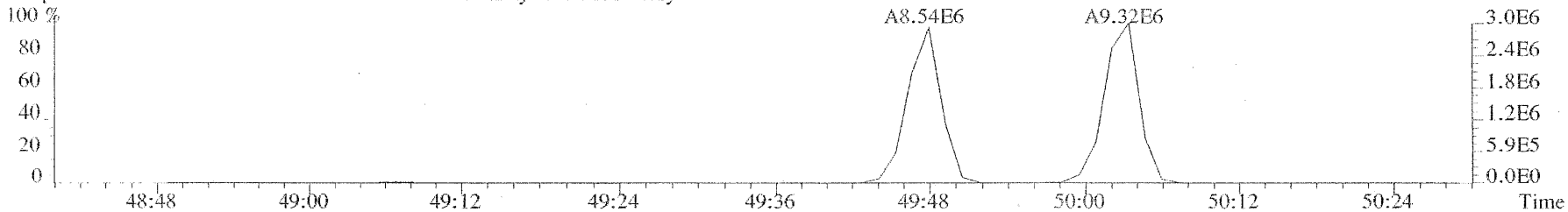
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



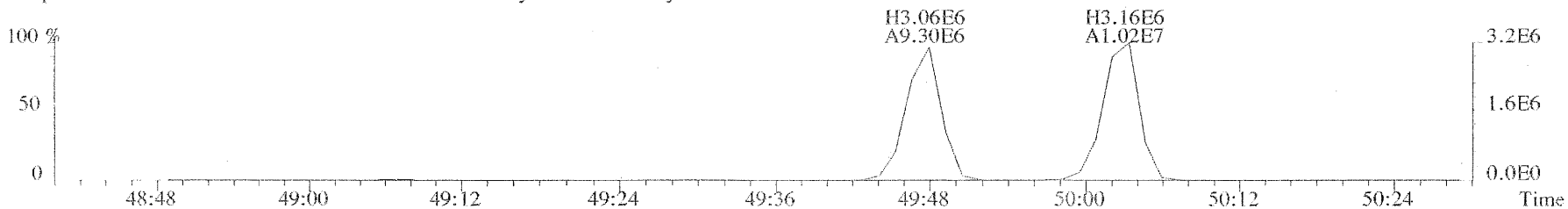
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



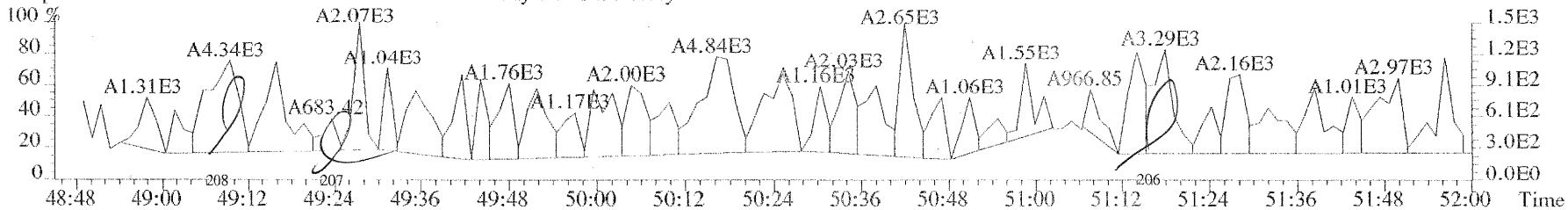
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



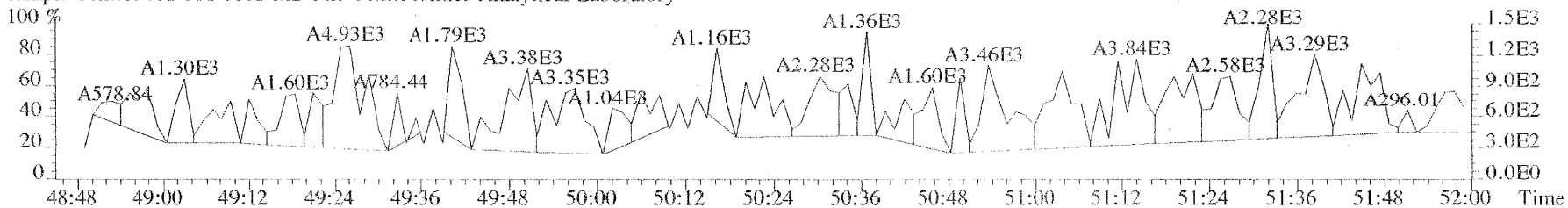
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



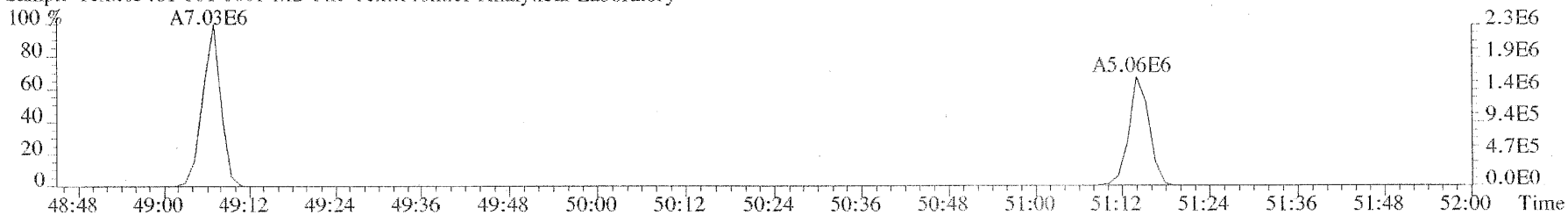
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



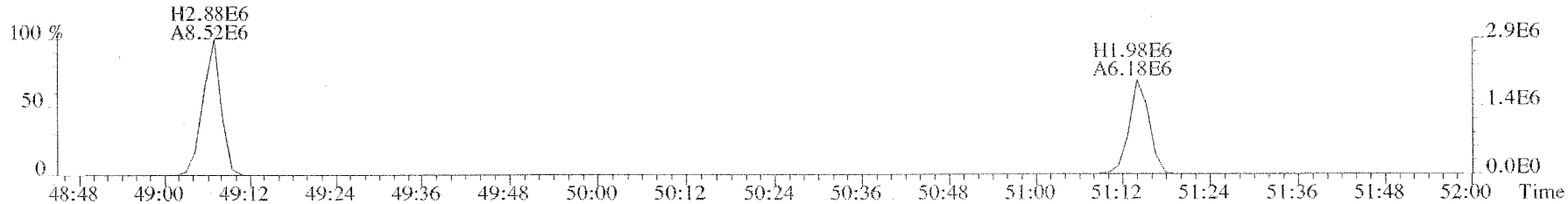
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



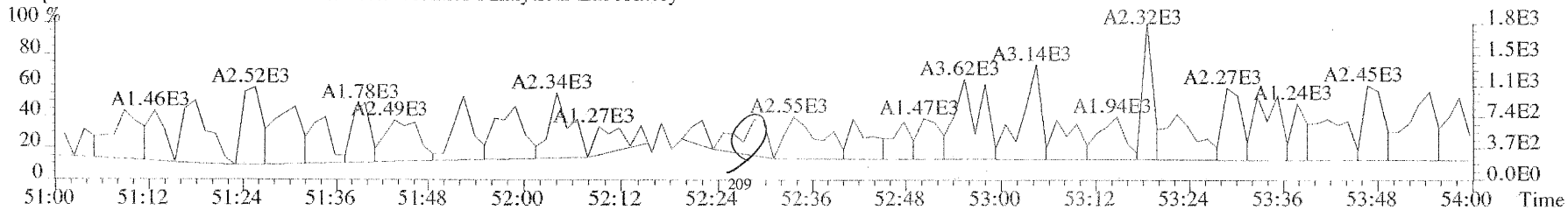
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



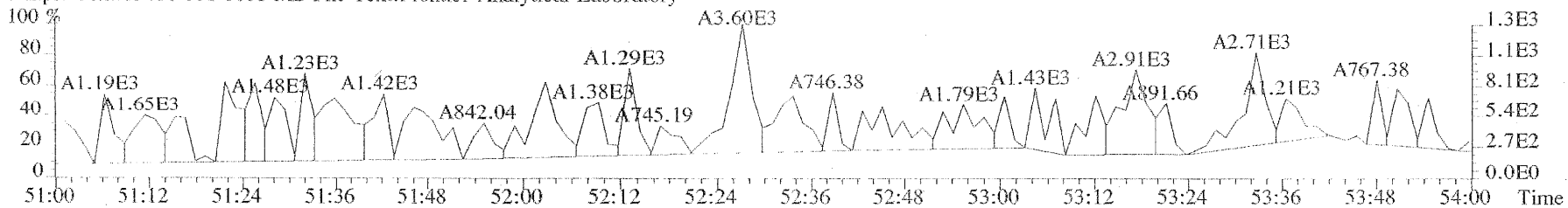
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



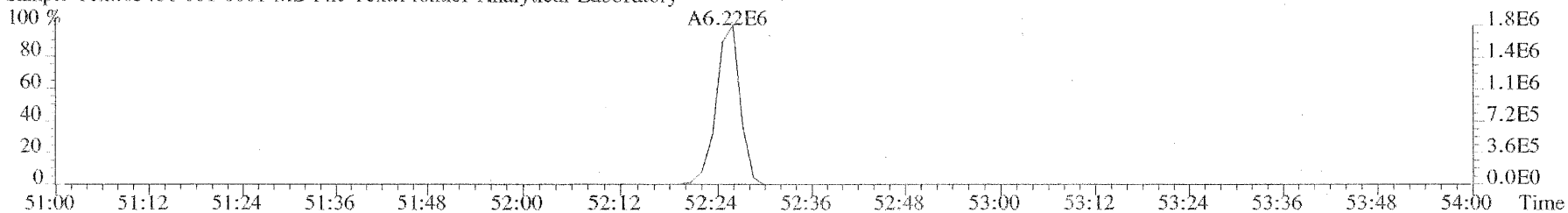
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



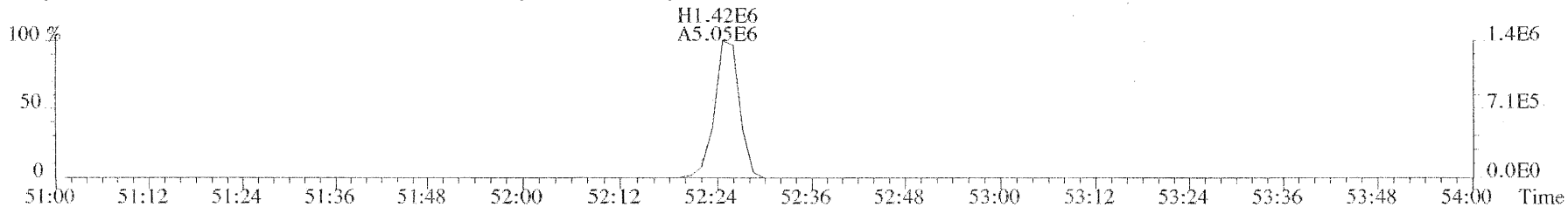
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-MB File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

FORM 8A
209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05481-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 20OCT20Z Sam:2

Ext. Date: 10/13/20 Shift: Day Analysis Date: 20-OCT-20 09:37:51

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	50.1	30.0 - 67.5
PCB-3	50	50.2	30.0 - 67.5
PCB-4	50	53.9	30.0 - 67.5
PCB-15	50	49.7	30.0 - 67.5
PCB-19	50	50.4	30.0 - 67.5
PCB-37	50	48.8	30.0 - 67.5
PCB-54	50	51.3	30.0 - 67.5
PCB-77	50	51.6	30.0 - 67.5
PCB-81	50	47.1	30.0 - 67.5
PCB-104	50	51.0	30.0 - 67.5
PCB-105	50	48.7	30.0 - 67.5
PCB-114	50	49.3	30.0 - 67.5
PCB-118	50	52.0	30.0 - 67.5
PCB-123	50	54.2	30.0 - 67.5
PCB-126	50	50.3	30.0 - 67.5
PCB-155	50	51.0	30.0 - 67.5
PCB-156	50	45.5	30.0 - 67.5
PCB-157	50	46.0	30.0 - 67.5
PCB-167	50	48.0	30.0 - 67.5
PCB-169	50	49.3	30.0 - 67.5
PCB-188	50	49.4	30.0 - 67.5
PCB-189	50	50.3	30.0 - 67.5
PCB-202	50	51.6	30.0 - 67.5
PCB-205	50	49.8	30.0 - 67.5
PCB-206	50	50.3	30.0 - 67.5
PCB-208	50	49.1	30.0 - 67.5
PCB-209	50	51.1	30.0 - 67.5

Analyst: [signature] Date: 10/20/20

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05481-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 20OCT20Z Sam:2

Ext. Date: 10/13/20 Shift: Day Analysis Date: 20-OCT-20 09:37:51

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	84.1	15.0 - 145
13C-PCB-3	100	87.7	15.0 - 145
13C-PCB-4	100	87.8	15.0 - 145
13C-PCB-15	100	90.8	15.0 - 145
13C-PCB-19	100	86.8	15.0 - 145
13C-PCB-37	100	102	15.0 - 145
13C-PCB-54	100	86.6	15.0 - 145
13C-PCB-77	100	95.2	40.0 - 145
13C-PCB-81	100	97.7	40.0 - 145
13C-PCB-104	100	81.7	40.0 - 145
13C-PCB-105	100	95.7	40.0 - 145
13C-PCB-114	100	99.3	40.0 - 145
13C-PCB-118	100	104	40.0 - 145
13C-PCB-123	100	102	40.0 - 145
13C-PCB-126	100	97.2	40.0 - 145
13C-PCB-155	100	79.6	40.0 - 145
13C-PCB-156	100	92.2	40.0 - 145
13C-PCB-157	100	88.6	40.0 - 145
13C-PCB-167	100	90.4	40.0 - 145
13C-PCB-169	100	83.2	40.0 - 145
13C-PCB-188	100	91.3	40.0 - 145
13C-PCB-189	100	72.2	40.0 - 145
13C-PCB-202	100	82.7	40.0 - 145
13C-PCB-205	100	92.9	40.0 - 145
13C-PCB-206	100	88.3	40.0 - 145
13C-PCB-208	100	90.7	40.0 - 145
13C-PCB-209	100	82.7	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	97.9	15.0 - 145
13C-PCB-111	100	87.5	40.0 - 145
13C-PCB-178	100	77.9	40.0 - 145

Analyst: _____ Date: 10/20/20

FAL ID: 05481-001-0001-OPR Filename: 20OCT20Z Sam:2 Acquired: 20-OCT-20 09:37:51 ICal: DAILY209FAL4-10-20-20 1 of 2
Client ID: OPR ConCal: ST102020Z1 EndCal: ST102020Z2
Results: GC Column: DB1MS Amount: 1.000

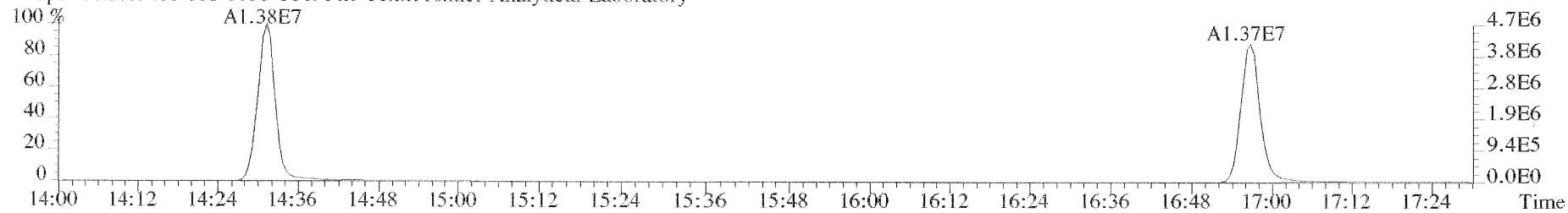
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.82e+07	3.16 y	14:31	1.32	50.1		2.50	-	-	*	
13C-PCB-1	2.75e+07	3.26 y	14:30	0.87	84.1		2.50				84.1
PCB-3	1.80e+07	3.15 y	16:57	1.32	50.2		2.50	-	-	*	
13C-PCB-3	2.73e+07	3.24 y	16:56	0.82	87.7		2.50				87.7
PCB-4	1.23e+07	1.41 y	18:12	1.06	53.9		2.50	-	-	*	
13C-PCB-4	2.16e+07	1.60 y	18:10	0.65	87.8		2.50				87.8
PCB-15	1.94e+07	1.46 y	23:42	1.12	49.7		2.50	-	-	*	
13C-PCB-15	3.48e+07	1.59 y	23:41	1.02	90.8		2.50				90.8
PCB-19	8.78e+06	1.09 y	22:03	1.27	50.4		2.50	-	-	*	
13C-PCB-19	1.37e+07	1.12 y	22:02	0.42	86.8		2.50				86.8
13C-PCB-9	3.77e+07	1.60 y	19:50	-	51.6		2.50				
PCB-37	1.70e+07	1.02 y	30:19	1.14	48.8		2.50	-	-	*	
13C-PCB-37	3.07e+07	1.10 y	30:18	1.64	102		2.50				102
PCB-54	1.25e+07	0.80 y	25:36	1.36	51.3		2.50	-	-	*	
13C-PCB-54	1.79e+07	0.84 y	25:35	1.13	86.6		2.50				86.6
PCB-104	8.08e+06	1.59 y	30:02	1.18	51.0		2.50	-	-	*	
13C-PCB-104	1.35e+07	1.61 y	30:00	0.90	81.7		2.50				81.7
13C-PCB-28	3.42e+07	1.06 y	26:38	1.90	97.9		2.50				97.9
13C-PCB-52	1.84e+07	0.81 y	28:55	-	46.2		2.50				
PCB-81	1.48e+07	0.78 y	36:06	1.30	47.1		2.50	-	-	*	
13C-PCB-81	2.43e+07	0.81 y	36:04	1.63	97.7		2.50				97.7
PCB-77	1.47e+07	0.77 y	36:38	1.16	51.6		2.50	-	-	*	
13C-PCB-77	2.48e+07	0.84 y	36:38	1.71	95.2		2.50				95.2
PCB-155	7.46e+06	1.32 y	34:10	1.22	51.0		2.50	-	-	*	
13C-PCB-155	1.19e+07	1.33 y	34:09	0.99	79.6		2.50				79.6
13C-PCB-111	1.69e+07	1.63 y	36:13	1.27	87.5		2.50				87.5
13C-PCB-101	1.52e+07	1.65 y	34:36	-	43.4		2.50				
PCB-123	1.13e+07	1.51 y	38:17	1.00	54.2		2.50	-	-	*	
13C-PCB-123	2.10e+07	1.52 y	38:16	1.29	102		2.50				102
PCB-118	1.28e+07	1.50 y	38:27	1.07	52.0		2.50	-	-	*	
13C-PCB-118	2.31e+07	1.60 y	38:26	1.39	104		2.50				104
PCB-114	1.16e+07	1.50 y	39:05	1.08	49.3		2.50	-	-	*	
13C-PCB-114	2.17e+07	1.56 y	39:04	1.37	99.3		2.50				99.3
PCB-105	1.17e+07	1.53 y	39:53	1.15	48.7		2.50	-	-	*	
13C-PCB-105	2.10e+07	1.58 y	39:53	1.37	95.7		2.50				95.7
PCB-126	1.13e+07	1.50 y	42:01	1.07	50.3		2.50	-	-	*	
13C-PCB-126	2.09e+07	1.57 y	41:60	1.35	97.2		2.50				97.2
PCB-167	9.75e+06	1.27 y	43:24	1.23	48.0		2.50	-	-	*	
13C-PCB-167	1.65e+07	1.30 y	43:22	1.14	90.4		2.50				90.4
PCB-156	9.71e+06	1.28 y	44:36	1.29	45.5		2.50	-	-	*	
13C-PCB-156	1.66e+07	1.31 y	44:34	1.12	92.2		2.50				92.2
PCB-157	9.27e+06	1.28 y	44:51	1.24	46.0		2.50	-	-	*	
13C-PCB-157	1.62e+07	1.30 y	44:51	1.14	88.6		2.50				88.6
PCB-169	9.23e+06	1.27 y	46:43	1.20	49.3		2.50	-	-	*	
13C-PCB-169	1.55e+07	1.30 y	46:43	1.17	83.2		2.50				83.2
PCB-188	7.54e+06	1.08 y	39:40	1.21	49.4		2.50	-	-	*	
13C-PCB-188	1.26e+07	1.07 y	39:40	0.86	91.3		2.50				91.3
PCB-189	6.19e+06	1.09 y	48:23	1.21	50.3		2.50	-	-	*	
13C-PCB-189	1.01e+07	1.08 y	48:23	0.88	72.2		2.50				72.2
PCB-202	5.35e+06	0.92 y	44:48	1.16	51.6		2.50	-	-	*	
13C-PCB-202	8.93e+06	0.95 y	44:46	0.68	82.7		2.50				82.7
13C-PCB-178	8.76e+06	1.09 y	42:18	0.70	77.9		2.50				77.9
13C-PCB-138	1.60e+07	1.29 y	41:30	-	40.4		2.50				

FAL ID: 05481-001-0001-OPR Filename: 20OCT20Z Sam:2 Acquired: 20-OCT-20 09:37:51 ICal: DAILY209FAL4-10-20-202 of 2
Client ID: OPR ConCal: ST102020Z1 EndCal: ST102020Z2
Results: GC Column: DB1MS Amount: 1.000

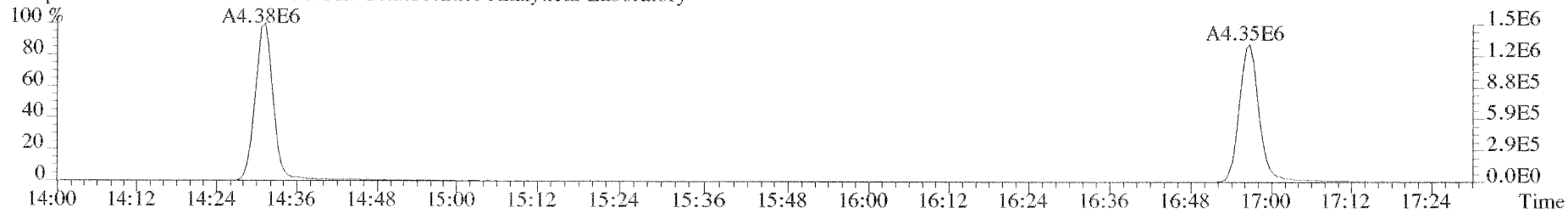
PCB-205	8.93e+06	0.87 y	50:03	1.12	49.8	2.50	-	-	*	
13C-PCB-205	1.60e+07	0.90 y	50:03	1.22	92.9	2.50				92.9
PCB-208	6.79e+06	1.35 y	49:08	1.11	49.1	2.50	-	-	*	
13C-PCB-208	1.25e+07	0.84 y	49:06	0.98	90.7	2.50				90.7
PCB-206	5.43e+06	1.35 y	51:15	1.16	50.3	2.50	-	-	*	
13C-PCB-206	9.31e+06	0.82 y	51:14	0.75	88.3	2.50				88.3
PCB-209	5.78e+06	1.19 y	52:25	1.22	51.1	2.50	-	-	*	
13C-PCB-209	9.26e+06	1.22 y	52:25	0.80	82.7	2.50				82.7
13C-PCB-194	1.40e+07	0.90 y	49:48	-	33.7	2.50				

Analyst: _____ Date: 10/20/20

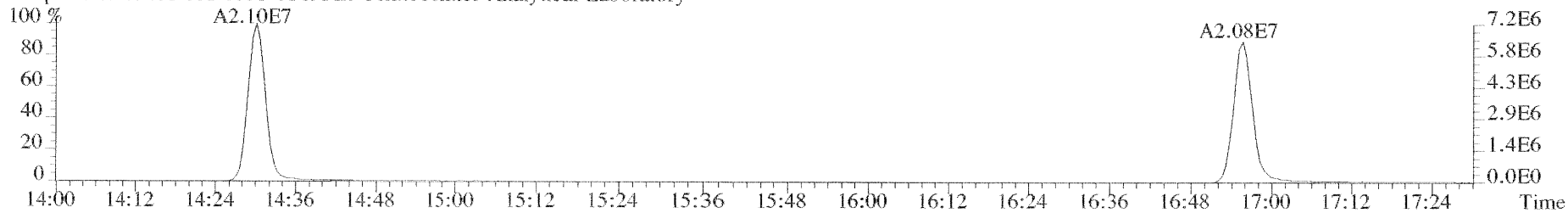
File:20OCT20Z #1-783 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



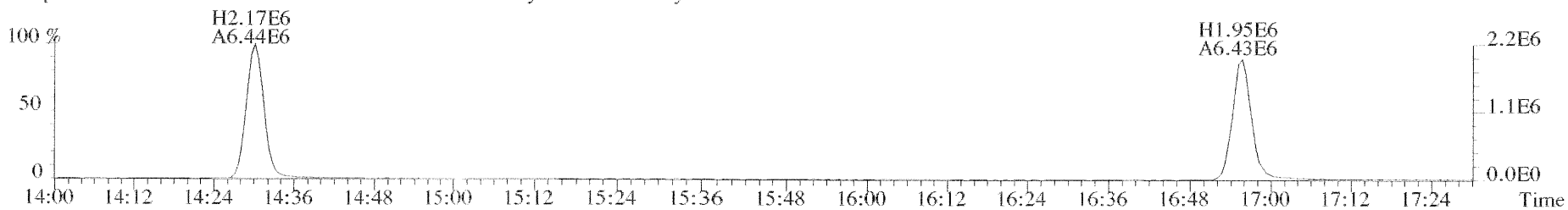
File:20OCT20Z #1-783 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



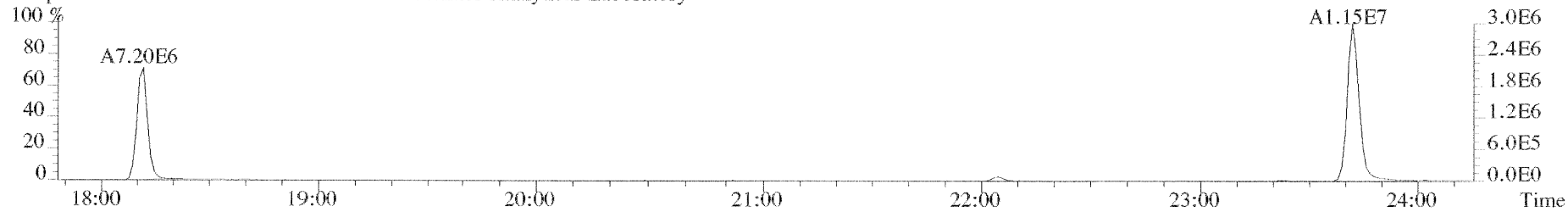
File:20OCT20Z #1-783 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



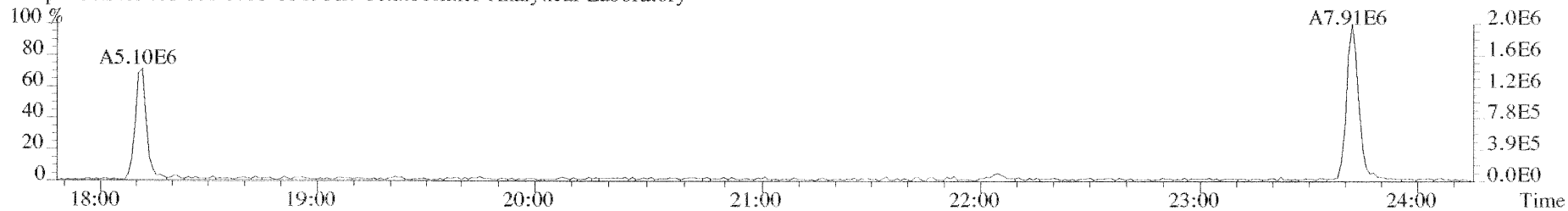
File:20OCT20Z #1-783 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



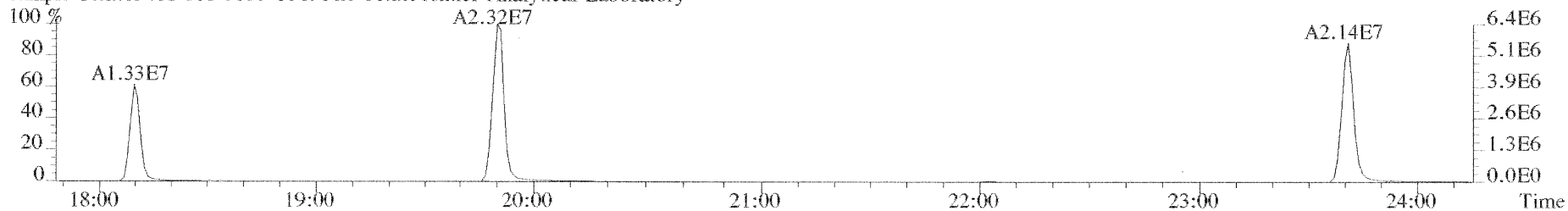
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



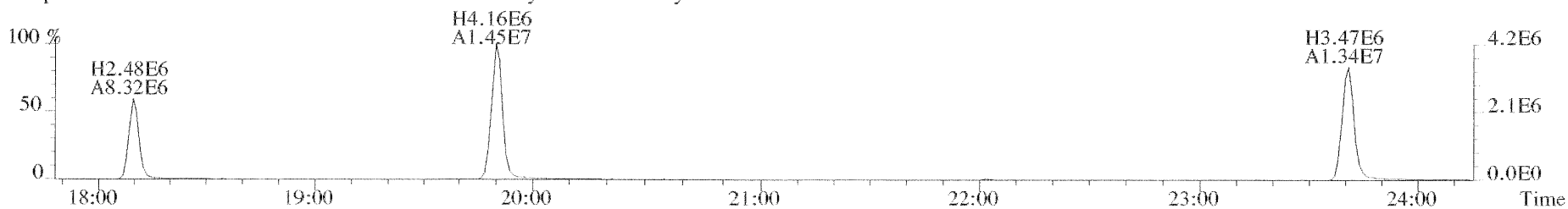
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



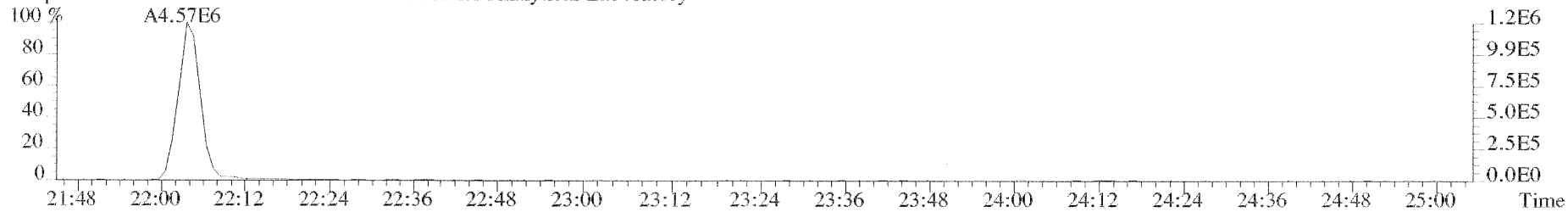
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



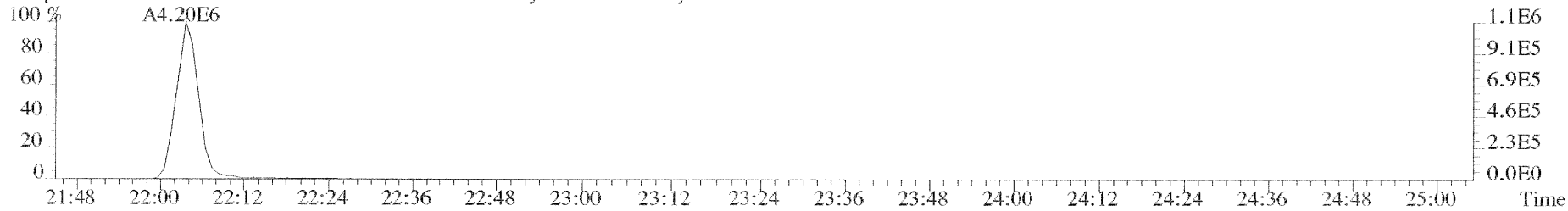
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



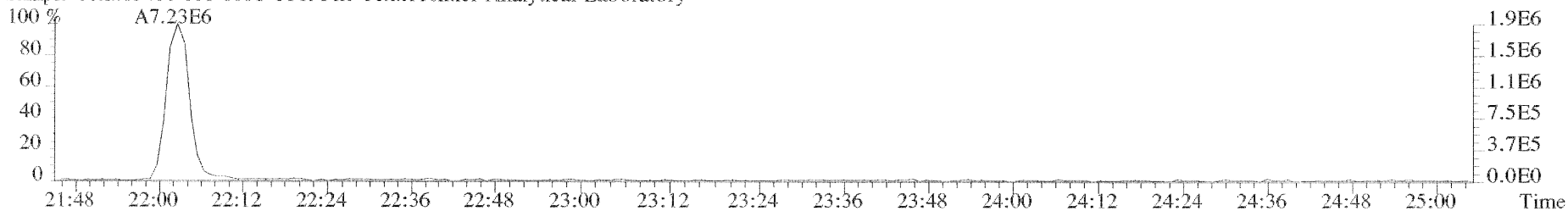
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



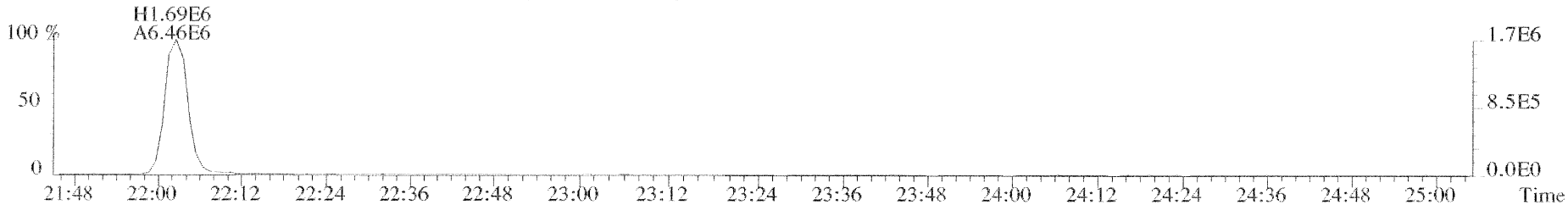
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



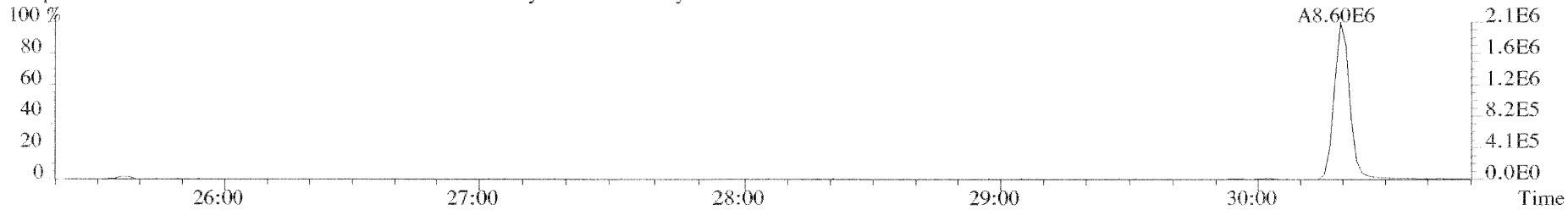
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



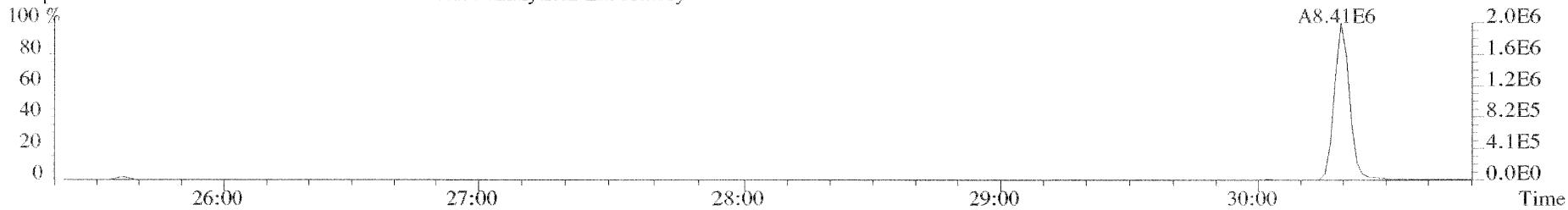
File:20OCT20Z #1-467 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



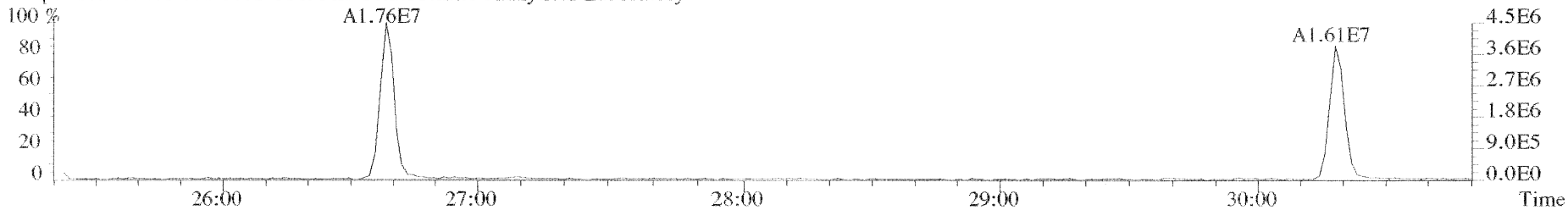
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



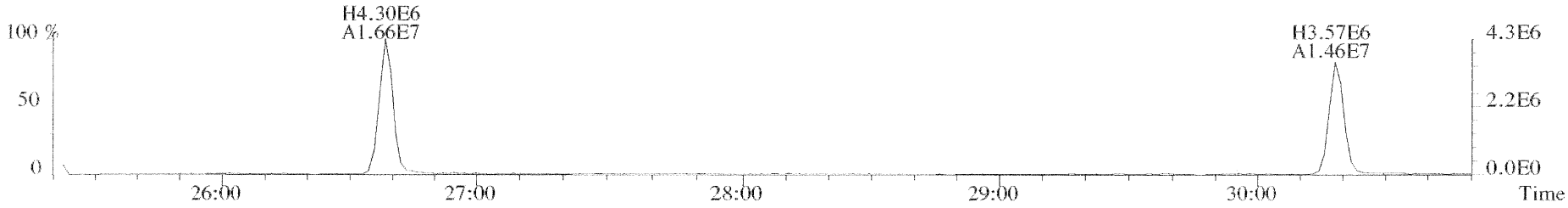
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



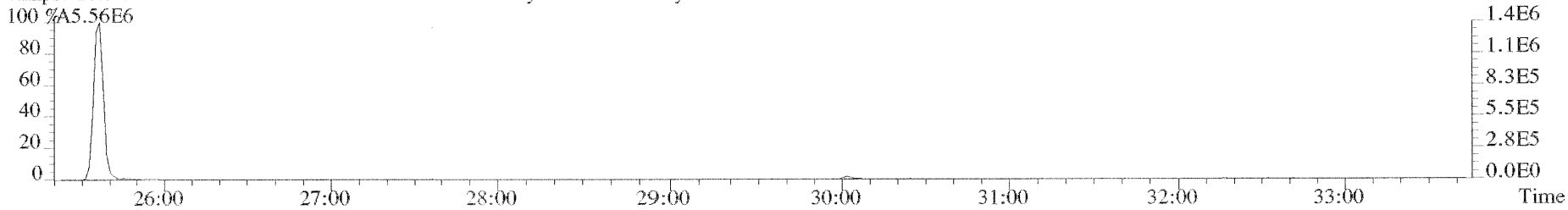
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



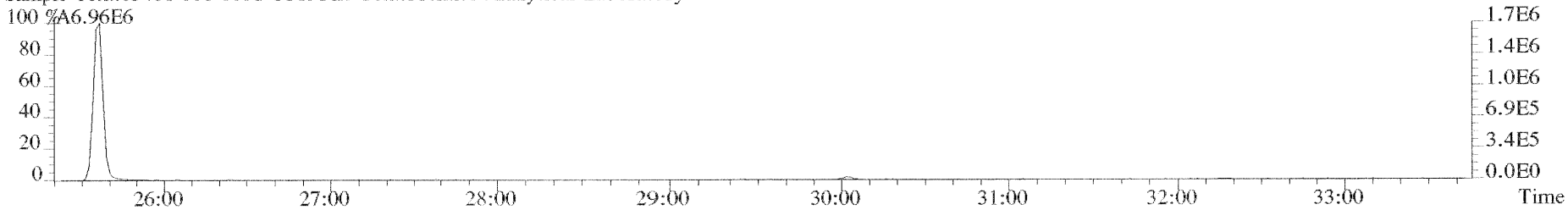
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



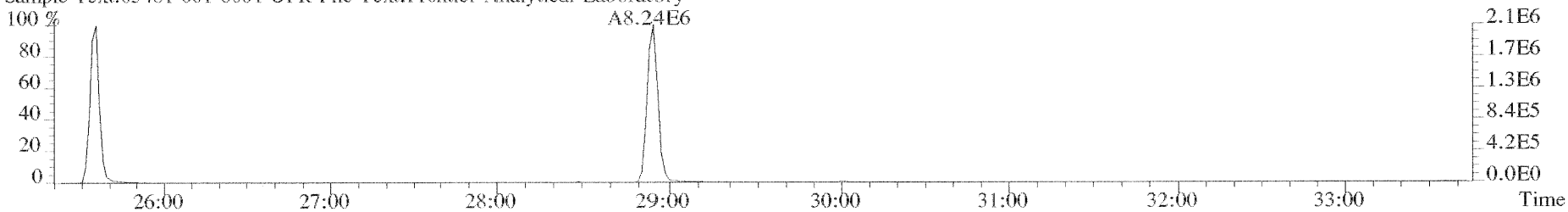
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



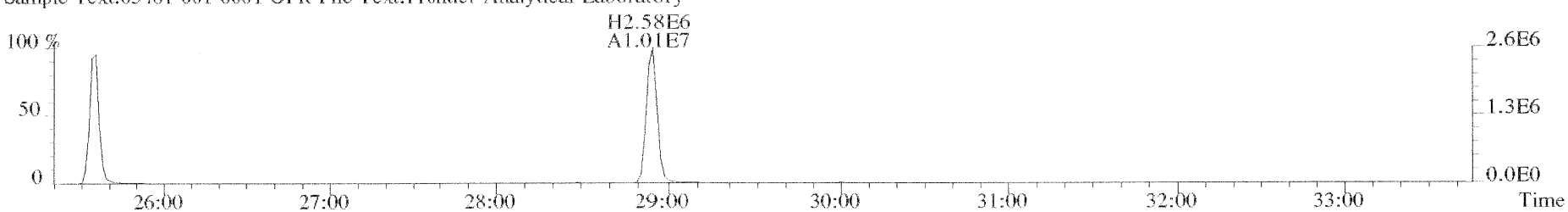
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



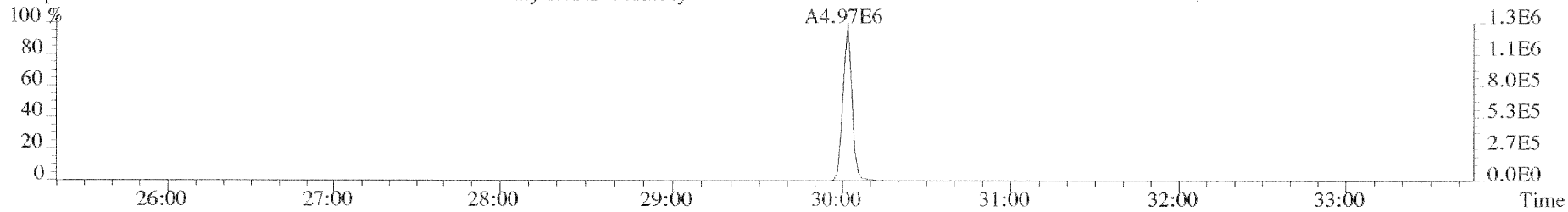
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



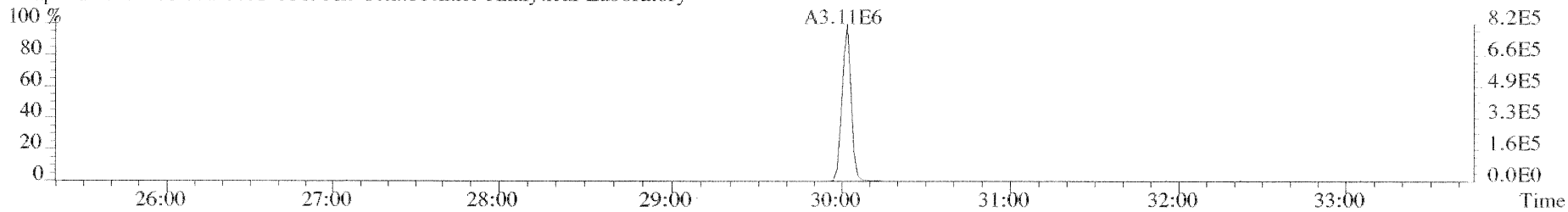
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



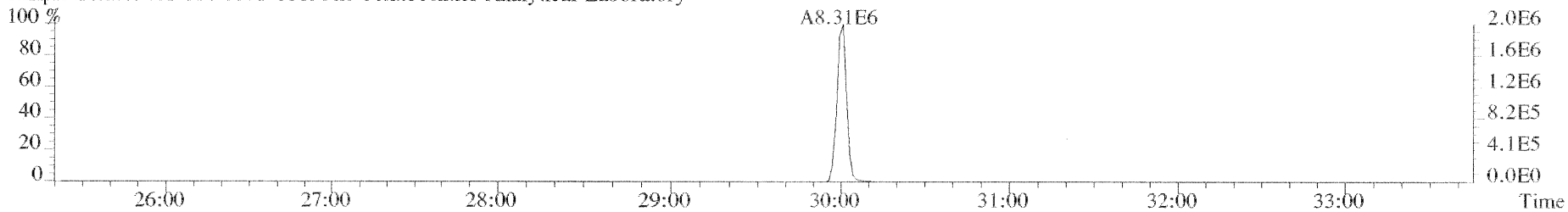
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



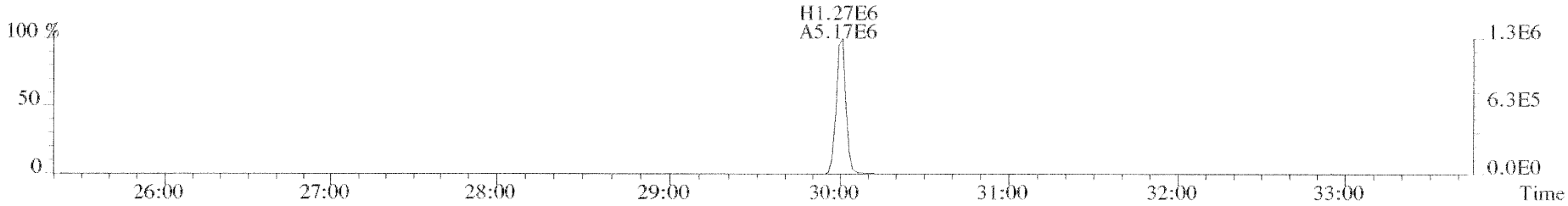
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



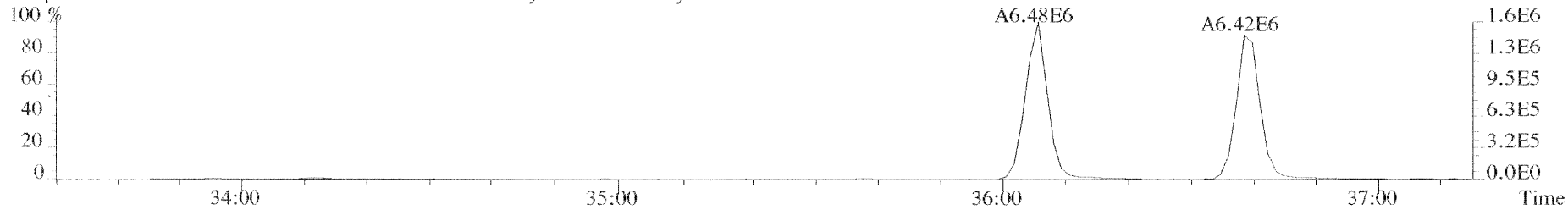
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



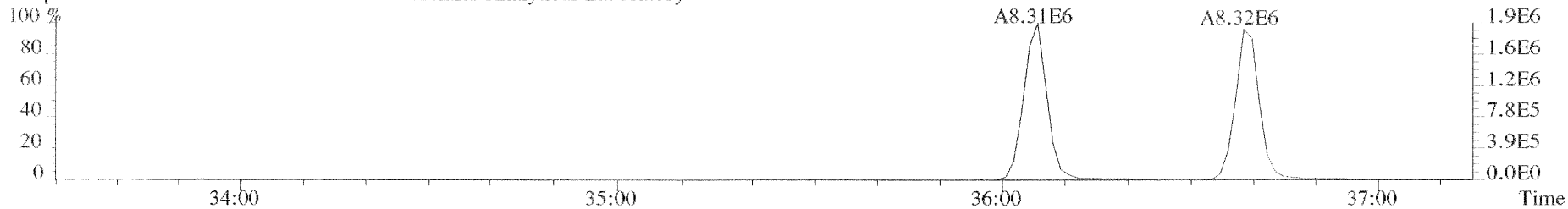
File:20OCT20Z #1-397 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



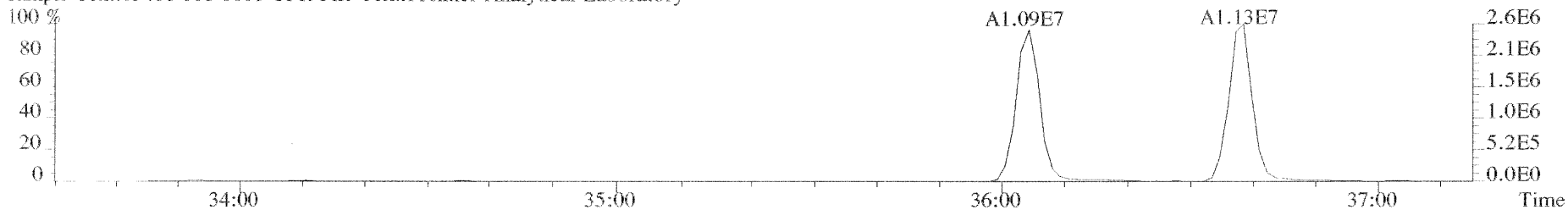
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



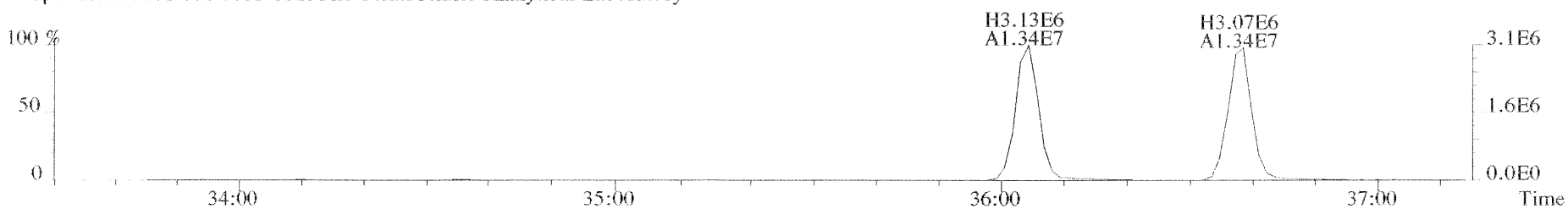
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



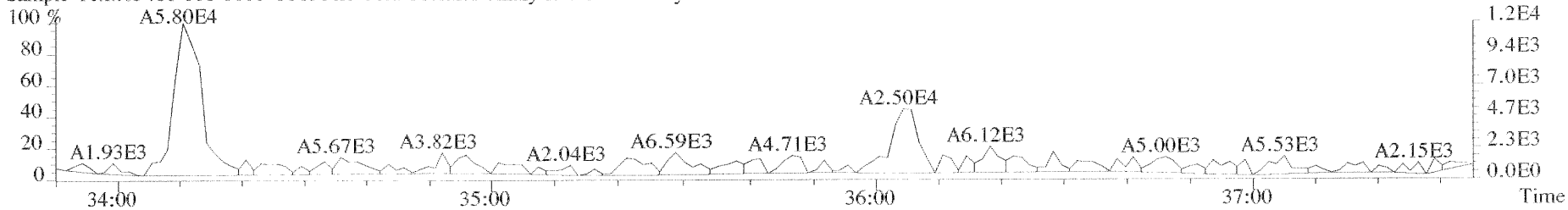
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



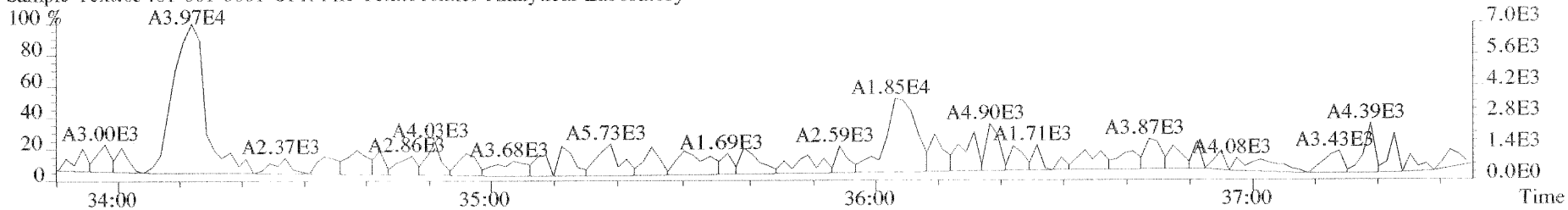
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



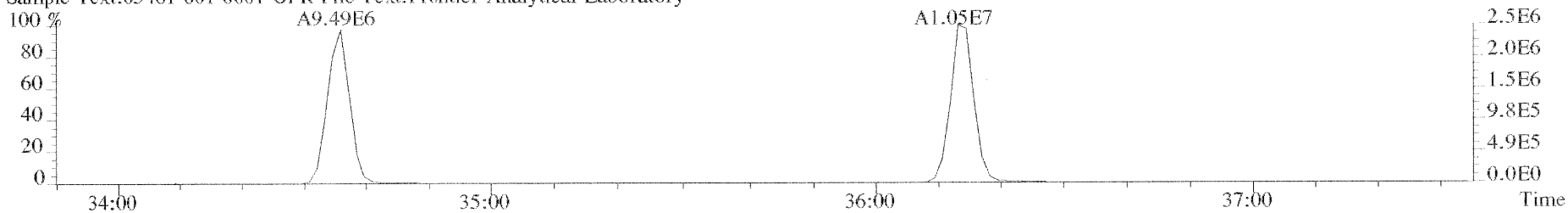
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



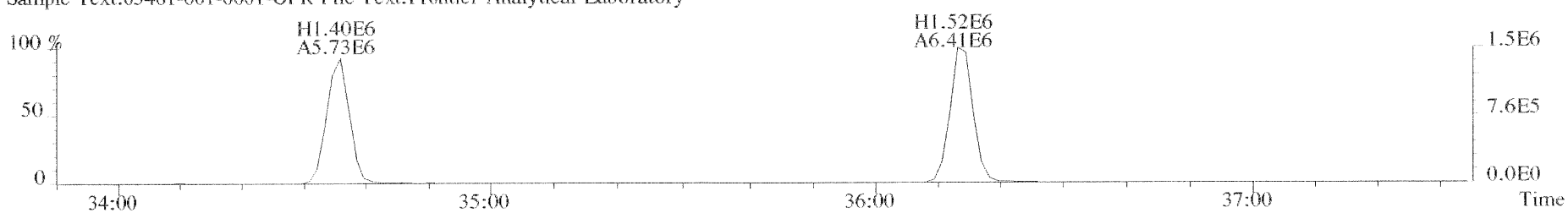
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



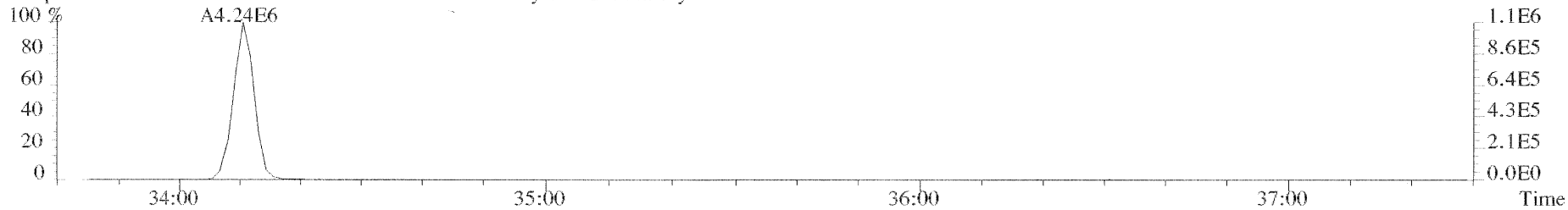
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



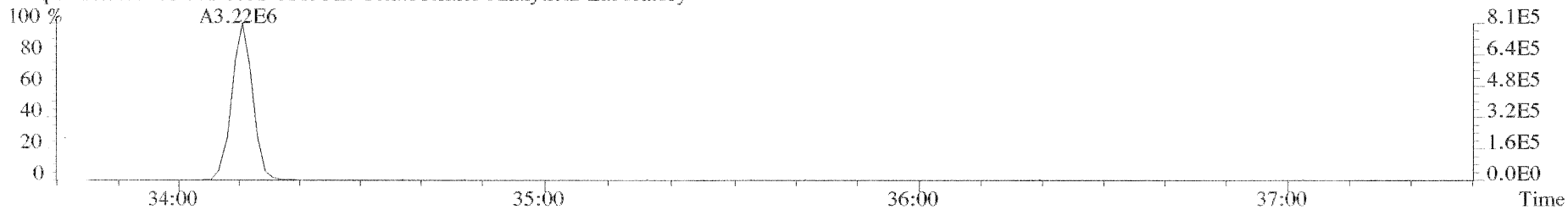
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



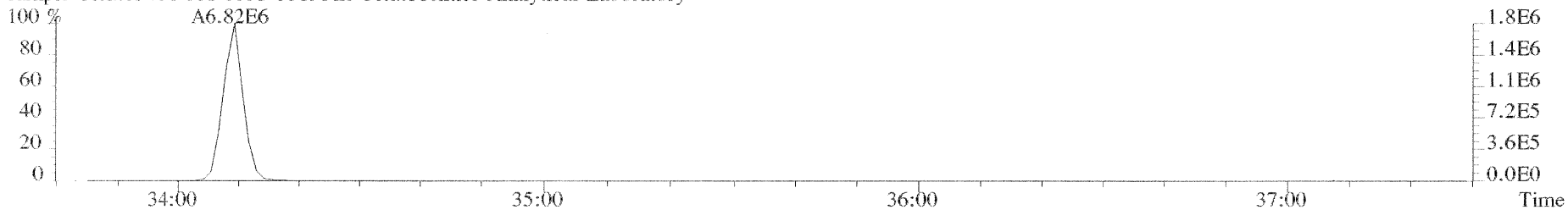
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



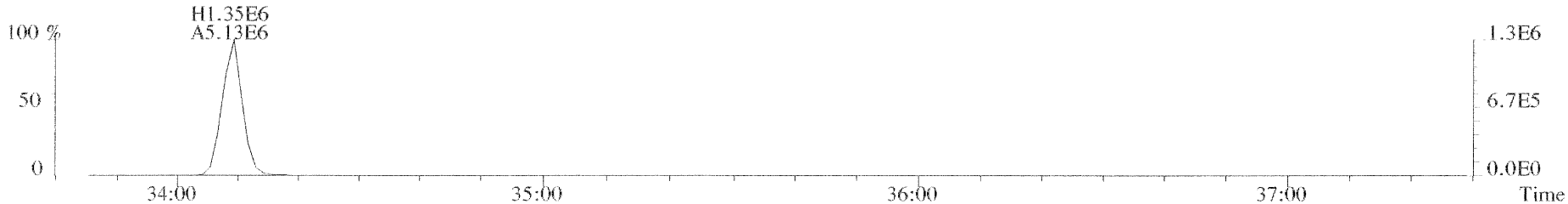
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



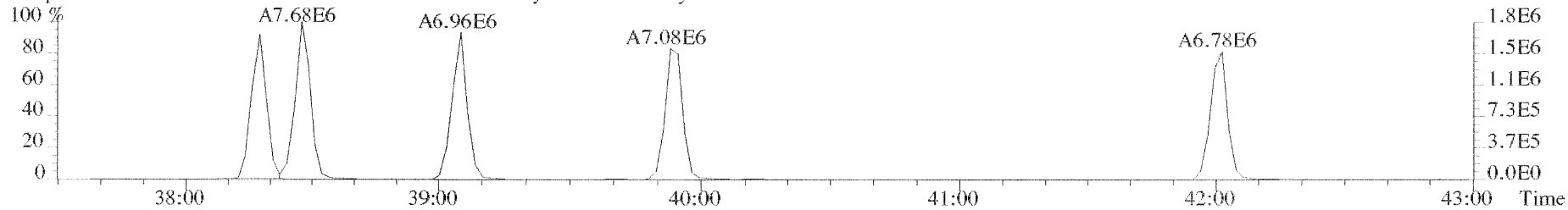
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



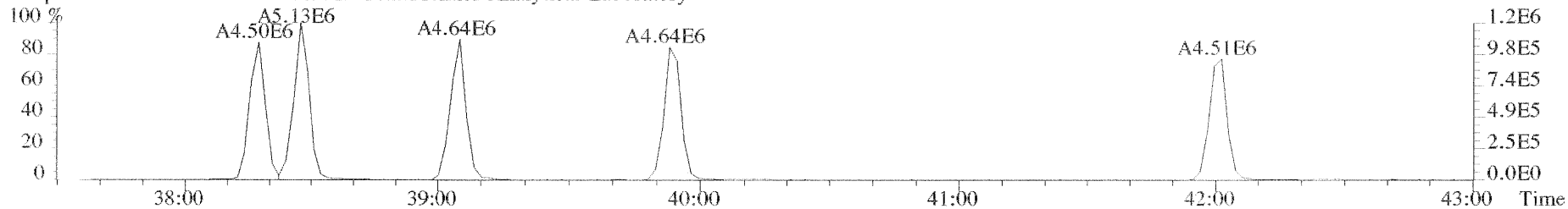
File:20OCT20Z #1-183 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



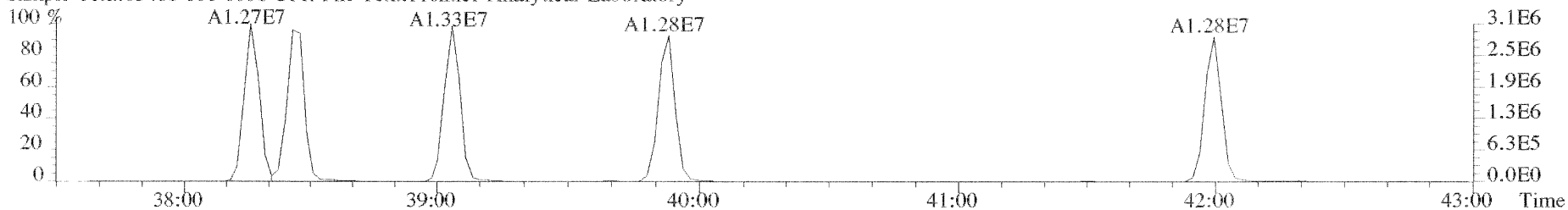
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



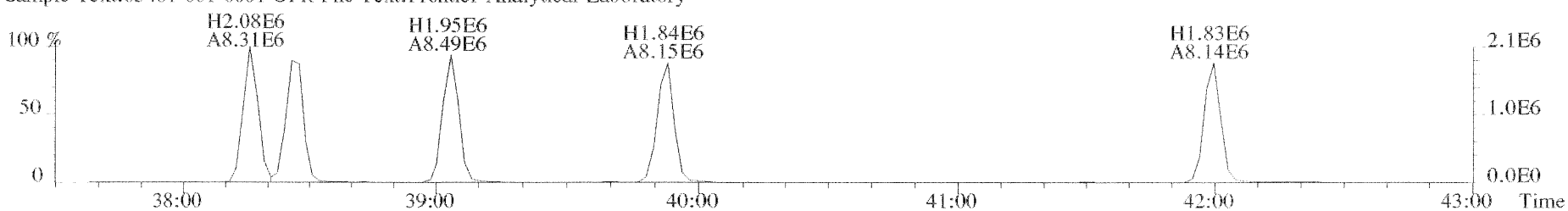
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



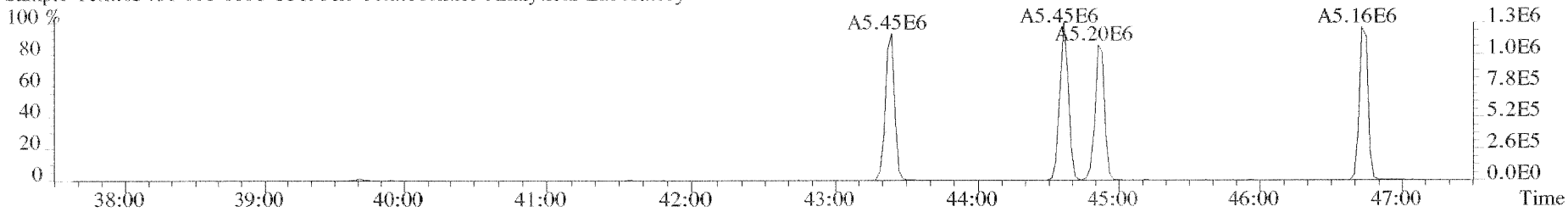
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



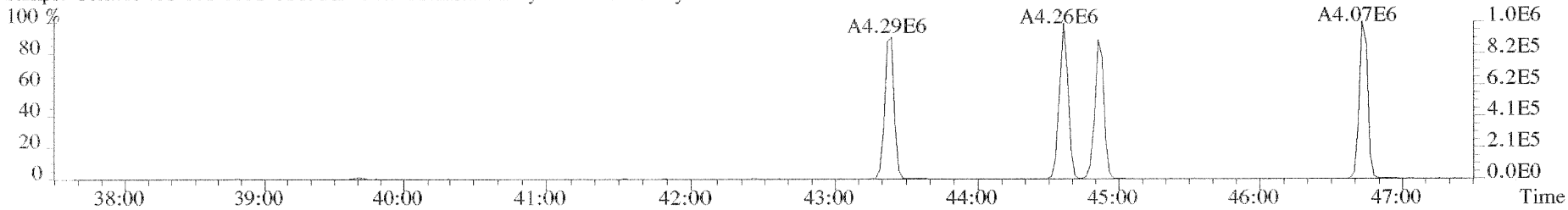
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



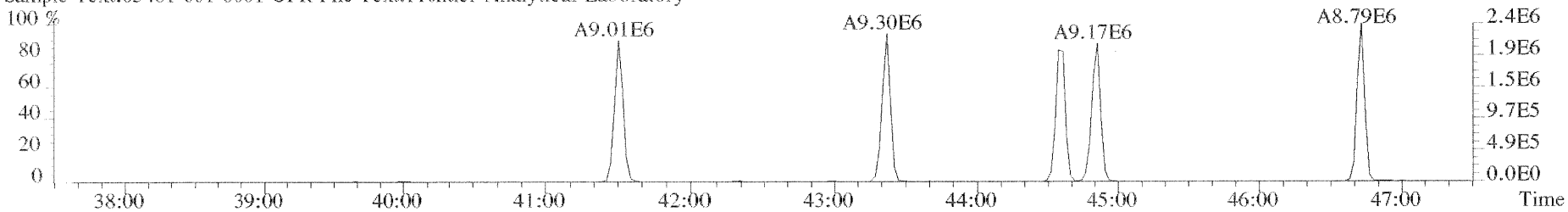
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



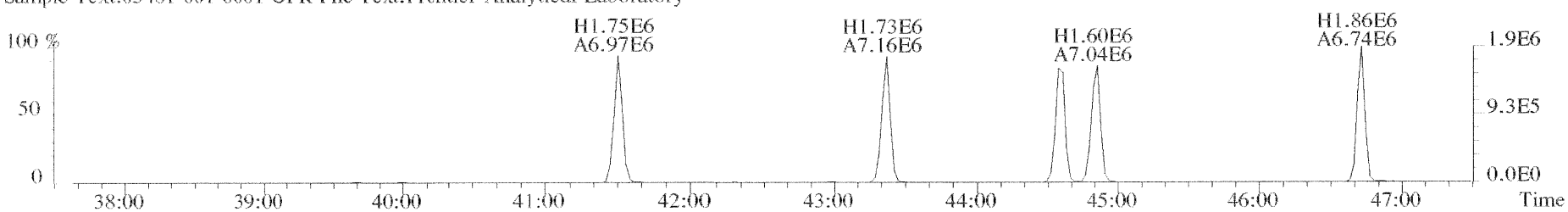
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



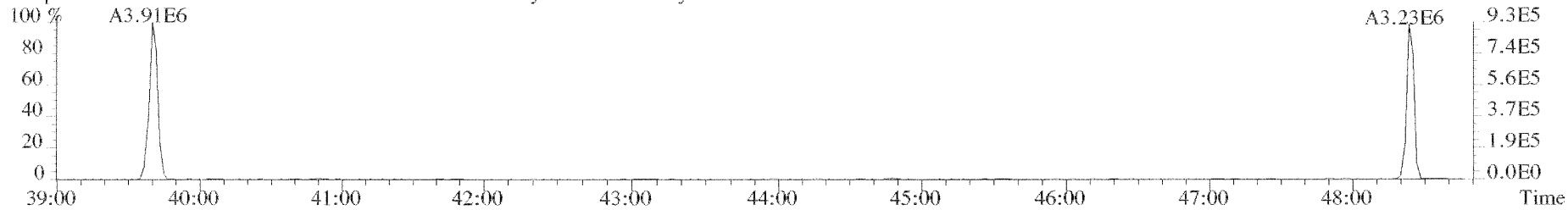
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



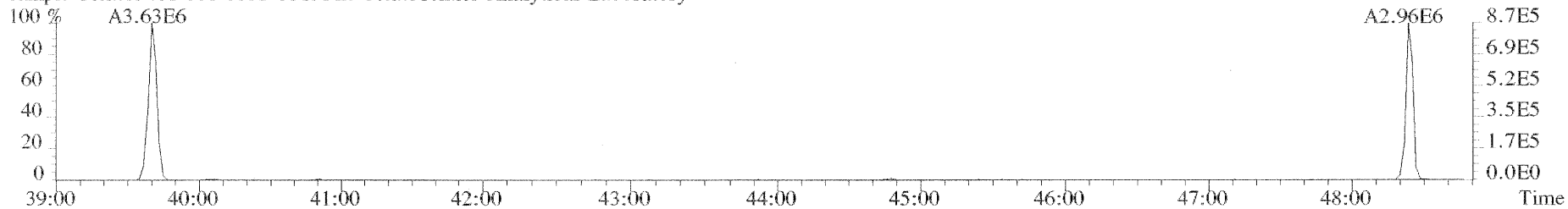
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



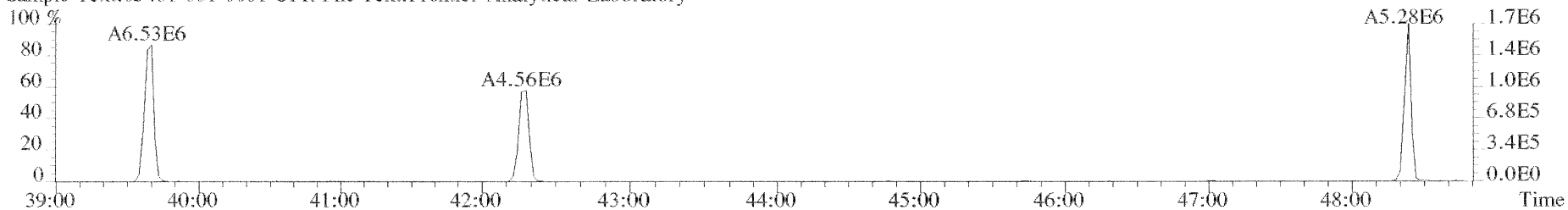
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



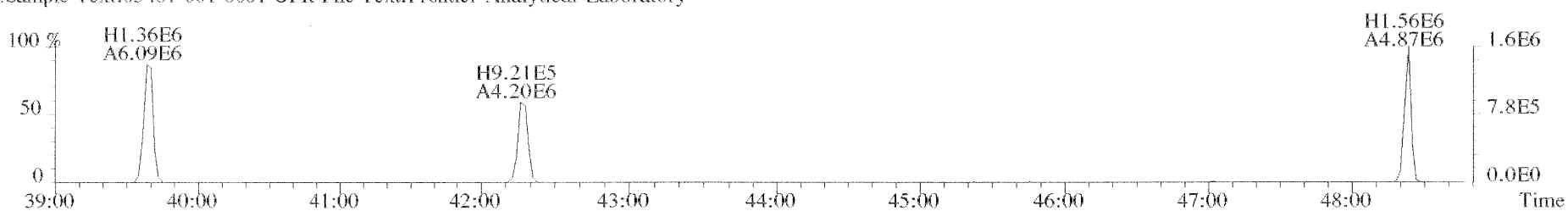
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



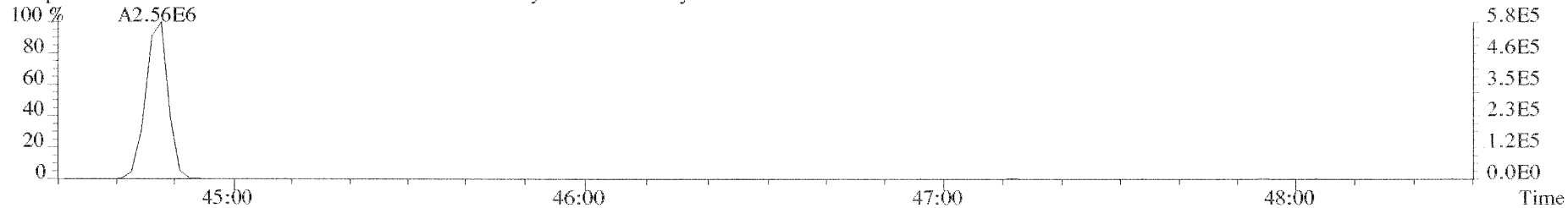
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



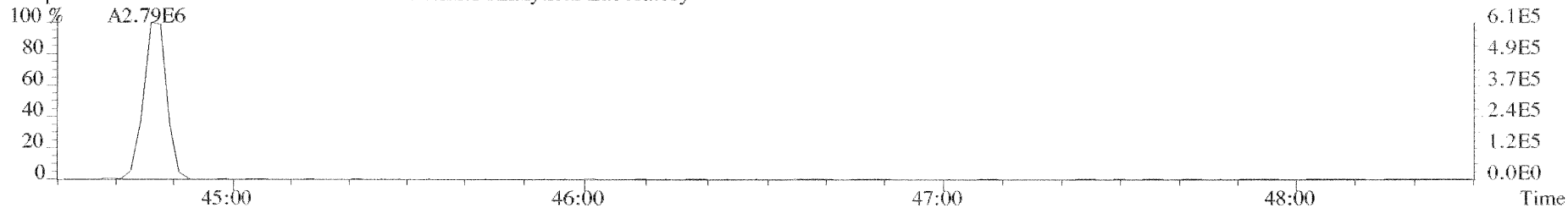
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



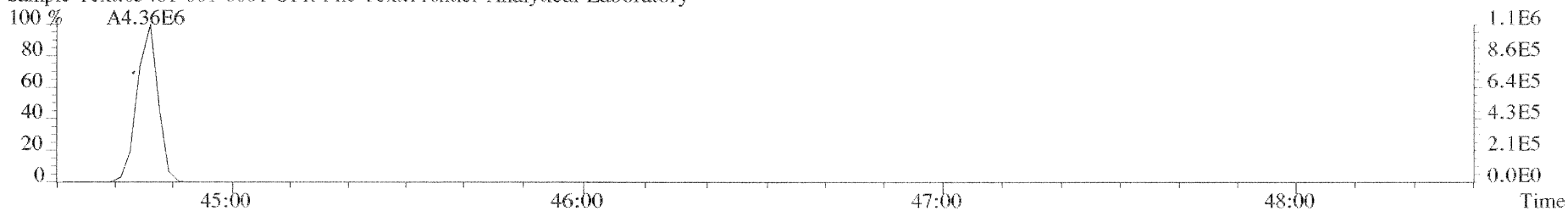
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



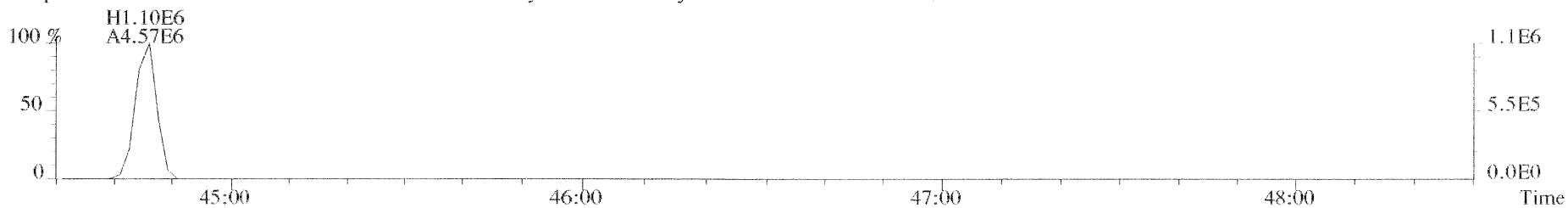
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



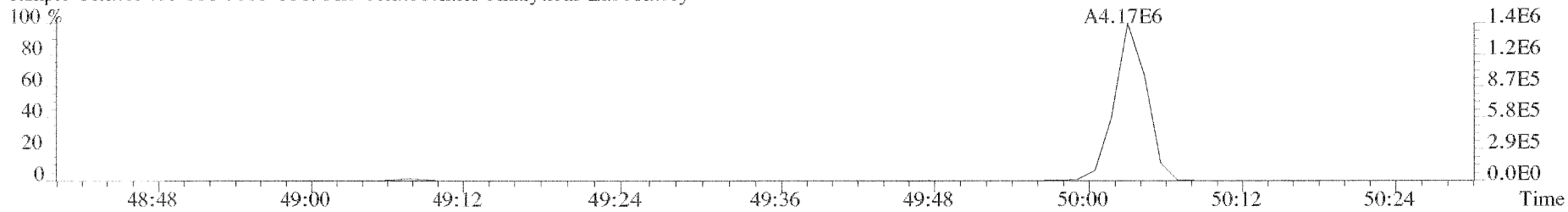
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



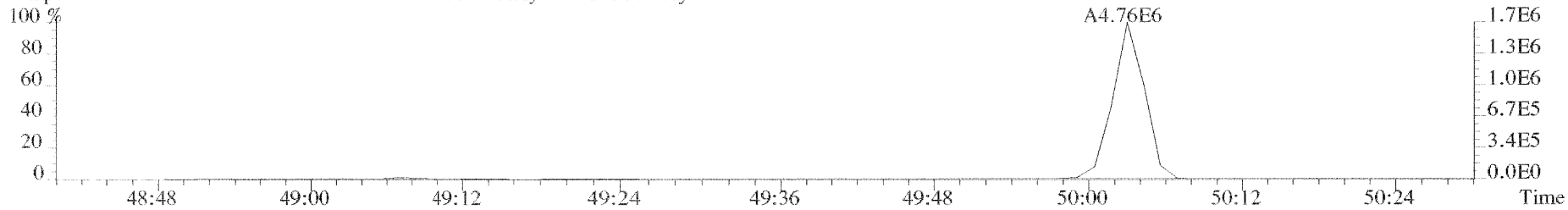
File:20OCT20Z #1-407 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



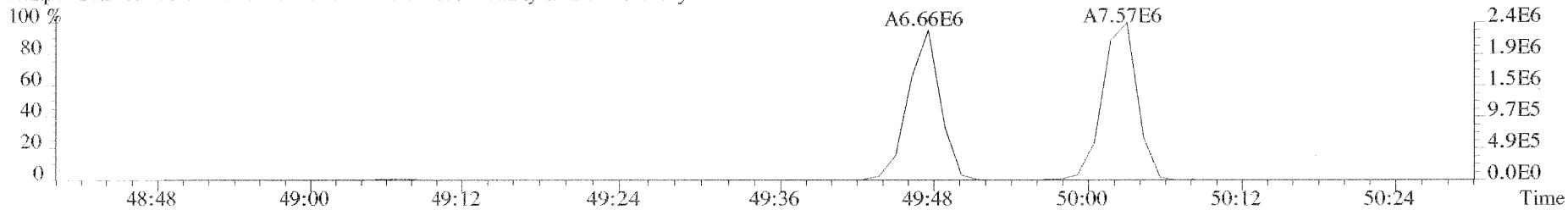
File:20OCT20Z #1-300 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



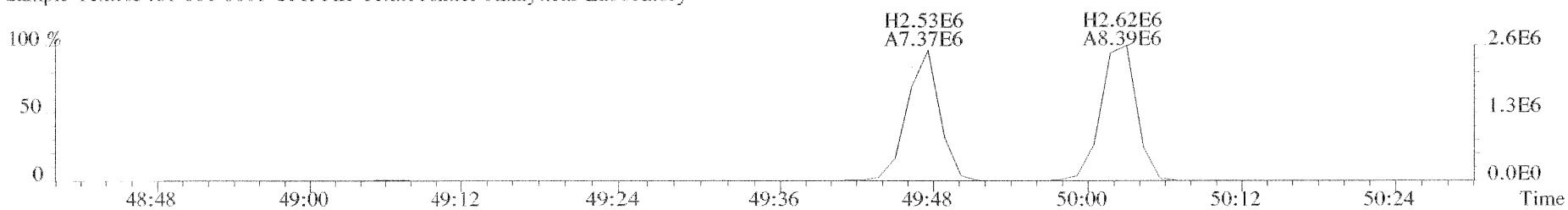
File:20OCT20Z #1-300 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



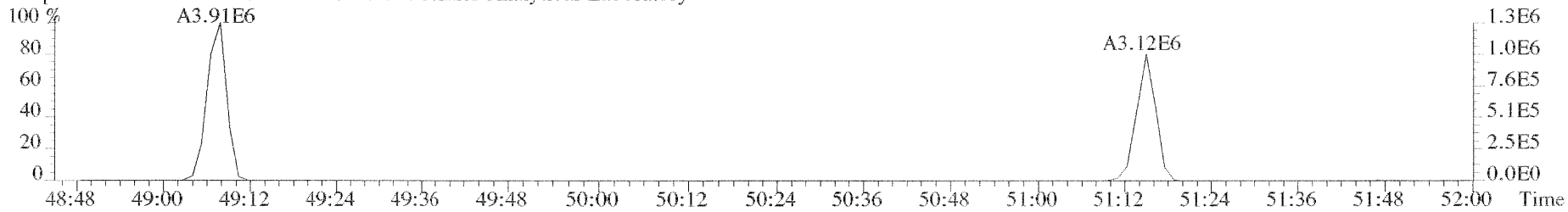
File:20OCT20Z #1-300 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



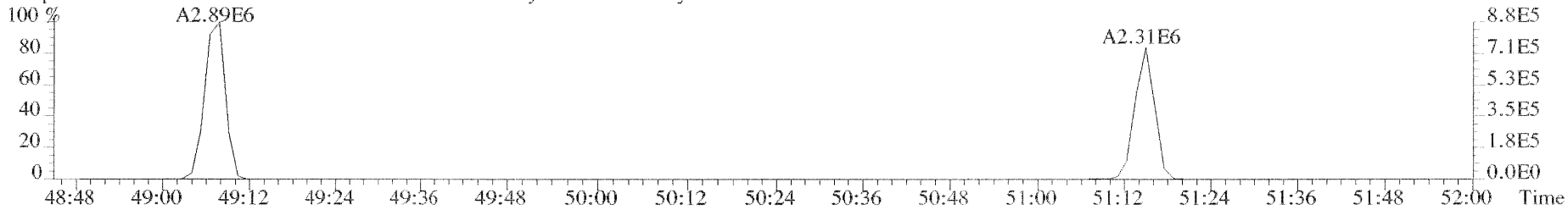
File:20OCT20Z #1-300 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



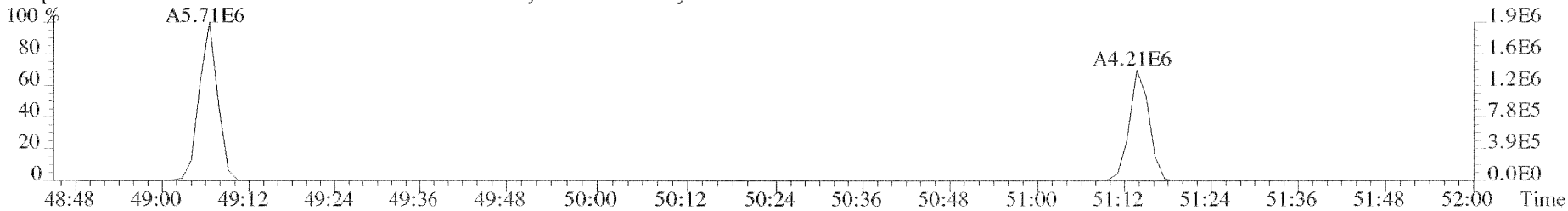
File:20OCT20Z #1-301 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



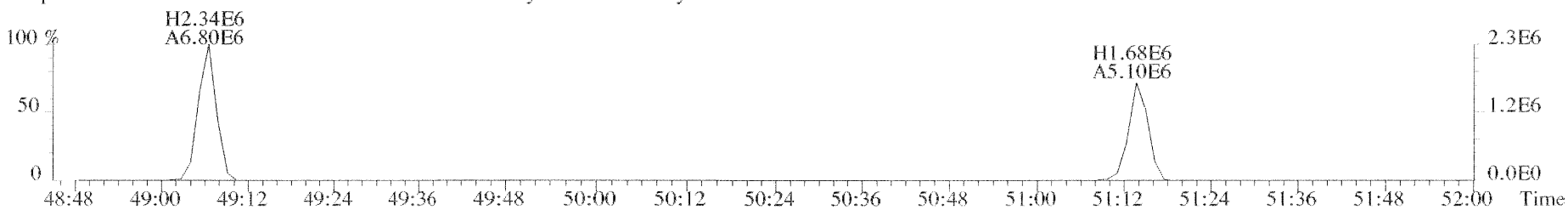
File:20OCT20Z #1-301 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



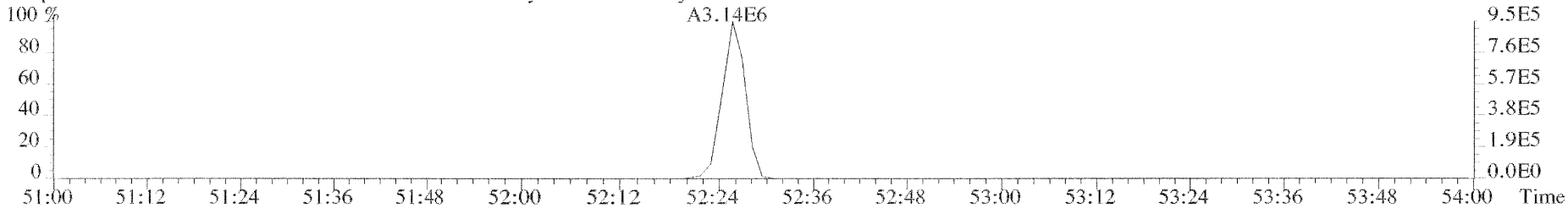
File:20OCT20Z #1-301 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



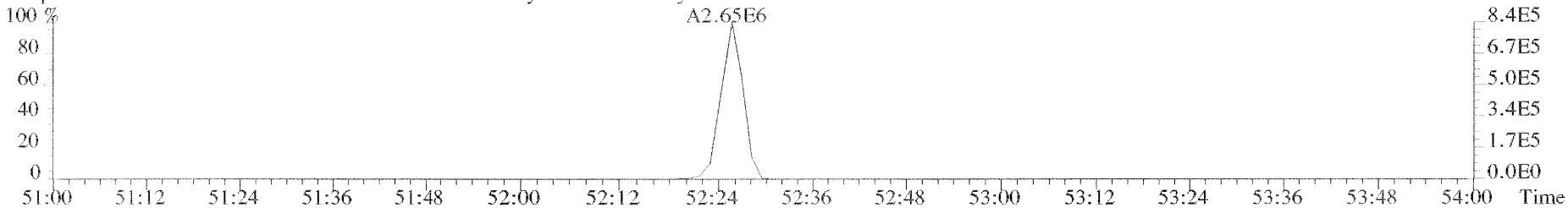
File:20OCT20Z #1-301 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



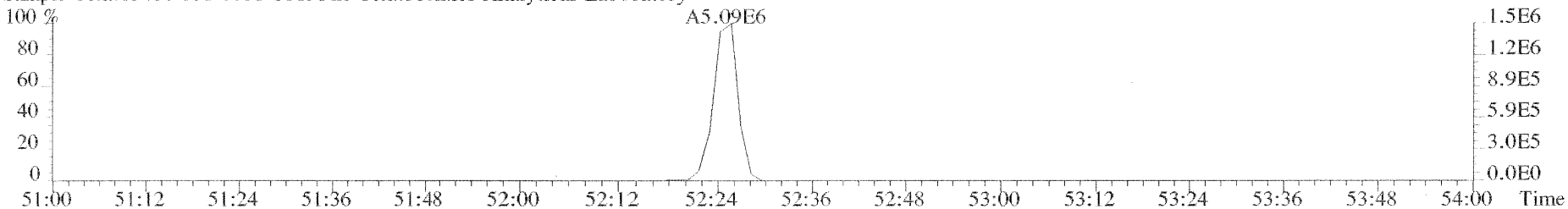
File:20OCT20Z #1-302 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



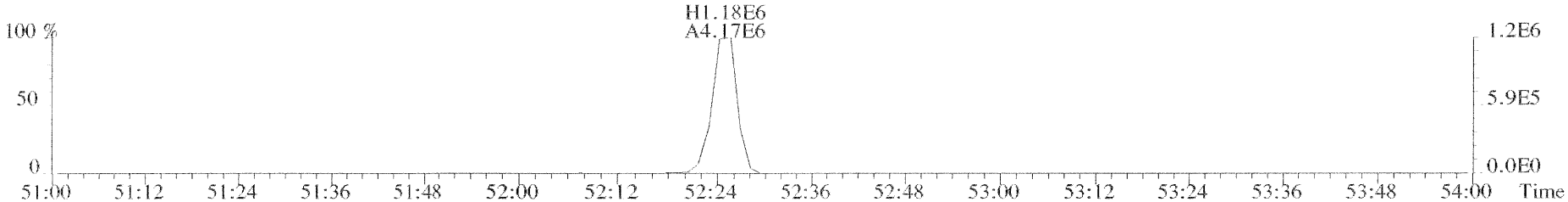
File:20OCT20Z #1-302 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-302 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-302 Acq:20-OCT-2020 09:37:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05481-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 05483-001-0001-MB Filename: 16OCT20Z Sam:8 Acquired: 16-OCT-20 14:37:16 ICal: DAILY209FAL4-10-16-20
Client ID: Method Blank ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.48	*		1060	920	7.54			
13C-PCB-1	1.41e+07	3.21 y	14:29	0.70	8800					88.0	3.45e+06	1.03e+06
PCB-2	*	* n	NotFnd	1.48	*		1060	920	8.07			
PCB-3	*	* n	NotFnd	1.47	*		1060	920	8.64			
13C-PCB-3	1.38e+07	3.25 y	16:56	0.68	8880					88.8	3.00e+06	9.14e+05
PCB-4	*	* n	NotFnd	1.02	*		840	1890	16.5			
PCB-10	*	* n	NotFnd	1.54	*		840	1890	9.54			
13C-PCB-4	1.36e+07	1.59 y	18:10	0.67	8890					88.9	2.49e+06	1.56e+06
PCB-9	*	* n	NotFnd	1.40	*		840	1890	10.5			
PCB-7	*	* n	NotFnd	1.47	*		840	1890	10.0			
PCB-6	*	* n	NotFnd	1.39	*		840	1890	10.6			
PCB-8	*	* n	NotFnd	1.40	*		840	1890	10.5			
PCB-5	*	* n	NotFnd	1.44	*		840	1890	10.2			
PCB-14	*	* n	NotFnd	1.39	*		840	1890	10.5			
PCB-11	*	* n	NotFnd	1.30	*		840	1890	11.3			
PCB-13	*	* n	NotFnd	1.35	*		840	1890	10.8			
PCB-12	*	* n	NotFnd	1.31	*		840	1890	11.2			
PCB-15	*	* n	NotFnd	1.23	*		840	1890	10.8			
13C-PCB-15	2.07e+07	1.60 y	23:41	0.99	9100					91.0	3.22e+06	1.95e+06
PCB-19	*	* n	NotFnd	1.37	*		710	356	9.80			
PCB-30	*	* n	NotFnd	2.00	*		710	356	6.74			
PCB-18	*	* n	NotFnd	1.42	*		710	356	9.48			
PCB-17	*	* n	NotFnd	1.52	*		710	356	8.86			
PCB-27	*	* n	NotFnd	1.97	*		710	356	6.84			
PCB-24	*	* n	NotFnd	1.97	*		710	356	6.82			
PCB-16	*	* n	NotFnd	1.70	*		710	356	7.94			
PCB-32	*	* n	NotFnd	1.77	*		710	356	7.60			
13C-PCB-19	7.11e+06	1.09 y	22:03	0.37	8390					83.9	1.01e+06	9.73e+05
13C-PCB-9	2.29e+07	1.62 y	19:50	-	37.5							
PCB-34	*	* n	NotFnd	1.20	*		954	484	7.73			
PCB-23	*	* n	NotFnd	1.16	*		954	484	8.00			
PCB-29	*	* n	NotFnd	1.21	*		954	484	7.64			
PCB-26	*	* n	NotFnd	1.18	*		954	484	7.85			
PCB-25	*	* n	NotFnd	1.14	*		954	484	8.16			
PCB-31	*	* n	NotFnd	1.16	*		954	484	8.00			
PCB-28	*	* n	NotFnd	1.44	*		954	484	6.41			
PCB-20	*	* n	NotFnd	1.18	*		954	484	7.82		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.18	*		954	484	7.82		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.18	*		954	484	7.82		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.29	*		954	484	7.18			
PCB-36	*	* n	NotFnd	1.20	*		954	484	7.69			
PCB-39	*	* n	NotFnd	1.24	*		954	484	7.48			
PCB-38	*	* n	NotFnd	1.23	*		954	484	7.54			
PCB-35	*	* n	NotFnd	1.16	*		954	484	7.96			
PCB-37	*	* n	NotFnd	1.21	*		954	484	7.65			
13C-PCB-37	1.81e+07	1.08 y	30:18	1.83	9470					94.7	2.01e+06	1.87e+06

PCB-54	*	*	n	NotFnd	1.41	*	321	621	5.29				
PCB-50	*	*	n	NotFnd	1.12	*	321	621	6.63				
PCB-53	*	*	n	NotFnd	1.11	*	321	621	6.73				
PCB-51	*	*	n	NotFnd	1.15	*	321	621	6.44				
PCB-45	*	*	n	NotFnd	0.97	*	321	621	7.65				
PCB-46	*	*	n	NotFnd	0.94	*	321	621	7.92				
PCB-52	*	*	n	NotFnd	1.15	*	321	621	6.45	Co-elute PCB 69			
PCB-69	*	*	n	NotFnd	1.15	*	321	621	6.45	Co-elute PCB 52			
PCB-73	*	*	n	NotFnd	1.52	*	321	621	4.90				
PCB-43	*	*	n	NotFnd	1.06	*	321	621	6.99	Co-elute PCB 49			
PCB-49	*	*	n	NotFnd	1.06	*	321	621	6.99	Co-elute PCB 43			
PCB-47	*	*	n	NotFnd	1.13	*	321	621	6.56				
PCB-48	*	*	n	NotFnd	1.36	*	321	621	5.49	Co-elute PCB 75			
PCB-75	*	*	n	NotFnd	1.36	*	321	621	5.49	Co-elute PCB 48			
PCB-65	*	*	n	NotFnd	1.45	*	321	621	5.13				
PCB-62	*	*	n	NotFnd	1.28	*	321	621	5.80				
PCB-44	*	*	n	NotFnd	0.92	*	321	621	8.05				
PCB-42	*	*	n	NotFnd	1.20	*	321	621	6.23	Co-elute PCB 59			
PCB-59	*	*	n	NotFnd	1.20	*	321	621	6.23	Co-elute PCB 42			
PCB-72	*	*	n	NotFnd	1.36	*	321	621	5.48	Co-elute PCB 41/71/64			
PCB-41	*	*	n	NotFnd	1.36	*	321	621	5.48	Co-elute PCB 72/71/64			
PCB-71	*	*	n	NotFnd	1.36	*	321	621	5.48	Co-elute PCB 72/41/64			
PCB-64	*	*	n	NotFnd	1.36	*	321	621	5.48	Co-elute PCB 72/41/71			
PCB-68	*	*	n	NotFnd	1.55	*	321	621	4.79				
PCB-40	*	*	n	NotFnd	0.87	*	321	621	8.56				
PCB-57	*	*	n	NotFnd	1.46	*	321	621	5.10				
PCB-67	*	*	n	NotFnd	1.46	*	321	621	5.08				
PCB-58	*	*	n	NotFnd	1.45	*	321	621	5.12				
PCB-63	*	*	n	NotFnd	1.49	*	321	621	4.99				
PCB-74	*	*	n	NotFnd	1.48	*	321	621	5.03				
PCB-61	*	*	n	NotFnd	1.34	*	321	621	5.57	Co-elute PCB 70			
PCB-70	*	*	n	NotFnd	1.34	*	321	621	5.57	Co-elute PCB 61			
PCB-76	*	*	n	NotFnd	1.53	*	321	621	4.85	Co-elute PCB 66			
PCB-66	*	*	n	NotFnd	1.53	*	321	621	4.85	Co-elute PCB 76			
PCB-80	*	*	n	NotFnd	1.74	*	321	621	4.27				
PCB-55	*	*	n	NotFnd	1.52	*	321	621	4.91				
13C-PCB-54	1.16e+07	0.82	y	25:35	1.13	9870					98.7	1.42e+06	1.74e+06
PCB-104	*	*	n	NotFnd	1.26	*	286	324	6.86				
PCB-96	*	*	n	NotFnd	1.23	*	286	324	7.01				
PCB-103	*	*	n	NotFnd	1.05	*	286	324	8.24				
PCB-100	*	*	n	NotFnd	1.05	*	286	324	8.20				
PCB-94	*	*	n	NotFnd	0.89	*	286	324	9.74				
PCB-98	*	*	n	NotFnd	0.90	*	286	324	9.63	Co-elute PCB 102			
PCB-102	*	*	n	NotFnd	0.90	*	286	324	9.63	Co-elute PCB 98			
PCB-95	*	*	n	NotFnd	0.95	*	286	324	9.11				
PCB-93	*	*	n	NotFnd	0.94	*	286	324	9.16				
PCB-88	*	*	n	NotFnd	0.98	*	286	324	8.82	Co-elute PCB 91			
PCB-91	*	*	n	NotFnd	0.98	*	286	324	8.82	Co-elute PCB 88			
PCB-121	*	*	n	NotFnd	1.25	*	286	324	6.91				
13C-PCB-104	6.83e+06	1.61	y	30:01	0.74	8870					88.7	1.09e+06	6.73e+05
13C-PCB-28	2.08e+07	1.05	y	26:38	2.17	9200					92.0	2.57e+06	2.43e+06
13C-PCB-52	1.04e+07	0.81	y	28:55	-	35.4							

PCB-56	*	*	n	NotFnd	1.22	*	696	840	8.36			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.22	*	696	840	8.36			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.29	*	696	840	7.92			
PCB-78	*	*	n	NotFnd	1.26	*	696	840	8.08			
PCB-81	*	*	n	NotFnd	1.34	*	696	840	7.20			
13C-PCB-81	1.55e+07	0.82	y	36:04	1.76	9610				96.1	1.77e+06	2.22e+06
PCB-77	*	*	n	NotFnd	1.18	*	696	840	9.20			
13C-PCB-77	1.45e+07	0.80	y	36:38	1.84	8620				86.2	1.60e+06	1.94e+06
PCB-155	*	*	n	NotFnd	1.16	*	354	335	7.10			
PCB-150	*	*	n	NotFnd	1.13	*	354	335	7.33			
PCB-152	*	*	n	NotFnd	1.11	*	354	335	7.42			
PCB-145	*	*	n	NotFnd	1.12	*	354	335	7.35			
PCB-136	*	*	n	NotFnd	1.07	*	354	335	7.71			
PCB-148	*	*	n	NotFnd	0.87	*	354	335	9.49			
PCB-154	*	*	n	NotFnd	0.94	*	354	335	8.74			
13C-PCB-155	7.84e+06	1.30	y	34:09	0.98	8740				87.4	1.16e+06	9.19e+05
13C-PCB-111	1.04e+07	1.58	y	36:14	1.26	9080				90.8	1.57e+06	9.81e+05
13C-PCB-101	9.15e+06	1.64	y	34:36	-	34.2						
PCB-84	*	*	n	NotFnd	0.65	*	370	351	7.45			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.65	*	370	351	7.45			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.64	*	370	351	7.47			
PCB-90	*	*	n	NotFnd	0.71	*	370	351	6.75			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.71	*	370	351	6.75			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.80	*	370	351	6.04			
PCB-99	*	*	n	NotFnd	0.82	*	370	351	5.90			
PCB-119	*	*	n	NotFnd	0.93	*	370	351	5.17			
PCB-83	*	*	n	NotFnd	0.73	*	370	351	6.57			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.73	*	370	351	6.57			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.87	*	370	351	5.50			
PCB-97	*	*	n	NotFnd	0.63	*	370	351	7.62			
PCB-86	*	*	n	NotFnd	0.61	*	370	351	7.84			
PCB-125	*	*	n	NotFnd	0.84	*	370	351	5.70			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.84	*	370	351	5.70			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.84	*	370	351	5.70			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.92	*	370	351	5.25			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.92	*	370	351	5.25			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.78	*	370	351	6.15			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.78	*	370	351	6.15			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.98	*	370	351	4.92			
PCB-110	*	*	n	NotFnd	0.91	*	370	351	5.29			
PCB-82	*	*	n	NotFnd	0.57	*	370	351	8.49			
PCB-124	*	*	n	NotFnd	1.17	*	456	551	5.75			
PCB-108	*	*	n	NotFnd	1.17	*	456	551	5.74			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.17	*	456	551	5.74			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.13	*	456	551	5.71			
13C-PCB-123	1.49e+07	1.58	y	38:16	1.42	9810				98.1	2.39e+06	1.52e+06
PCB-118	*	*	n	NotFnd	1.15	*	456	551	5.96			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.15	*	456	551	5.96			Co-elute PCB 118
13C-PCB-118	1.55e+07	1.61	y	38:26	1.57	9210				92.1	2.23e+06	1.42e+06
PCB-114	*	*	n	NotFnd	1.20	*	456	551	5.22			
13C-PCB-114	1.55e+07	1.63	y	39:04	1.55	9320				93.2	2.50e+06	1.52e+06
PCB-122	*	*	n	NotFnd	1.21	*	456	551	5.58			
PCB-105	*	*	n	NotFnd	1.21	*	456	551	6.06			
13C-PCB-105	1.51e+07	1.64	y	39:53	1.52	9320				93.2	2.16e+06	1.29e+06

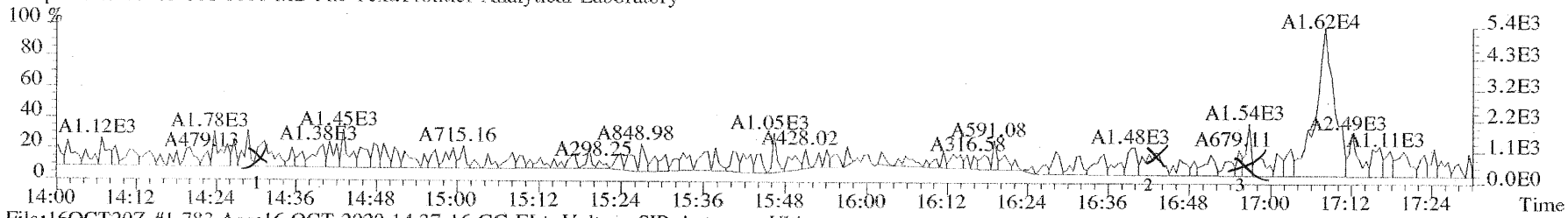
PCB-127	*	*	n	NotFnd	1.13	*	456	551	5.96				
PCB-126	*	*	n	NotFnd	1.17	*	456	551	6.36				
13C-PCB-126	1.50e+07	1.63	y	42:00	1.41	9980				99.8	2.15e+06	1.25e+06	
PCB-151	*	*	n	NotFnd	1.04	*	566	410	8.28				
PCB-135	*	*	n	NotFnd	1.03	*	566	410	8.41				
PCB-144	*	*	n	NotFnd	1.08	*	566	410	8.03				
PCB-147	*	*	n	NotFnd	1.10	*	566	410	7.86				
PCB-139	*	*	n	NotFnd	1.11	*	566	410	7.78		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	1.11	*	566	410	7.78		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.12	*	566	410	7.71				
PCB-143	*	*	n	NotFnd	0.95	*	566	410	9.13		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.95	*	566	410	9.13		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	0.95	*	566	410	9.09		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	0.95	*	566	410	9.09		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.96	*	566	410	8.97				
PCB-165	*	*	n	NotFnd	1.24	*	566	410	6.95		Co-elute PCB 146		
PCB-146	*	*	n	NotFnd	1.24	*	566	410	6.95		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.17	*	566	410	7.42		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.17	*	566	410	7.42		Co-elute PCB 161		
PCB-153	*	*	n	NotFnd	1.25	*	566	410	6.91				
PCB-168	*	*	n	NotFnd	1.38	*	566	410	6.28				
PCB-141	*	*	n	NotFnd	1.06	*	566	410	8.15				
PCB-137	*	*	n	NotFnd	1.05	*	566	410	8.21				
PCB-130	*	*	n	NotFnd	0.94	*	566	410	9.20				
PCB-138	*	*	n	NotFnd	1.24	*	566	410	6.97		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.24	*	566	410	6.97		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.24	*	566	410	6.97		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.38	*	566	410	6.28		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.38	*	566	410	6.28		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.90	*	566	410	9.57				
PCB-166	*	*	n	NotFnd	1.34	*	566	410	6.45				
PCB-159	*	*	n	NotFnd	1.39	*	566	410	6.23				
PCB-128	*	*	n	NotFnd	1.16	*	566	410	7.42		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.16	*	566	410	7.42		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.26	*	566	410	7.24				
13C-PCB-167	1.19e+07	1.30	y	43:22	1.13	9800				98.0	1.49e+06	1.19e+06	
PCB-156	*	*	n	NotFnd	1.32	*	566	410	6.29				
13C-PCB-156	1.17e+07	1.30	y	44:34	1.08	10100				101	1.67e+06	1.28e+06	
PCB-157	*	*	n	NotFnd	1.27	*	566	410	7.46				
13C-PCB-157	1.18e+07	1.28	y	44:51	1.10	10000				100	1.46e+06	1.12e+06	
PCB-169	*	*	n	NotFnd	1.23	*	566	410	6.29				
13C-PCB-169	1.18e+07	1.30	y	46:43	1.04	10600				106	1.80e+06	1.36e+06	

FAL ID: 05483-001-0001-MB Filename: 16OCT20Z Sam:8 Acquired: 16-OCT-20 14:37:16 ICal: DAILY209FAL4-10-16-20
Client ID: Method Blank ConCal: ST10162021 EndCal: ST10162022
Results: 13372 GC Column: DB1MS Amount: 1.000

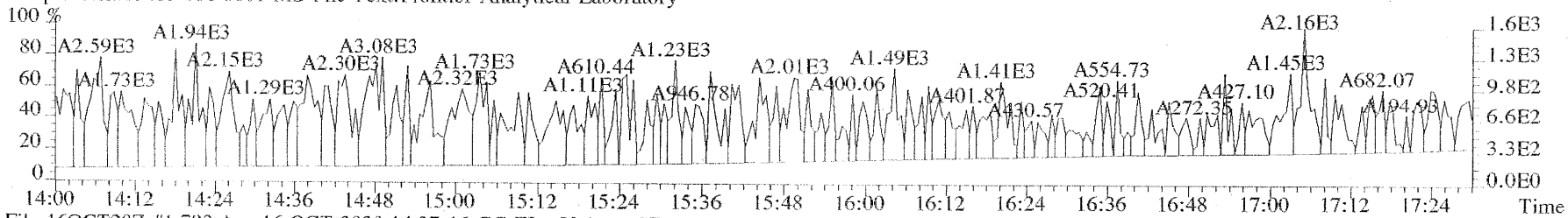
PCB-188	*	*	n	NotFnd	1.20	*	600	321	9.99			
13C-PCB-188	8.17e+06	1.08	y	39:38	0.90	8480				84.8	1.00e+06	9.13e+05
PCB-184	*	*	n	NotFnd	1.35	*	600	321	8.32			
PCB-179	*	*	n	NotFnd	1.32	*	600	321	8.48			
PCB-176	*	*	n	NotFnd	1.27	*	600	321	8.86			
PCB-186	*	*	n	NotFnd	1.26	*	600	321	8.92			
PCB-178	*	*	n	NotFnd	0.91	*	600	321	12.3			
PCB-175	*	*	n	NotFnd	0.95	*	600	321	11.7			
PCB-187	*	*	n	NotFnd	1.02	*	600	321	11.0		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	1.02	*	600	321	11.0		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	1.02	*	600	321	11.0			
PCB-185	*	*	n	NotFnd	0.94	*	600	321	11.9			
PCB-174	*	*	n	NotFnd	1.00	*	600	321	11.2			
PCB-181	*	*	n	NotFnd	0.88	*	600	321	12.7			
PCB-177	*	*	n	NotFnd	0.86	*	600	321	13.0			
PCB-171	*	*	n	NotFnd	0.93	*	600	321	12.1			
PCB-173	*	*	n	NotFnd	0.83	*	600	321	13.5			
PCB-172	*	*	n	NotFnd	0.85	*	600	321	13.2			
PCB-192	*	*	n	NotFnd	1.12	*	600	321	10.00			
PCB-180	*	*	n	NotFnd	0.88	*	600	321	12.7			
PCB-193	*	*	n	NotFnd	1.21	*	600	321	9.29			
PCB-191	*	*	n	NotFnd	1.16	*	600	321	9.70			
PCB-170	*	*	n	NotFnd	0.88	*	600	321	12.7			
PCB-190	*	*	n	NotFnd	1.14	*	600	321	9.87			
PCB-189	*	*	n	NotFnd	1.20	*	600	321	8.59			
13C-PCB-189	7.21e+06	1.10	y	48:23	0.74	9120				91.2	1.17e+06	1.06e+06
PCB-202	*	*	n	NotFnd	1.12	*	256	324	11.3			
PCB-201	*	*	n	NotFnd	1.28	*	256	324	9.91			
PCB-204	*	*	n	NotFnd	1.24	*	256	324	10.2			
PCB-197	*	*	n	NotFnd	1.29	*	256	324	9.81			
PCB-200	*	*	n	NotFnd	1.28	*	256	324	9.90			
PCB-198	*	*	n	NotFnd	0.96	*	256	324	13.1			
PCB-199	*	*	n	NotFnd	0.93	*	256	324	13.7			
PCB-203	*	*	n	NotFnd	0.98	*	256	324	12.9		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.98	*	256	324	12.9		Co-elute PCB 203	
13C-PCB-202	5.18e+06	0.93	y	44:46	0.55	8720				87.2	5.54e+05	5.91e+05
13C-PCB-178	6.11e+06	1.13	y	42:16	0.66	8610				86.1	7.40e+05	6.90e+05
13C-PCB-138	1.07e+07	1.30	y	41:30	-	35.6						
PCB-195	*	*	n	NotFnd	0.91	*	649	810	9.79			
PCB-194	*	*	n	NotFnd	0.93	*	649	810	9.54			
PCB-205	*	*	n	NotFnd	1.14	*	649	810	7.78			
13C-PCB-205	1.29e+07	0.91	y	50:02	1.24	9390				93.9	1.93e+06	2.18e+06
PCB-208	*	*	n	NotFnd	1.13	*	468	436	5.06			
13C-PCB-208	1.10e+07	0.82	y	49:07	1.08	9190				91.9	1.78e+06	2.16e+06
PCB-207	*	*	n	NotFnd	1.31	*	468	436	5.15			
PCB-206	*	*	n	NotFnd	1.17	*	468	436	6.92			
13C-PCB-206	7.99e+06	0.82	y	51:14	0.77	9310				93.1	1.23e+06	1.56e+06
PCB-209	*	*	n	NotFnd	1.27	*	384	316	6.42			
13C-PCB-209	7.37e+06	1.20	y	52:26	0.73	9060				90.6	1.19e+06	9.66e+05
13C-PCB-194	1.11e+07	0.90	y	49:48	-	35.7						

Analyst: _____ Date: 10/20/20

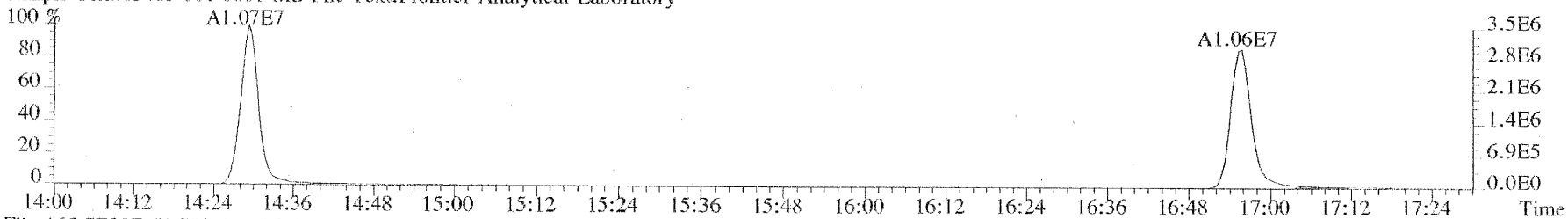
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



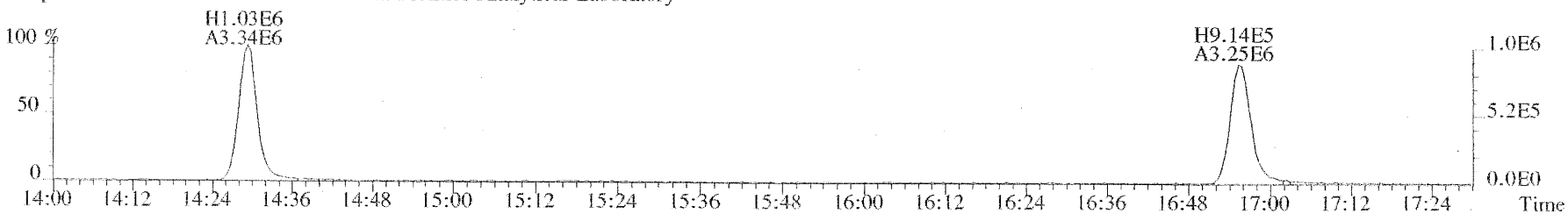
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



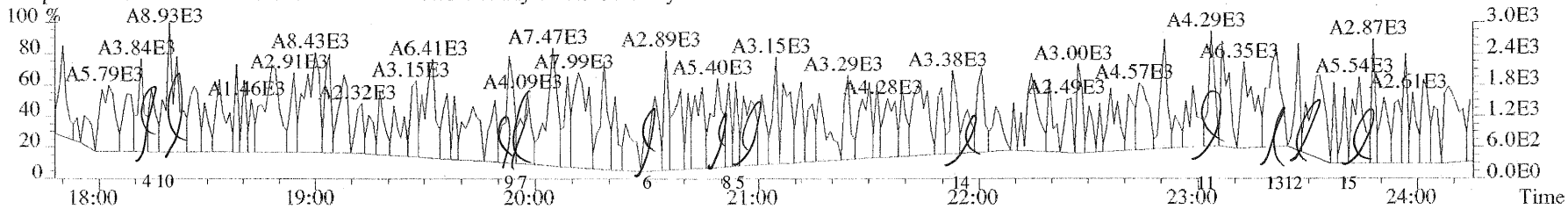
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



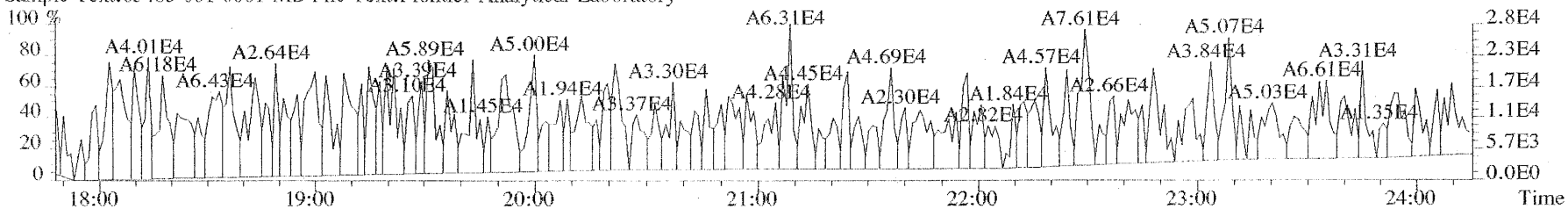
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



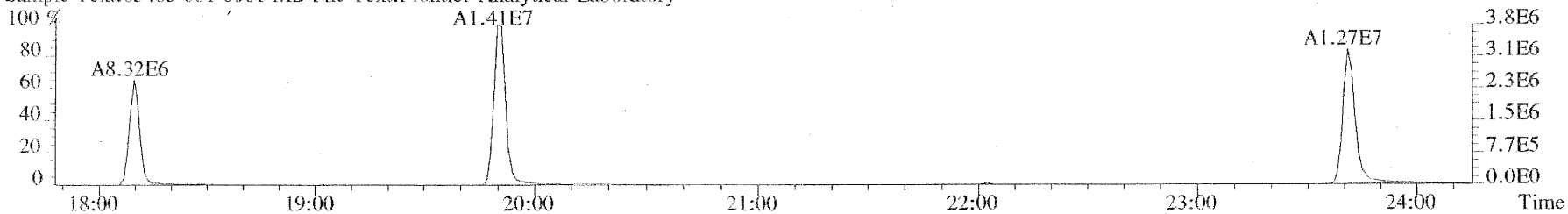
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



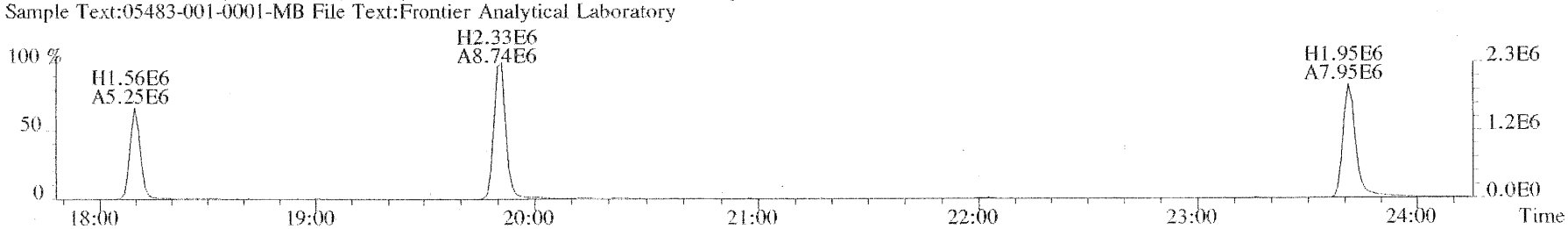
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



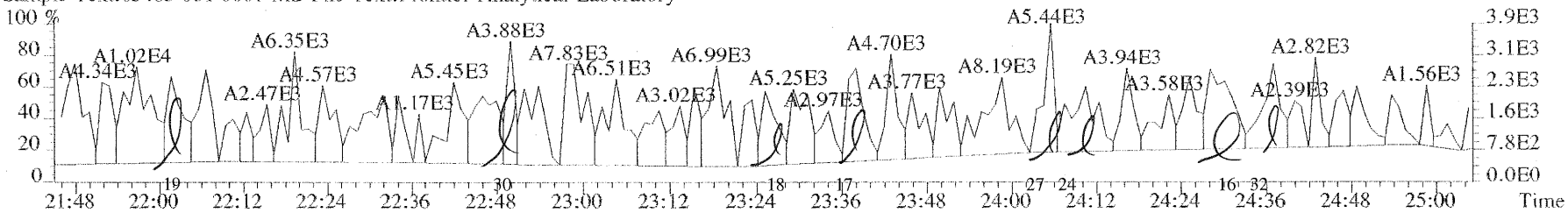
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



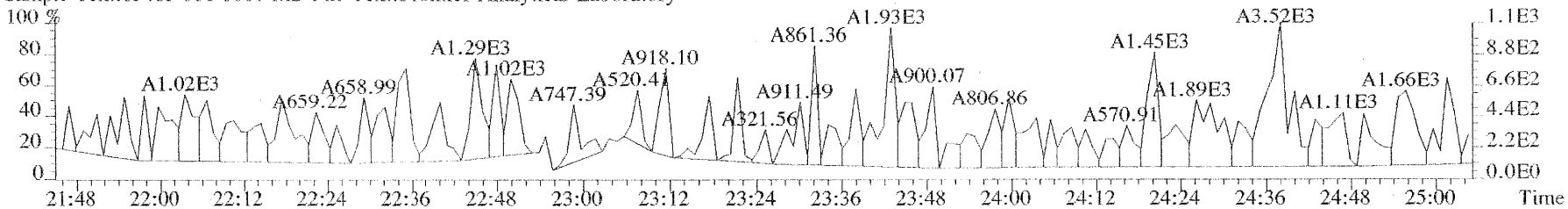
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



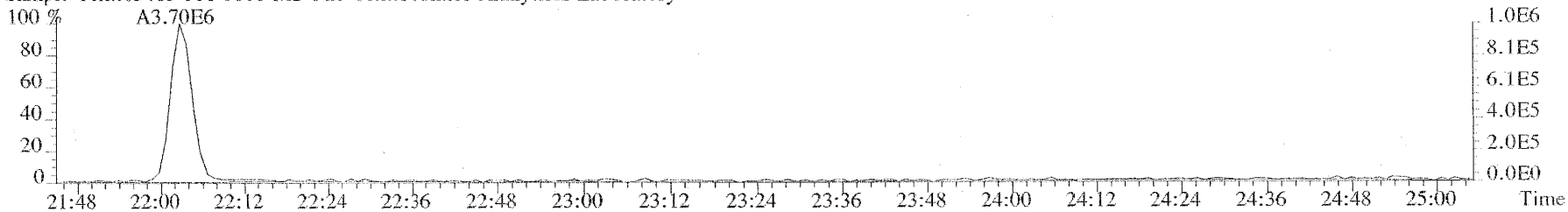
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



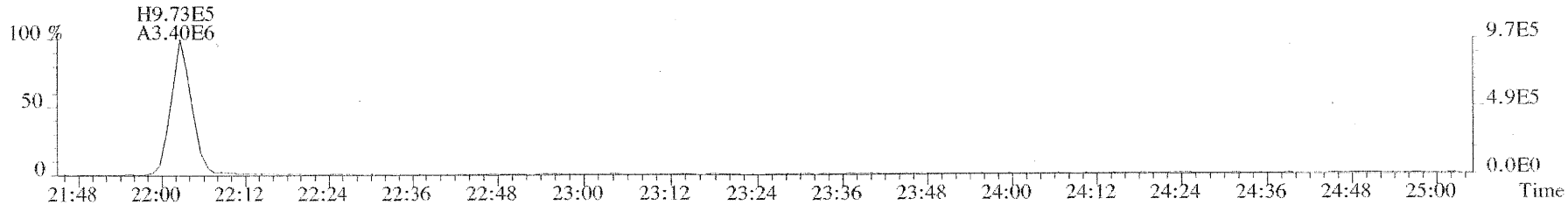
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



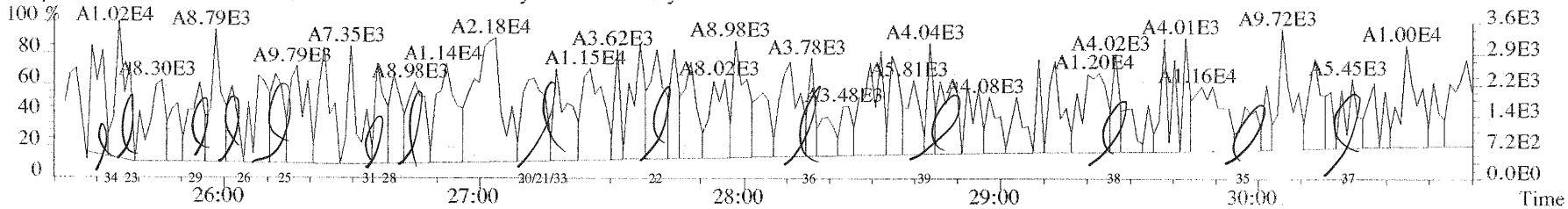
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



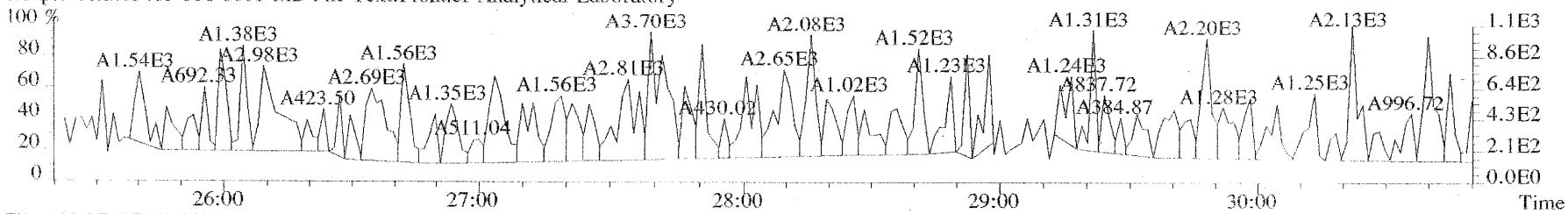
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



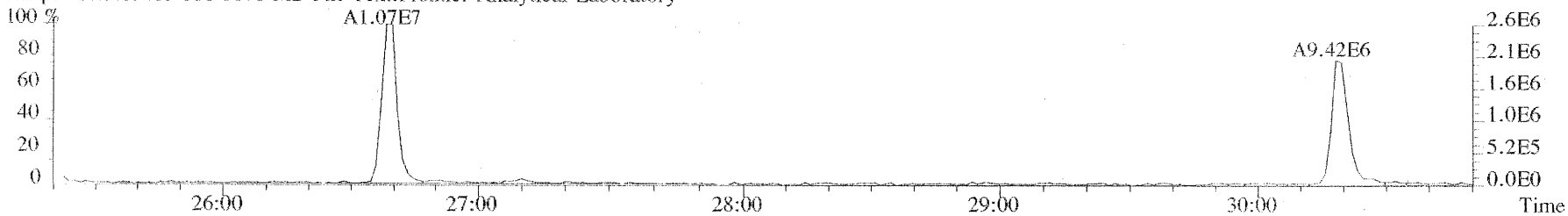
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



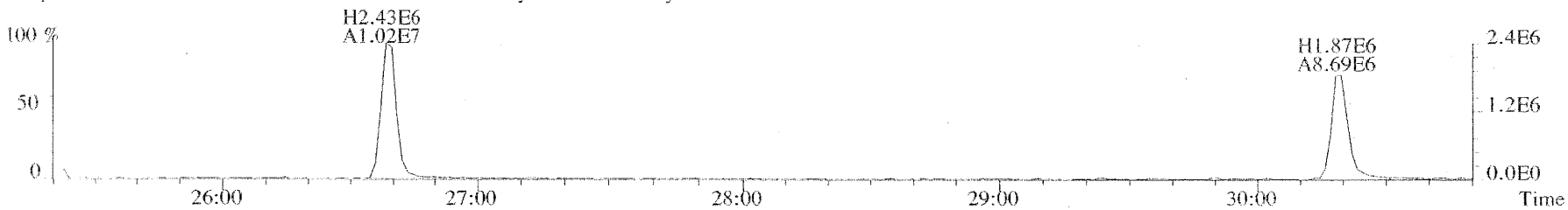
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



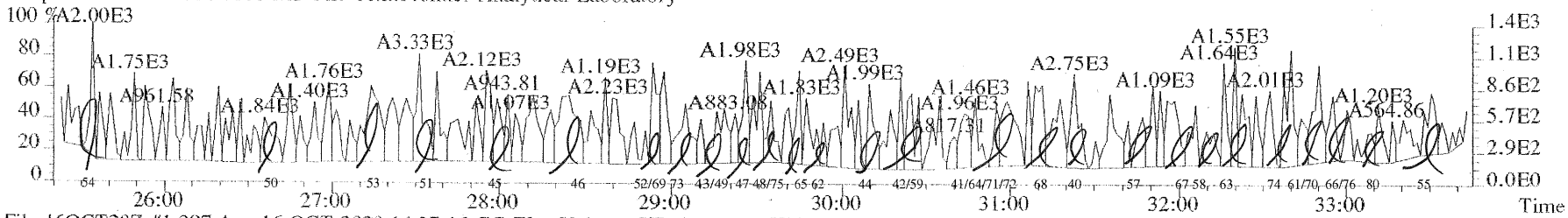
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



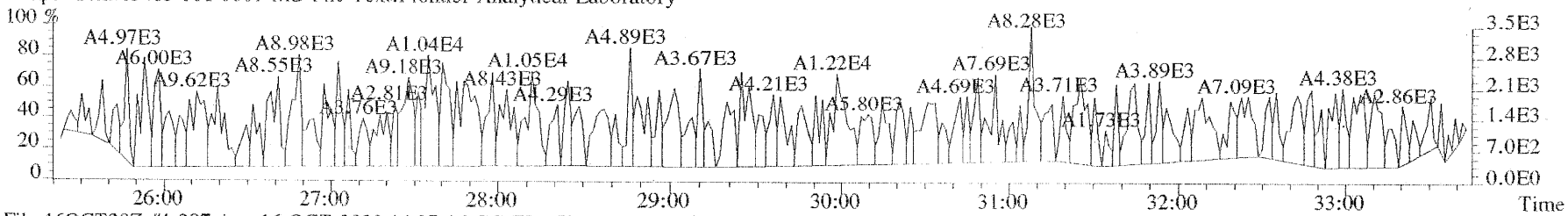
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



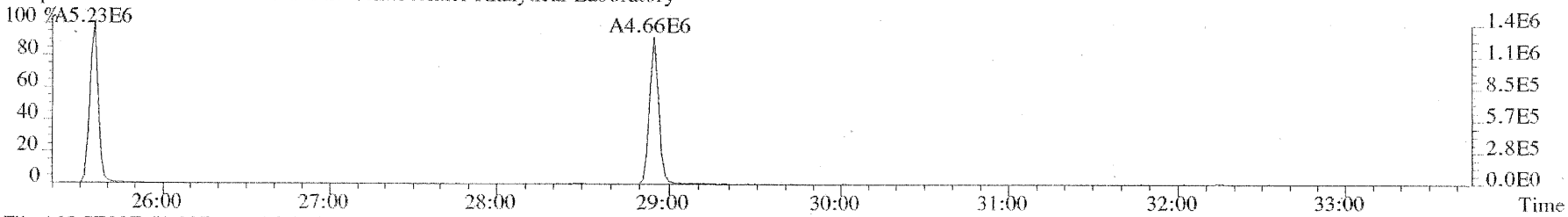
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



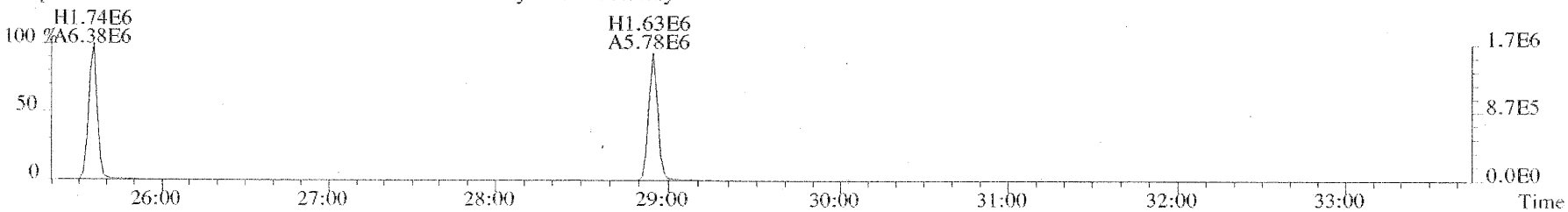
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



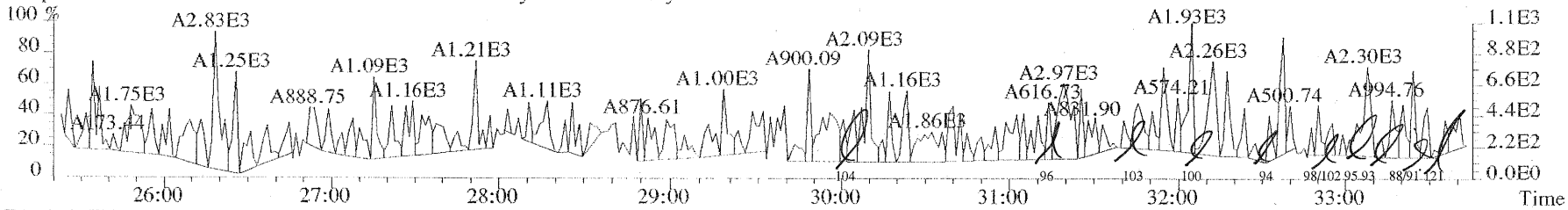
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



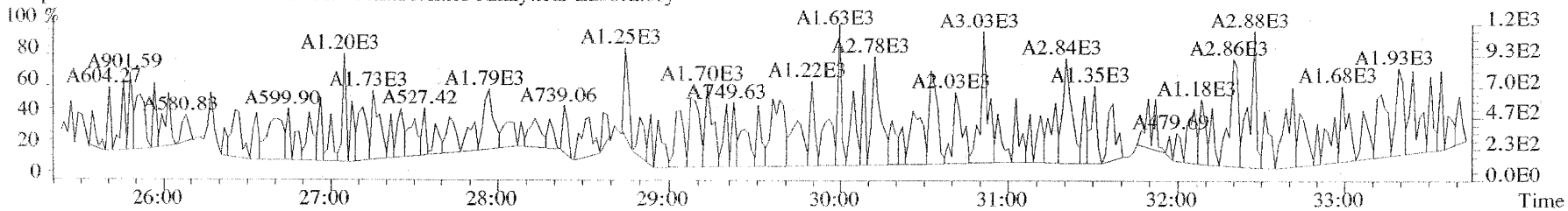
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



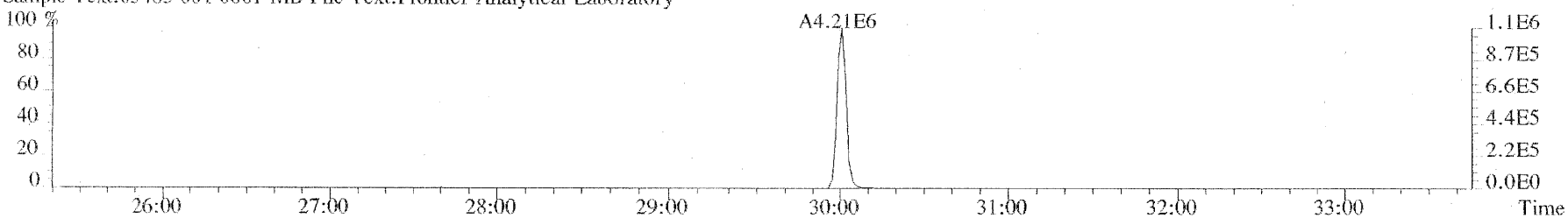
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



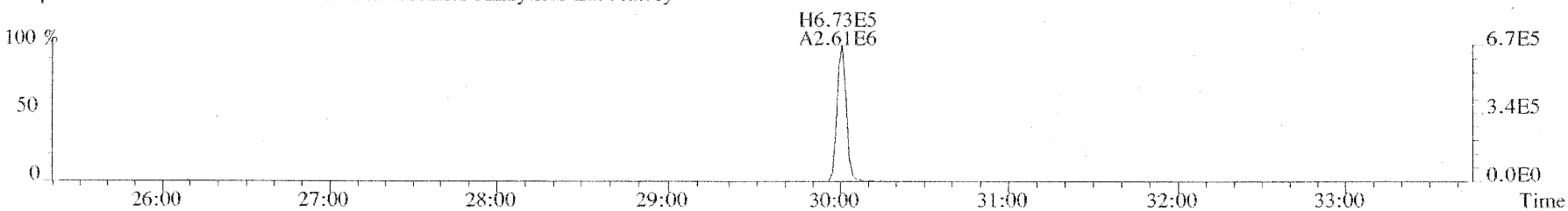
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



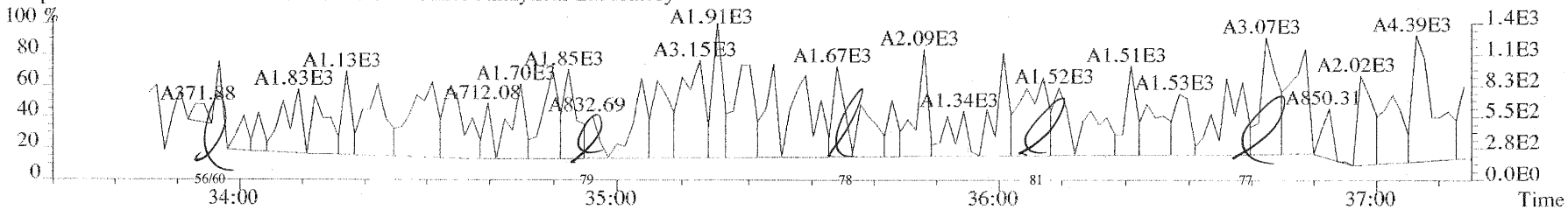
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



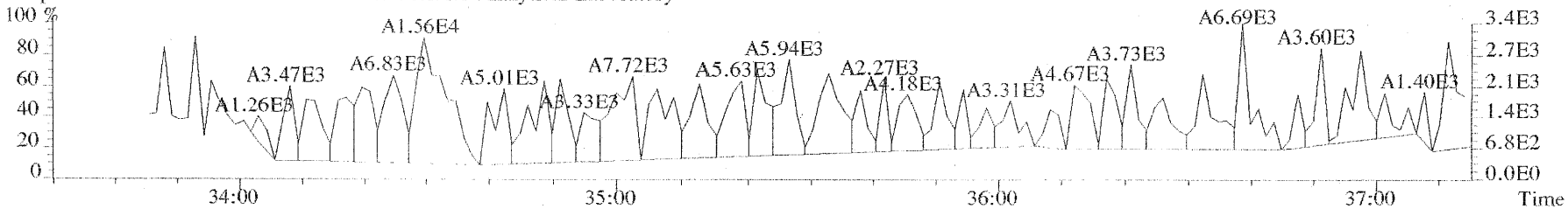
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



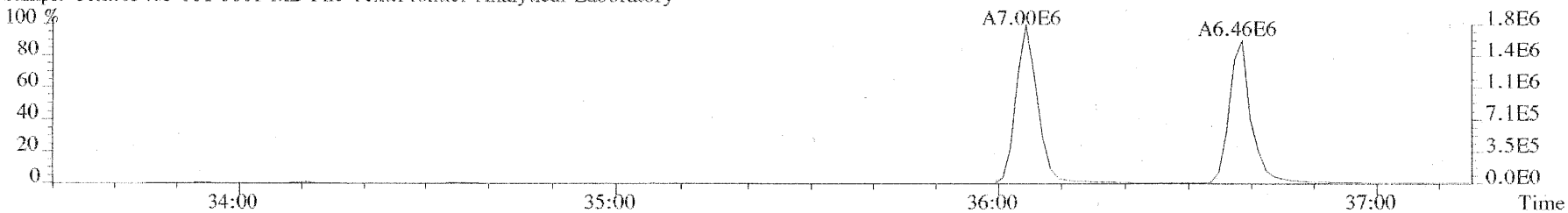
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



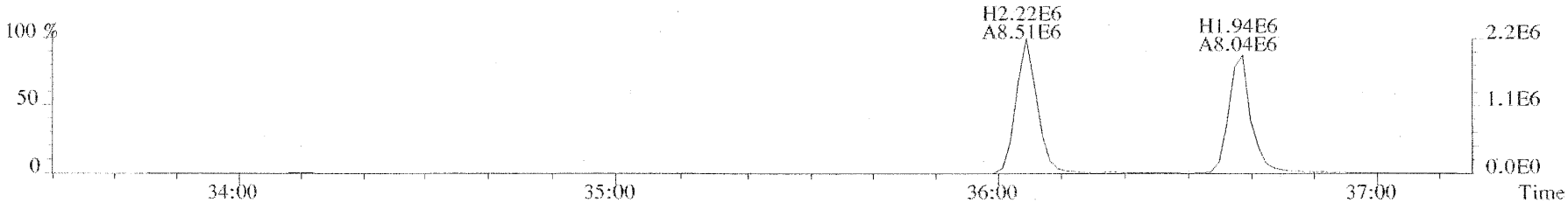
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



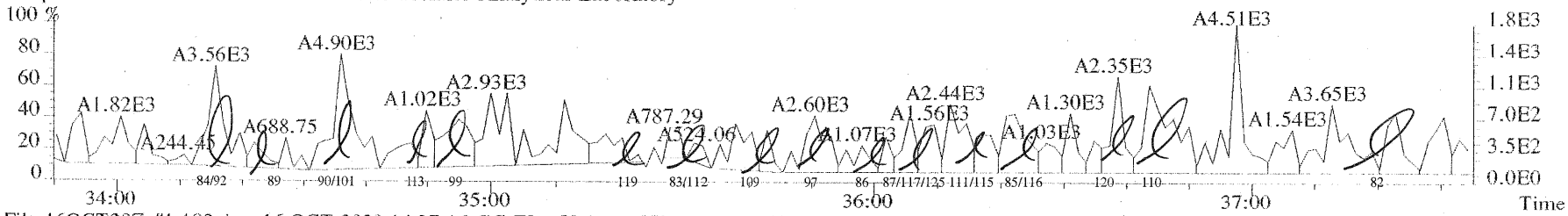
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



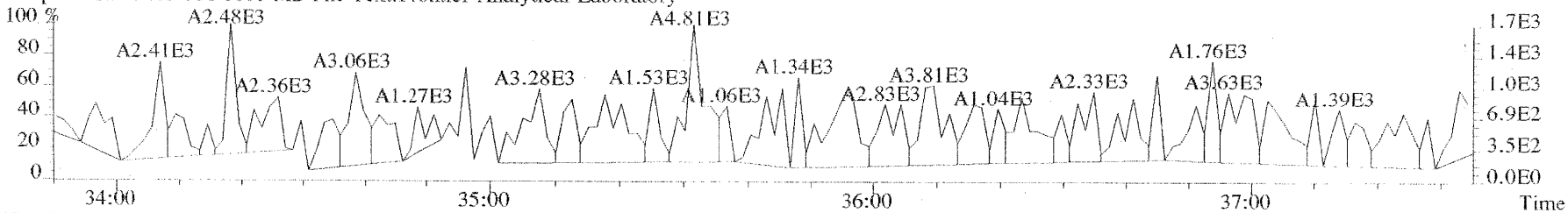
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



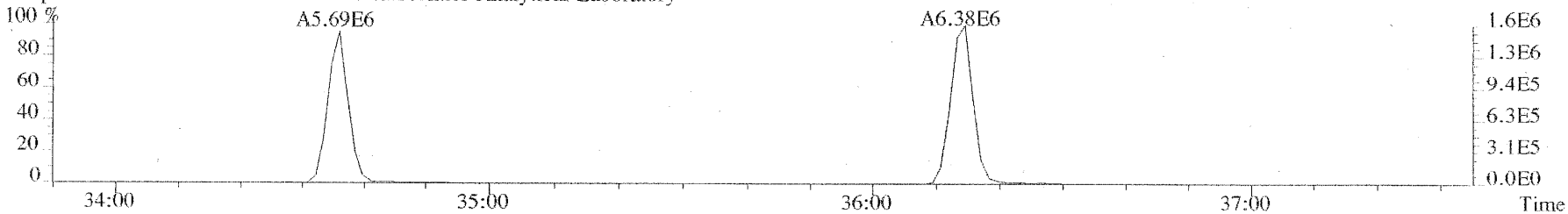
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



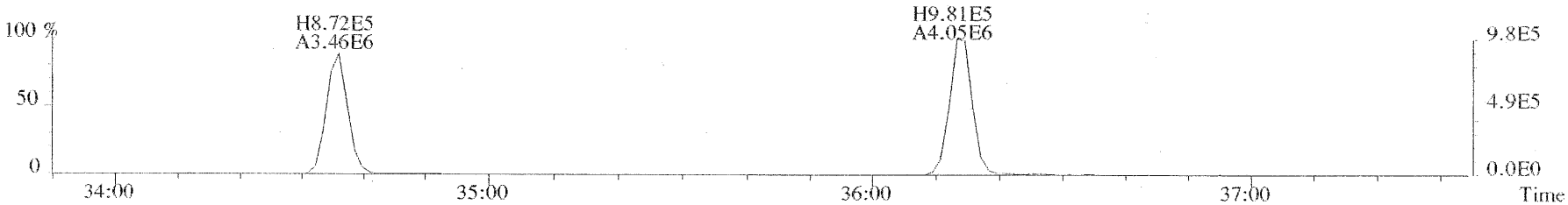
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



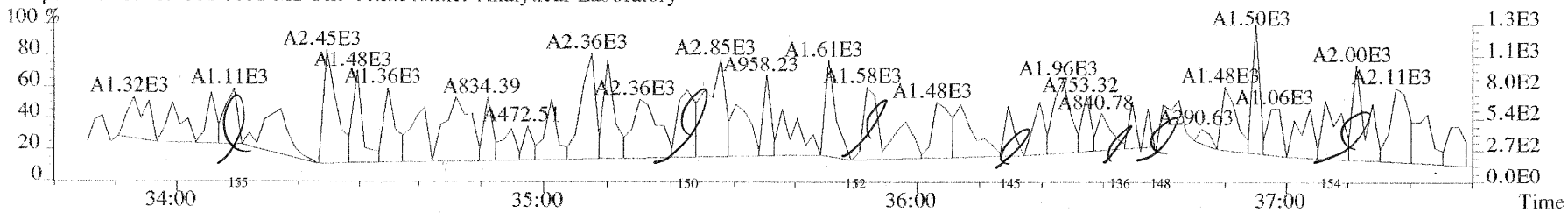
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



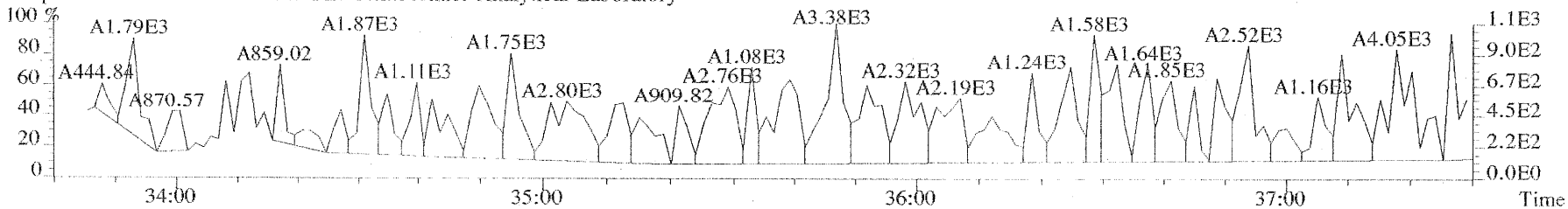
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



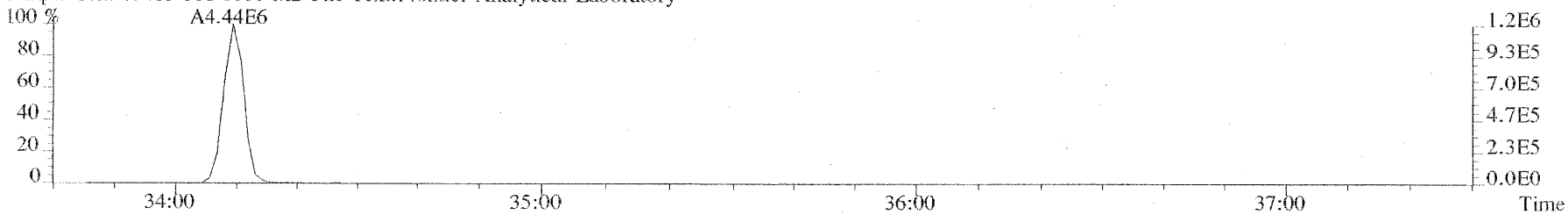
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



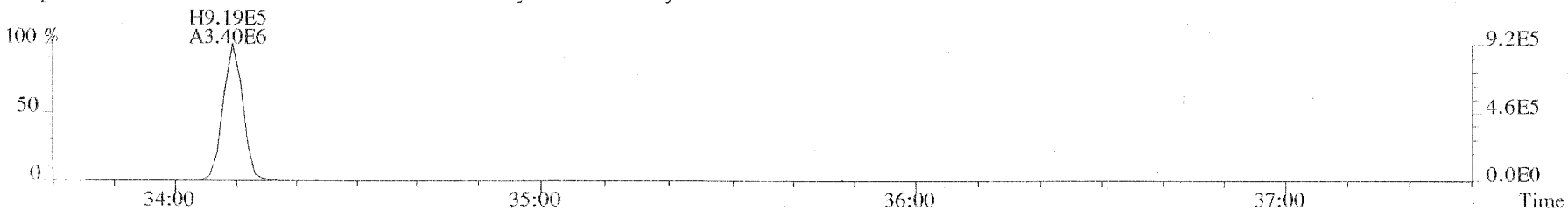
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



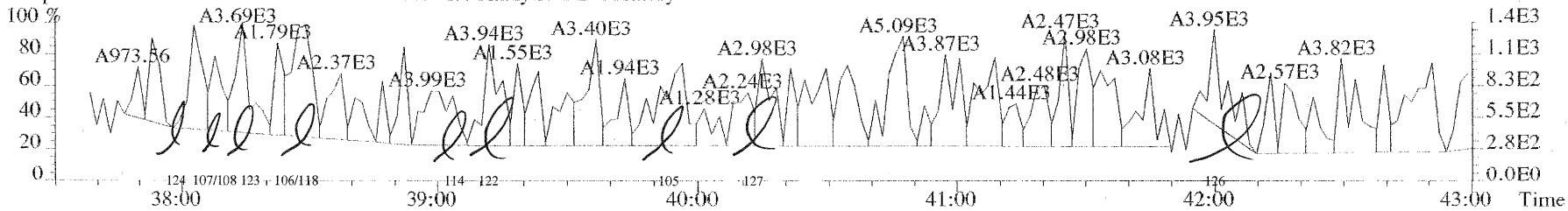
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



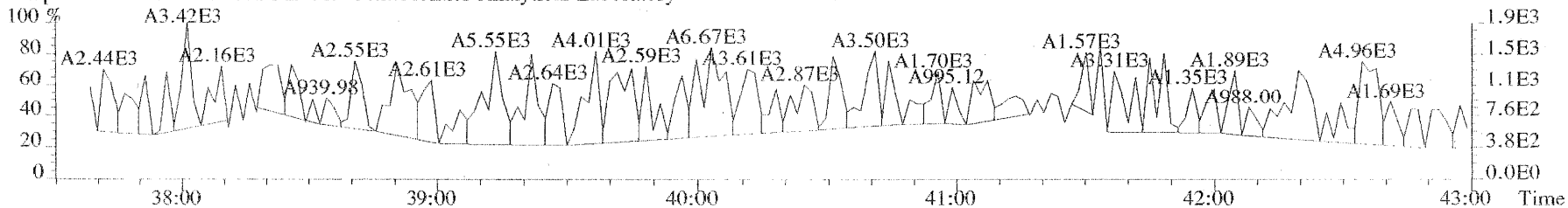
File:16OCT20Z #1-183 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



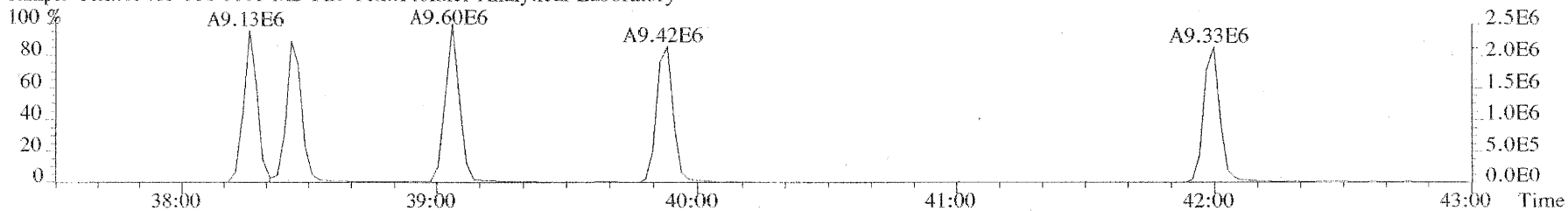
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



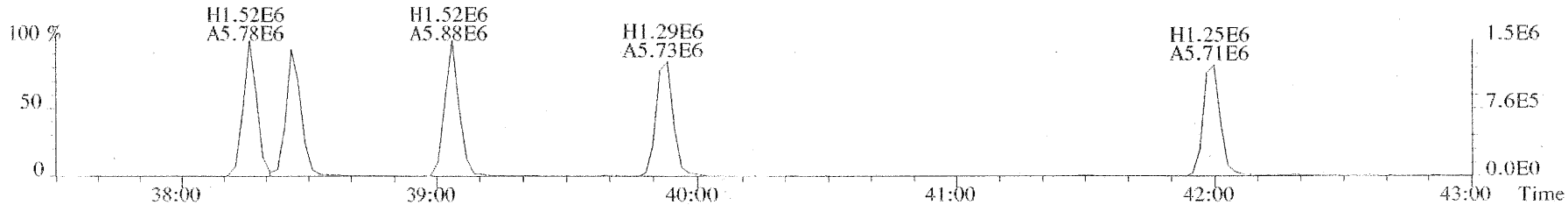
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



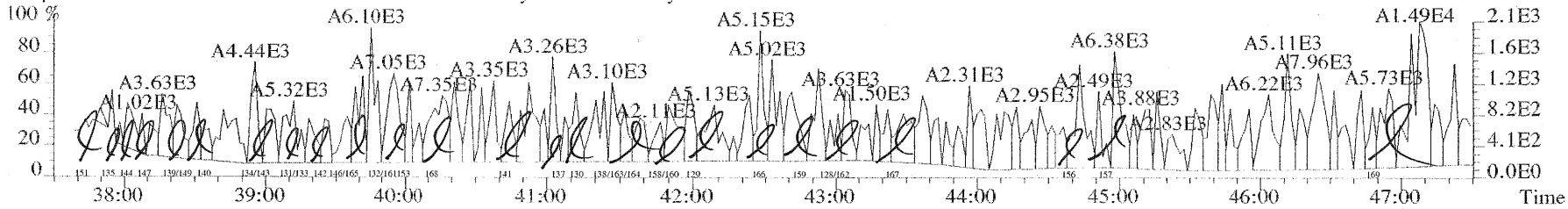
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



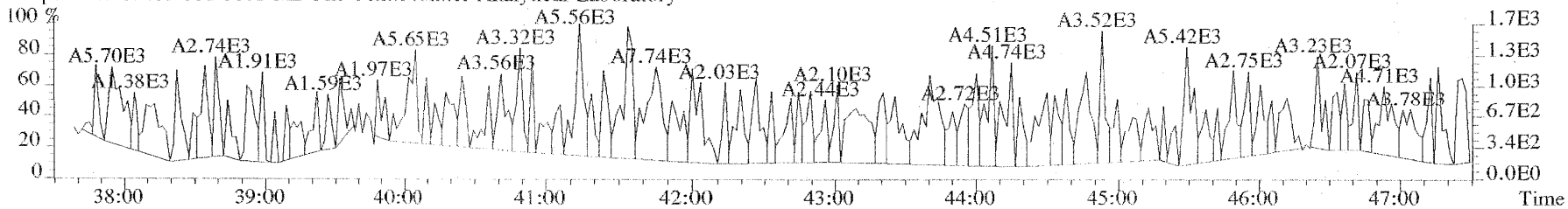
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



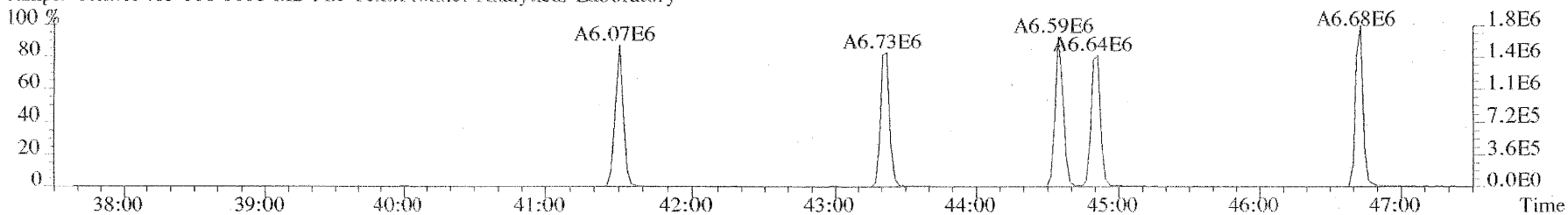
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



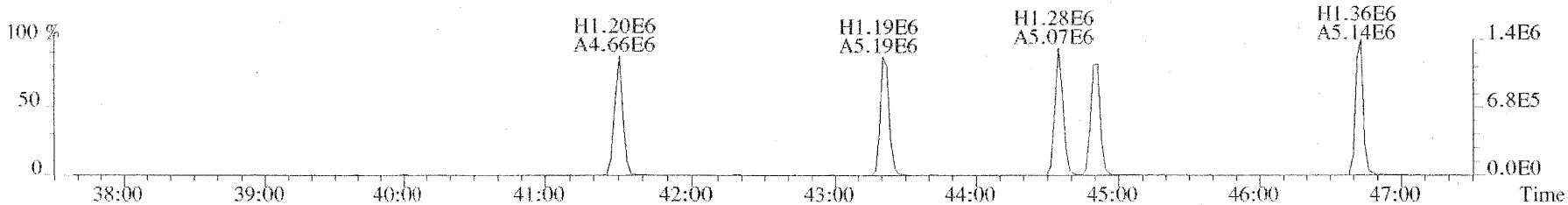
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



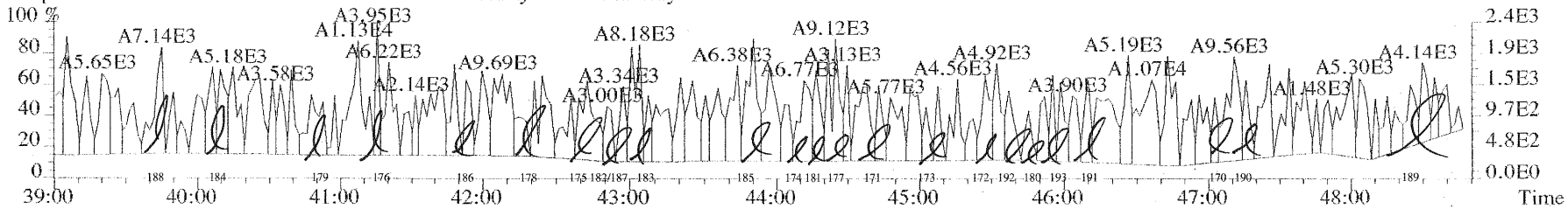
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



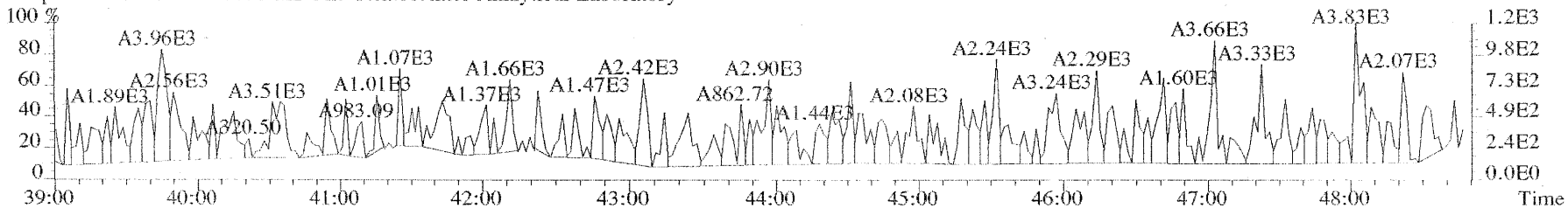
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



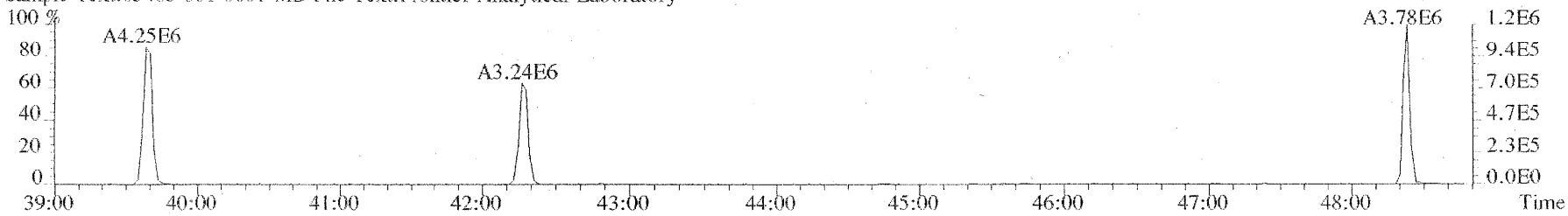
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



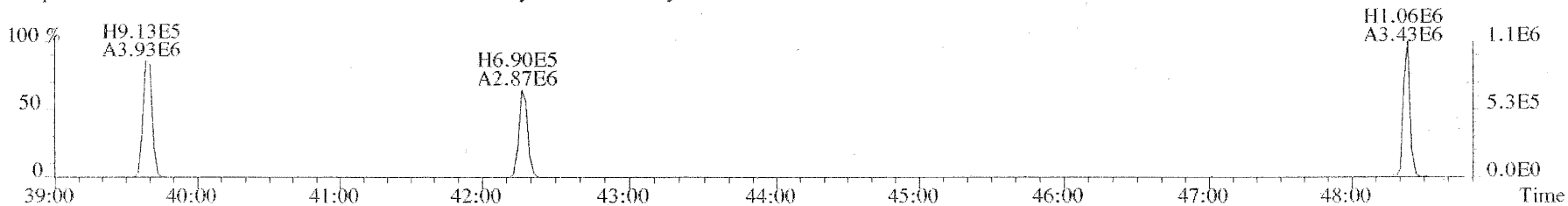
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



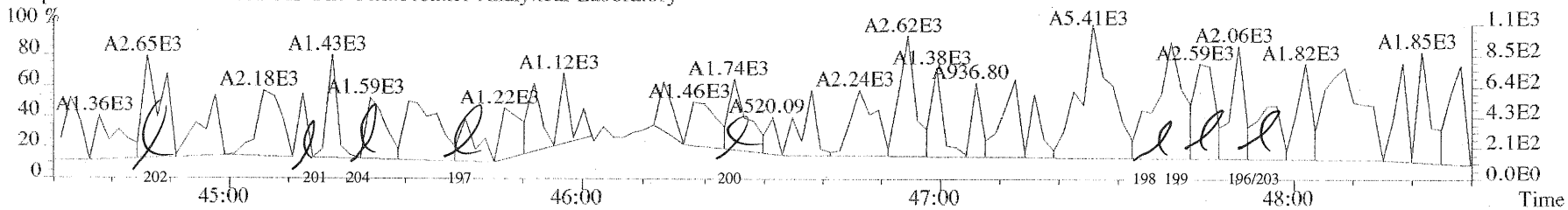
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



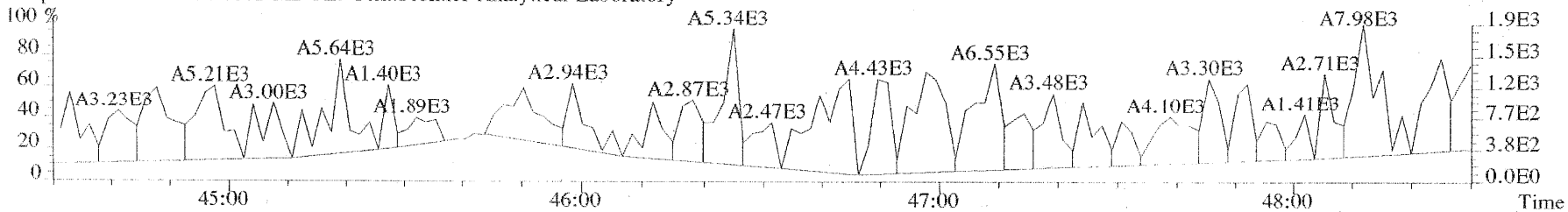
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



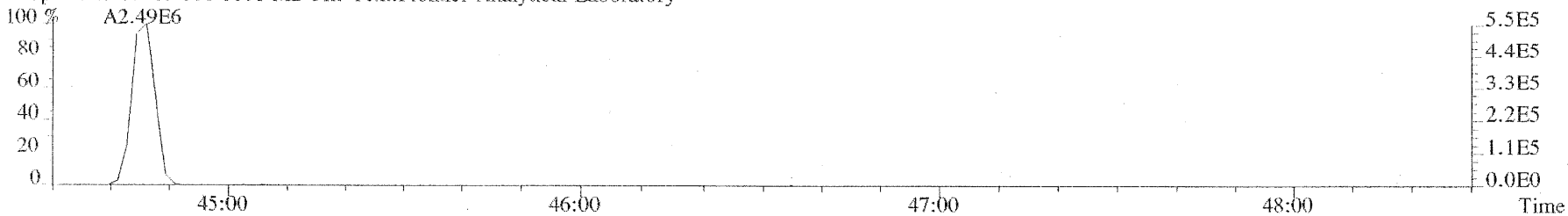
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



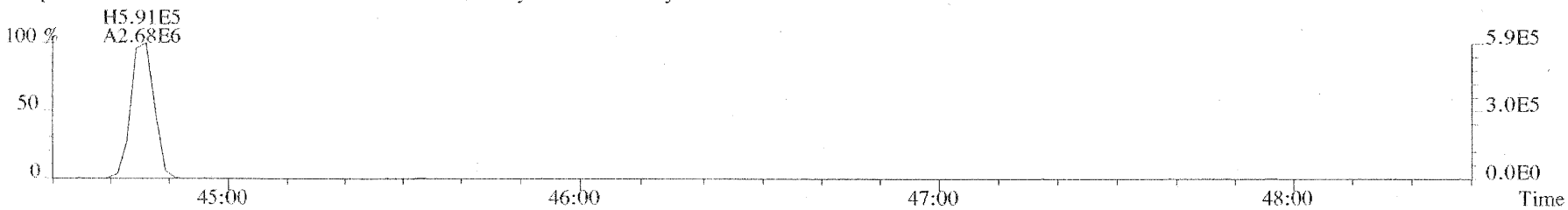
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



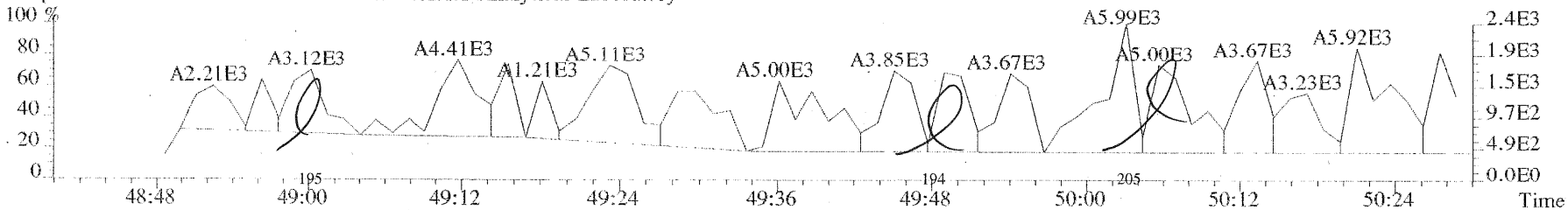
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



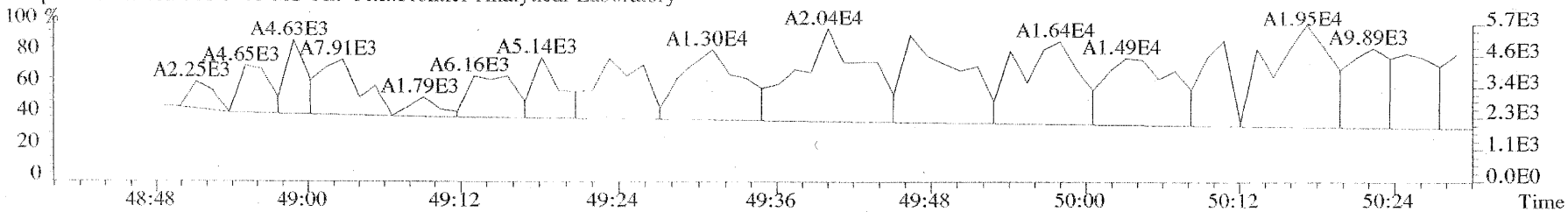
File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



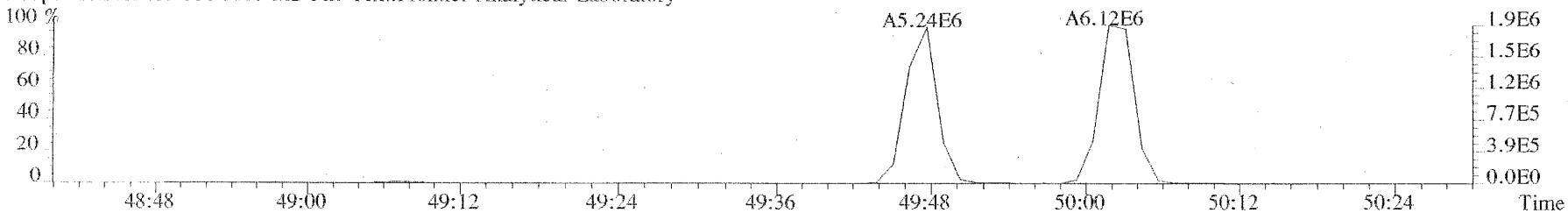
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



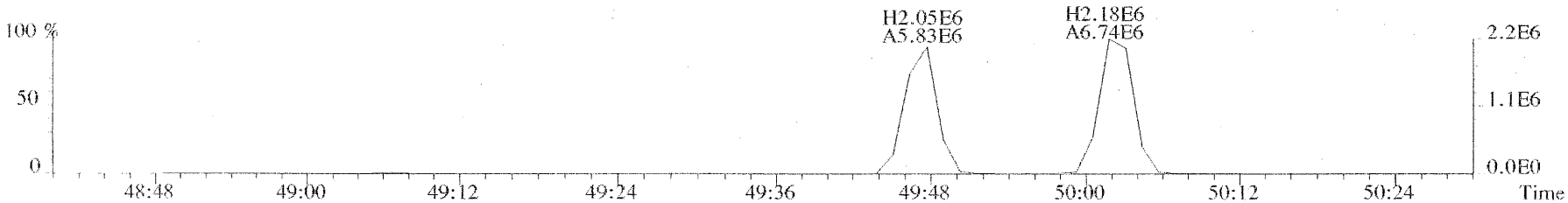
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



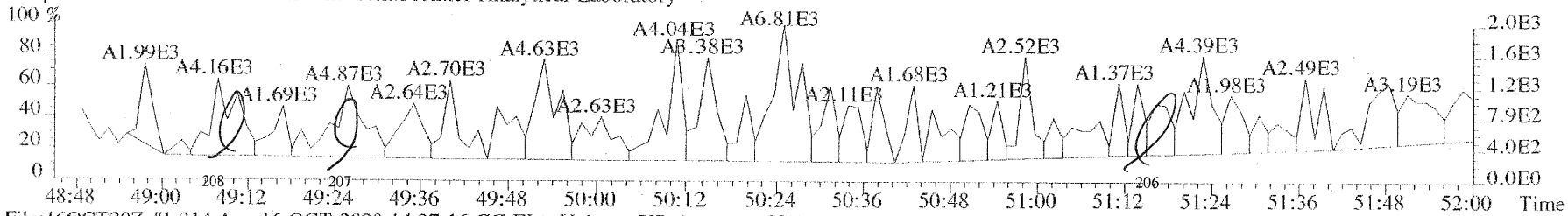
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



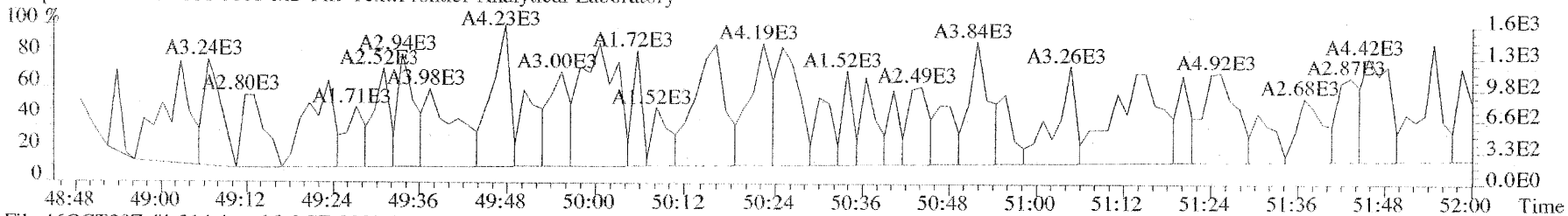
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



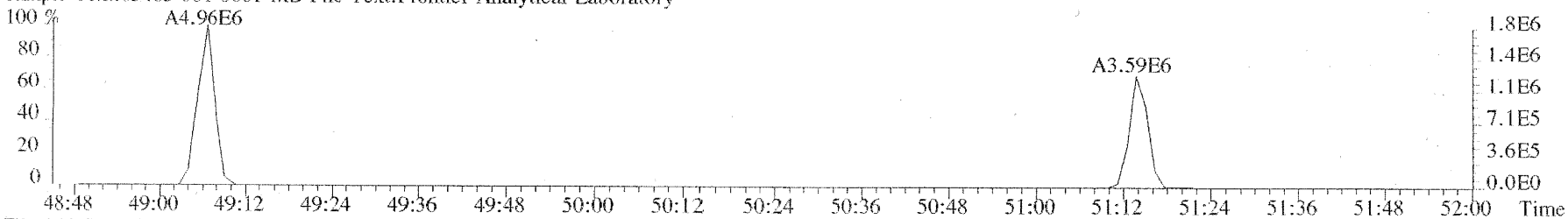
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



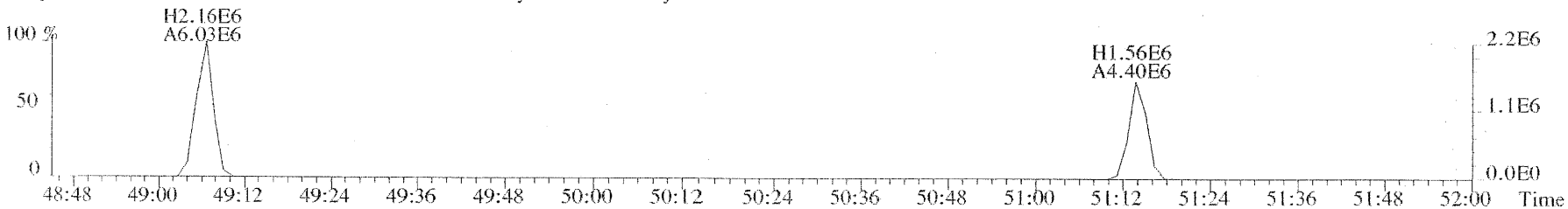
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



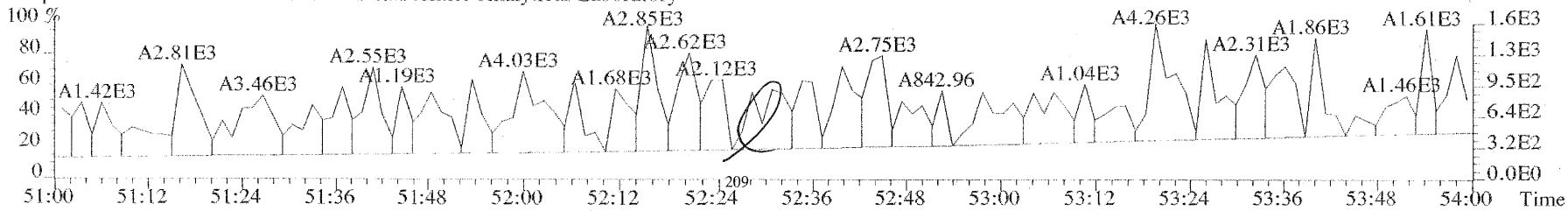
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



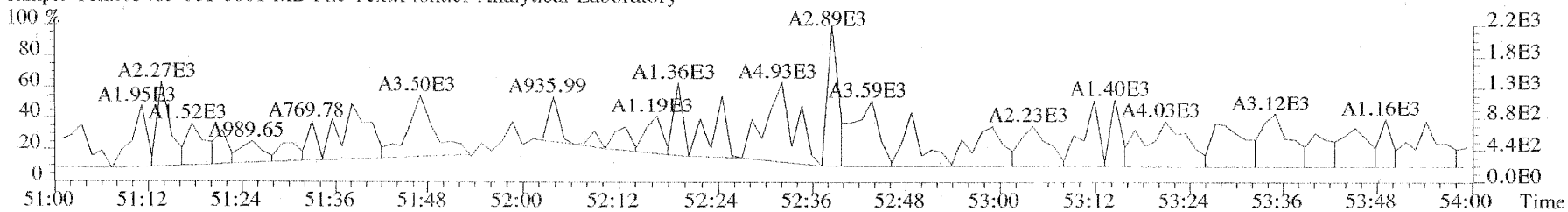
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



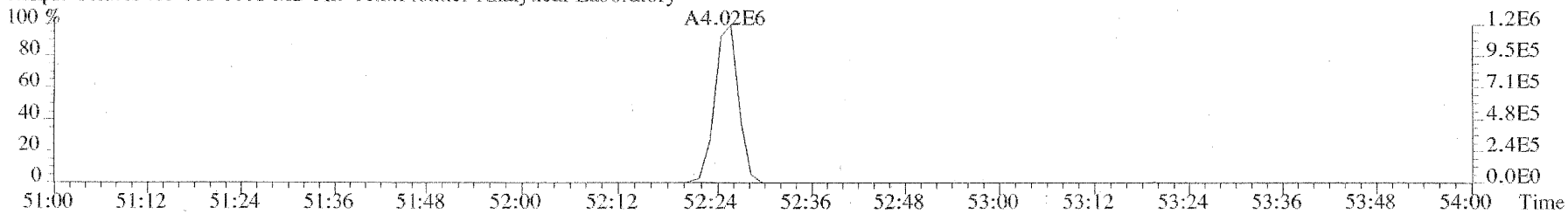
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



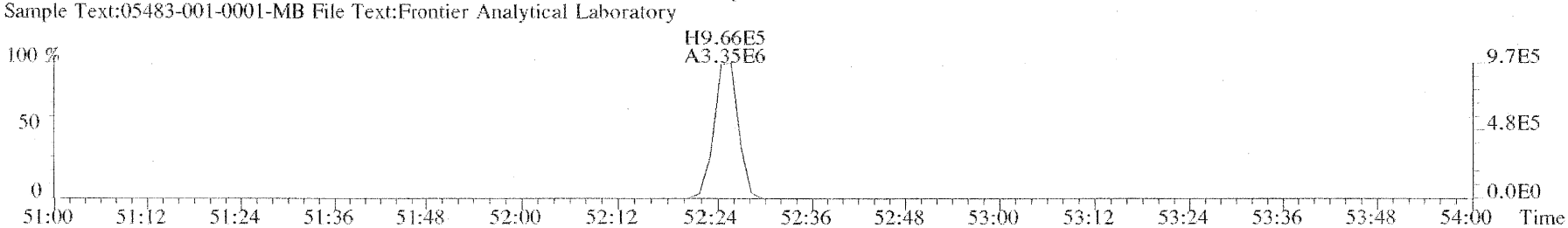
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

FORM 8A

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05483-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 16OCT20Z Sam:7

Ext. Date: 10/13/20 Shift: Day Analysis Date: 16-OCT-20 13:38:31

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	45.2	30.0 - 67.5
PCB-3	50	45.6	30.0 - 67.5
PCB-4	50	55.3	30.0 - 67.5
PCB-15	50	43.2	30.0 - 67.5
PCB-19	50	48.8	30.0 - 67.5
PCB-37	50	42.9	30.0 - 67.5
PCB-54	50	45.5	30.0 - 67.5
PCB-77	50	46.2	30.0 - 67.5
PCB-81	50	43.4	30.0 - 67.5
PCB-104	50	46.6	30.0 - 67.5
PCB-105	50	42.3	30.0 - 67.5
PCB-114	50	43.1	30.0 - 67.5
PCB-118	50	46.3	30.0 - 67.5
PCB-123	50	46.7	30.0 - 67.5
PCB-126	50	43.9	30.0 - 67.5
PCB-155	50	50.1	30.0 - 67.5
PCB-156	50	44.3	30.0 - 67.5
PCB-157	50	45.0	30.0 - 67.5
PCB-167	50	45.9	30.0 - 67.5
PCB-169	50	48.1	30.0 - 67.5
PCB-188	50	49.1	30.0 - 67.5
PCB-189	50	48.7	30.0 - 67.5
PCB-202	50	50.4	30.0 - 67.5
PCB-205	50	46.3	30.0 - 67.5
PCB-206	50	46.6	30.0 - 67.5
PCB-208	50	47.4	30.0 - 67.5
PCB-209	50	47.1	30.0 - 67.5

Analyst: Date: 10/16/20

Frontier Analytical Laboratory

FORM 8B
209 PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory FAL ID: 05483-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 16OCT20Z Sam:7

Ext. Date: 10/13/20 Shift: Day Analysis Date: 16-OCT-20 13:38:31

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	94.1	15.0 - 145
13C-PCB-3	100	99.3	15.0 - 145
13C-PCB-4	100	96.7	15.0 - 145
13C-PCB-15	100	109	15.0 - 145
13C-PCB-19	100	90.7	15.0 - 145
13C-PCB-37	100	117	15.0 - 145
13C-PCB-54	100	104	15.0 - 145
13C-PCB-77	100	112	40.0 - 145
13C-PCB-81	100	114	40.0 - 145
13C-PCB-104	100	92.5	40.0 - 145
13C-PCB-105	100	115	40.0 - 145
13C-PCB-114	100	112	40.0 - 145
13C-PCB-118	100	115	40.0 - 145
13C-PCB-123	100	121	40.0 - 145
13C-PCB-126	100	122	40.0 - 145
13C-PCB-155	100	84.0	40.0 - 145
13C-PCB-156	100	111	40.0 - 145
13C-PCB-157	100	112	40.0 - 145
13C-PCB-167	100	109	40.0 - 145
13C-PCB-169	100	113	40.0 - 145
13C-PCB-188	100	87.7	40.0 - 145
13C-PCB-189	100	95.5	40.0 - 145
13C-PCB-202	100	89.2	40.0 - 145
13C-PCB-205	100	107	40.0 - 145
13C-PCB-206	100	98.3	40.0 - 145
13C-PCB-208	100	99.8	40.0 - 145
13C-PCB-209	100	86.0	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	104	15.0 - 145
13C-PCB-111	100	93.2	40.0 - 145
13C-PCB-178	100	82.4	40.0 - 145

Analyst: _____ Date: 10/16/20

FAL ID: 05483-001-0001-OPR Filename: 16OCT20Z Sam:7 Acquired: 16-OCT-20 13:38:31 ICal: DAILY209FAL4-10-16-20 1 of 2
Client ID: OPR ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13387 GC Column: DB1MS Amount: 1.000

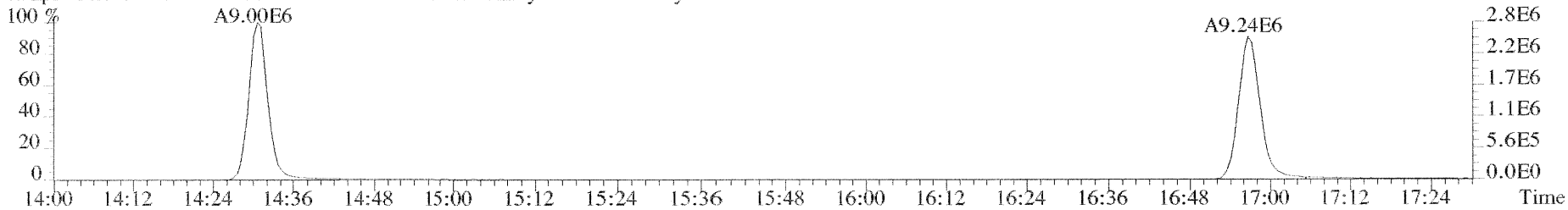
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.18e+07	3.23 y	14:31	1.48	45.2		2.50	-	-	*	
13C-PCB-1	1.76e+07	3.19 y	14:29	0.70	94.1		2.50				94.1
PCB-3	1.21e+07	3.19 y	16:57	1.47	45.6		2.50	-	-	*	
13C-PCB-3	1.81e+07	3.33 y	16:56	0.68	99.3		2.50				99.3
PCB-4	9.79e+06	1.48 y	18:12	1.02	55.3		2.50	-	-	*	
13C-PCB-4	1.73e+07	1.59 y	18:10	0.67	96.7		2.50				96.7
PCB-15	1.54e+07	1.51 y	23:43	1.23	43.2		2.50	-	-	*	
13C-PCB-15	2.91e+07	1.61 y	23:42	0.99	109		2.50				109
PCB-19	6.04e+06	1.08 y	22:05	1.37	48.8		2.50	-	-	*	
13C-PCB-19	9.00e+06	1.08 y	22:04	0.37	90.7		2.50				90.7
13C-PCB-9	2.68e+07	1.60 y	19:51	-	44.0		2.50				
PCB-37	1.37e+07	1.04 y	30:21	1.21	42.9		2.50	-	-	*	
13C-PCB-37	2.63e+07	1.10 y	30:20	1.83	117		2.50				117
PCB-54	9.18e+06	0.83 y	25:37	1.41	45.5		2.50	-	-	*	
13C-PCB-54	1.43e+07	0.82 y	25:35	1.13	104		2.50				104
PCB-104	4.89e+06	1.53 y	30:03	1.26	46.6		2.50	-	-	*	
13C-PCB-104	8.34e+06	1.58 y	30:02	0.74	92.5		2.50				92.5
13C-PCB-28	2.77e+07	1.09 y	26:40	2.17	104		2.50				104
13C-PCB-52	1.22e+07	0.80 y	28:55	-	41.5		2.50				
PCB-81	1.20e+07	0.82 y	36:07	1.34	43.4		2.50	-	-	*	
13C-PCB-81	2.07e+07	0.81 y	36:06	1.76	114		2.50				114
PCB-77	1.15e+07	0.80 y	36:41	1.18	46.2		2.50	-	-	*	
13C-PCB-77	2.11e+07	0.81 y	36:40	1.84	112		2.50				112
PCB-155	4.93e+06	1.28 y	34:12	1.16	50.1		2.50	-	-	*	
13C-PCB-155	8.47e+06	1.34 y	34:11	0.98	84.0		2.50				84.0
13C-PCB-111	1.20e+07	1.66 y	36:16	1.26	93.2		2.50				93.2
13C-PCB-101	1.03e+07	1.63 y	34:37	-	38.5		2.50				
PCB-123	1.01e+07	1.57 y	38:20	1.13	46.7		2.50	-	-	*	
13C-PCB-123	1.92e+07	1.59 y	38:18	1.42	121		2.50				121
PCB-118	1.08e+07	1.58 y	38:29	1.15	46.3		2.50	-	-	*	
13C-PCB-118	2.02e+07	1.61 y	38:29	1.57	115		2.50				115
PCB-114	1.00e+07	1.56 y	39:07	1.20	43.1		2.50	-	-	*	
13C-PCB-114	1.94e+07	1.60 y	39:06	1.55	112		2.50				112
PCB-105	1.01e+07	1.56 y	39:57	1.21	42.3		2.50	-	-	*	
13C-PCB-105	1.96e+07	1.58 y	39:55	1.52	115		2.50				115
PCB-126	9.93e+06	1.55 y	42:03	1.17	43.9		2.50	-	-	*	
13C-PCB-126	1.93e+07	1.60 y	42:02	1.41	122		2.50				122
PCB-167	8.02e+06	1.26 y	43:26	1.26	45.9		2.50	-	-	*	
13C-PCB-167	1.39e+07	1.27 y	43:24	1.13	109		2.50				109
PCB-156	7.83e+06	1.29 y	44:40	1.32	44.3		2.50	-	-	*	
13C-PCB-156	1.34e+07	1.29 y	44:38	1.08	111		2.50				111
PCB-157	7.89e+06	1.27 y	44:55	1.27	45.0		2.50	-	-	*	
13C-PCB-157	1.38e+07	1.27 y	44:53	1.10	112		2.50				112
PCB-169	7.79e+06	1.26 y	46:45	1.23	48.1		2.50	-	-	*	
13C-PCB-169	1.32e+07	1.30 y	46:45	1.04	113		2.50				113
PCB-188	5.22e+06	1.09 y	39:42	1.20	49.1		2.50	-	-	*	
13C-PCB-188	8.84e+06	1.14 y	39:40	0.90	87.7		2.50				87.7
PCB-189	4.61e+06	1.07 y	48:25	1.20	48.7		2.50	-	-	*	
13C-PCB-189	7.89e+06	1.09 y	48:25	0.74	95.5		2.50				95.5
PCB-202	3.13e+06	0.94 y	44:50	1.12	50.4		2.50	-	-	*	
13C-PCB-202	5.54e+06	0.91 y	44:48	0.55	89.2		2.50				89.2
13C-PCB-178	6.11e+06	1.08 y	42:20	0.66	82.4		2.50				82.4
13C-PCB-138	1.12e+07	1.31 y	41:32	-	37.2		2.50				

FAL ID: 05483-001-0001-OPR Filename: 16OCT20Z Sam:7 Acquired: 16-OCT-20 13:38:31 ICal: DAILY209FAL4-10-16-20 2 of 2
Client ID: OPR ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13387 GC Column: DB1MS Amount: 1.000

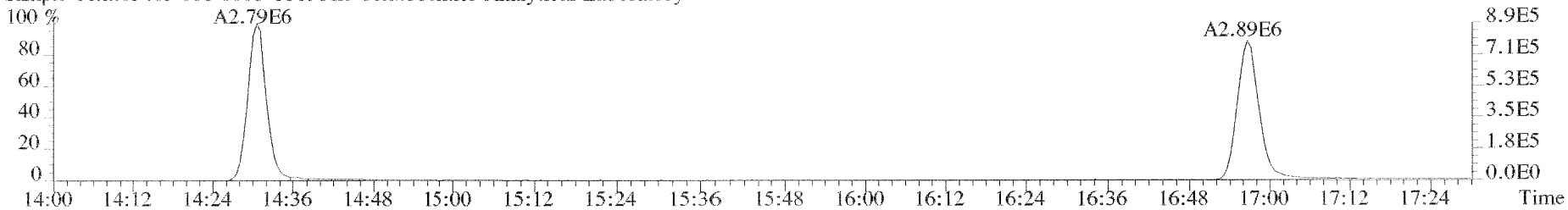
PCB-205	7.47e+06	0.89	y	50:05	1.14	46.3	2.50	-	-	*	
13C-PCB-205	1.42e+07	0.90	y	50:03	1.24	107	2.50				107
PCB-208	6.19e+06	1.35	y	49:08	1.13	47.4	2.50	-	-	*	
13C-PCB-208	1.15e+07	0.81	y	49:08	1.08	99.8	2.50				99.8
PCB-206	4.46e+06	1.34	y	51:17	1.17	46.6	2.50	-	-	*	
13C-PCB-206	8.15e+06	0.84	y	51:15	0.77	98.3	2.50				98.3
PCB-209	4.03e+06	1.24	y	52:27	1.27	47.1	2.50	-	-	*	
13C-PCB-209	6.76e+06	1.23	y	52:26	0.73	86.0	2.50				86.0
13C-PCB-194	1.07e+07	0.90	y	49:48	-	34.5	2.50				

Analyst: _____ Date: 10/14/20

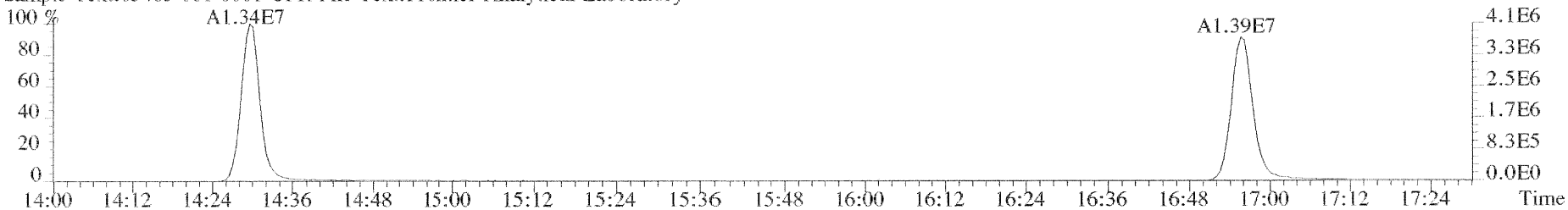
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



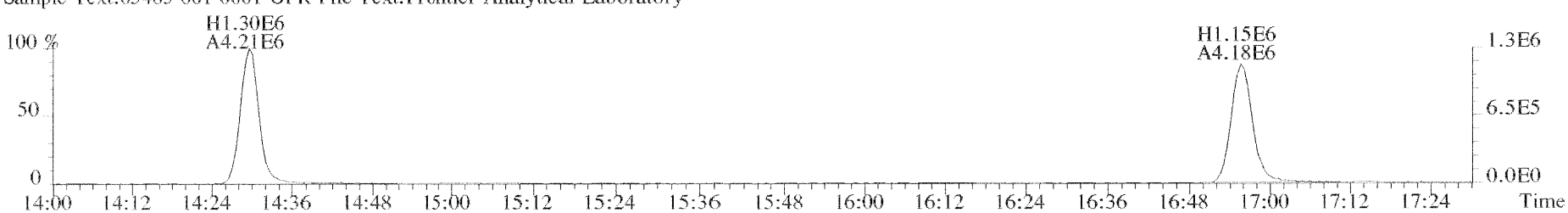
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



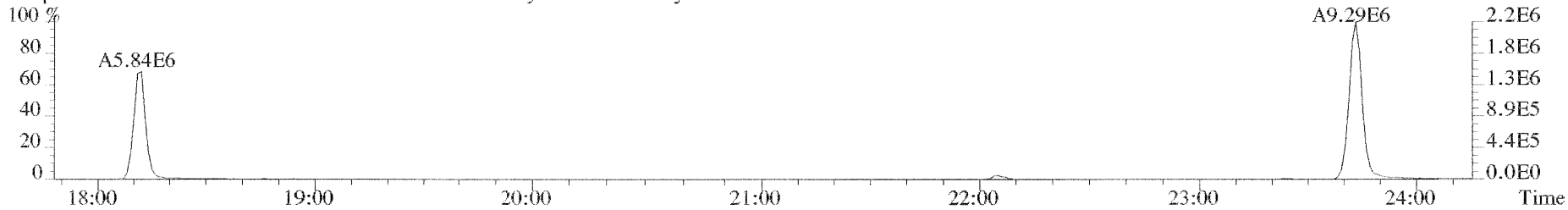
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



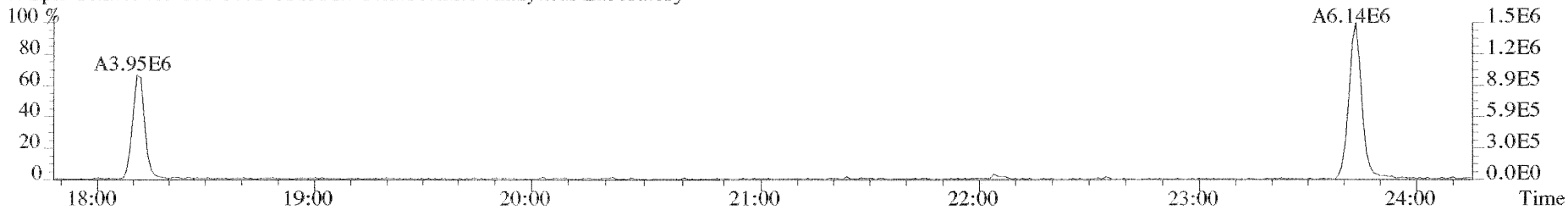
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



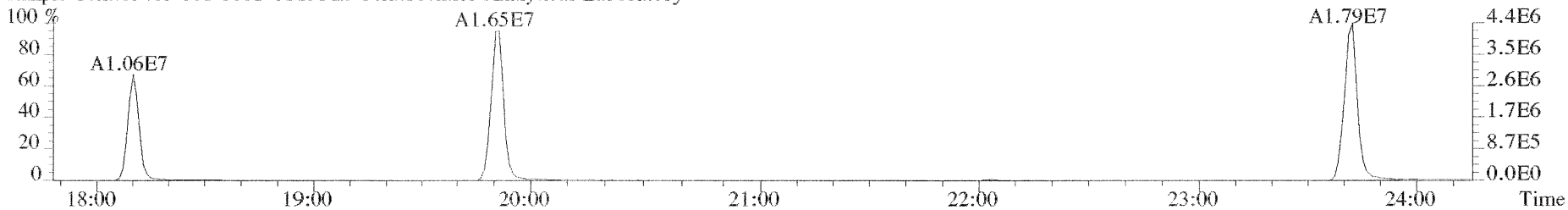
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



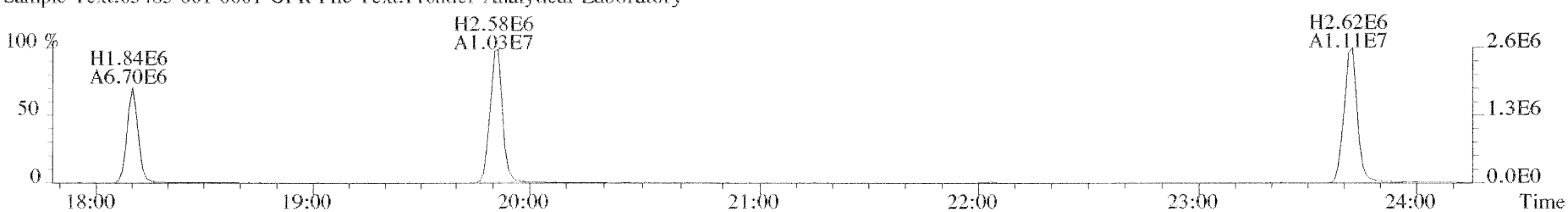
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



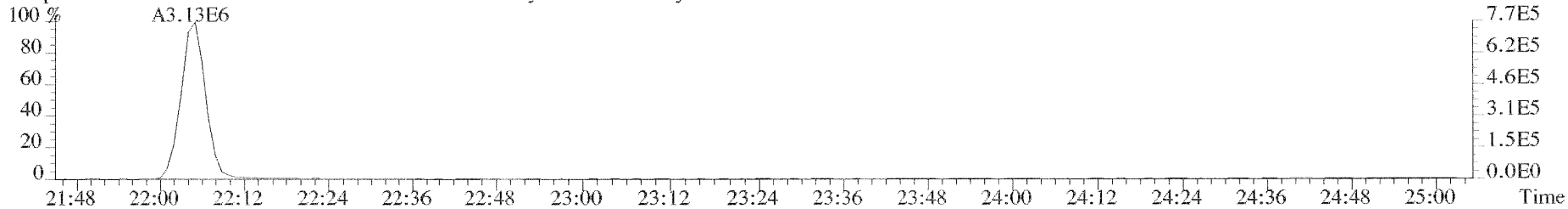
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



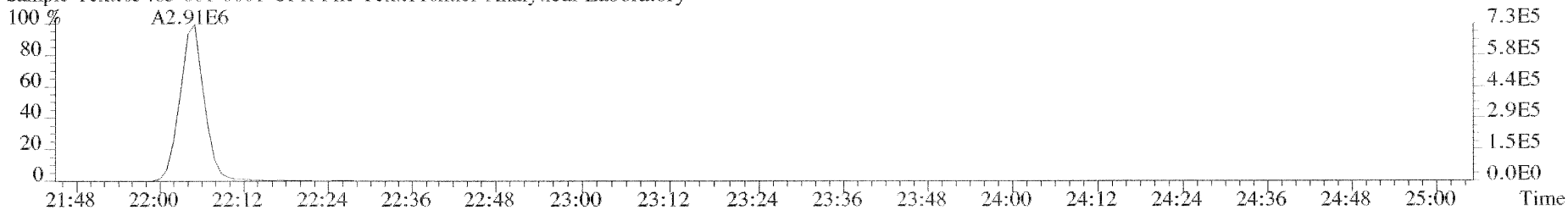
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



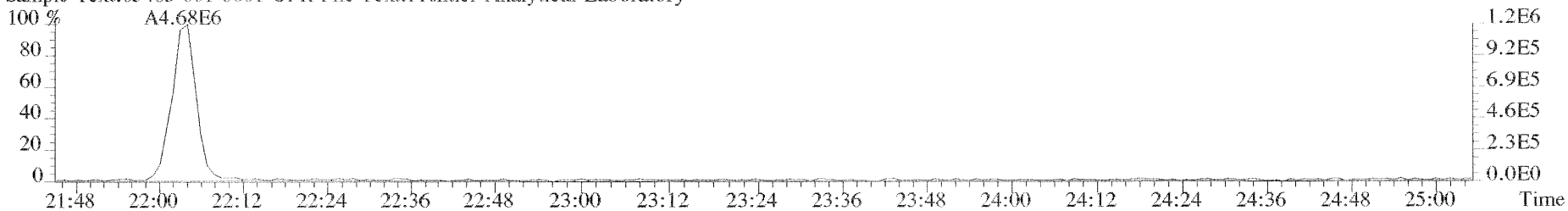
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



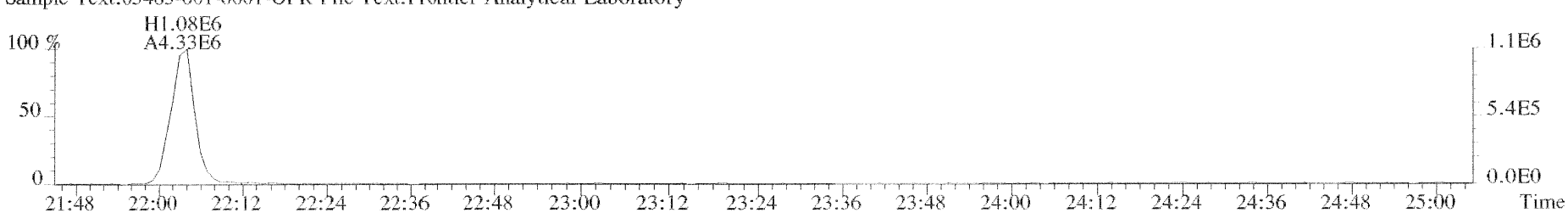
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



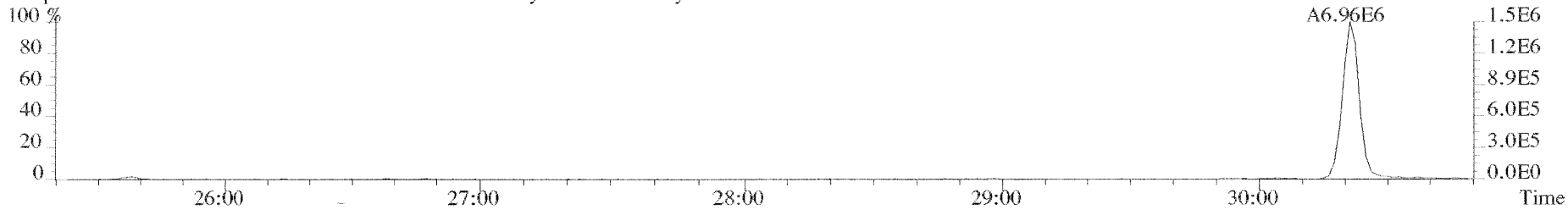
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



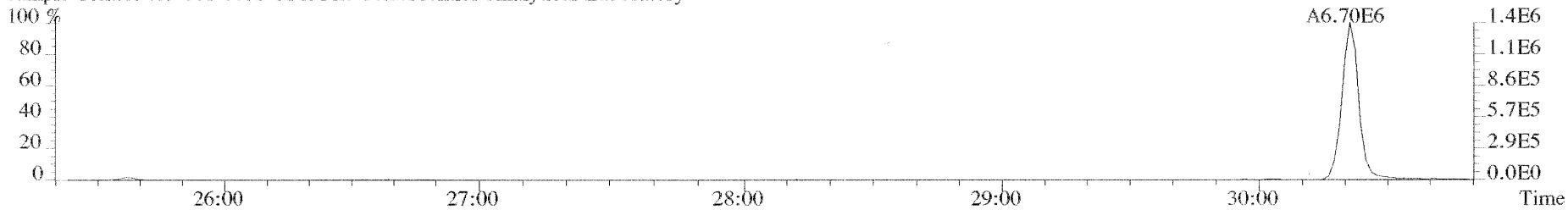
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



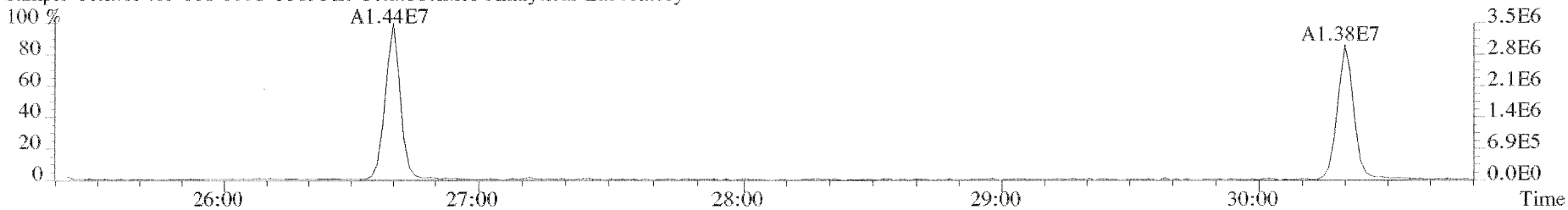
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



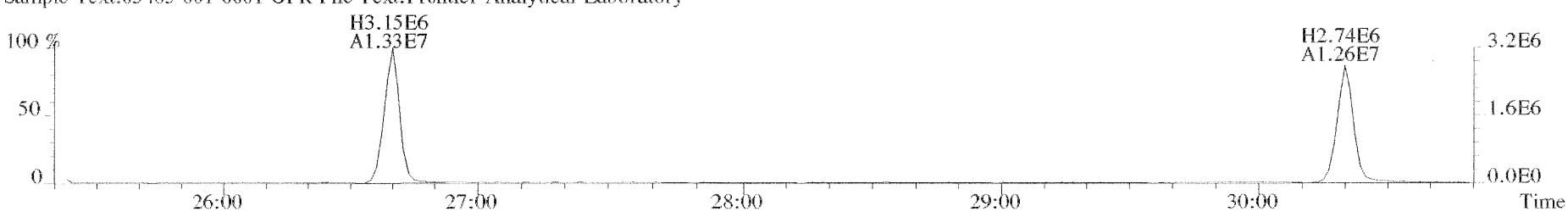
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



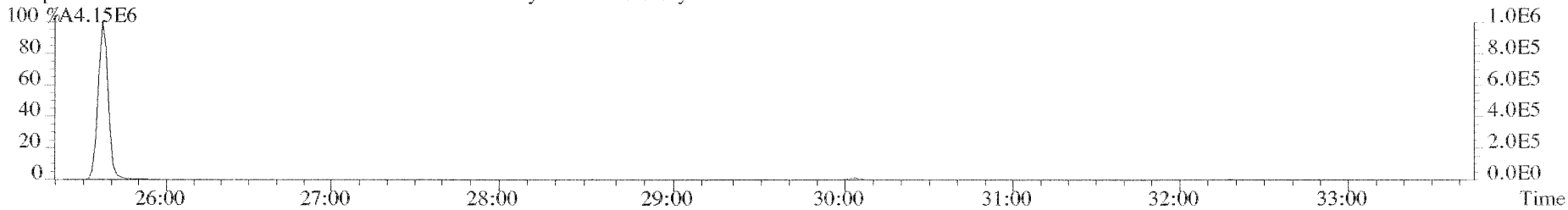
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



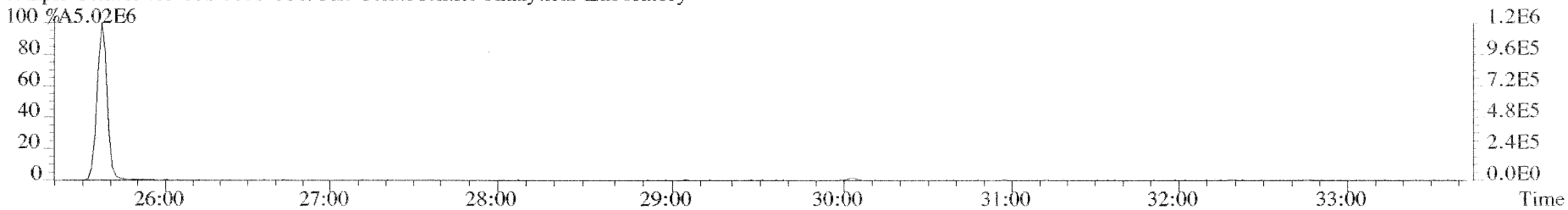
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



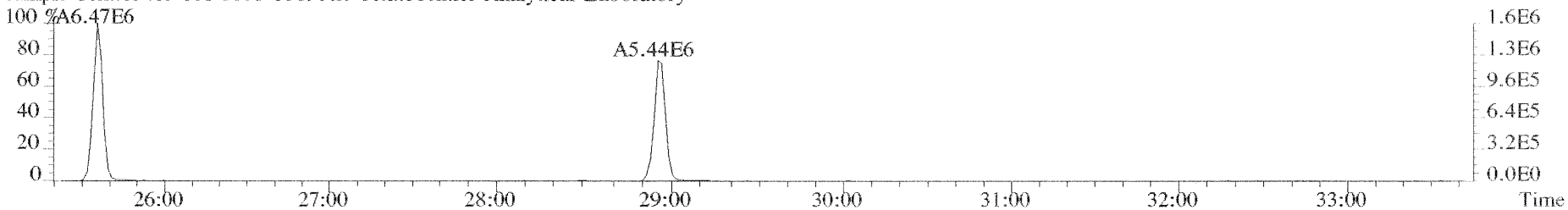
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



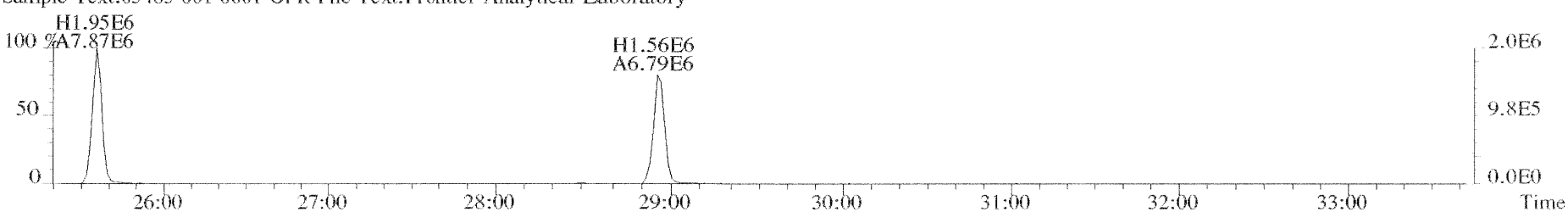
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



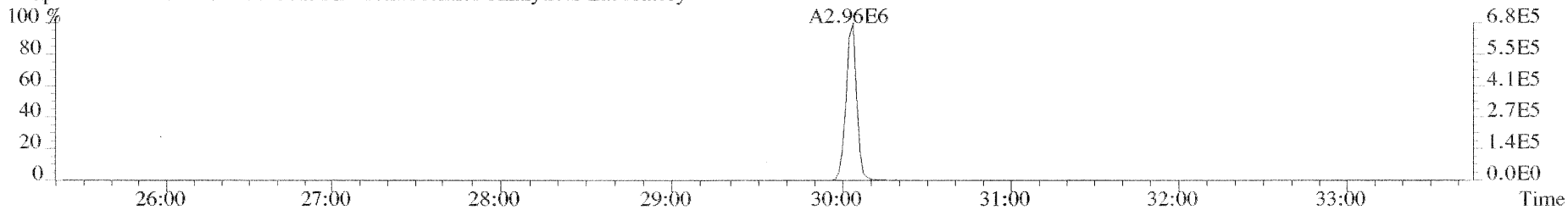
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



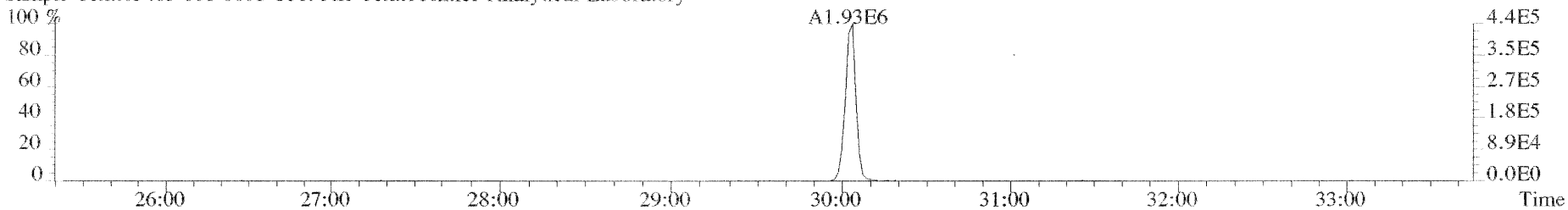
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



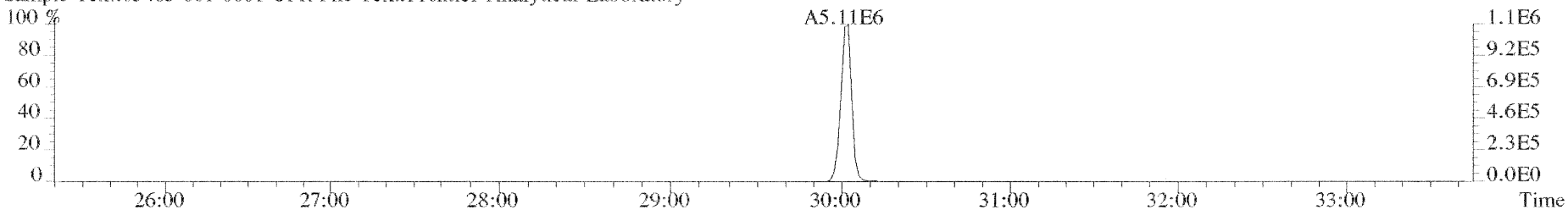
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



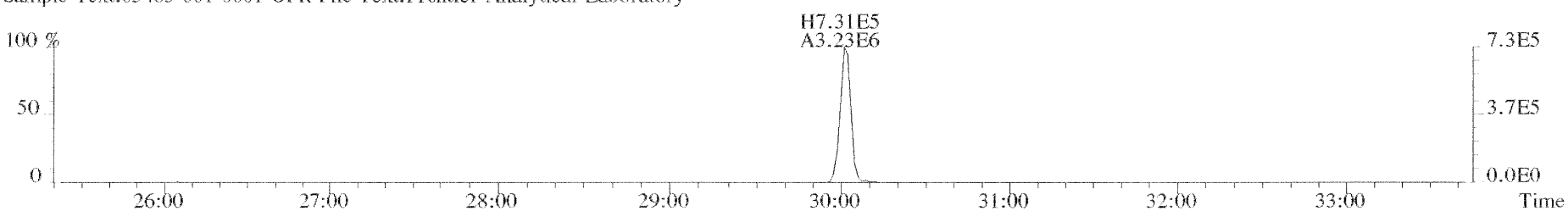
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



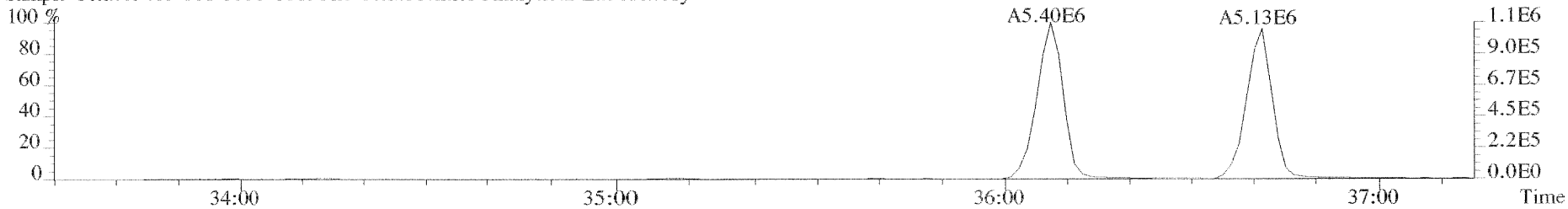
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



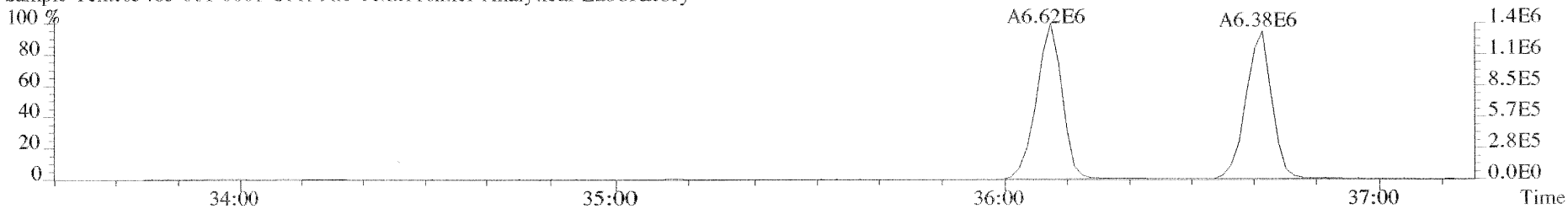
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



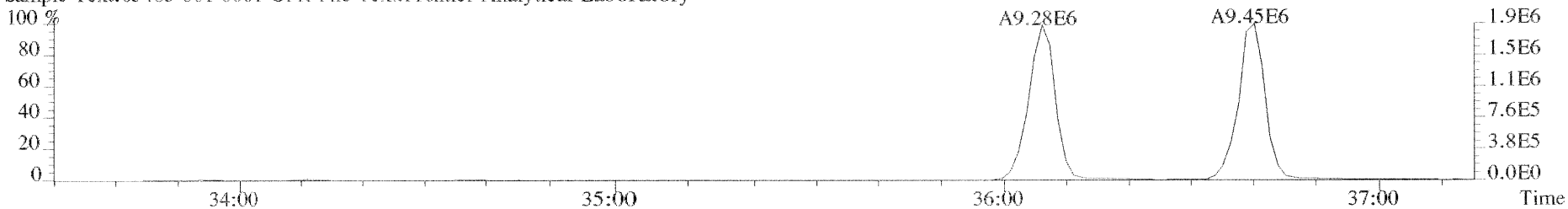
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



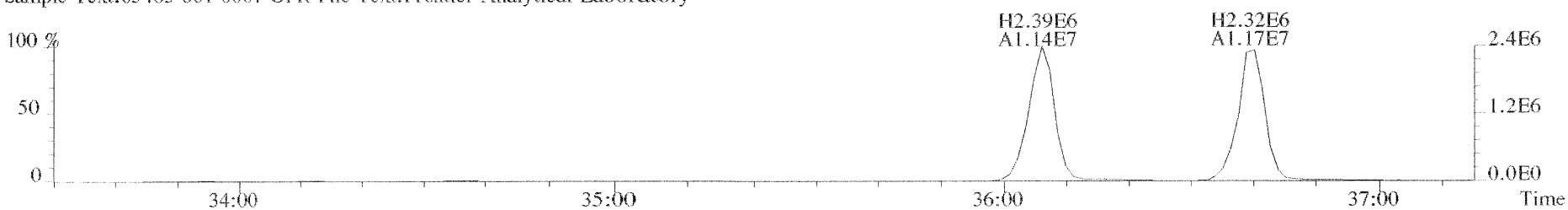
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



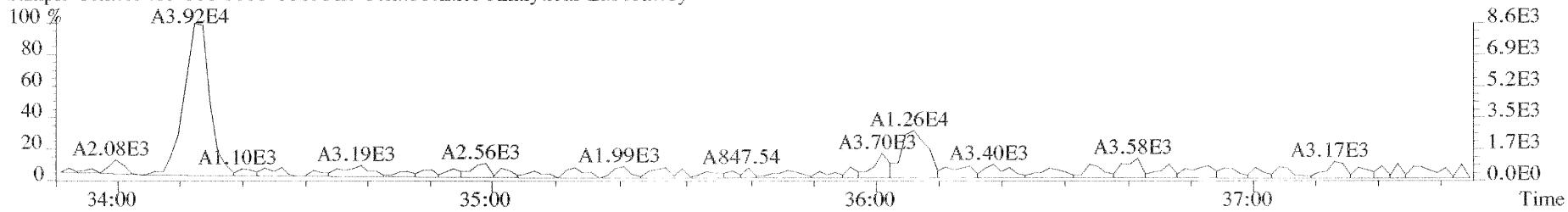
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



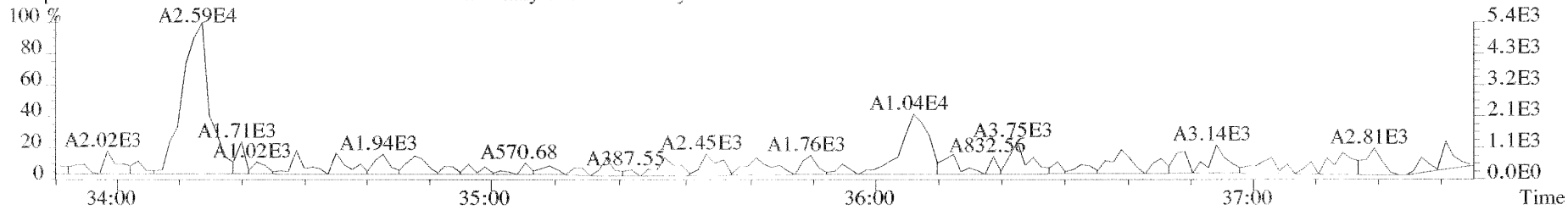
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



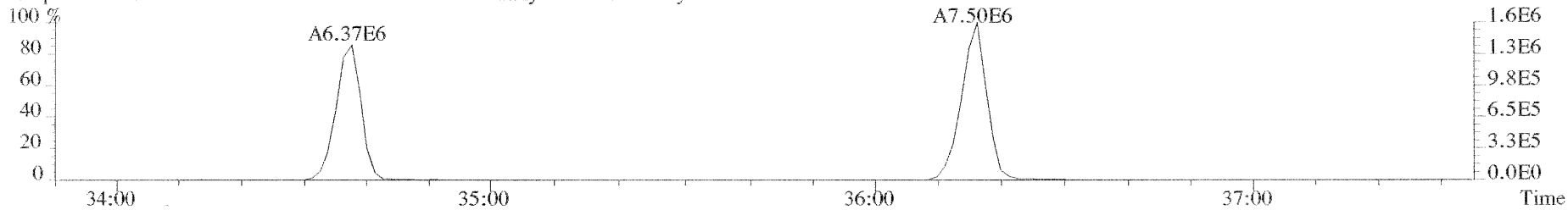
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



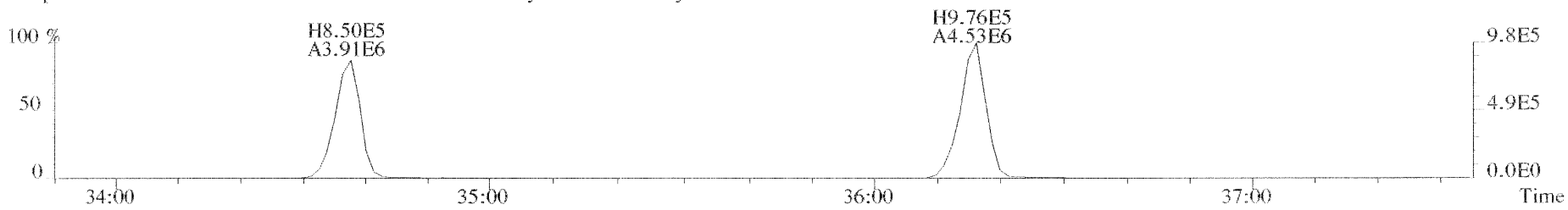
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



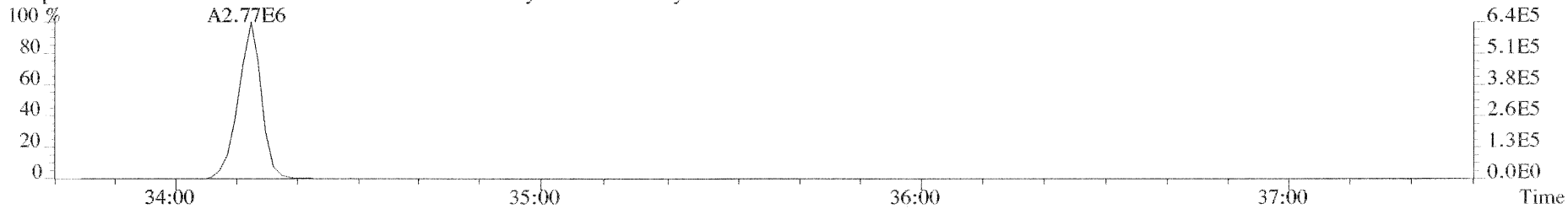
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



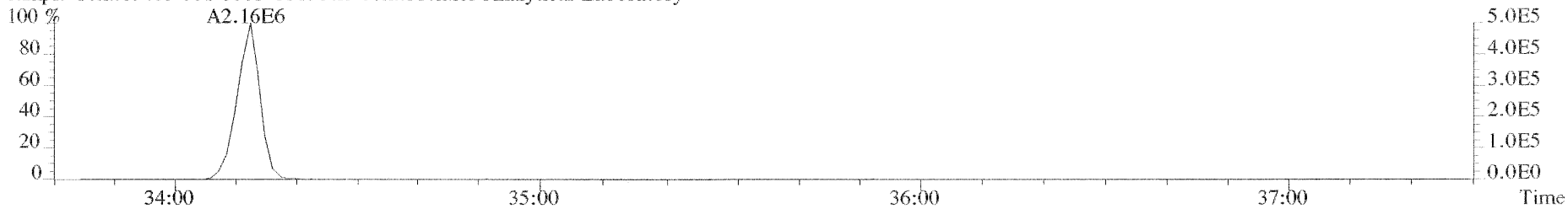
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



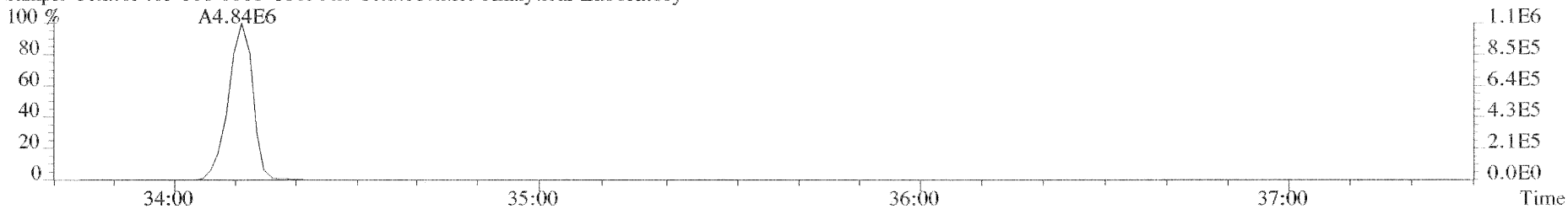
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



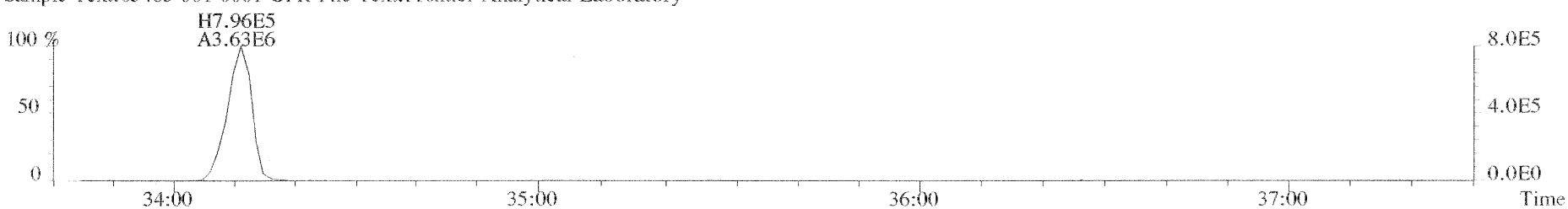
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



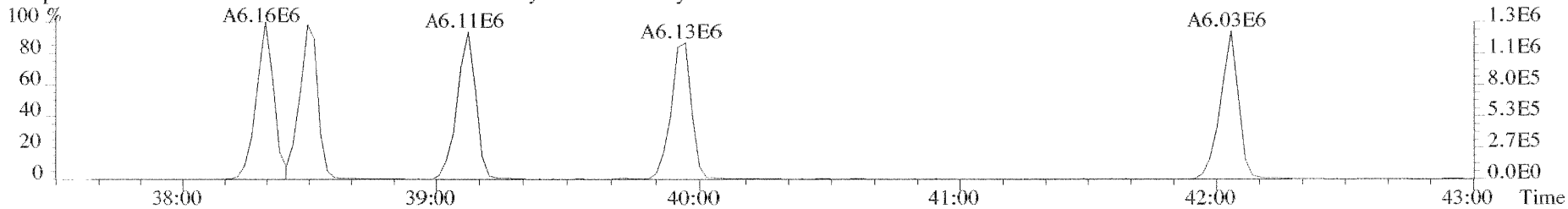
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



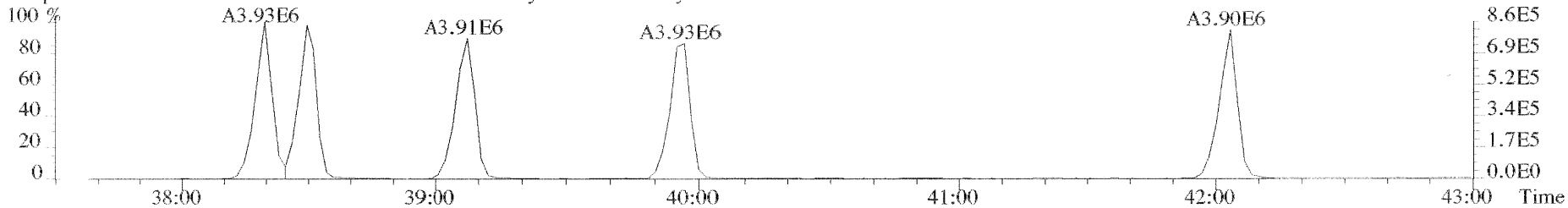
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



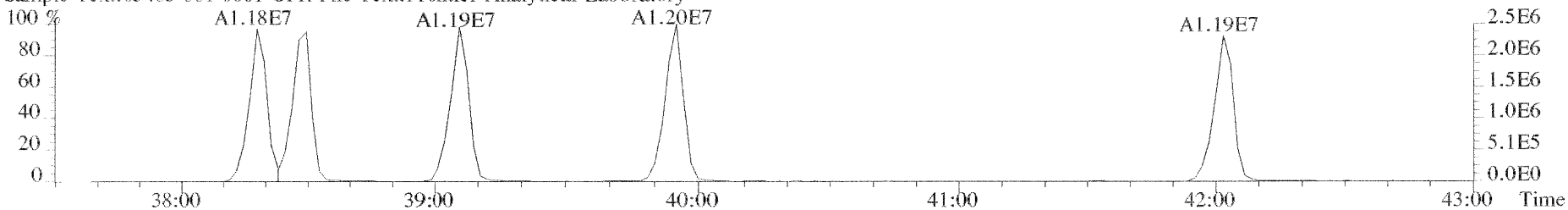
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



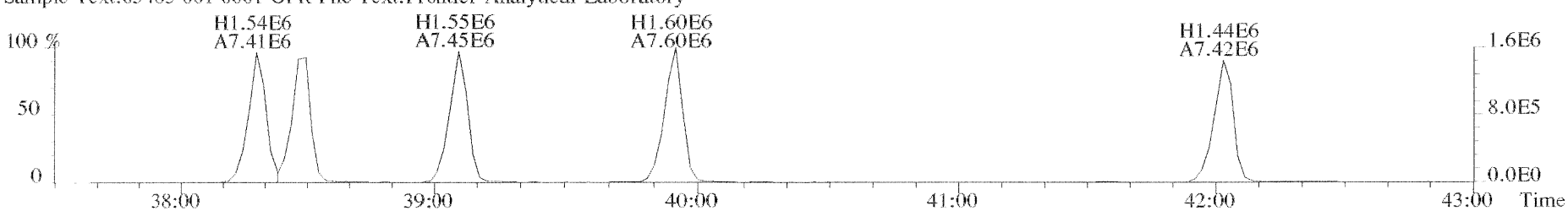
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



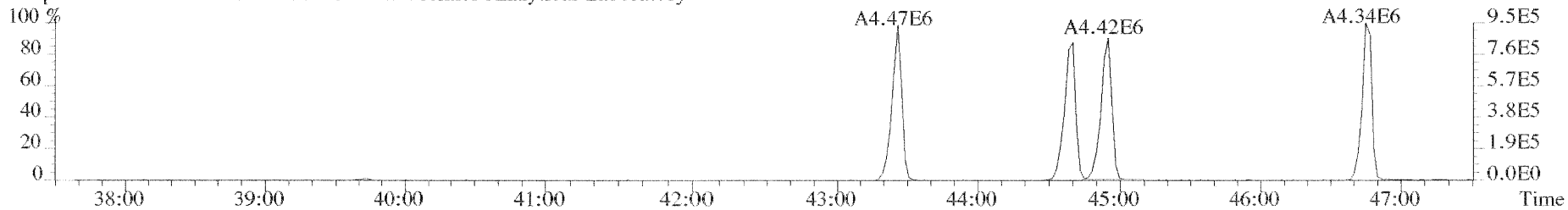
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



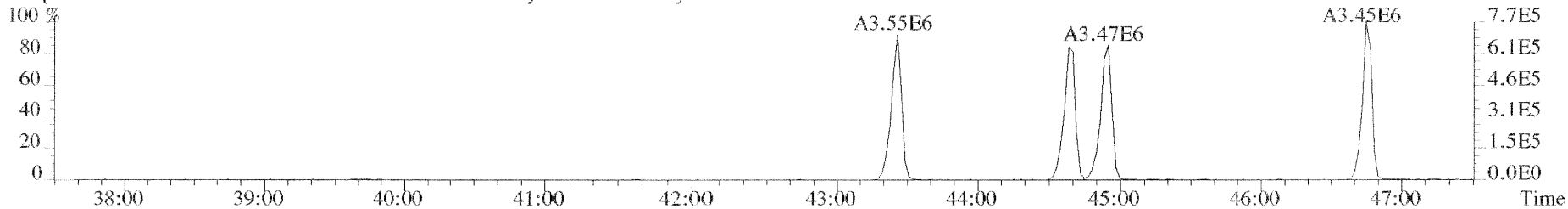
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



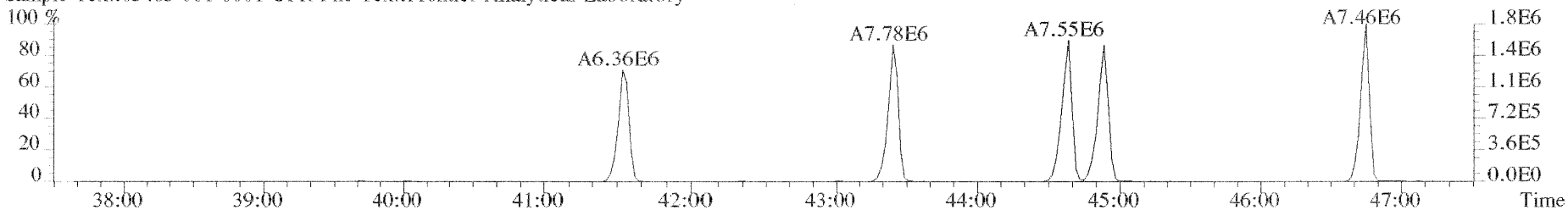
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



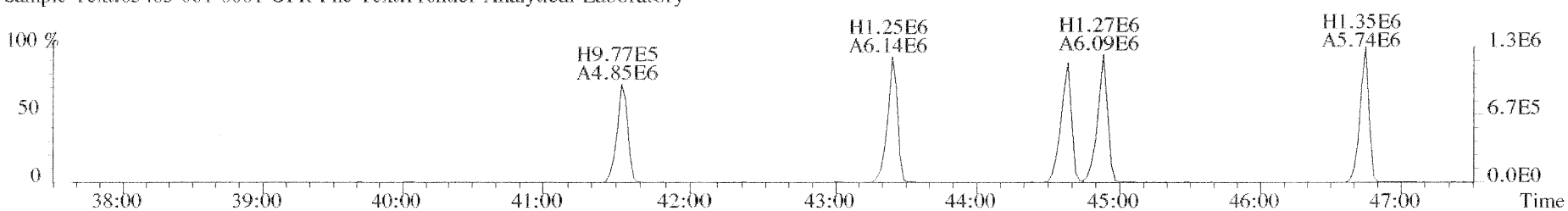
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



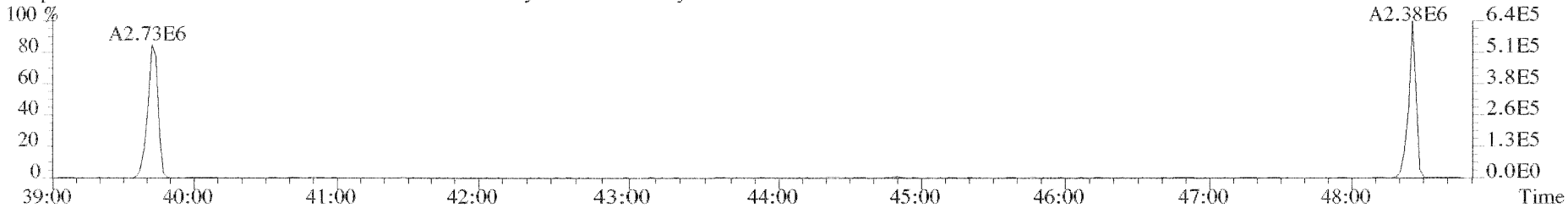
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



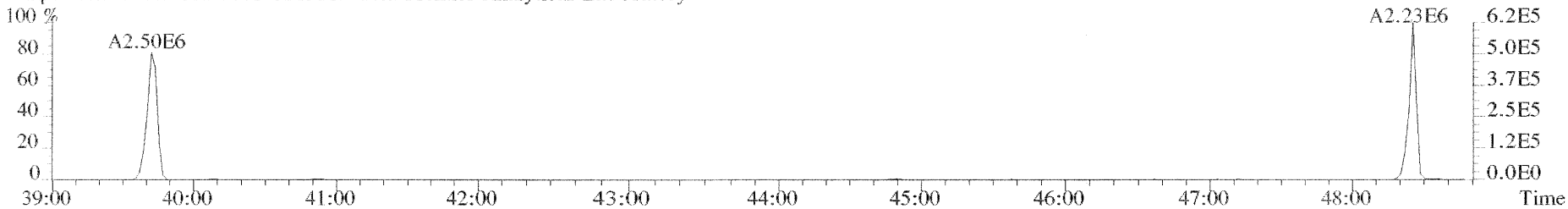
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



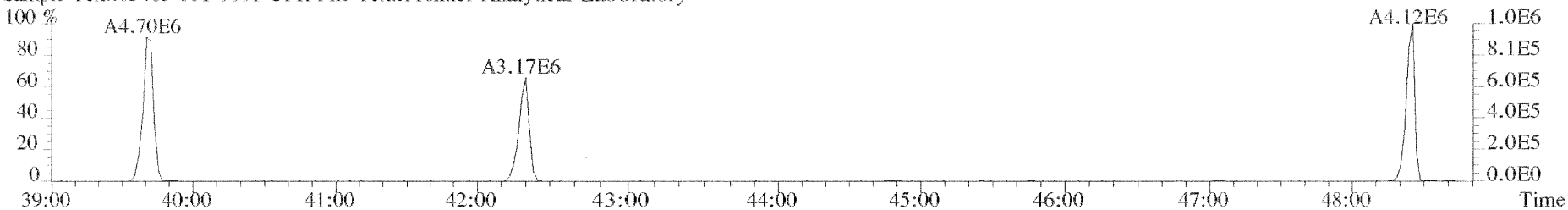
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



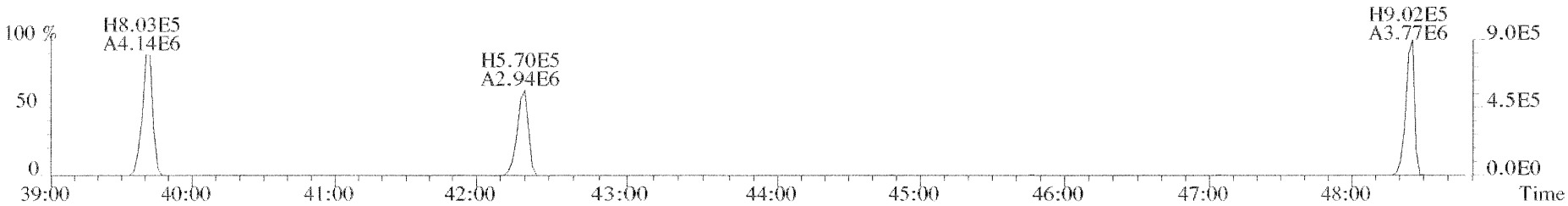
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



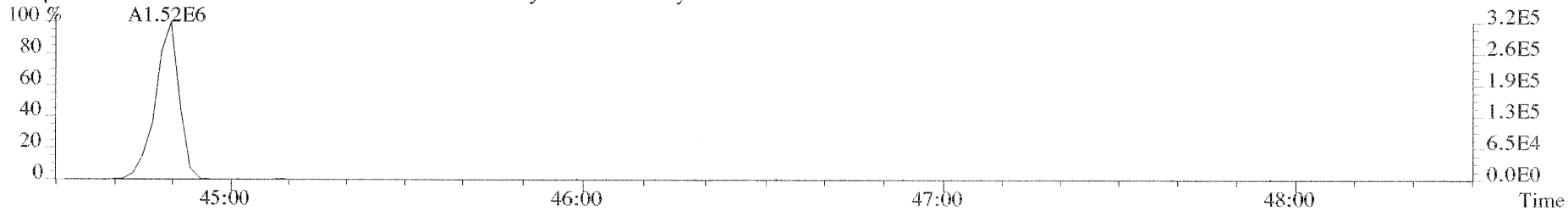
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



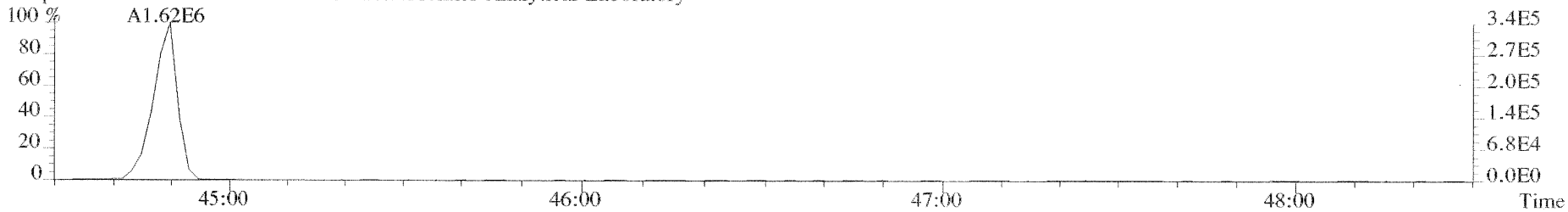
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



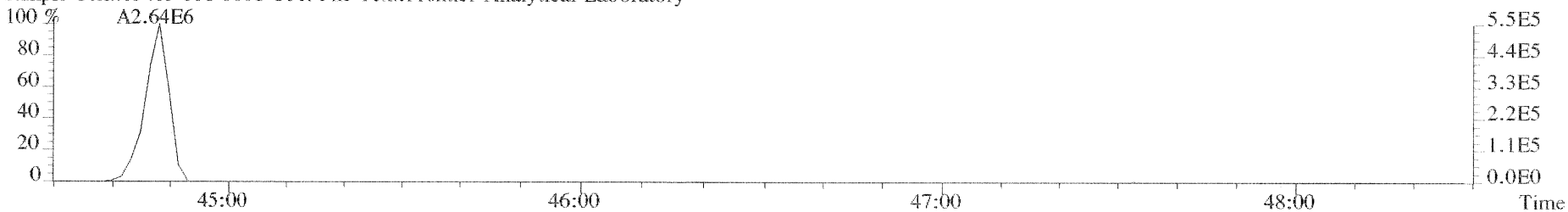
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



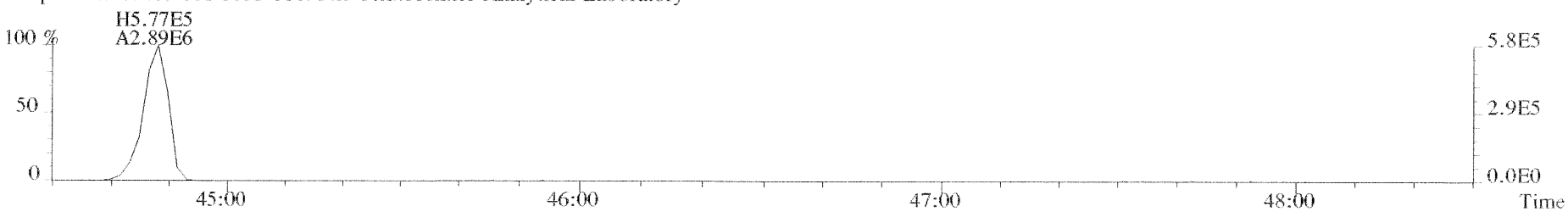
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



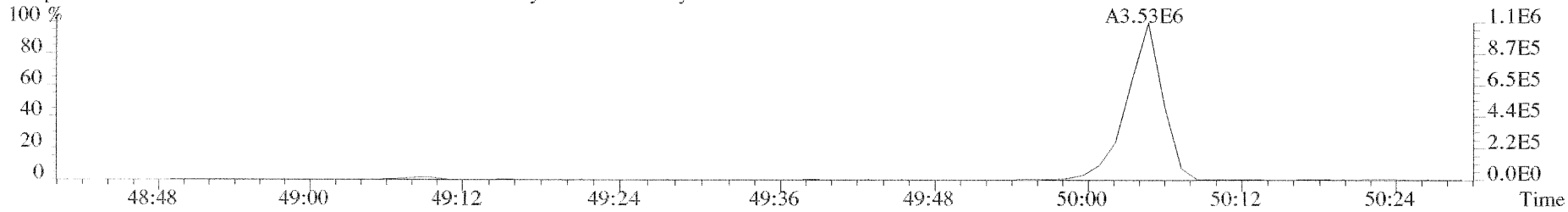
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



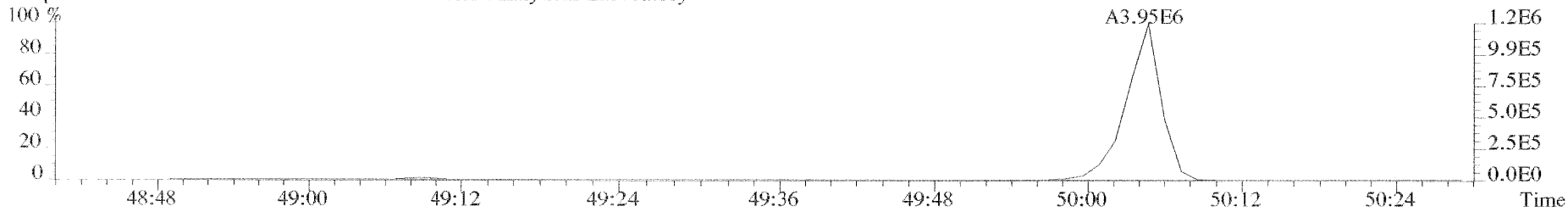
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



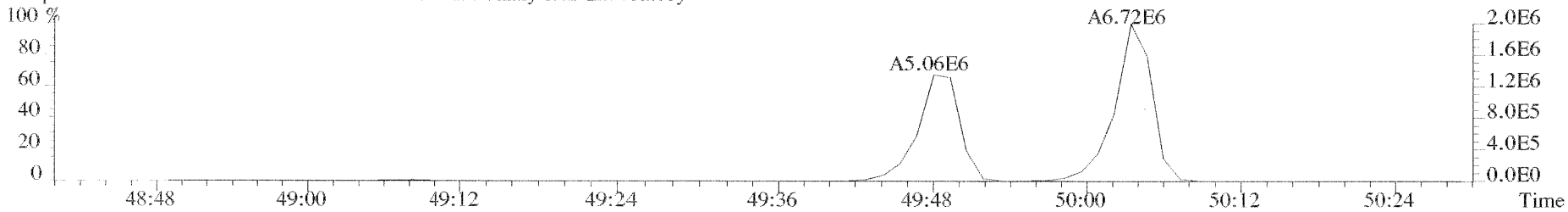
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



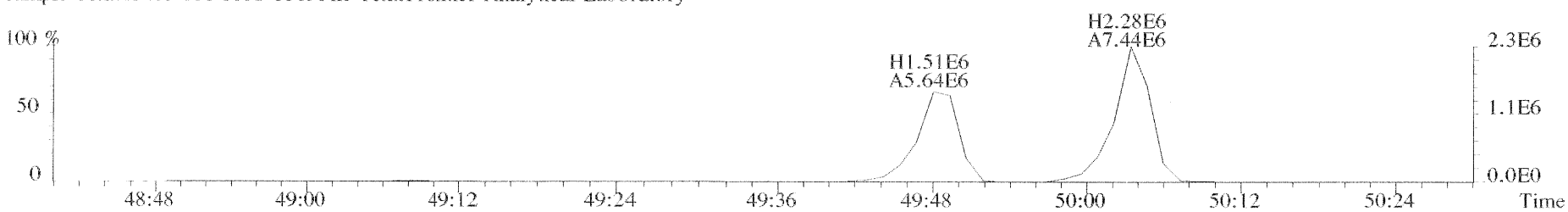
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



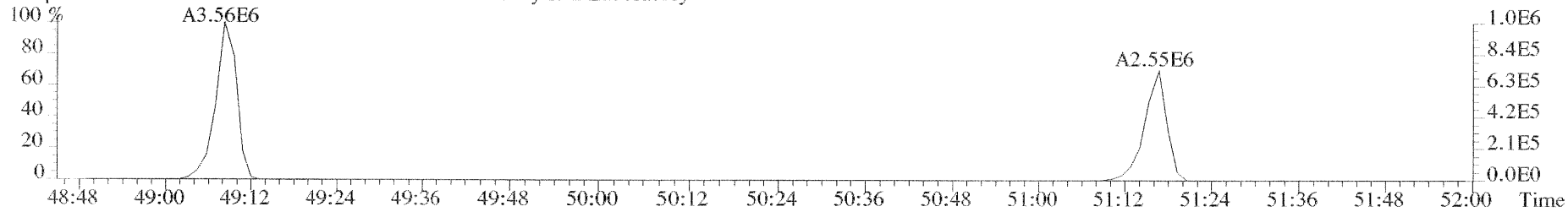
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



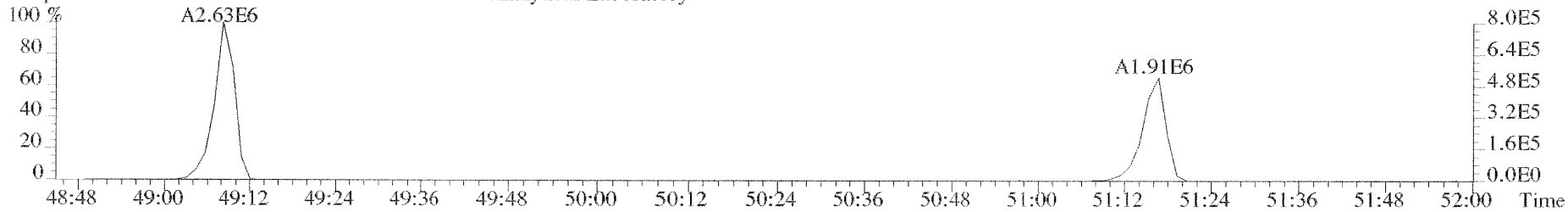
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



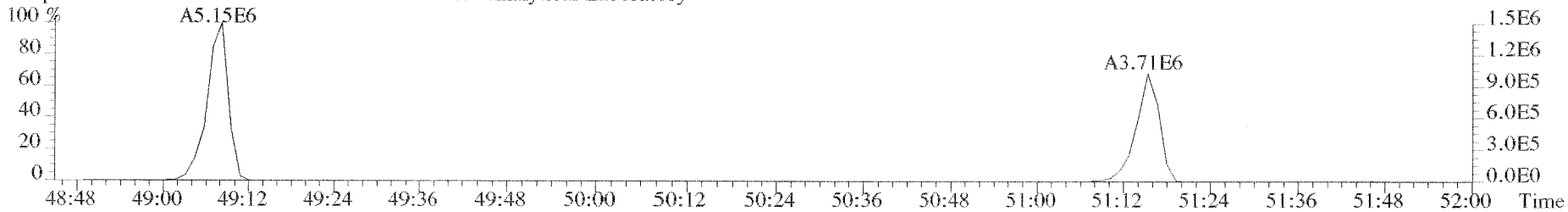
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



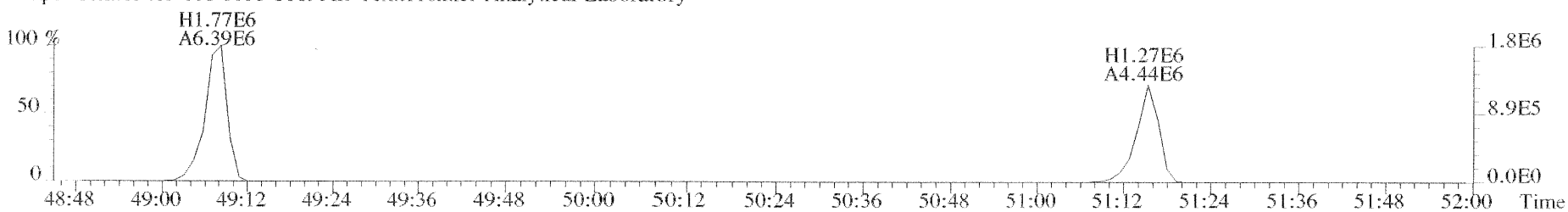
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



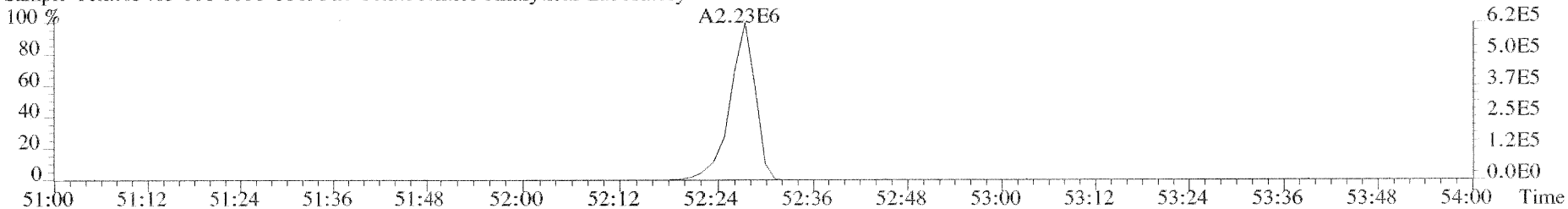
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



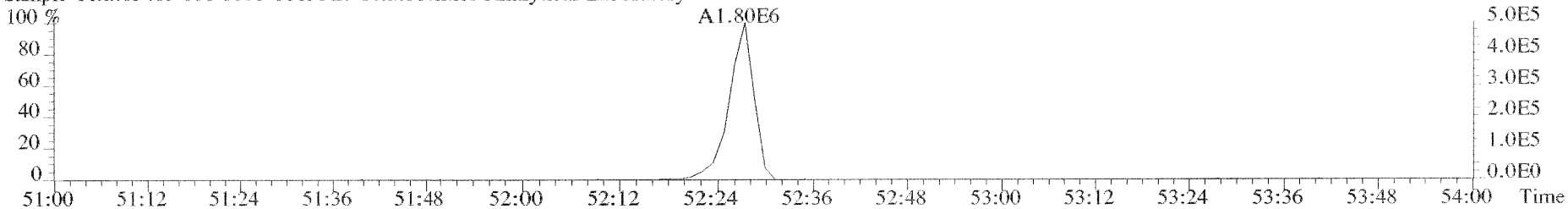
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



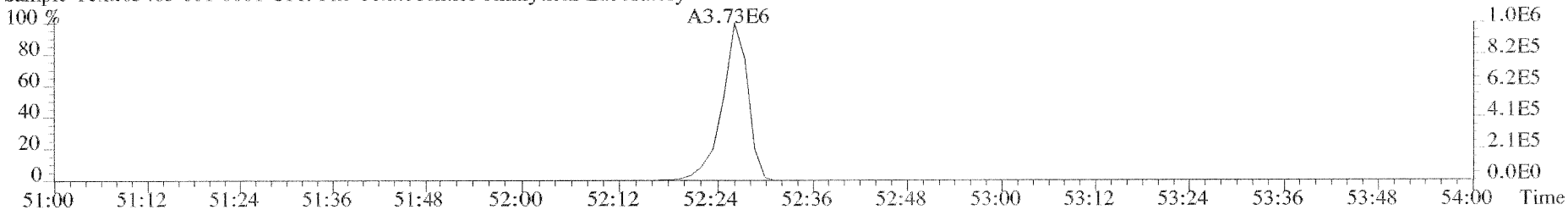
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



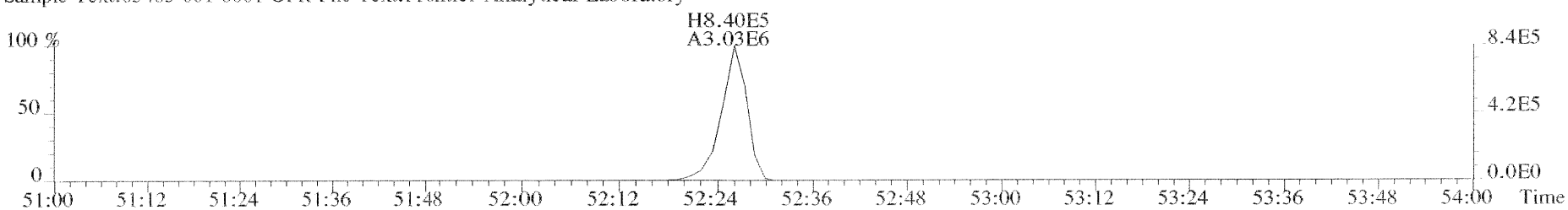
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13371-001-0001-SA Filename: 20OCT20Z Sam:4 Acquired: 20-OCT-20 11:36:10 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-EXTRA-S010-TB ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1630	1300	3.51			
13C-PCB-1	4.45e+07	3.26 y	14:30	0.87	8640					86.4	1.20e+07	3.73e+06
PCB-2	*	* n	NotFnd	1.31	*		1630	1300	3.75			
PCB-3	*	* n	NotFnd	1.32	*		1630	1300	3.95			
13C-PCB-3	4.41e+07	3.33 y	16:55	0.82	9000					90.0	1.08e+07	3.26e+06
PCB-4	*	* n	NotFnd	1.06	*		657	3210	8.59			
PCB-10	*	* n	NotFnd	1.30	*		657	3210	5.81			
13C-PCB-4	3.63e+07	1.59 y	18:10	0.65	9360					93.6	6.50e+06	4.13e+06
PCB-9	*	* n	NotFnd	1.28	*		657	3210	5.89			
PCB-7	*	* n	NotFnd	1.33	*		657	3210	5.69			
PCB-6	*	* n	NotFnd	1.42	*		657	3210	5.34			
PCB-8	*	* n	NotFnd	1.27	*		657	3210	5.96			
PCB-5	*	* n	NotFnd	1.23	*		657	3210	6.15			
PCB-14	1.06e+07	1.46 y	21:54	1.28	1740		-	-	*			
PCB-11	7.00e+05	1.51 y	23:02	1.23	119		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		657	3210	6.17			
PCB-12	*	* n	NotFnd	1.25	*		657	3210	6.07			
PCB-15	*	* n	NotFnd	1.12	*		675	3210	5.92			
13C-PCB-15	5.91e+07	1.61 y	23:40	1.02	9770					97.7	8.97e+06	5.61e+06
PCB-19	*	* n	NotFnd	1.27	*		987	640	5.61			
PCB-30	*	* n	NotFnd	1.90	*		987	640	3.75			
PCB-18	*	* n	NotFnd	1.28	*		987	640	5.56			
PCB-17	*	* n	NotFnd	1.42	*		987	640	5.02			
PCB-27	*	* n	NotFnd	1.89	*		987	640	3.77			
PCB-24	*	* n	NotFnd	1.83	*		987	640	3.89			
PCB-16	*	* n	NotFnd	1.61	*		987	640	4.42			
PCB-32	*	* n	NotFnd	1.67	*		987	640	4.28			
13C-PCB-19	2.12e+07	1.11 y	22:02	0.42	8510					85.1	2.97e+06	2.73e+06
13C-PCB-9	5.95e+07	1.61 y	19:50	-	81.4							
PCB-34	*	* n	NotFnd	1.07	*		1560	1230	6.54			
PCB-23	*	* n	NotFnd	1.13	*		1560	1230	6.21			
PCB-29	*	* n	NotFnd	1.09	*		1560	1230	6.40			
PCB-26	*	* n	NotFnd	1.07	*		1560	1230	6.55			
PCB-25	*	* n	NotFnd	1.06	*		1560	1230	6.62			
PCB-31	*	* n	NotFnd	1.32	*		1560	1230	5.31			
PCB-28	*	* n	NotFnd	1.32	*		1560	1230	5.31			
PCB-20	*	* n	NotFnd	1.08	*		1560	1230	6.48		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.08	*		1560	1230	6.48		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.08	*		1560	1230	6.48		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.20	*		1560	1230	5.83			
PCB-36	7.56e+06	1.04 y	28:15	1.13	1340		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1560	1230	6.19			
PCB-38	*	* n	NotFnd	1.08	*		1560	1230	6.46			
PCB-35	*	* n	NotFnd	1.10	*		1560	1230	6.39			
PCB-37	*	* n	NotFnd	1.14	*		1560	1230	6.16			
13C-PCB-37	4.99e+07	1.07 y	30:20	1.64	11200					112	5.16e+06	4.81e+06

PCB-54	*	*	n	NotFnd	1.36	*		654	984	4.33			
PCB-50	*	*	n	NotFnd	1.06	*		654	984	5.55			
PCB-53	*	*	n	NotFnd	1.04	*		654	984	5.69			
PCB-51	*	*	n	NotFnd	1.10	*		654	984	5.38			
PCB-45	*	*	n	NotFnd	0.92	*		654	984	6.44			
PCB-46	*	*	n	NotFnd	0.88	*		654	984	6.67			
PCB-52	5.74e+04	0.71	y	28:55	1.15	17.4	J	-	-	*			Co-elute PCB 69
PCB-69	5.74e+04	0.71	y	28:55	1.15	17.4	J	-	-	*			Co-elute PCB 52
PCB-73	6.15e+04	0.84	y	29:05	1.32	16.2	J	-	-	*			
PCB-43	*	*	n	NotFnd	0.99	*		654	984	5.94			Co-elute PCB 49
PCB-49	*	*	n	NotFnd	0.99	*		654	984	5.94			Co-elute PCB 43
PCB-47	4.82e+04	0.68	y	29:24	1.01	16.6	J	-	-	*			
PCB-48	*	*	n	NotFnd	1.31	*		654	984	4.49			Co-elute PCB 75
PCB-75	*	*	n	NotFnd	1.31	*		654	984	4.49			Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.33	*		654	984	4.44			
PCB-62	*	*	n	NotFnd	1.28	*		654	984	4.61			
PCB-44	*	*	n	NotFnd	0.87	*		654	984	6.80			
PCB-42	*	*	n	NotFnd	1.14	*		654	984	5.19			Co-elute PCB 59
PCB-59	*	*	n	NotFnd	1.14	*		654	984	5.19			Co-elute PCB 42
PCB-72	*	*	n	NotFnd	1.28	*		654	984	4.60			Co-elute PCB 41/71/64
PCB-41	*	*	n	NotFnd	1.28	*		654	984	4.60			Co-elute PCB 72/71/64
PCB-71	*	*	n	NotFnd	1.28	*		654	984	4.60			Co-elute PCB 72/41/64
PCB-64	*	*	n	NotFnd	1.28	*		654	984	4.60			Co-elute PCB 72/41/71
PCB-68	5.32e+04	0.66	y	31:10	1.49	12.5	J	-	-	*			
PCB-40	*	*	n	NotFnd	0.81	*		654	984	7.27			
PCB-57	*	*	n	NotFnd	1.41	*		654	984	4.18			
PCB-67	*	*	n	NotFnd	1.42	*		654	984	4.15			
PCB-58	*	*	n	NotFnd	1.39	*		654	984	4.26			
PCB-63	*	*	n	NotFnd	1.40	*		654	984	4.22			
PCB-74	*	*	n	NotFnd	1.42	*		654	984	4.15			
PCB-61	4.04e+04	0.80	y	32:44	1.28	11.0	J	-	-	*			Co-elute PCB 70
PCB-70	4.04e+04	0.80	y	32:44	1.28	11.0	J	-	-	*			Co-elute PCB 61
PCB-76	*	*	n	NotFnd	1.49	*		654	984	3.97			Co-elute PCB 66
PCB-66	*	*	n	NotFnd	1.49	*		654	984	3.97			Co-elute PCB 76
PCB-80	5.30e+04	0.86	y	33:09	1.69	10.9	J	-	-	*			
PCB-55	1.63e+05	0.88	y	33:29	1.49	38.0		-	-	*			
13C-PCB-54	2.87e+07	0.83	y	25:34	1.13	9410					94.1	3.17e+06	3.76e+06
PCB-104	6.35e+06	1.61	y	30:02	1.18	2990		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		452	500	5.39			
PCB-103	*	*	n	NotFnd	0.95	*		452	500	6.50			
PCB-100	*	*	n	NotFnd	0.96	*		452	500	6.46			
PCB-94	*	*	n	NotFnd	0.79	*		452	500	7.76			
PCB-98	*	*	n	NotFnd	0.86	*		452	500	7.17			Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.86	*		452	500	7.17			Co-elute PCB 98
PCB-95	*	*	n	NotFnd	0.83	*		452	500	7.40			
PCB-93	*	*	n	NotFnd	0.83	*		452	500	7.40			
PCB-88	*	*	n	NotFnd	0.87	*		452	500	7.08			Co-elute PCB 91
PCB-91	*	*	n	NotFnd	0.87	*		452	500	7.08			Co-elute PCB 88
PCB-121	8.83e+06	1.59	y	33:29	1.18	4150		452	500	5.23			
13C-PCB-104	1.81e+07	1.61	y	30:01	0.90	7420					74.2	2.39e+06	1.47e+06
13C-PCB-28	5.58e+07	1.04	y	26:39	1.90	10800					108	6.70e+06	6.31e+06
13C-PCB-52	2.71e+07	0.82	y	28:55	-	68.2							

PCB-56	*	*	n	NotFnd	1.10	*		789	1010	5.30			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.10	*		789	1010	5.30			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		789	1010	4.66			
PCB-78	1.82e+07	0.78	y	35:37	1.21	3870		-	-	*			
PCB-81	*	*	n	NotFnd	1.30	*		789	1010	4.48			
13C-PCB-81	3.81e+07	0.82	y	36:06	1.63	10900					109	3.47e+06	4.27e+06
PCB-77	*	*	n	NotFnd	1.16	*		789	1010	5.07			
13C-PCB-77	3.98e+07	0.82	y	36:40	1.71	10800					108	3.48e+06	4.21e+06
PCB-155	9.89e+06	1.30	y	34:12	1.22	4670		-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*		620	696	7.73			
PCB-152	*	*	n	NotFnd	1.19	*		620	696	7.84			
PCB-145	*	*	n	NotFnd	1.18	*		620	696	7.90			
PCB-136	*	*	n	NotFnd	1.08	*		620	696	8.65			
PCB-148	*	*	n	NotFnd	1.02	*		620	696	9.15			
PCB-154	*	*	n	NotFnd	1.05	*		620	696	8.84			
13C-PCB-155	1.73e+07	1.31	y	34:11	0.99	8160					81.6	2.02e+06	1.52e+06
13C-PCB-111	2.54e+07	1.62	y	36:16	1.27	9340					93.4	3.12e+06	1.89e+06
13C-PCB-101	2.15e+07	1.67	y	34:36	-	61.2							
PCB-84	1.32e+05	1.76	y	34:12	0.70	54.4		-	-	*			Co-elute PCB 92
PCB-92	1.32e+05	1.76	y	34:12	0.70	54.4		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		756	687	7.45			
PCB-90	3.60e+04	1.41	y	34:37	0.79	13.1	J	-	-	*			Co-elute PCB 101
PCB-101	3.60e+04	1.41	y	34:37	0.79	13.1	J	-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		756	687	5.53			
PCB-99	*	*	n	NotFnd	0.84	*		756	687	6.08			
PCB-119	*	*	n	NotFnd	1.01	*		756	687	5.05			
PCB-83	*	*	n	NotFnd	0.80	*		756	687	6.37			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.80	*		756	687	6.37			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		756	687	5.25			
PCB-97	*	*	n	NotFnd	0.67	*		756	687	7.68			
PCB-86	*	*	n	NotFnd	0.68	*		756	687	7.48			
PCB-125	*	*	n	NotFnd	0.91	*		756	687	5.65			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.91	*		756	687	5.65			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.91	*		756	687	5.65			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*		756	687	5.22			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*		756	687	5.22			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.87	*		756	687	5.86			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.87	*		756	687	5.86			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		756	687	4.75			
PCB-110	*	*	n	NotFnd	0.99	*		756	687	5.16			
PCB-82	*	*	n	NotFnd	0.61	*		756	687	8.35			
PCB-124	*	*	n	NotFnd	1.06	*		789	654	4.82			
PCB-108	*	*	n	NotFnd	1.11	*		789	654	4.62			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.11	*		789	654	4.62			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*		789	654	5.14			
13C-PCB-123	3.37e+07	1.59	y	38:18	1.29	11700					117	4.32e+06	2.72e+06
PCB-118	*	*	n	NotFnd	1.07	*		789	654	5.09			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.07	*		789	654	5.09			Co-elute PCB 118
13C-PCB-118	3.49e+07	1.61	y	38:29	1.39	11300					113	4.09e+06	2.55e+06
PCB-114	*	*	n	NotFnd	1.08	*		789	654	4.41			
13C-PCB-114	3.57e+07	1.59	y	39:06	1.37	11700					117	4.69e+06	2.89e+06
PCB-122	*	*	n	NotFnd	1.15	*		789	654	4.45			
PCB-105	*	*	n	NotFnd	1.15	*		789	654	4.47			
13C-PCB-105	3.39e+07	1.59	y	39:55	1.37	11100					111	4.30e+06	2.72e+06

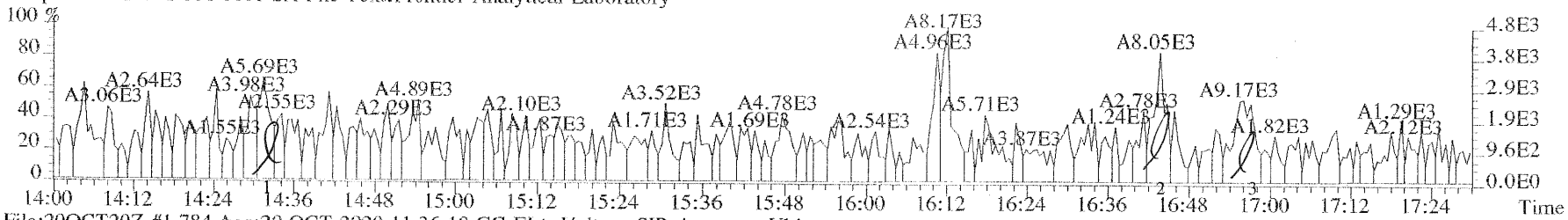
PCB-127	*	*	n	NotFnd	1.05	*		789	654	4.87			
PCB-126	*	*	n	NotFnd	1.07	*		789	654	4.90			
13C-PCB-126	3.29e+07	1.62	y	42:02	1.35	11000					110	4.22e+06	2.64e+06
PCB-151	*	*	n	NotFnd	0.85	*		810	759	8.18			
PCB-135	*	*	n	NotFnd	0.80	*		810	759	8.67			
PCB-144	*	*	n	NotFnd	1.06	*		810	759	6.59			
PCB-147	*	*	n	NotFnd	0.96	*		810	759	7.28			
PCB-139	*	*	n	NotFnd	0.99	*		810	759	7.05	Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	0.99	*		810	759	7.05	Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	0.95	*		810	759	7.31			
PCB-143	*	*	n	NotFnd	0.81	*		810	759	8.58	Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.81	*		810	759	8.58	Co-elute PCB 143		
PCB-131	1.86e+06	1.29	y	39:29	0.84	903		810	759	8.34	Co-elute PCB 133		
PCB-133	1.86e+06	1.29	y	39:29	0.84	903		810	759	8.34	Co-elute PCB 131		
PCB-142	1.86e+06	1.29	y	39:29	0.83	914		-	-	*			
PCB-165	4.28e+04	1.06	y	39:40	1.04	16.7	J	-	-	*	Co-elute PCB 146		
PCB-146	4.28e+04	1.06	y	39:40	1.04	16.7	J	-	-	*	Co-elute PCB 165		
PCB-161	5.25e+04	1.31	y	39:53	1.00	21.3		-	-	*	Co-elute PCB 132		
PCB-132	5.25e+04	1.31	y	39:53	1.00	21.3		-	-	*	Co-elute PCB 161		
PCB-153	1.59e+05	1.35	y	40:08	1.17	55.4		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		810	759	5.91			
PCB-141	*	*	n	NotFnd	0.93	*		810	759	7.52			
PCB-137	*	*	n	NotFnd	0.88	*		810	759	7.96			
PCB-130	*	*	n	NotFnd	0.87	*		810	759	8.00			
PCB-138	*	*	n	NotFnd	1.14	*		810	759	6.14	Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.14	*		810	759	6.14	Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.14	*		810	759	6.14	Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.25	*		810	759	5.58	Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.25	*		810	759	5.58	Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.81	*		810	759	8.64			
PCB-166	*	*	n	NotFnd	1.22	*		810	759	5.73			
PCB-159	*	*	n	NotFnd	1.33	*		810	759	5.26			
PCB-128	*	*	n	NotFnd	1.06	*		810	759	6.57	Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.06	*		810	759	6.57	Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.23	*		810	759	6.24			
13C-PCB-167	2.51e+07	1.30	y	43:26	1.14	9880					98.8	2.85e+06	2.24e+06
PCB-156	*	*	n	NotFnd	1.29	*		810	759	5.48			
13C-PCB-156	2.48e+07	1.31	y	44:38	1.12	9910					99.1	3.18e+06	2.38e+06
PCB-157	*	*	n	NotFnd	1.24	*		810	759	5.75			
13C-PCB-157	2.50e+07	1.30	y	44:53	1.14	9810					98.1	3.07e+06	2.40e+06
PCB-169	*	*	n	NotFnd	1.20	*		810	759	4.91			
13C-PCB-169	2.39e+07	1.29	y	46:45	1.17	9190					91.9	3.73e+06	2.90e+06

FAL ID: 13371-001-0001-SA Filename: 20OCT20Z Sam:4 Acquired: 20-OCT-20 11:36:10 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-EXTRA-S010-TB ConCal: ST10202021 EndCal: ST10202022
Results: 13371 GC Column: DB1MS Amount: 1.000

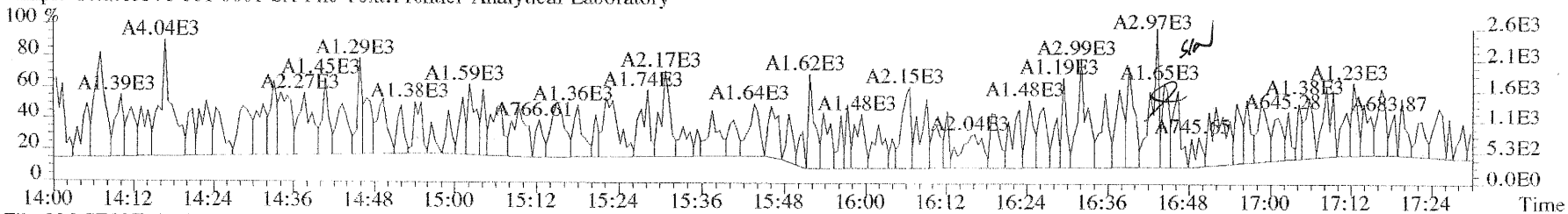
PCB-188	*	*	n	NotFnd	1.21	*	489	423	5.71			
13C-PCB-188	1.64e+07	1.07	y	39:42	0.86	8520				85.2	1.72e+06	1.58e+06
PCB-184	1.16e+07	1.06	y	40:08	1.31	5530	-	-	*			
PCB-179	*	*	n	NotFnd	1.28	*	489	423	4.67			
PCB-176	*	*	n	NotFnd	1.26	*	489	423	4.72			
PCB-186	*	*	n	NotFnd	1.22	*	489	423	4.88			
PCB-178	*	*	n	NotFnd	0.90	*	489	423	6.64			
PCB-175	*	*	n	NotFnd	0.93	*	489	423	6.41			
PCB-187	*	*	n	NotFnd	1.02	*	489	423	5.84	Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.02	*	489	423	5.84	Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	0.99	*	489	423	6.00			
PCB-185	*	*	n	NotFnd	0.94	*	489	423	6.32			
PCB-174	*	*	n	NotFnd	0.94	*	489	423	6.38			
PCB-181	*	*	n	NotFnd	0.91	*	489	423	6.56			
PCB-177	*	*	n	NotFnd	0.84	*	489	423	7.09			
PCB-171	*	*	n	NotFnd	0.92	*	489	423	6.50			
PCB-173	*	*	n	NotFnd	0.83	*	489	423	7.22			
PCB-172	1.68e+05	1.07	y	45:24	0.87	121	-	-	*			
PCB-192	8.60e+06	1.08	y	45:37	1.14	4750	-	-	*			
PCB-180	*	*	n	NotFnd	0.89	*	489	423	6.67			
PCB-193	*	*	n	NotFnd	1.23	*	489	423	4.84			
PCB-191	*	*	n	NotFnd	1.27	*	489	423	4.71			
PCB-170	*	*	n	NotFnd	0.89	*	489	423	6.67			
PCB-190	*	*	n	NotFnd	1.18	*	489	423	5.03			
PCB-189	*	*	n	NotFnd	1.21	*	489	423	4.09			
13C-PCB-189	1.55e+07	1.12	y	48:25	0.88	7900				79.0	2.45e+06	2.15e+06
PCB-202	*	*	n	NotFnd	1.16	*	410	456	7.30			
PCB-201	*	*	n	NotFnd	1.24	*	410	456	6.83			
PCB-204	1.57e+07	0.92	y	45:24	1.26	11200	-	-	*			
PCB-197	7.81e+04	0.90	y	45:41	1.29	54.2	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	410	456	6.68			
PCB-198	*	*	n	NotFnd	0.91	*	410	456	9.36			
PCB-199	*	*	n	NotFnd	0.95	*	410	456	8.88			
PCB-203	*	*	n	NotFnd	1.01	*	410	456	8.35	Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	1.01	*	410	456	8.35	Co-elute PCB 203		
13C-PCB-202	1.11e+07	0.94	y	44:48	0.68	7400				74.0	1.23e+06	1.32e+06
13C-PCB-178	1.28e+07	1.09	y	42:20	0.70	8140				81.4	1.43e+06	1.33e+06
13C-PCB-138	2.23e+07	1.29	y	41:32	-	56.3						
PCB-195	*	*	n	NotFnd	0.85	*	900	1560	8.82			
PCB-194	*	*	n	NotFnd	0.94	*	900	1560	8.01			
PCB-205	*	*	n	NotFnd	1.12	*	900	1560	6.70			
13C-PCB-205	2.58e+07	0.92	y	50:05	1.22	9840				98.4	3.97e+06	4.21e+06
PCB-208	*	*	n	NotFnd	1.11	*	876	1050	6.54			
13C-PCB-208	1.98e+07	0.82	y	49:08	0.98	9400				94.0	3.03e+06	3.61e+06
PCB-207	9.97e+04	1.25	y	49:26	1.26	45.6	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	876	1050	9.27			
13C-PCB-206	1.49e+07	0.82	y	51:15	0.75	9230				92.3	1.98e+06	2.51e+06
PCB-209	9.65e+04	1.16	y	52:27	1.22	56.5	-	-	*			
13C-PCB-209	1.40e+07	1.22	y	52:27	0.80	8180				81.8	2.20e+06	1.72e+06
13C-PCB-194	2.14e+07	0.92	y	49:49	-	51.4						

Analyst: _____ Date: 10/28/20

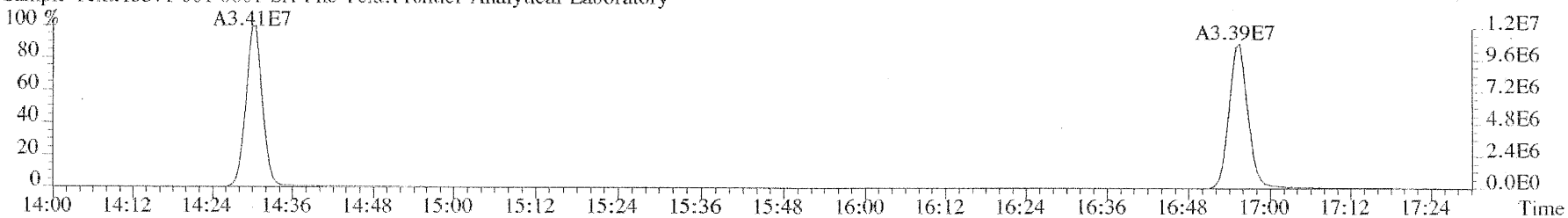
File:20OCT20Z #1-784 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



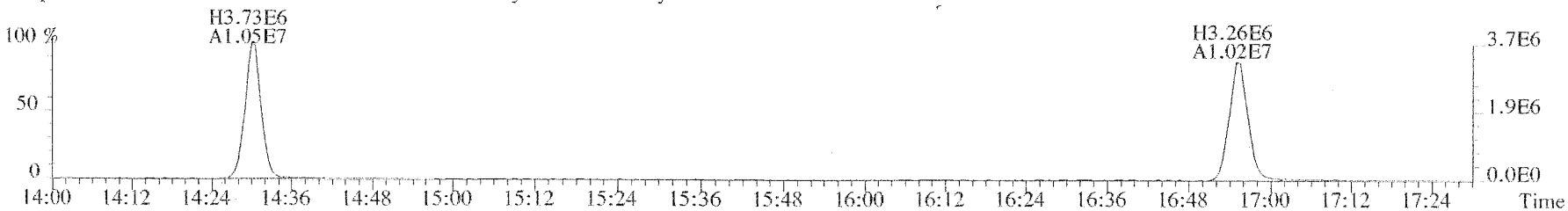
File:20OCT20Z #1-784 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



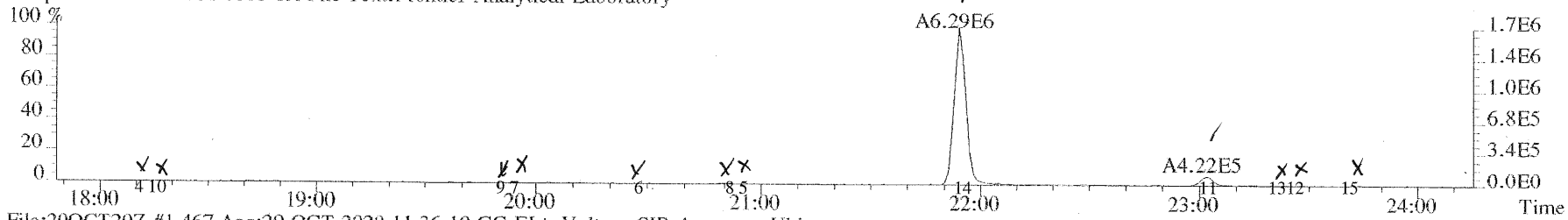
File:20OCT20Z #1-784 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



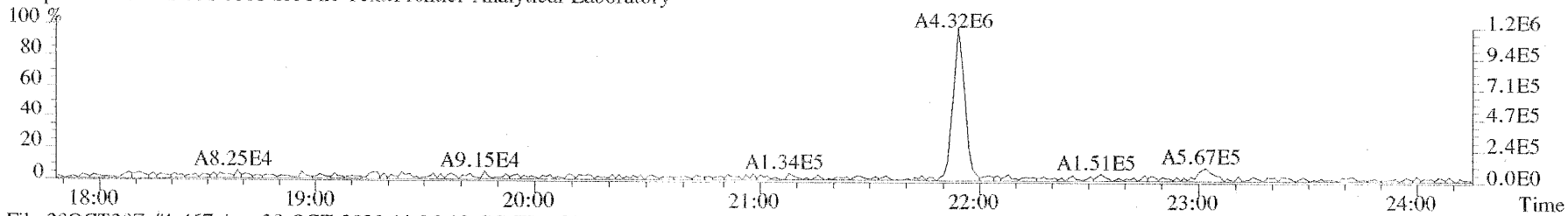
File:20OCT20Z #1-784 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



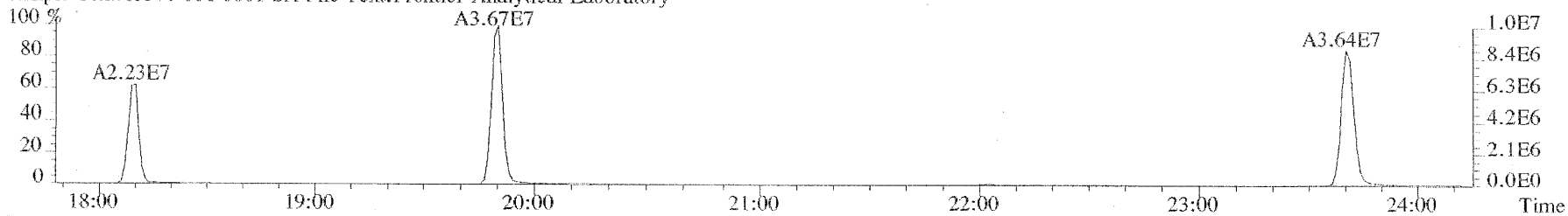
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



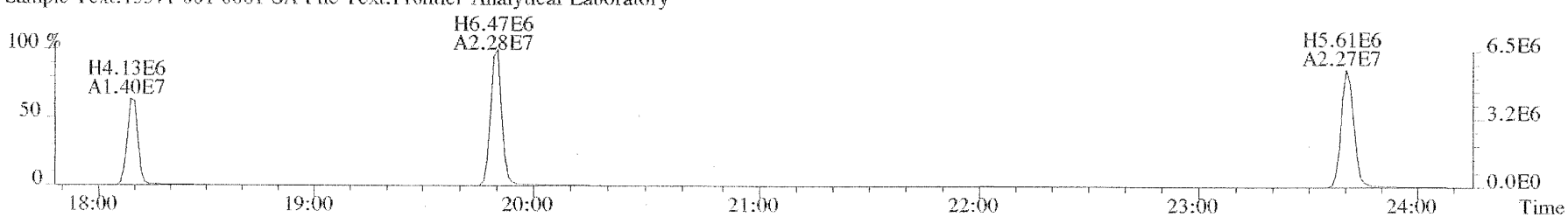
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



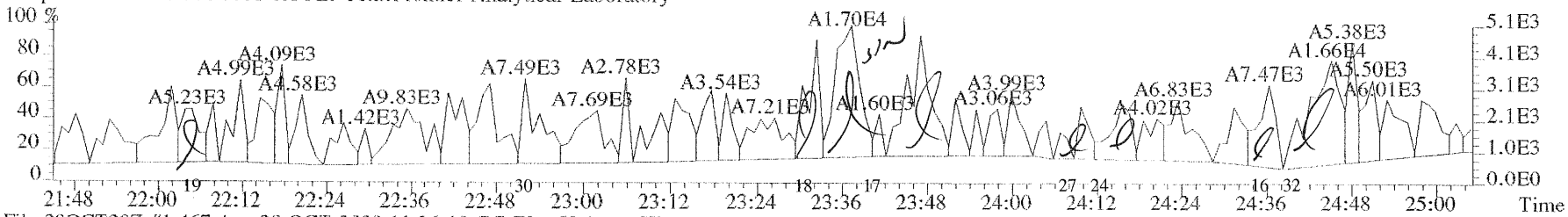
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



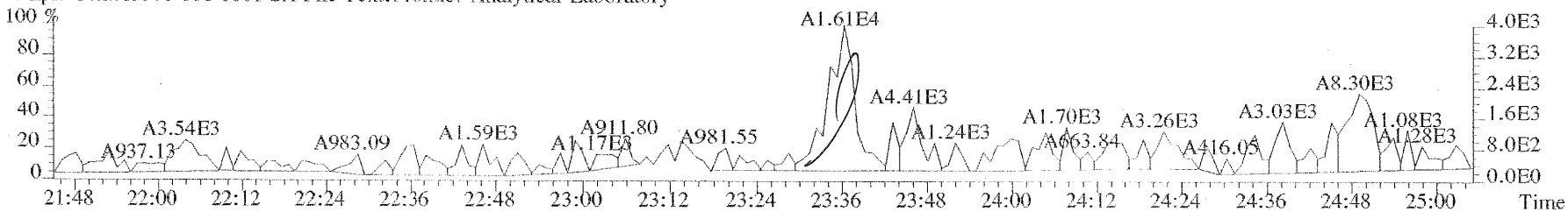
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



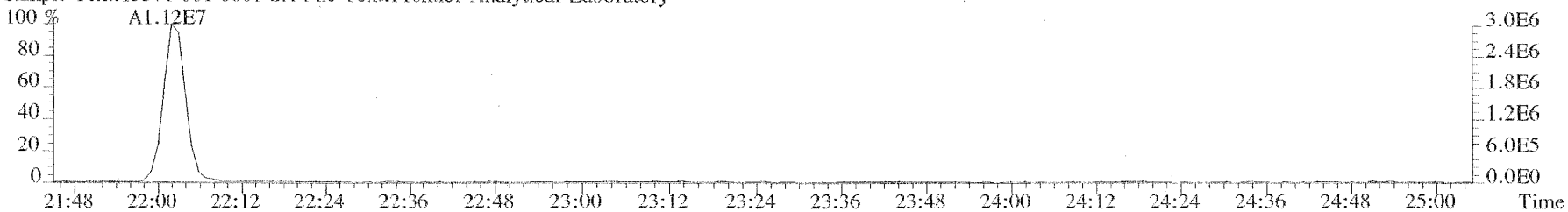
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



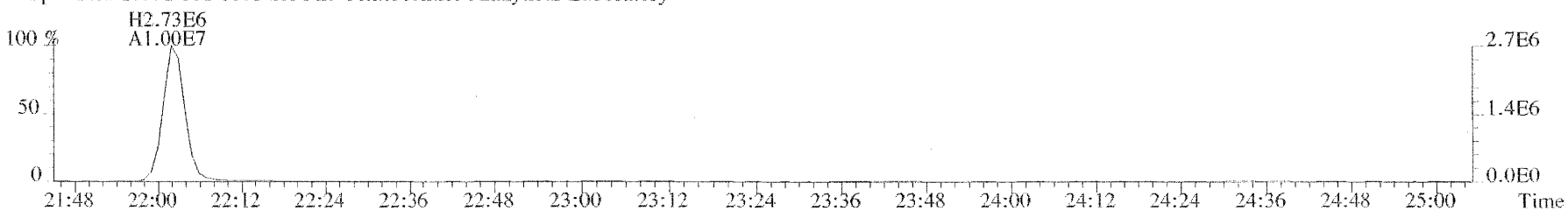
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



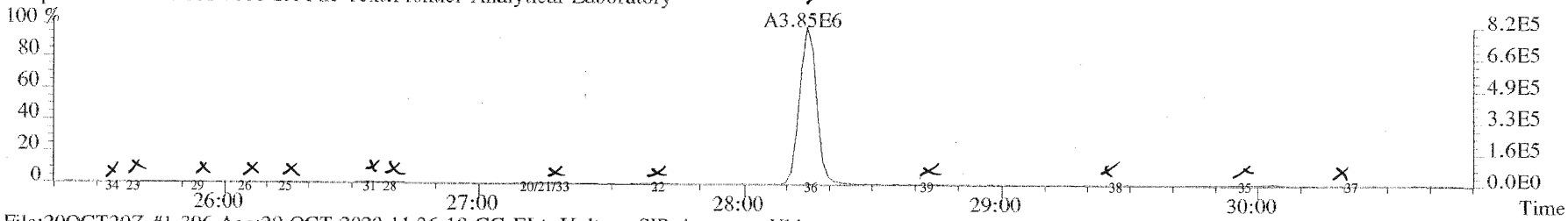
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



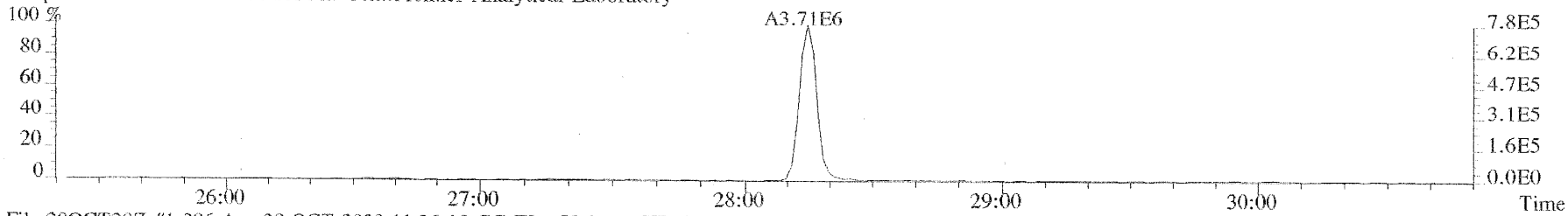
File:20OCT20Z #1-467 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



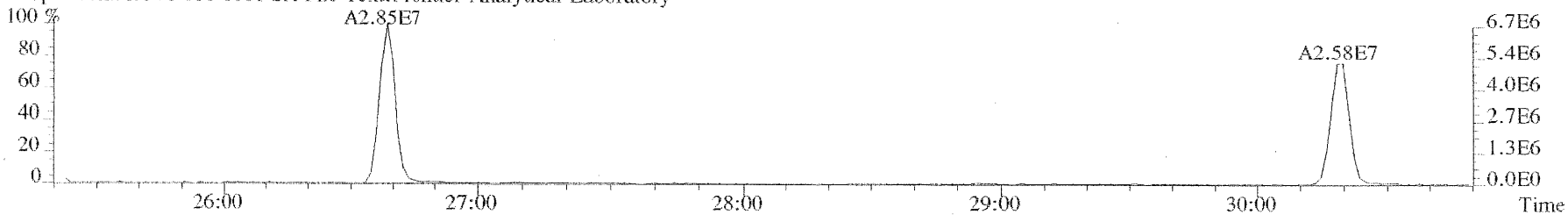
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



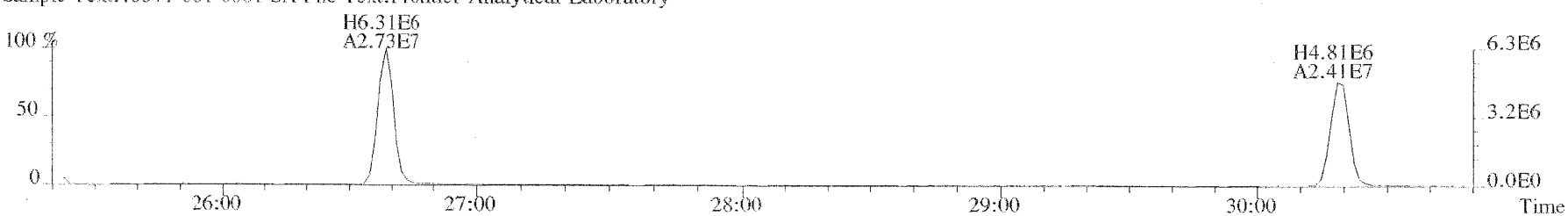
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



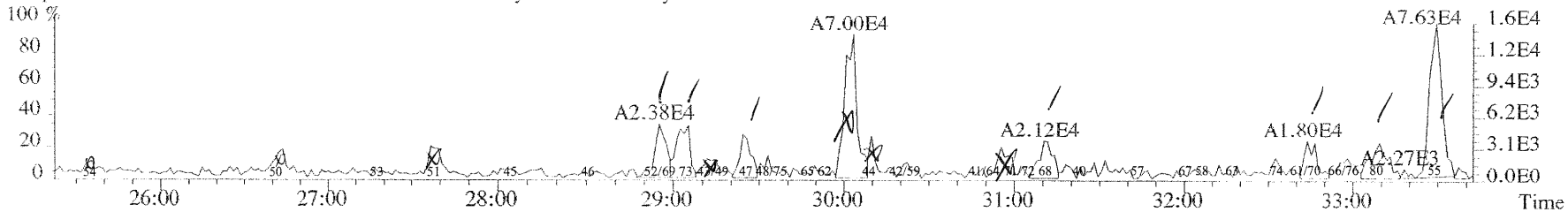
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



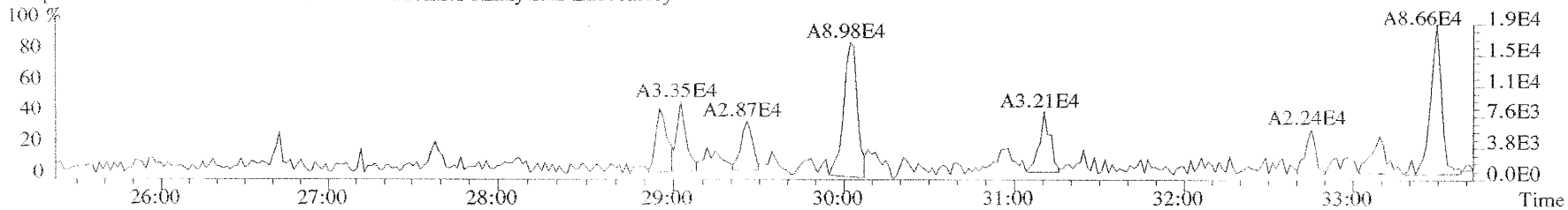
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



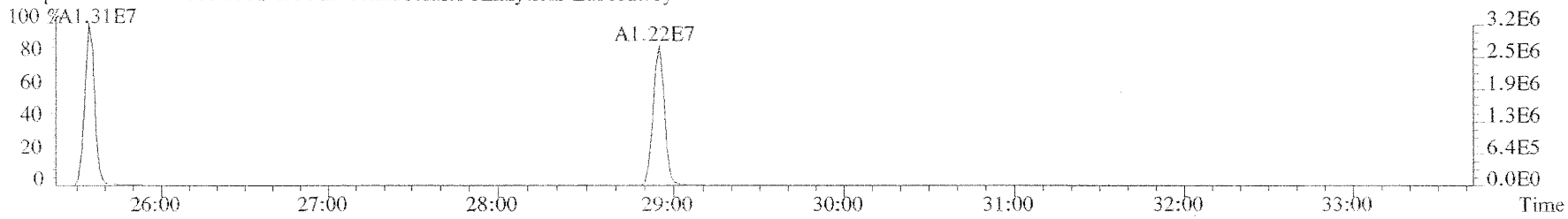
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



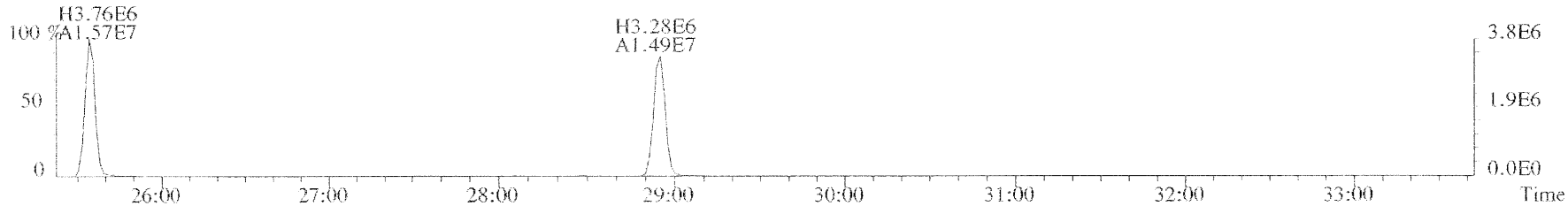
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



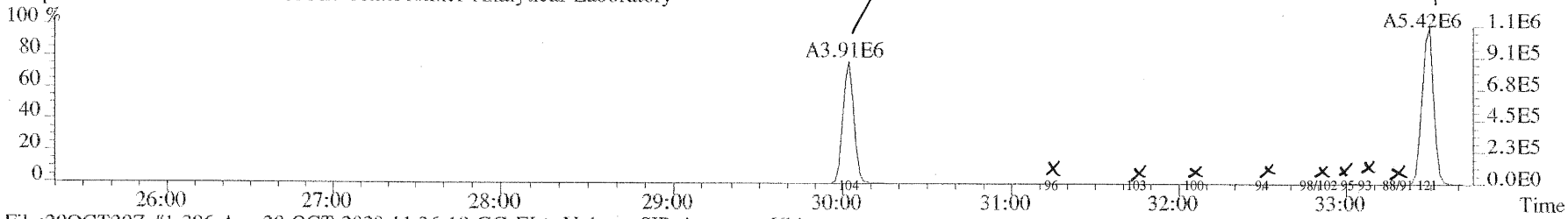
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



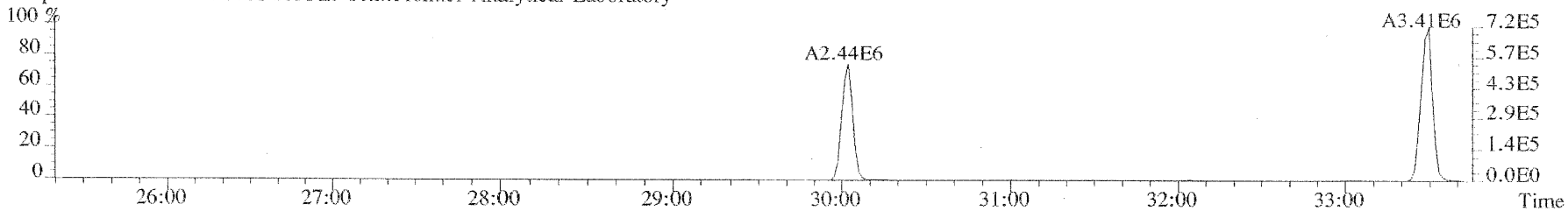
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



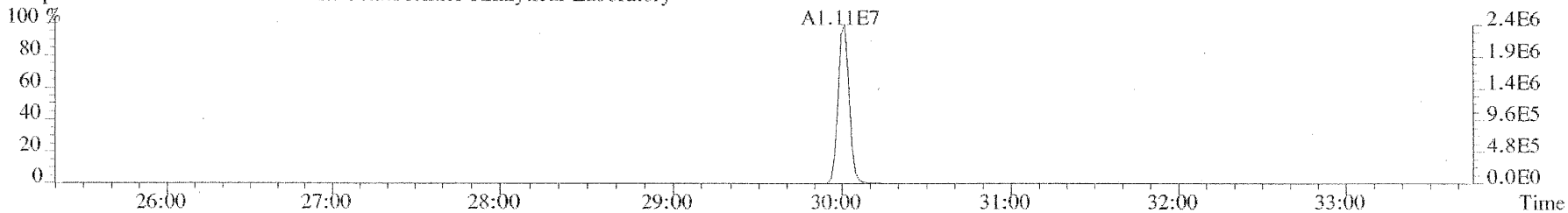
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



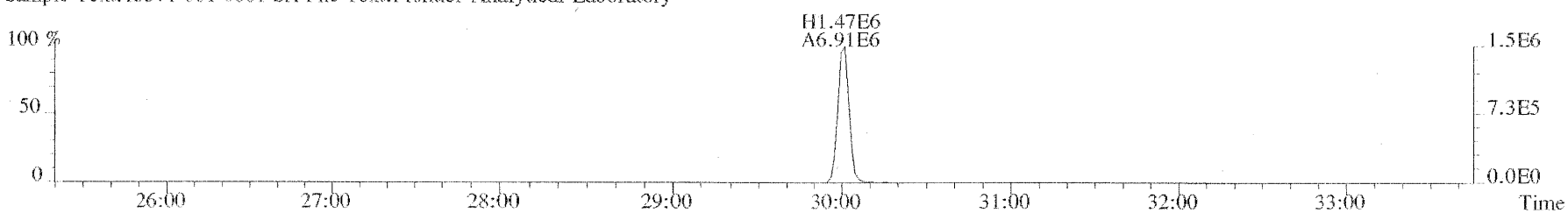
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



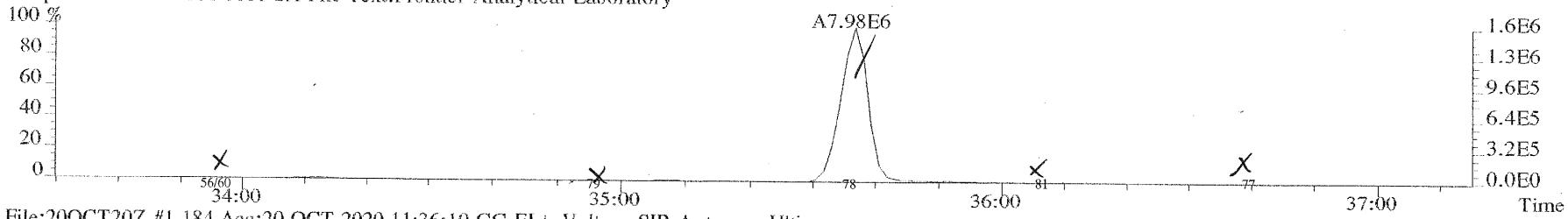
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



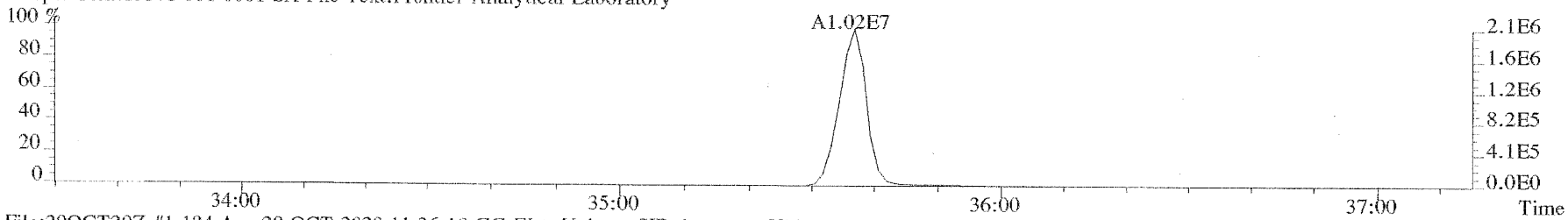
File:20OCT20Z #1-396 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



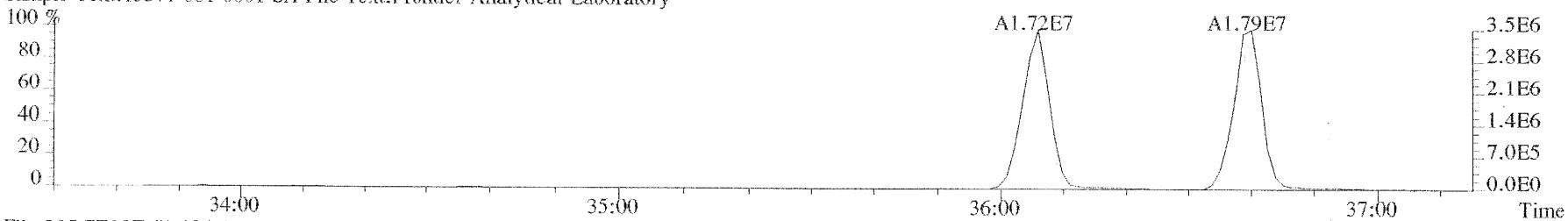
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



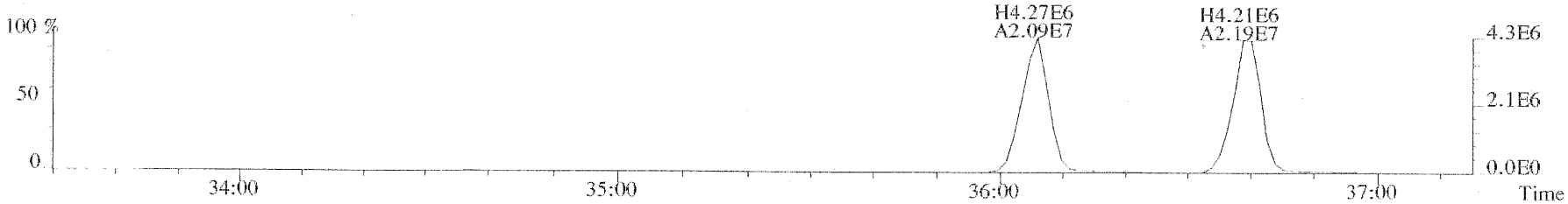
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



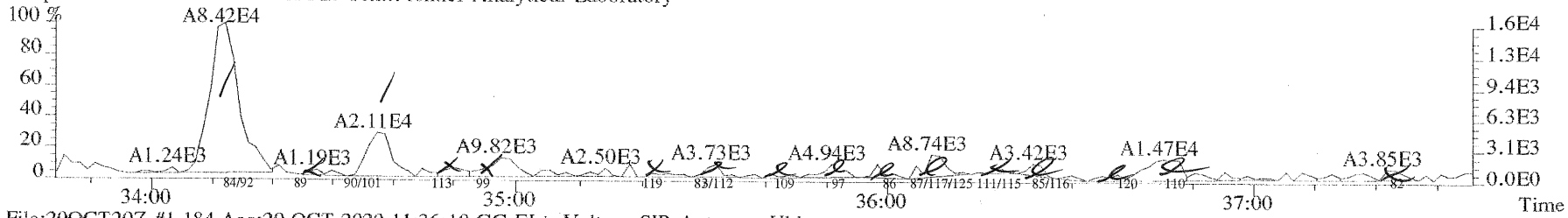
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



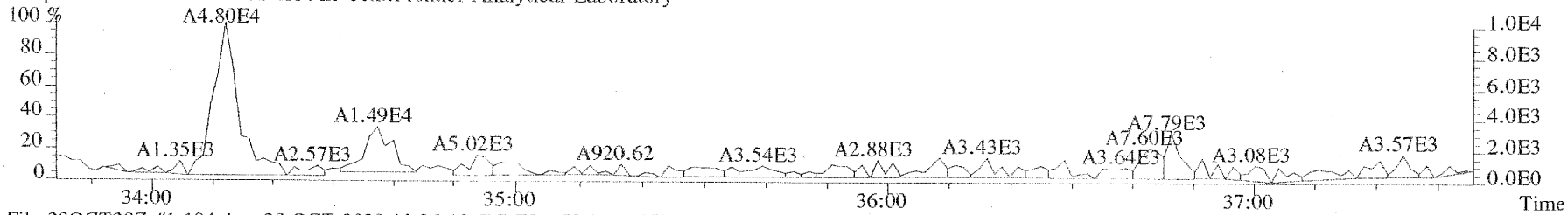
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



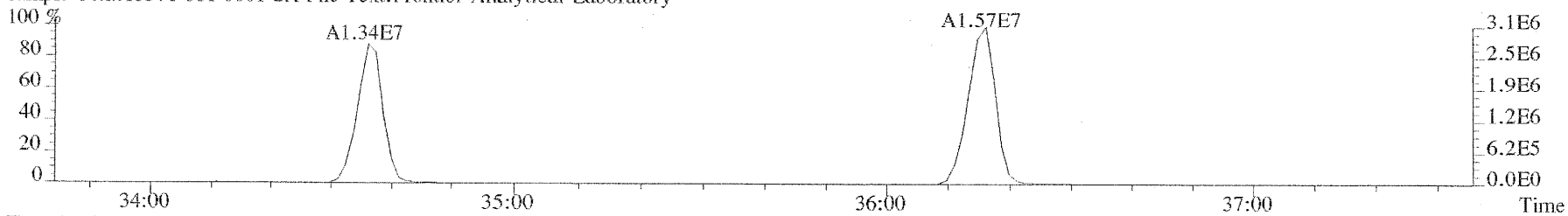
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



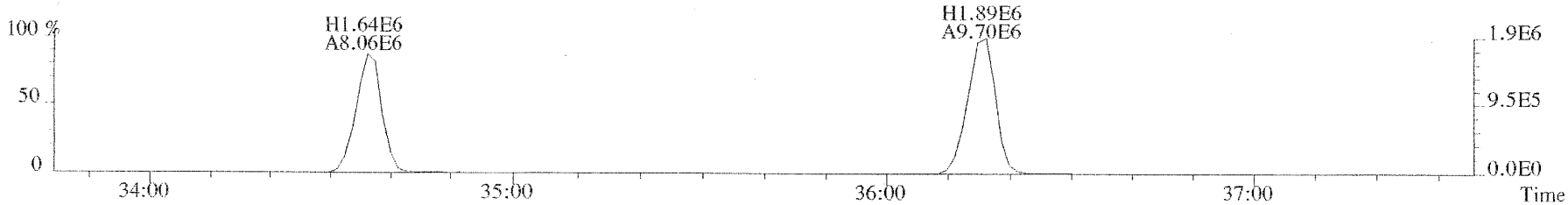
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



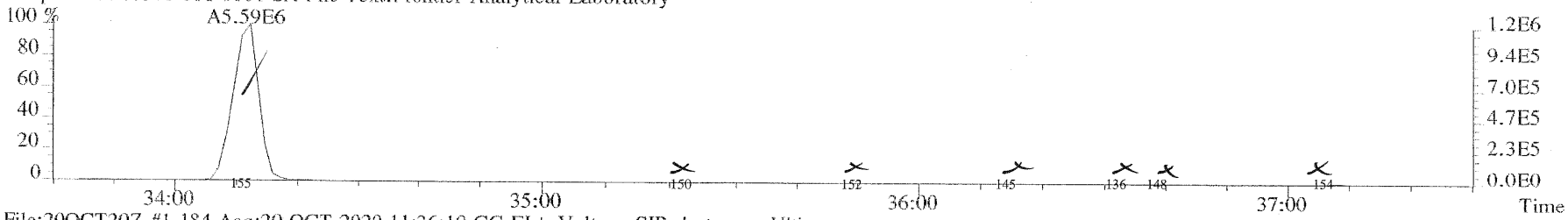
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



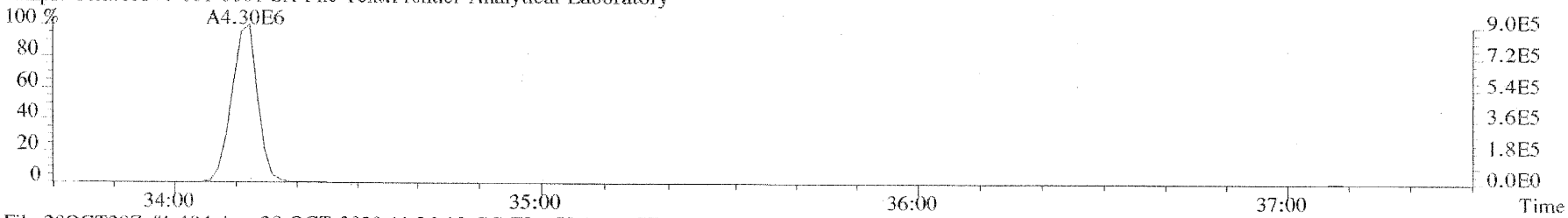
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



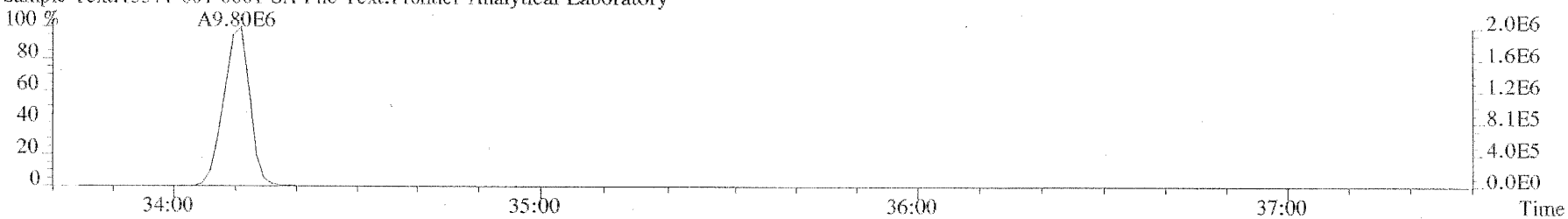
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



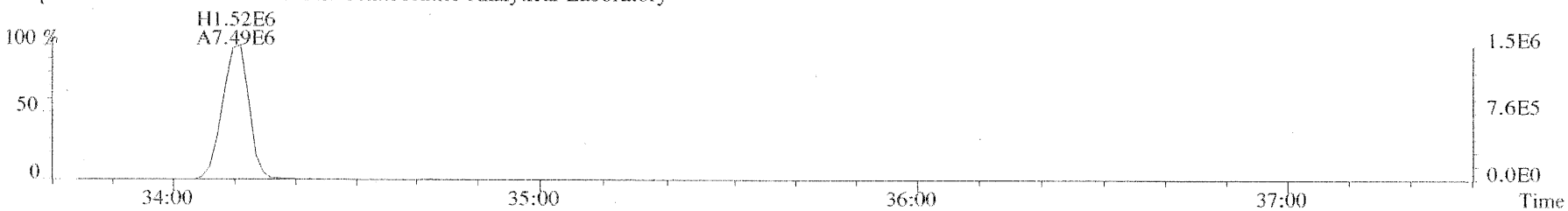
File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory

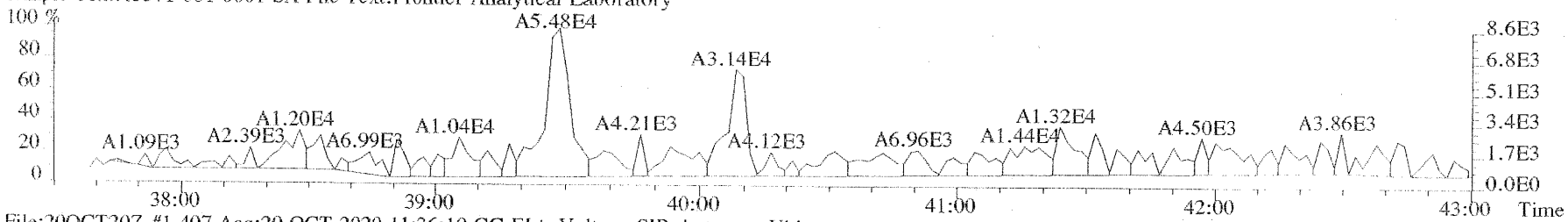


File:20OCT20Z #1-184 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory

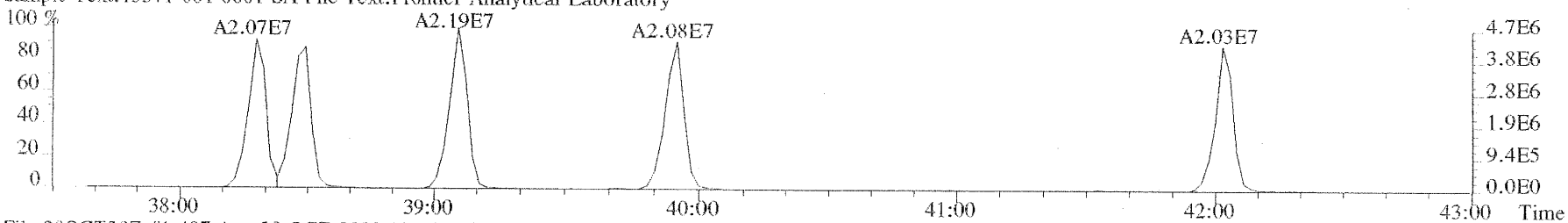


File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory

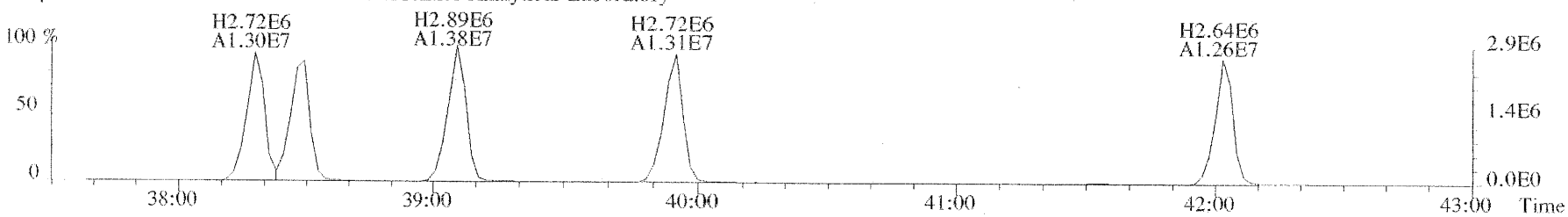
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



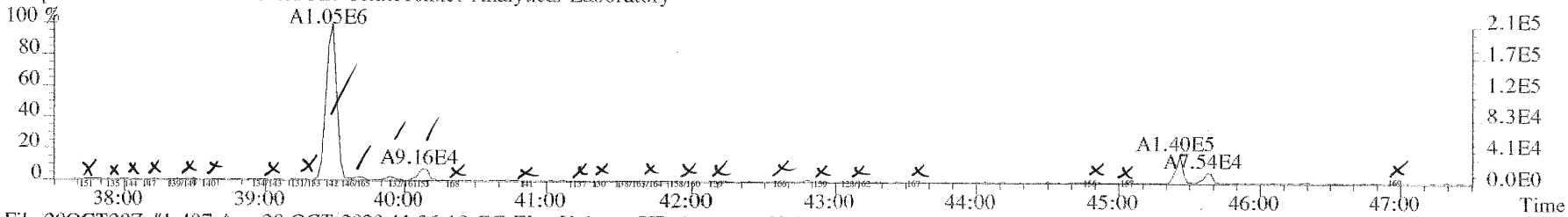
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



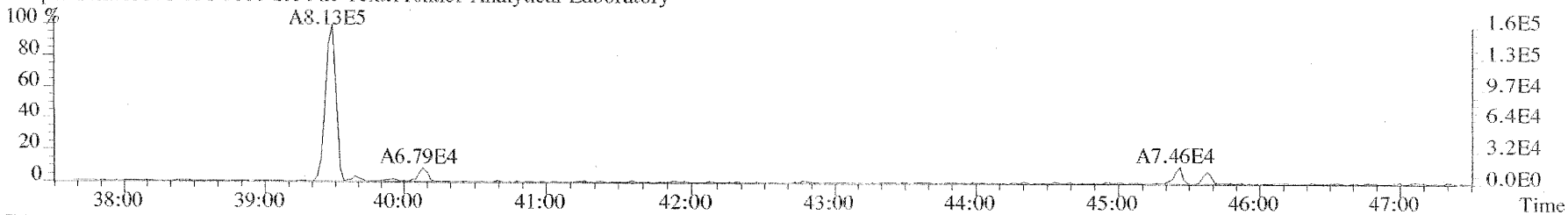
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



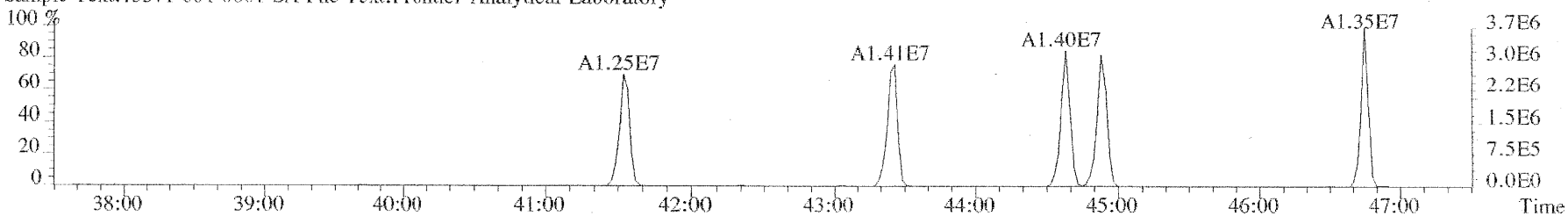
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



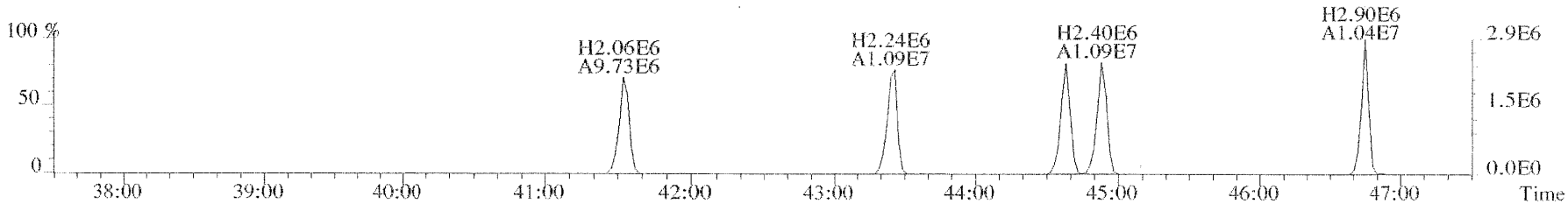
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



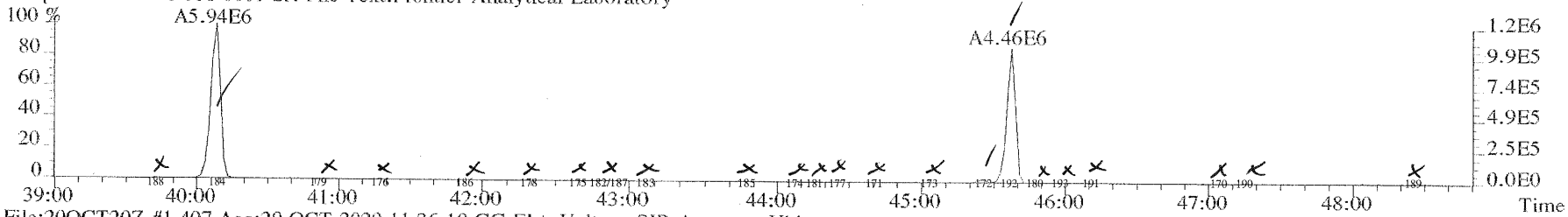
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



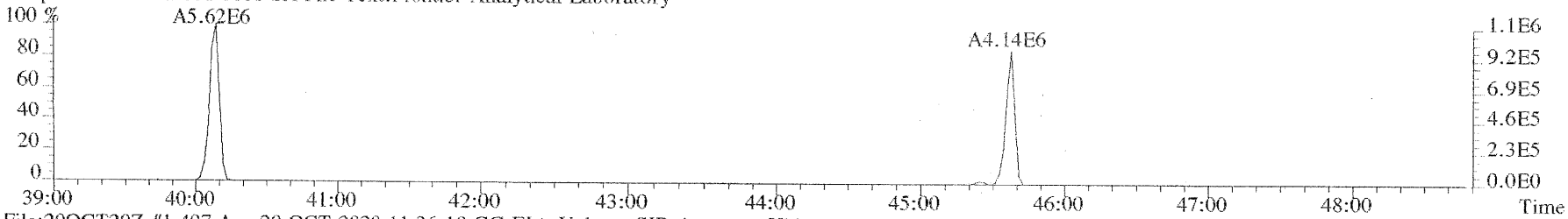
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



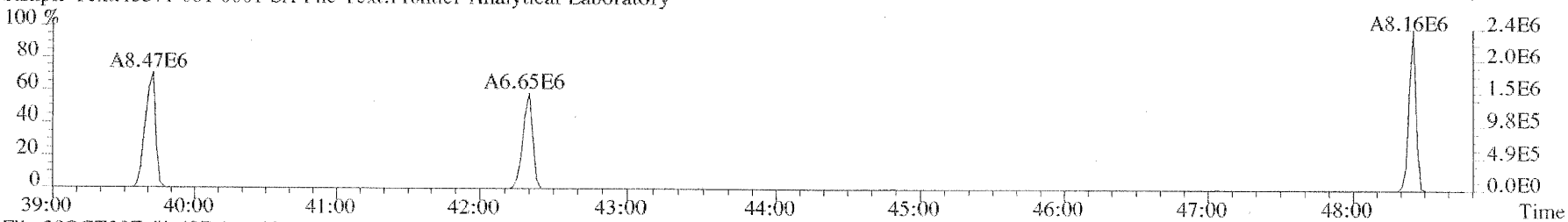
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



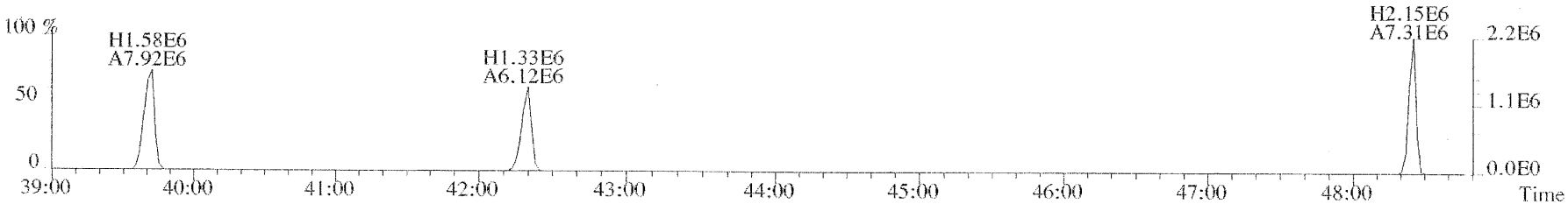
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



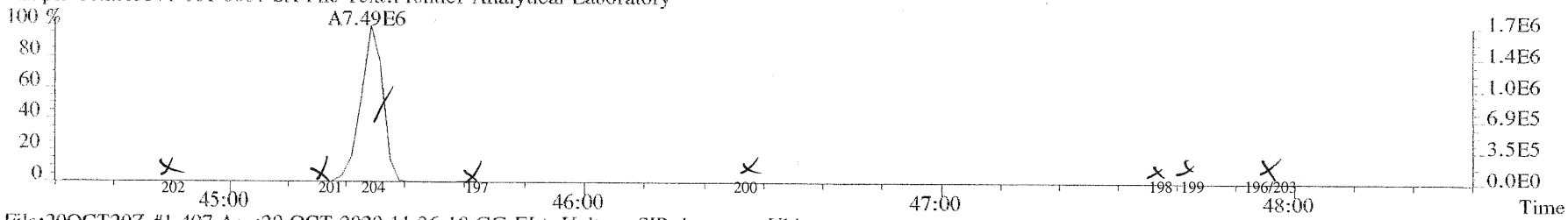
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



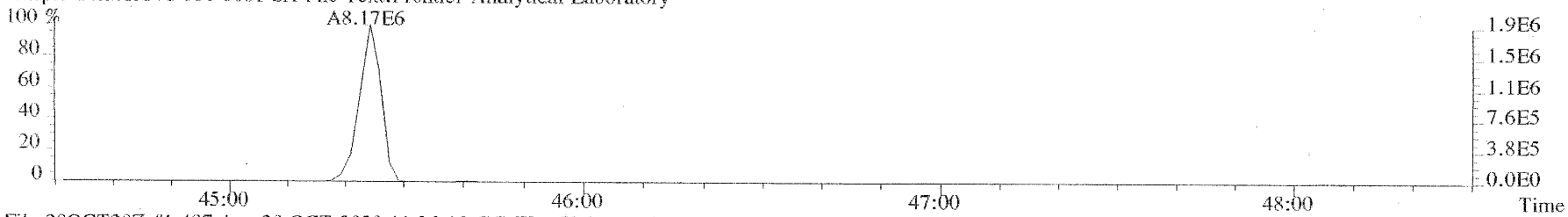
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



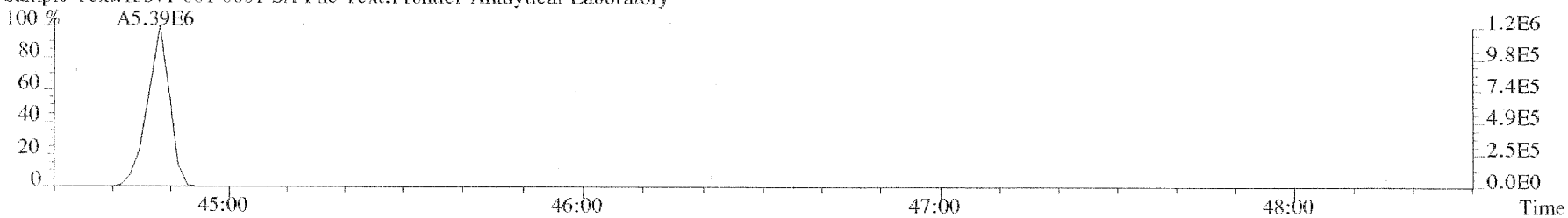
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



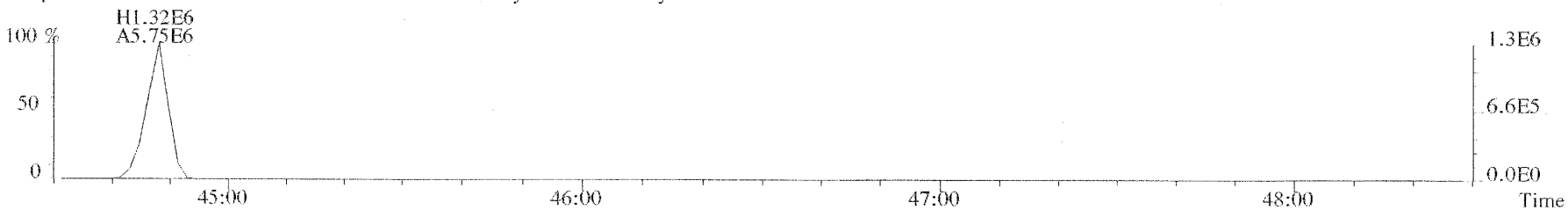
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



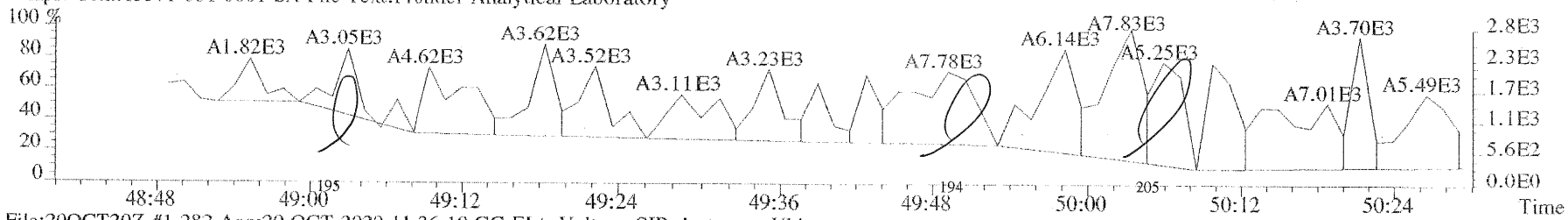
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



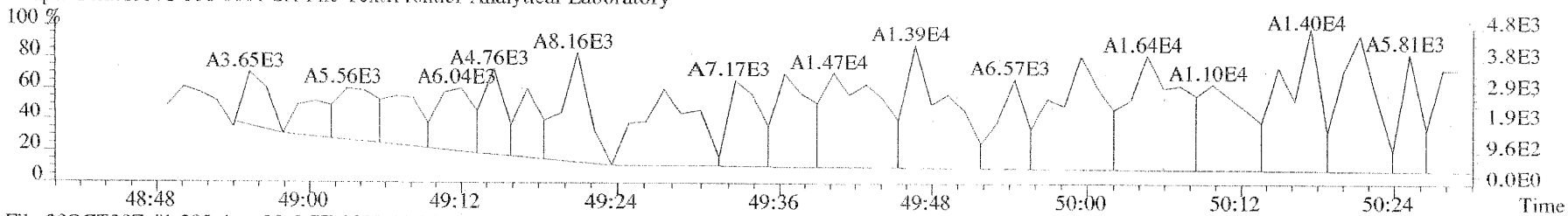
File:20OCT20Z #1-407 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



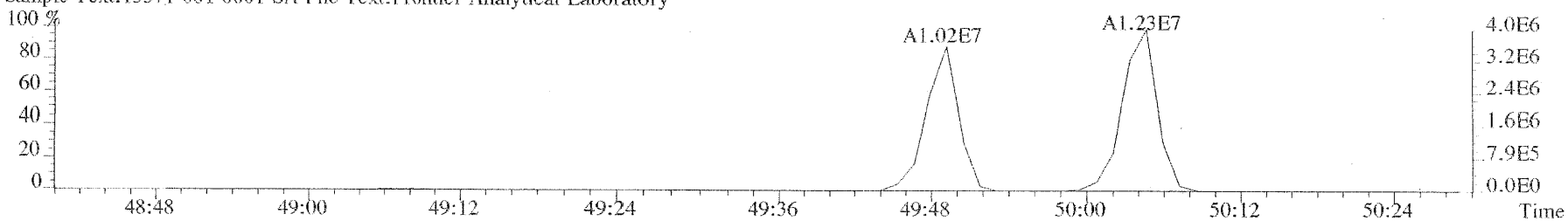
File:20OCT20Z #1-281 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



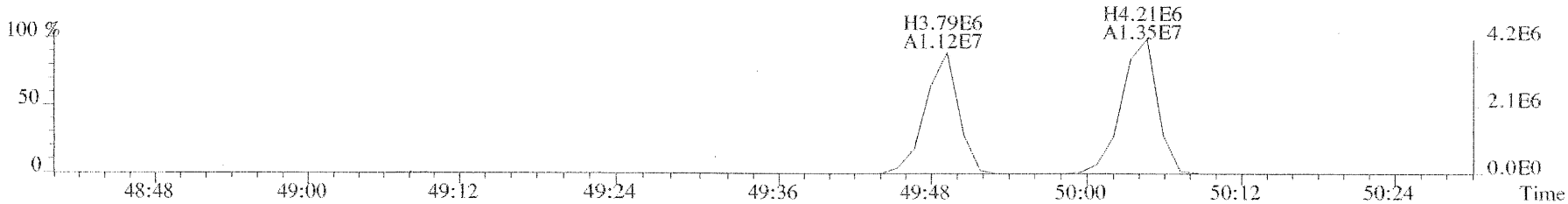
File:20OCT20Z #1-282 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



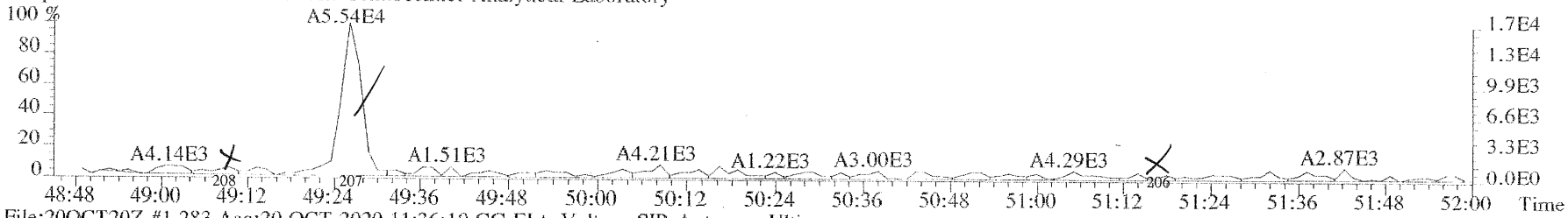
File:20OCT20Z #1-282 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



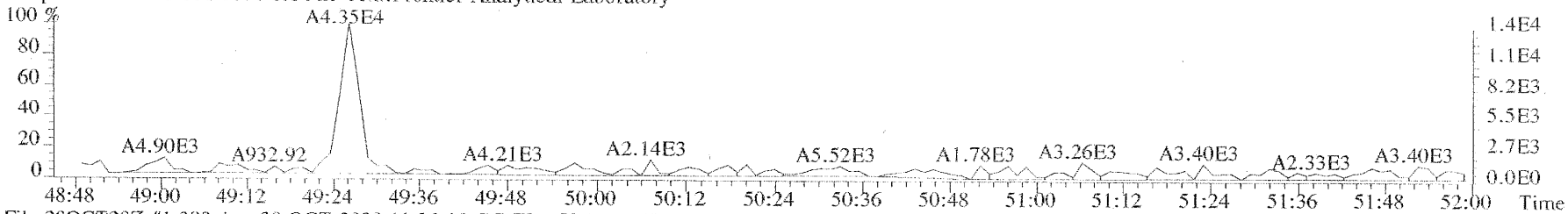
File:20OCT20Z #1-282 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



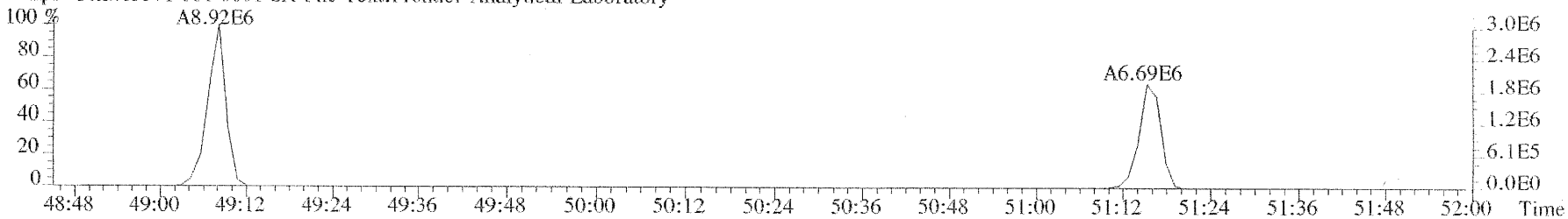
File:20OCT20Z #1-283 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



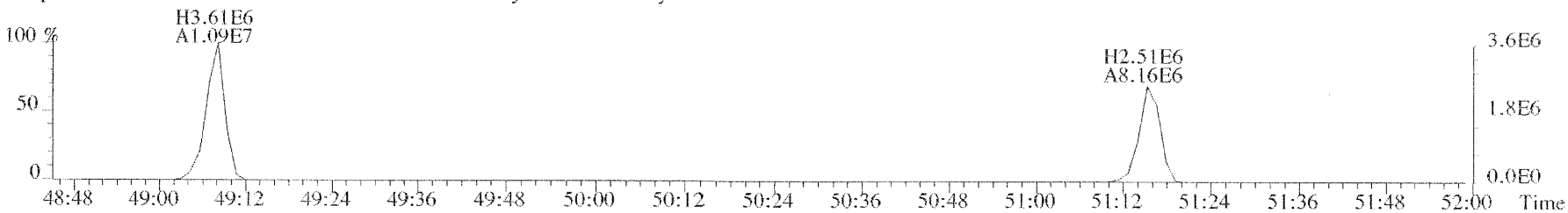
File:20OCT20Z #1-283 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



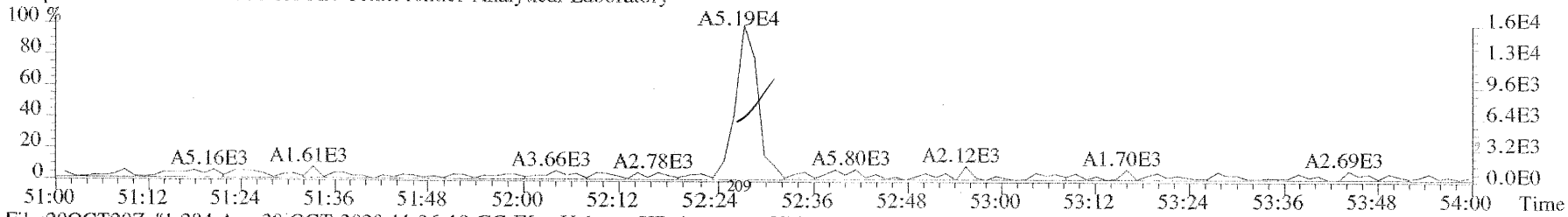
File:20OCT20Z #1-283 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



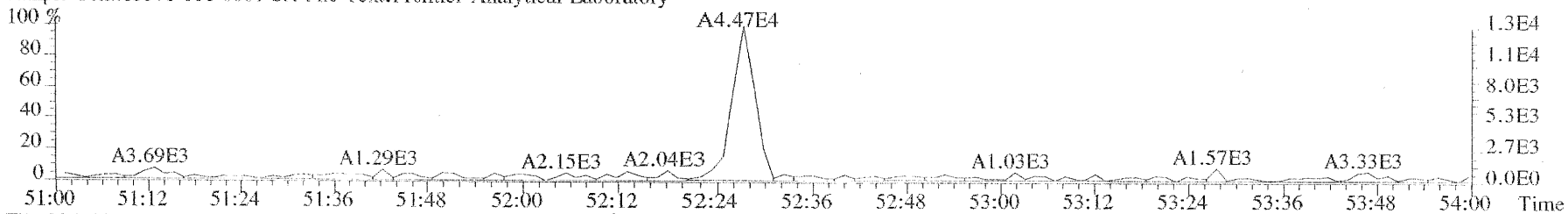
File:20OCT20Z #1-283 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



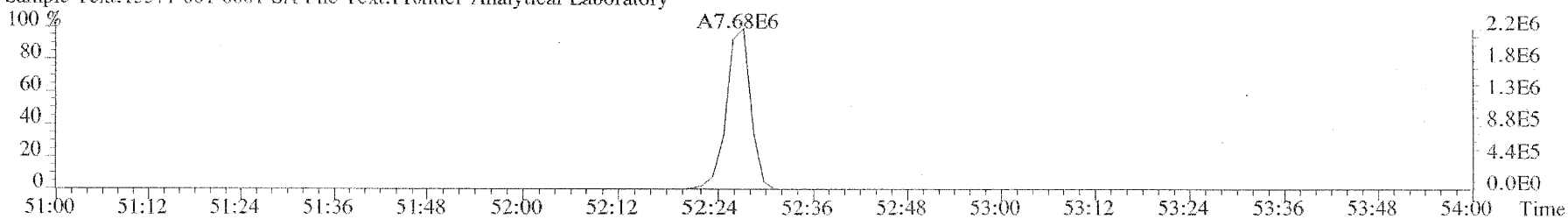
File:20OCT20Z #1-284 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



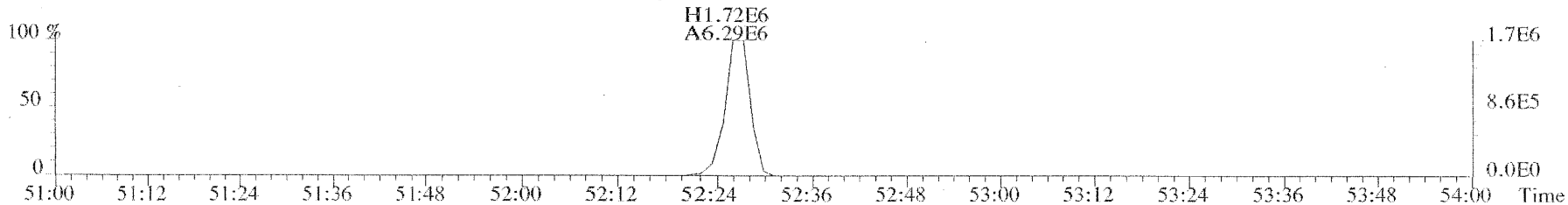
File:20OCT20Z #1-284 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-284 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-284 Acq:20-OCT-2020 11:36:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-002-0001-SA Filename: 20OCT20Z Sam:5 Acquired: 20-OCT-20 12:34:32 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR+AC-CA-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1350	1100	3.13			
13C-PCB-1	4.18e+07	3.28 y	14:30	0.87	7770					77.7	1.12e+07	3.48e+06
PCB-2	*	* n	NotFnd	1.31	*		1350	1100	3.42			
PCB-3	*	* n	NotFnd	1.32	*		1350	1100	3.68			
13C-PCB-3	4.11e+07	3.31 y	16:55	0.82	8030					80.3	9.60e+06	2.96e+06
PCB-4	7.39e+04	1.56 y	18:11	1.06	21.5		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		1230	3520	7.43			
13C-PCB-4	3.26e+07	1.59 y	18:09	0.65	8050					80.5	6.37e+06	4.12e+06
PCB-9	*	* n	NotFnd	1.28	*		1230	3520	7.53			
PCB-7	*	* n	NotFnd	1.33	*		1230	3520	7.27			
PCB-6	9.28e+04	1.51 y	20:28	1.42	15.0	J	-	-	*			
PCB-8	1.82e+05	1.59 y	20:50	1.27	32.8		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		1230	3520	7.86			
PCB-14	1.41e+06	1.50 y	21:54	1.28	253		-	-	*			
PCB-11	9.00e+04	1.56 y	23:01	1.23	16.7	J	-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		1230	3520	7.89			
PCB-12	*	* n	NotFnd	1.25	*		1230	3520	7.75			
PCB-15	7.62e+04	1.37 y	23:41	1.12	12.4	J	-	-	*			
13C-PCB-15	5.47e+07	1.63 y	23:40	1.02	8670					86.7	8.44e+06	5.21e+06
PCB-19	4.71e+04	1.17 y	22:04	1.27	18.3	J	-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1100	572	3.76			
PCB-18	4.13e+05	1.15 y	23:36	1.28	159		-	-	*			
PCB-17	1.89e+05	1.13 y	23:46	1.42	65.8		-	-	*			
PCB-27	3.14e+04	0.95 y	24:17	1.89	8.21	J	-	-	*			
PCB-24	3.12e+04	0.94 y	24:18	1.83	8.43	J	-	-	*			
PCB-16	1.15e+05	1.13 y	24:46	1.61	35.4		-	-	*			
PCB-32	1.19e+05	1.18 y	24:48	1.67	35.4		-	-	*			
13C-PCB-19	2.02e+07	1.08 y	22:02	0.42	7790					77.9	3.02e+06	2.83e+06
13C-PCB-9	6.20e+07	1.62 y	19:49	-	84.9							
PCB-34	*	* n	NotFnd	1.07	*		2860	1370	9.48			
PCB-23	*	* n	NotFnd	1.13	*		2860	1370	9.00			
PCB-29	*	* n	NotFnd	1.09	*		2860	1370	9.28			
PCB-26	4.36e+05	1.12 y	26:04	1.07	86.3		-	-	*			
PCB-25	1.91e+05	1.15 y	26:13	1.06	38.2		-	-	*			
PCB-31	7.09e+05	1.08 y	26:33	1.32	114		-	-	*			
PCB-28	7.28e+05	1.06 y	26:40	1.32	117		-	-	*			
PCB-20	3.42e+05	1.13 y	27:15	1.08	67.0		-	-	*		Co-elute PCB 21/33	
PCB-21	3.42e+05	1.13 y	27:15	1.08	67.0		-	-	*		Co-elute PCB 20/33	
PCB-33	3.42e+05	1.13 y	27:15	1.08	67.0		-	-	*		Co-elute PCB 20/21	
PCB-22	1.99e+05	1.10 y	27:39	1.20	35.1		-	-	*			
PCB-36	3.43e+06	1.06 y	28:15	1.13	641		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		2860	1370	8.97			
PCB-38	*	* n	NotFnd	1.08	*		2860	1370	9.36			
PCB-35	*	* n	NotFnd	1.10	*		2860	1370	9.26			
PCB-37	1.22e+05	1.11 y	30:20	1.14	22.7		-	-	*			
13C-PCB-37	4.73e+07	1.06 y	30:18	1.64	9730					97.3	5.38e+06	5.04e+06

PCB-54	*	*	n	NotFnd	1.36	*		1000	1230	5.58			
PCB-50	2.94e+04	0.69	y	26:41	1.06	9.67	J	-	-	*			
PCB-53	1.90e+05	0.81	y	27:18	1.04	64.0		-	-	*			
PCB-51	7.20e+04	0.79	y	27:37	1.10	23.0		-	-	*			
PCB-45	1.21e+05	0.82	y	28:02	0.92	46.3		-	-	*			
PCB-46	5.46e+04	0.70	y	28:30	0.88	21.6		-	-	*			
PCB-52	2.06e+06	0.76	y	28:55	1.15	626		-	-	*	Co-elute PCB 69		
PCB-69	2.06e+06	0.76	y	28:55	1.15	626		-	-	*	Co-elute PCB 52		
PCB-73	7.32e+04	0.82	y	29:01	1.32	19.4	J	-	-	*			
PCB-43	1.06e+06	0.74	y	29:13	0.99	372		-	-	*	Co-elute PCB 49		
PCB-49	1.06e+06	0.74	y	29:13	0.99	372		-	-	*	Co-elute PCB 43		
PCB-47	3.09e+05	0.81	y	29:24	1.01	107		-	-	*			
PCB-48	1.76e+05	0.72	y	29:32	1.31	46.8		-	-	*	Co-elute PCB 75		
PCB-75	1.76e+05	0.72	y	29:32	1.31	46.8		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*		1000	1230	5.72			
PCB-62	*	*	n	NotFnd	1.28	*		1000	1230	5.94			
PCB-44	7.55e+05	0.76	y	30:10	0.87	304		-	-	*			
PCB-42	3.15e+05	0.78	y	30:22	1.14	96.8		-	-	*	Co-elute PCB 59		
PCB-59	3.15e+05	0.78	y	30:22	1.14	96.8		-	-	*	Co-elute PCB 42		
PCB-72	7.05e+05	0.83	y	30:55	1.28	192		-	-	*	Co-elute PCB 41/71/64		
PCB-41	7.05e+05	0.83	y	30:55	1.28	192		-	-	*	Co-elute PCB 72/71/64		
PCB-71	7.05e+05	0.83	y	30:55	1.28	192		-	-	*	Co-elute PCB 72/41/64		
PCB-64	7.05e+05	0.83	y	30:55	1.28	192		-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.42e+04	0.76	y	31:09	1.49	12.8	J	-	-	*			
PCB-40	9.75e+04	0.71	y	31:22	0.81	42.0		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		1000	1230	5.39			
PCB-67	4.18e+04	0.73	y	32:00	1.42	10.3	J	-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		1000	1230	5.48			
PCB-63	3.73e+04	0.72	y	32:15	1.40	9.33	J	-	-	*			
PCB-74	3.37e+05	0.71	y	32:33	1.42	83.0		-	-	*			
PCB-61	7.94e+05	0.77	y	32:44	1.28	217		-	-	*	Co-elute PCB 70		
PCB-70	7.94e+05	0.77	y	32:44	1.28	217		-	-	*	Co-elute PCB 61		
PCB-76	7.17e+05	0.75	y	32:57	1.49	169		-	-	*	Co-elute PCB 66		
PCB-66	7.17e+05	0.75	y	32:57	1.49	169		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.69	*		1000	1230	4.51			
PCB-55	1.69e+05	0.84	y	33:28	1.49	39.7		-	-	*			
13C-PCB-54	2.86e+07	0.82	y	25:34	1.13	8570					85.7	3.36e+06	3.98e+06
PCB-104	5.82e+06	1.61	y	30:01	1.18	2580		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		460	572	4.84			
PCB-103	2.63e+04	1.59	y	31:44	0.95	14.4	J	-	-	*			
PCB-100	2.66e+04	1.50	y	32:02	0.96	14.5	J	-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		460	572	6.98			
PCB-98	*	*	n	NotFnd	0.86	*		460	572	6.44	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		460	572	6.44	Co-elute PCB 98		
PCB-95	1.24e+06	1.55	y	33:02	0.83	774		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		460	572	6.65			
PCB-88	*	*	n	NotFnd	0.87	*		460	572	6.36	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*		460	572	6.36	Co-elute PCB 88		
PCB-121	8.15e+06	1.58	y	33:28	1.18	3590		-	-	*			
13C-PCB-104	1.92e+07	1.58	y	30:00	0.90	7230					72.3	2.84e+06	1.81e+06
13C-PCB-28	5.72e+07	1.07	y	26:39	1.90	10200					102	7.28e+06	6.79e+06
13C-PCB-52	2.96e+07	0.82	y	28:54	-	74.5							

PCB-56	3.47e+05	0.78	y	33:54	1.10	81.2		-	-	*		Co-elute PCB 60
PCB-60	3.47e+05	0.78	y	33:54	1.10	81.2		-	-	*		Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1540	2250	9.12		
PCB-78	1.16e+07	0.78	y	35:36	1.21	2470		-	-	*		
PCB-81	*	*	n	NotFnd	1.30	*		1540	2250	9.06		
13C-PCB-81	3.83e+07	0.81	y	36:05	1.63	9570					95.7	3.64e+06 4.43e+06
PCB-77	*	*	n	NotFnd	1.16	*		1540	2250	9.60		
13C-PCB-77	3.93e+07	0.81	y	36:37	1.71	9390					93.9	3.86e+06 4.68e+06
PCB-155	9.56e+06	1.31	y	34:10	1.22	4240		-	-	*		
PCB-150	*	*	n	NotFnd	1.20	*		804	372	6.10		
PCB-152	*	*	n	NotFnd	1.19	*		804	372	6.19		
PCB-145	*	*	n	NotFnd	1.18	*		804	372	6.24		
PCB-136	1.72e+05	1.25	y	36:32	1.08	86.8		-	-	*		
PCB-148	*	*	n	NotFnd	1.02	*		804	372	7.22		
PCB-154	4.31e+04	1.22	y	37:07	1.05	22.2		-	-	*		
13C-PCB-155	1.84e+07	1.34	y	34:10	0.99	7620					76.2	2.31e+06 1.70e+06
13C-PCB-111	2.86e+07	1.61	y	36:13	1.27	9200					92.0	3.97e+06 2.50e+06
13C-PCB-101	2.45e+07	1.63	y	34:35	-	69.8						
PCB-84	9.19e+05	1.59	y	34:15	0.70	371		-	-	*		Co-elute PCB 92
PCB-92	9.19e+05	1.59	y	34:15	0.70	371		-	-	*		Co-elute PCB 84
PCB-89	2.62e+04	1.54	y	34:27	0.69	10.8	J	-	-	*		
PCB-90	1.62e+06	1.53	y	34:36	0.79	583		-	-	*		Co-elute PCB 101
PCB-101	1.62e+06	1.53	y	34:36	0.79	583		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		900	910	6.36		
PCB-99	7.82e+05	1.61	y	34:55	0.84	264		-	-	*		
PCB-119	6.95e+04	1.48	y	35:22	1.01	19.5	J	-	-	*		
PCB-83	9.98e+04	1.48	y	35:30	0.80	35.4		-	-	*		Co-elute PCB 112
PCB-112	9.98e+04	1.48	y	35:30	0.80	35.4		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		900	910	6.03		
PCB-97	4.03e+05	1.55	y	35:51	0.67	172		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		900	910	8.60		
PCB-125	5.97e+05	1.53	y	36:07	0.91	187		-	-	*		Co-elute PCB 87/117
PCB-87	5.97e+05	1.53	y	36:07	0.91	187		-	-	*		Co-elute PCB 125/117
PCB-117	5.97e+05	1.53	y	36:07	0.91	187		-	-	*		Co-elute PCB 125/87
PCB-111	4.41e+04	1.43	y	36:17	0.98	12.8	J	-	-	*		Co-elute PCB 115
PCB-115	4.41e+04	1.43	y	36:17	0.98	12.8	J	-	-	*		Co-elute PCB 111
PCB-85	2.29e+05	1.46	y	36:22	0.87	74.5		-	-	*		Co-elute PCB 116
PCB-116	2.29e+05	1.46	y	36:22	0.87	74.5		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		900	910	5.46		
PCB-110	1.87e+06	1.60	y	36:44	0.99	536		-	-	*		
PCB-82	1.10e+05	1.46	y	37:19	0.61	51.2		-	-	*		
PCB-124	6.95e+04	1.52	y	38:00	1.06	18.6	J	-	-	*		
PCB-108	1.00e+05	1.58	y	38:08	1.11	25.8		-	-	*		Co-elute PCB 107
PCB-107	1.00e+05	1.58	y	38:08	1.11	25.8		-	-	*		Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*		1200	1430	8.57		
13C-PCB-123	3.43e+07	1.58	y	38:16	1.29	9760					97.6	4.72e+06 2.98e+06
PCB-118	1.12e+06	1.52	y	38:28	1.07	292		-	-	*		Co-elute PCB 106
PCB-106	1.12e+06	1.52	y	38:28	1.07	292		-	-	*		Co-elute PCB 118
13C-PCB-118	3.58e+07	1.59	y	38:26	1.39	9440					94.4	4.85e+06 3.05e+06
PCB-114	*	*	n	NotFnd	1.08	*		1200	1430	7.79		
13C-PCB-114	3.65e+07	1.58	y	39:04	1.37	9790					97.9	4.84e+06 2.98e+06
PCB-122	*	*	n	NotFnd	1.15	*		1200	1430	7.43		
PCB-105	3.59e+05	1.58	y	39:53	1.15	91.5		-	-	*		
13C-PCB-105	3.42e+07	1.58	y	39:52	1.37	9150					91.5	4.52e+06 2.88e+06

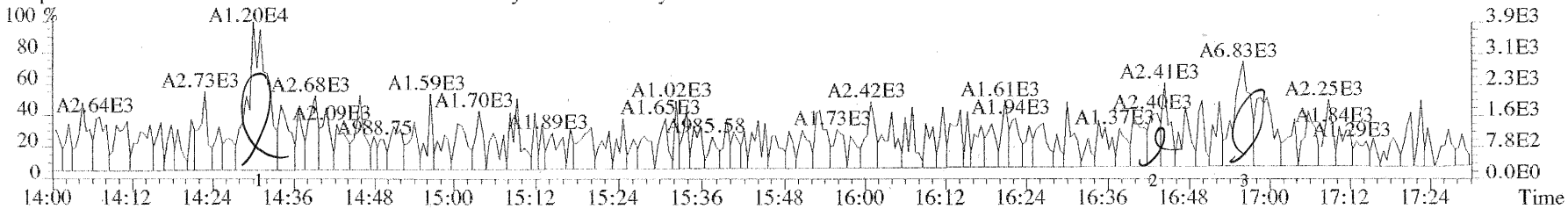
PCB-127	8.35e+04	2.05	n	40:06	1.05	22.6		1200	1430	8.12			
PCB-126	*	*	n	NotFnd	1.07	*		1200	1430	8.93			
13C-PCB-126	3.38e+07	1.59	y	41:58	1.35	9230					92.3	4.21e+06	2.65e+06
PCB-151	2.87e+05	1.31	y	37:43	0.85	128		-	-	*			
PCB-135	1.84e+05	1.15	y	37:55	0.80	87.0		-	-	*			
PCB-144	5.41e+04	1.13	y	38:03	1.06	19.5	J	-	-	*			
PCB-147	4.00e+04	1.14	y	38:11	0.96	15.9	J	-	-	*			
PCB-139	9.64e+05	1.18	y	38:24	0.99	371		-	-	*		Co-elute PCB 149	
PCB-149	9.64e+05	1.18	y	38:24	0.99	371		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.95	*		1220	1220	10.5			
PCB-143	8.55e+04	1.35	y	39:01	0.81	40.0		-	-	*		Co-elute PCB 134	
PCB-134	8.55e+04	1.35	y	39:01	0.81	40.0		-	-	*		Co-elute PCB 143	
PCB-131	3.90e+04	1.31	y	39:17	0.84	17.8	J	-	-	*		Co-elute PCB 133	
PCB-133	3.90e+04	1.31	y	39:17	0.84	17.8	J	-	-	*		Co-elute PCB 131	
PCB-142	1.68e+06	1.30	y	39:25	0.83	774		-	-	*			
PCB-165	2.11e+05	1.07	y	39:38	1.04	77.4		-	-	*		Co-elute PCB 146	
PCB-146	2.11e+05	1.07	y	39:38	1.04	77.4		-	-	*		Co-elute PCB 165	
PCB-161	3.62e+05	1.19	y	39:53	1.00	138		-	-	*		Co-elute PCB 132	
PCB-132	3.62e+05	1.19	y	39:53	1.00	138		-	-	*		Co-elute PCB 161	
PCB-153	1.18e+06	1.28	y	40:01	1.17	386		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		890	810	5.94			
PCB-141	1.53e+05	1.20	y	40:43	0.93	62.6		-	-	*			
PCB-137	4.88e+04	1.12	y	41:04	0.88	21.2		-	-	*			
PCB-130	8.14e+04	1.13	y	41:11	0.87	35.6		-	-	*			
PCB-138	1.08e+06	1.31	y	41:32	1.14	363		-	-	*		Co-elute PCB 163/164	
PCB-163	1.08e+06	1.31	y	41:32	1.14	363		-	-	*		Co-elute PCB 138/164	
PCB-164	1.08e+06	1.31	y	41:32	1.14	363		-	-	*		Co-elute PCB 138/163	
PCB-158	1.37e+05	1.39	y	41:45	1.25	41.7		-	-	*		Co-elute PCB 160	
PCB-160	1.37e+05	1.39	y	41:45	1.25	41.7		-	-	*		Co-elute PCB 158	
PCB-129	5.76e+04	1.17	y	42:00	0.81	27.2		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		890	810	5.76			
PCB-159	*	*	n	NotFnd	1.33	*		890	810	5.29			
PCB-128	1.66e+05	1.12	y	42:59	1.06	59.6		-	-	*		Co-elute PCB 162	
PCB-162	1.66e+05	1.12	y	42:59	1.06	59.6		-	-	*		Co-elute PCB 128	
PCB-167	5.29e+04	1.17	y	43:22	1.23	16.1	J	-	-	*			
13C-PCB-167	2.67e+07	1.31	y	43:21	1.14	8590					85.9	3.28e+06	2.49e+06
PCB-156	8.32e+04	1.41	y	44:36	1.29	25.1		-	-	*			
13C-PCB-156	2.57e+07	1.30	y	44:35	1.12	8390					83.9	3.32e+06	2.54e+06
PCB-157	3.09e+04	1.20	y	44:51	1.24	9.08	J	-	-	*			
13C-PCB-157	2.74e+07	1.29	y	44:50	1.14	8780					87.8	3.46e+06	2.74e+06
PCB-169	*	*	n	NotFnd	1.20	*		890	810	5.45			
13C-PCB-169	2.54e+07	1.27	y	46:43	1.17	7970					79.7	3.65e+06	2.82e+06

FAL ID: 13371-002-0001-SA Filename: 20OCT20Z Sam:5 Acquired: 20-OCT-20 12:34:32 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR+AC-CA-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

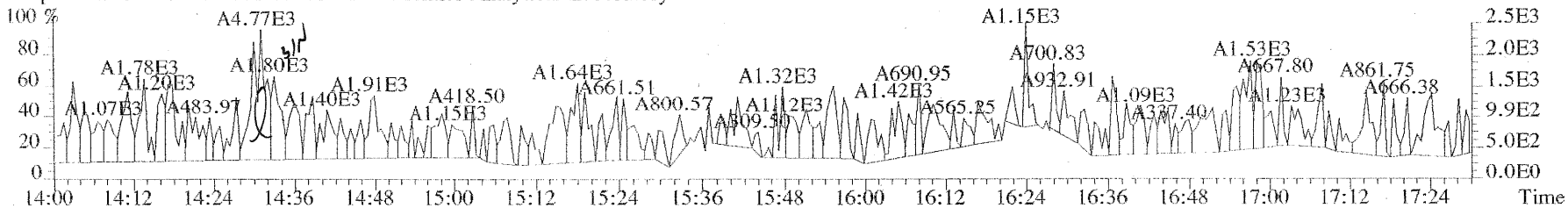
PCB-188	*	*	n	NotFnd	1.21	*		840	760	7.45			
13C-PCB-188	1.85e+07	1.10	y	39:38	0.86	7880					78.8	2.34e+06	2.10e+06
PCB-184	1.19e+07	1.08	y	40:05	1.31	5130		-	-	*			
PCB-179	7.85e+04	1.07	y	40:51	1.28	34.7		-	-	*			
PCB-176	3.46e+04	0.96	y	41:17	1.26	15.5	J	-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		840	760	7.02			
PCB-178	3.98e+04	1.12	y	42:18	0.90	25.0		-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*		840	760	9.22			
PCB-187	1.74e+05	1.02	y	42:46	1.02	96.3		-	-	*		Co-elute PCB 182	
PCB-182	1.74e+05	1.02	y	42:46	1.02	96.3		-	-	*		Co-elute PCB 187	
PCB-183	8.15e+04	1.02	y	43:06	0.99	46.4		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		840	760	9.10			
PCB-174	1.03e+05	1.08	y	44:03	0.94	62.2		-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*		840	760	9.44			
PCB-177	6.99e+04	1.07	y	44:20	0.84	47.0		-	-	*			
PCB-171	3.38e+04	1.04	y	44:36	0.92	20.8		-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		840	760	10.4			
PCB-172	2.11e+05	1.04	y	45:22	0.87	137		-	-	*			
PCB-192	8.13e+06	1.08	y	45:34	1.14	4040		-	-	*			
PCB-180	1.93e+05	1.01	y	45:45	0.89	122		-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*		840	760	6.96			
PCB-191	*	*	n	NotFnd	1.27	*		840	760	6.77			
PCB-170	6.15e+04	1.04	y	47:03	0.89	38.9		-	-	*			
PCB-190	*	*	n	NotFnd	1.18	*		840	760	7.24			
PCB-189	*	*	n	NotFnd	1.21	*		840	760	6.68			
13C-PCB-189	1.68e+07	1.11	y	48:24	0.88	7030					70.3	2.62e+06	2.32e+06
PCB-202	*	*	n	NotFnd	1.16	*		540	510	7.71			
PCB-201	*	*	n	NotFnd	1.24	*		540	510	7.21			
PCB-204	1.64e+07	0.93	y	45:22	1.26	10000		-	-	*			
PCB-197	9.66e+04	0.97	y	45:39	1.29	57.6		-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*		540	510	7.05			
PCB-198	*	*	n	NotFnd	0.91	*		540	510	9.88			
PCB-199	*	*	n	NotFnd	0.95	*		540	510	9.38			
PCB-203	*	*	n	NotFnd	1.01	*		540	510	8.82		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	1.01	*		540	510	8.82		Co-elute PCB 203	
13C-PCB-202	1.30e+07	0.95	y	44:45	0.68	7050					70.5	1.45e+06	1.48e+06
13C-PCB-178	1.54e+07	1.08	y	42:16	0.70	8040					80.4	1.77e+06	1.63e+06
13C-PCB-138	2.72e+07	1.29	y	41:30	-	68.9							
PCB-195	*	*	n	NotFnd	0.85	*		1190	1120	7.49			
PCB-194	5.83e+04	0.77	y	49:48	0.94	22.0		-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*		1190	1120	5.69			
13C-PCB-205	2.82e+07	0.89	y	50:02	1.22	9020					90.2	4.23e+06	4.82e+06
PCB-208	*	*	n	NotFnd	1.11	*		1160	1470	7.94			
13C-PCB-208	2.21e+07	0.83	y	49:07	0.98	8800					88.0	3.43e+06	4.04e+06
PCB-207	9.32e+04	1.48	y	49:25	1.26	37.6		-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*		1160	1470	9.52			
13C-PCB-206	1.71e+07	0.81	y	51:14	0.75	8920					89.2	2.66e+06	3.30e+06
PCB-209	1.16e+05	1.09	y	52:26	1.22	55.2		-	-	*			
13C-PCB-209	1.71e+07	1.23	y	52:26	0.80	8400					84.0	2.90e+06	2.26e+06
13C-PCB-194	2.56e+07	0.91	y	49:48	-	61.4							

Analyst: _____ Date: 10/28/20

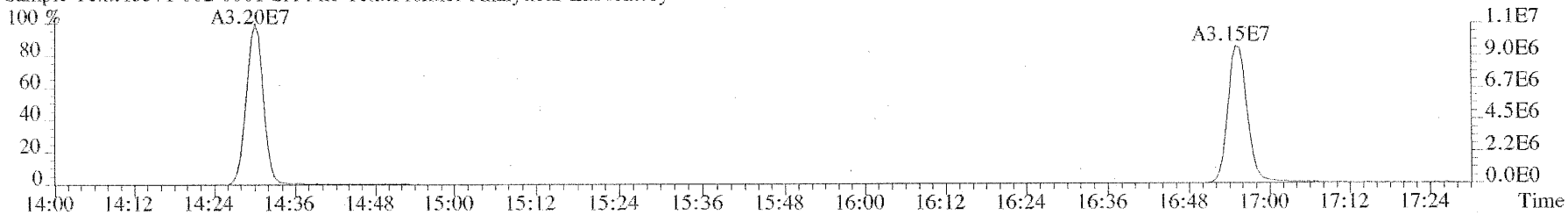
File:20OCT20Z #1-784 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



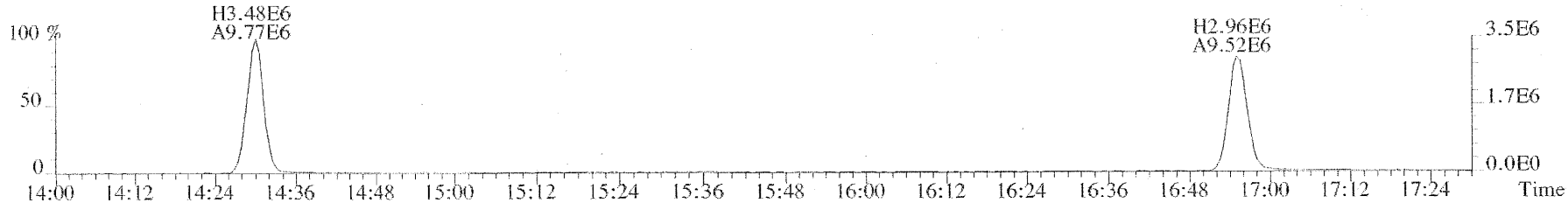
File:20OCT20Z #1-784 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



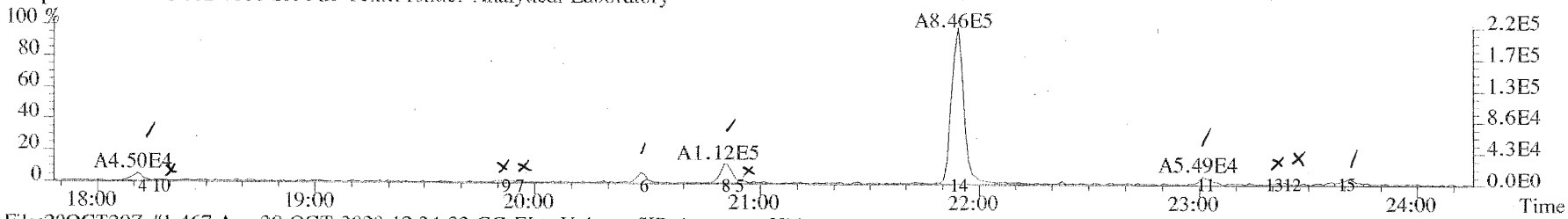
File:20OCT20Z #1-784 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



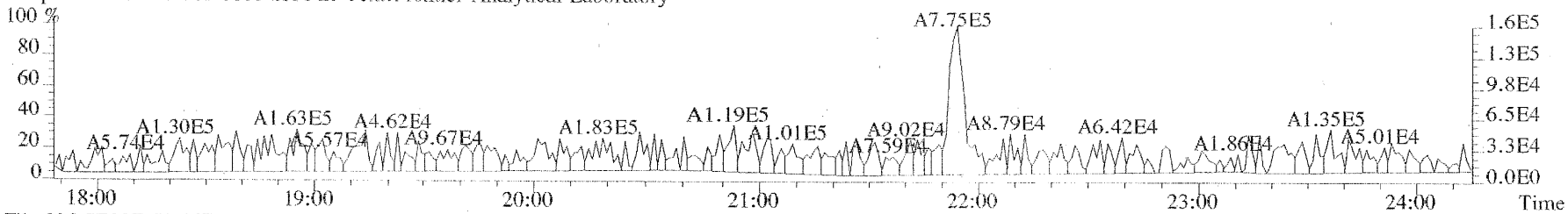
File:20OCT20Z #1-784 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



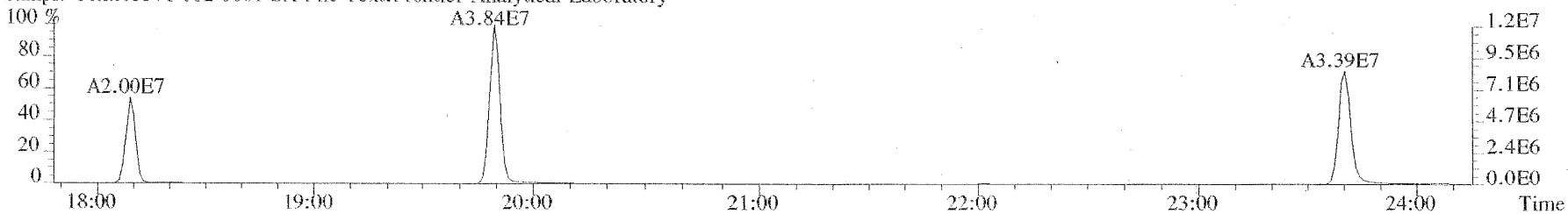
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



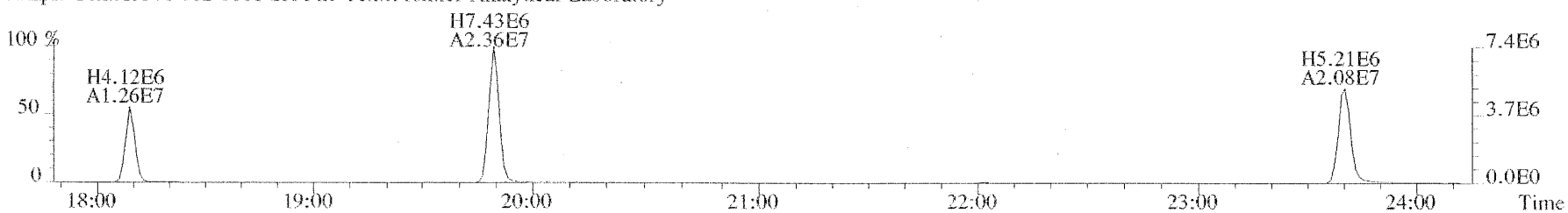
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



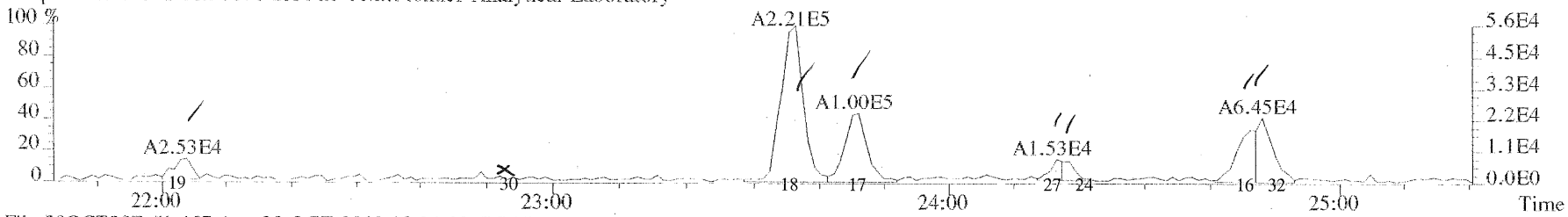
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



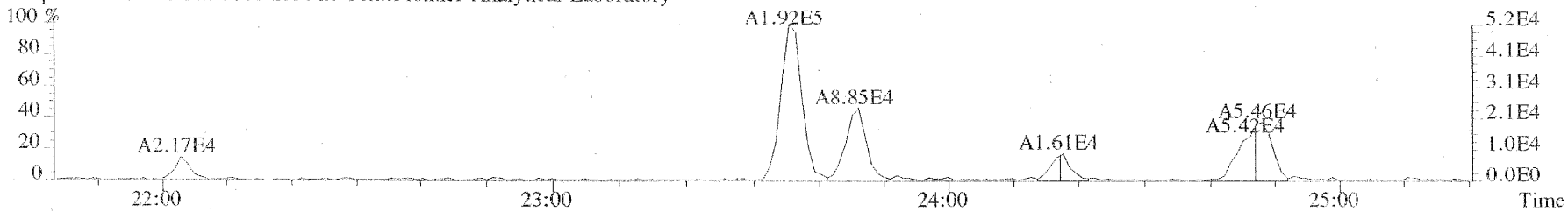
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



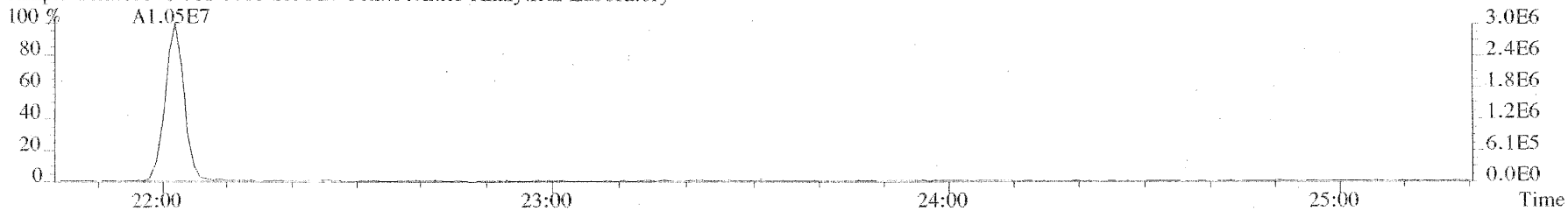
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



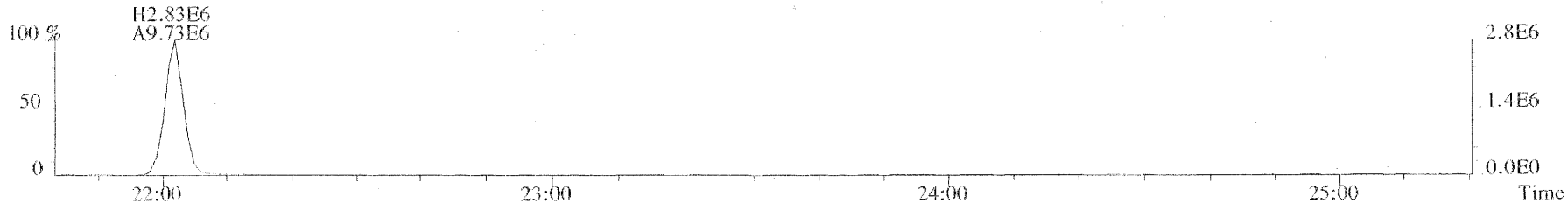
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



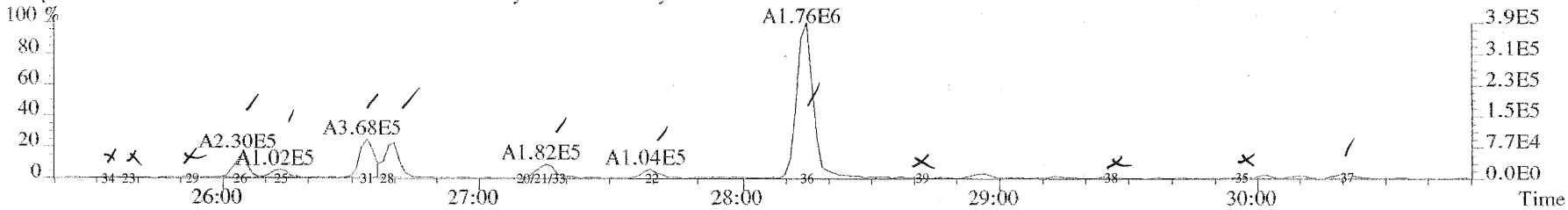
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



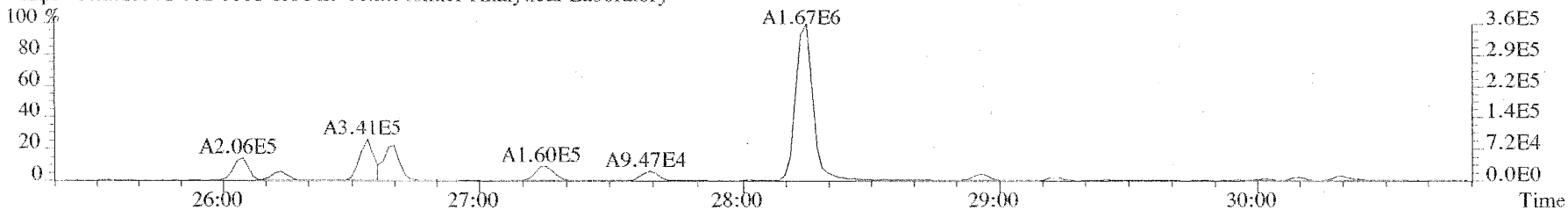
File:20OCT20Z #1-467 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



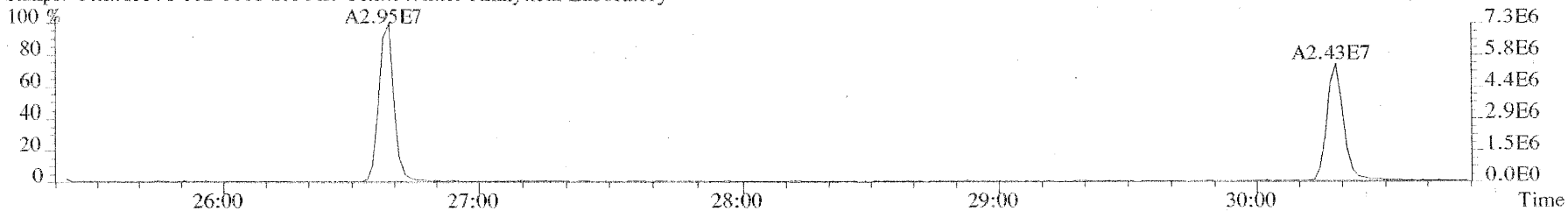
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



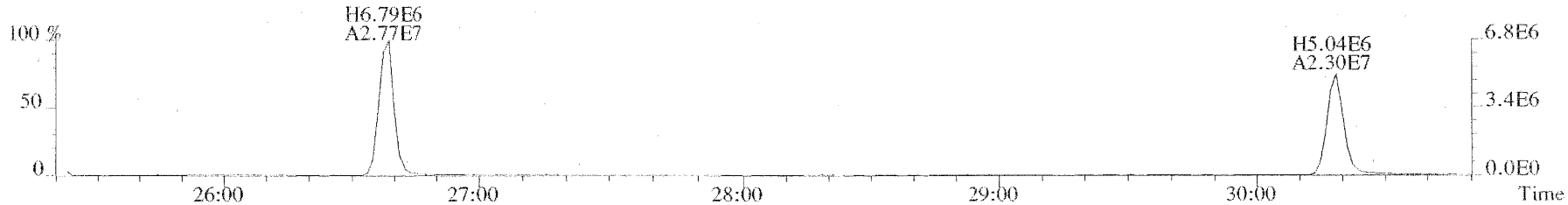
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



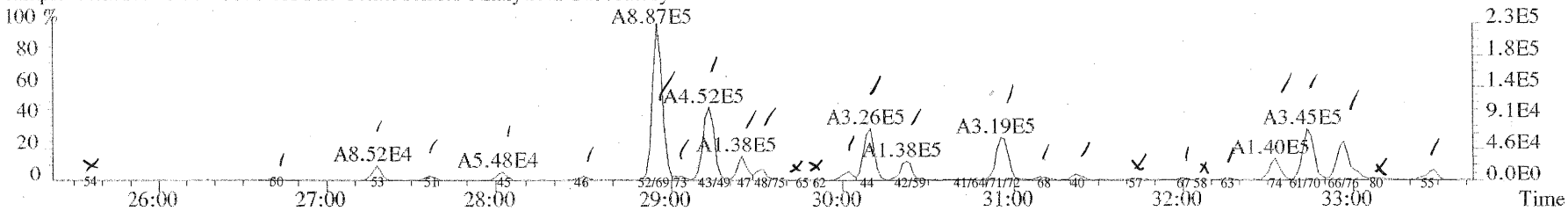
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



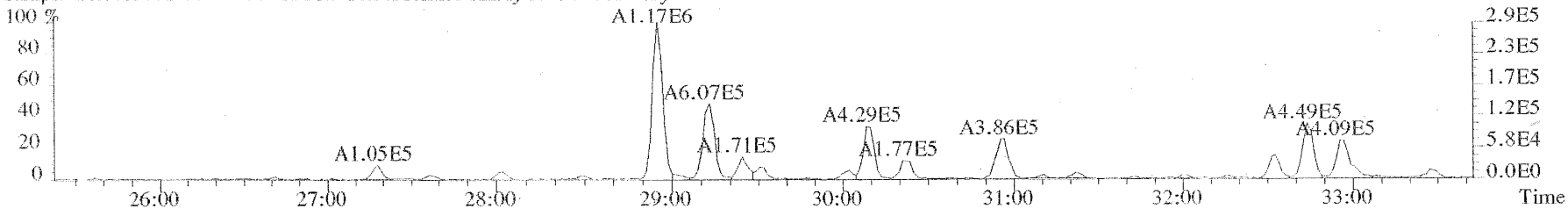
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



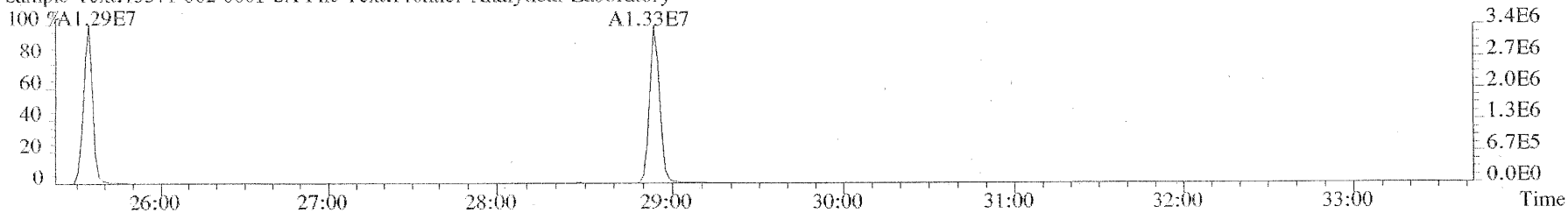
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



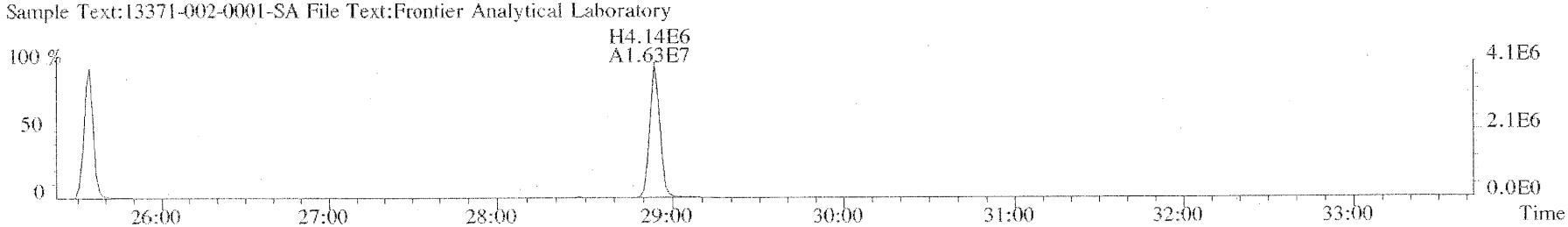
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



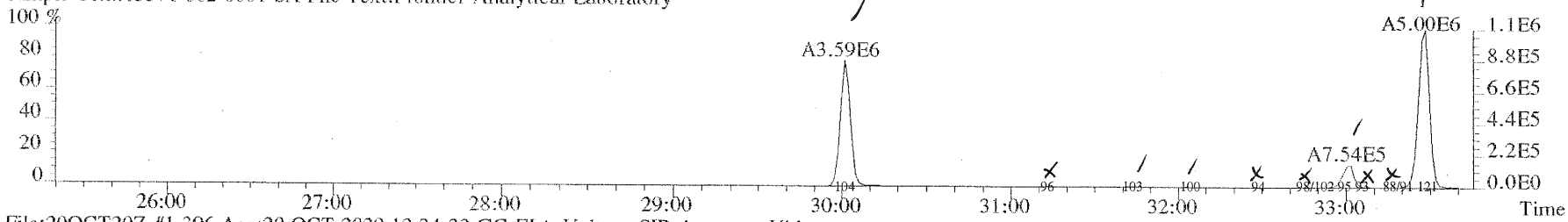
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



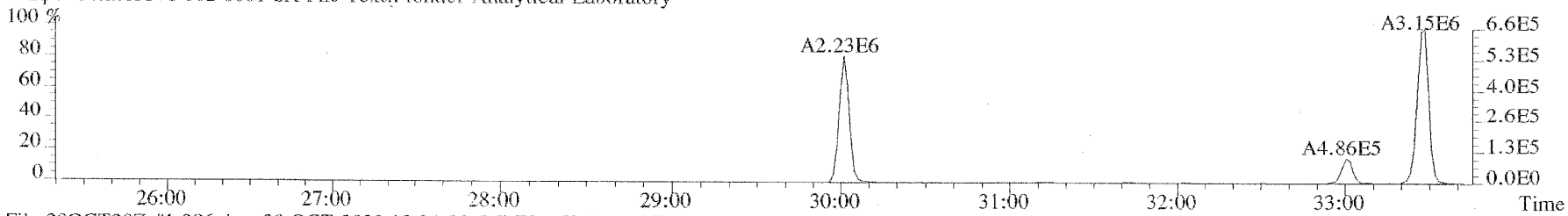
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



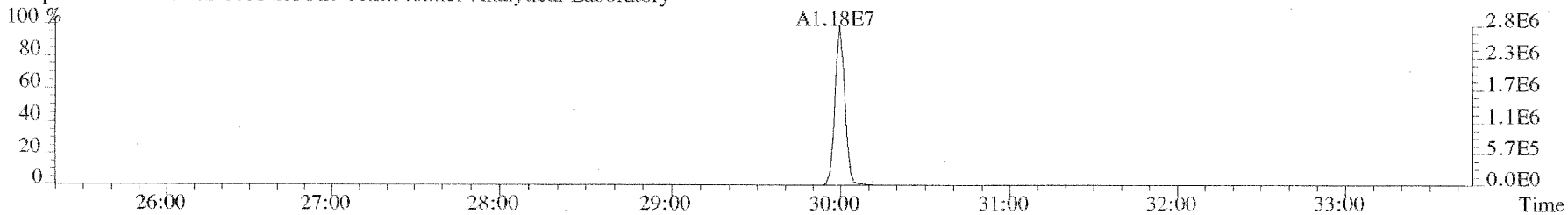
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



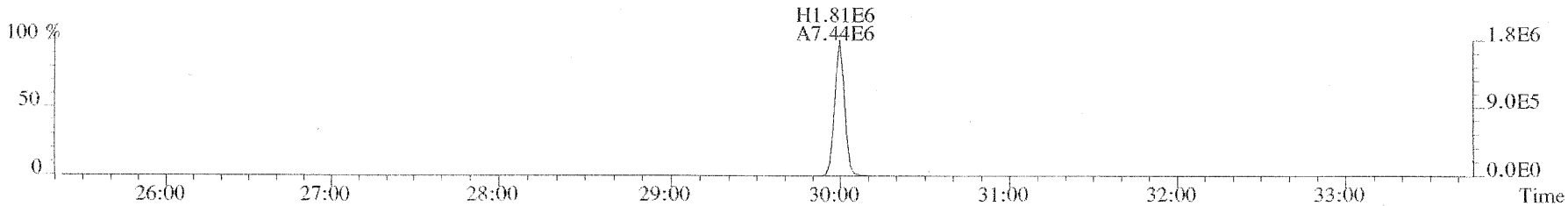
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



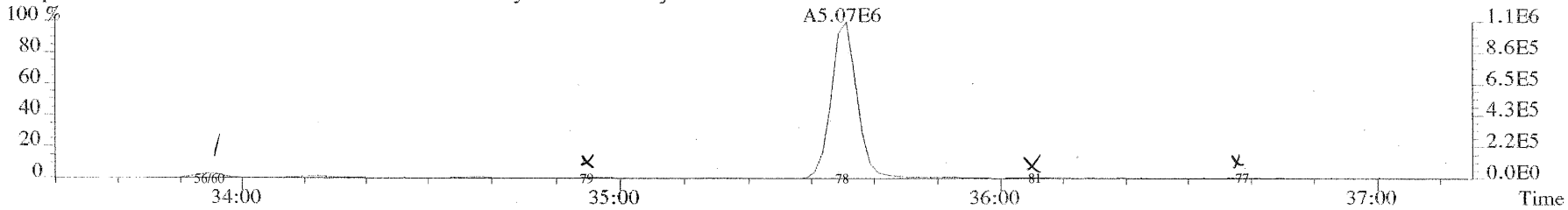
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



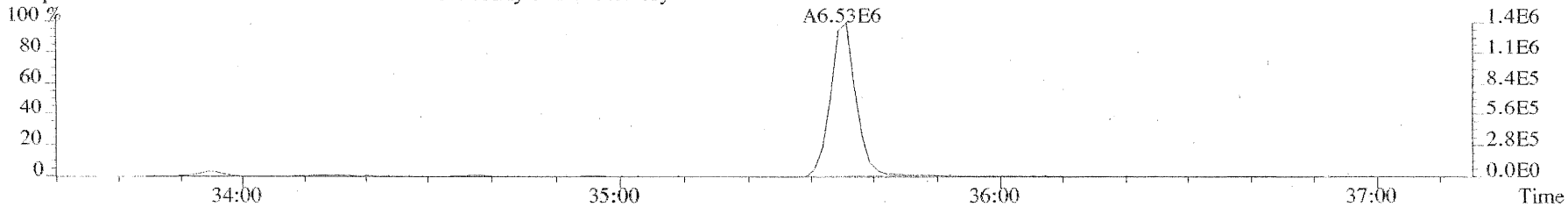
File:20OCT20Z #1-396 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



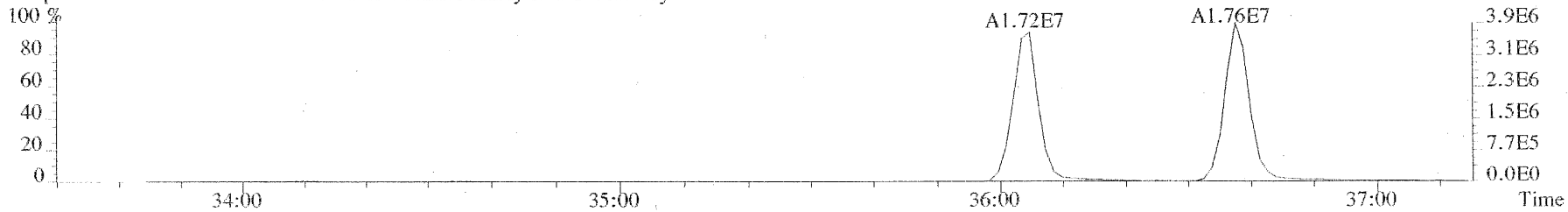
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



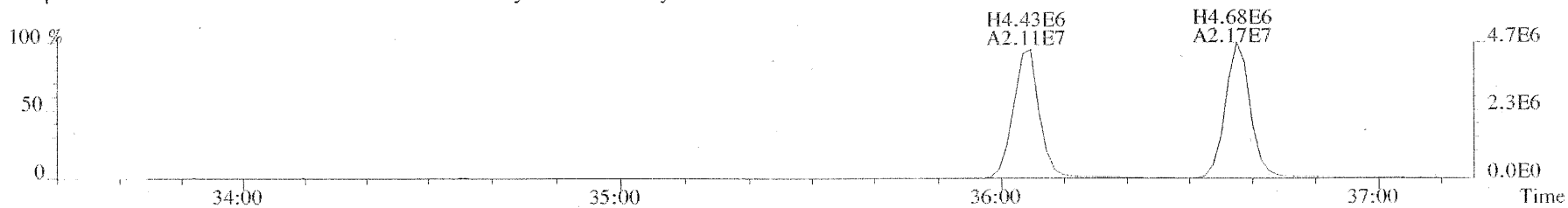
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



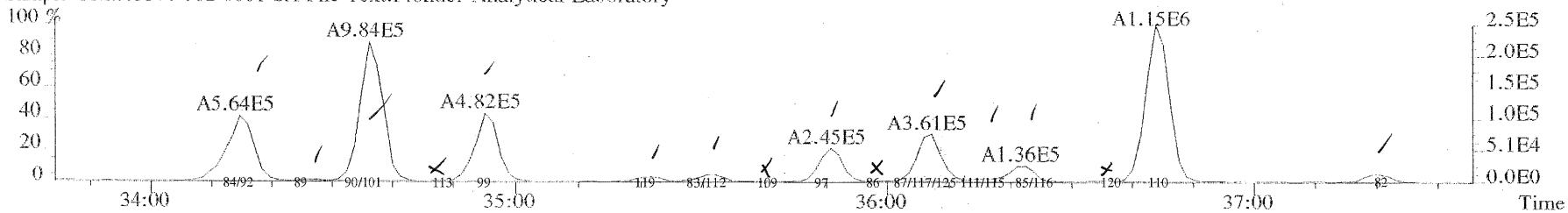
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



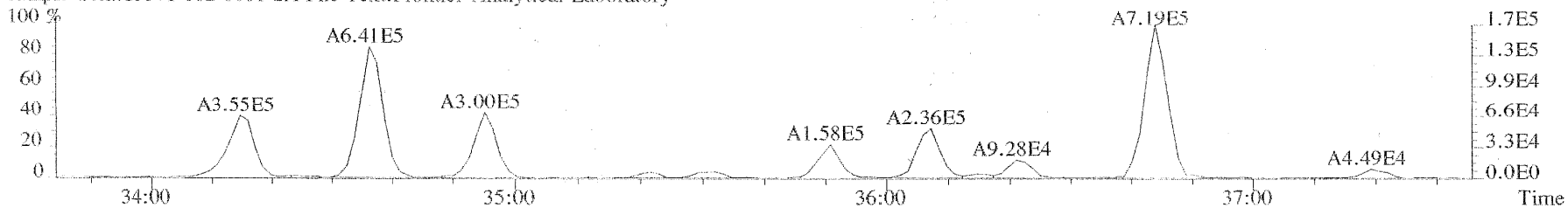
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



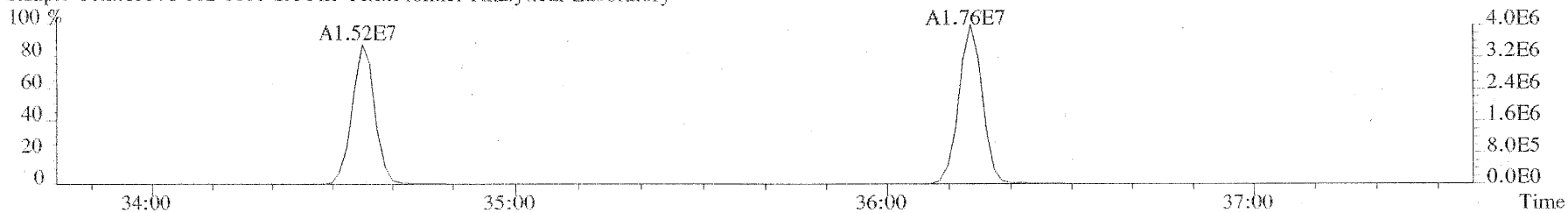
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



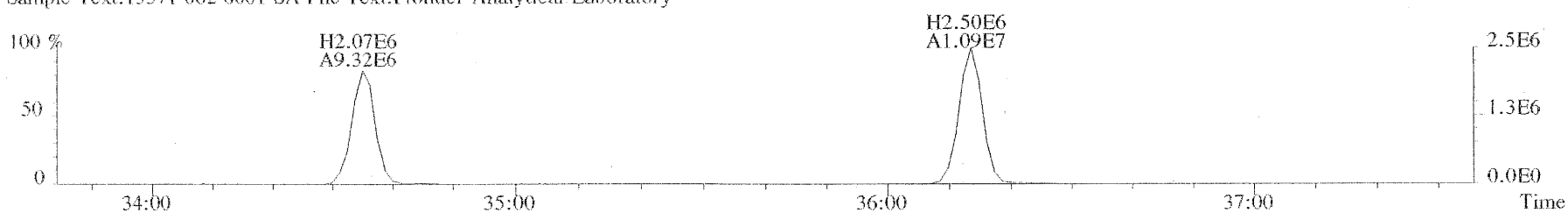
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



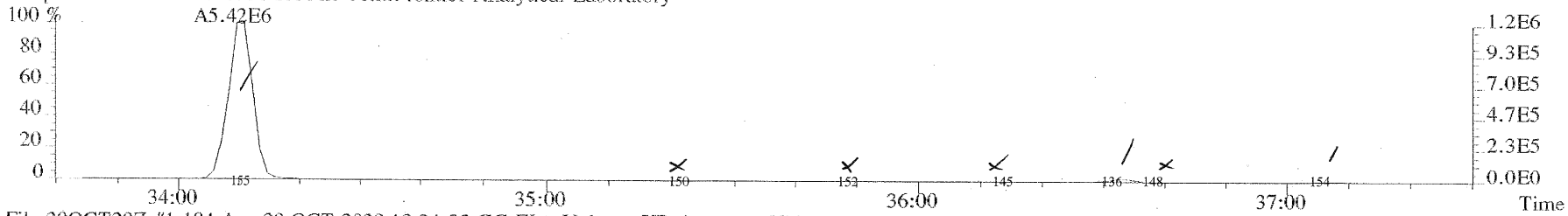
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



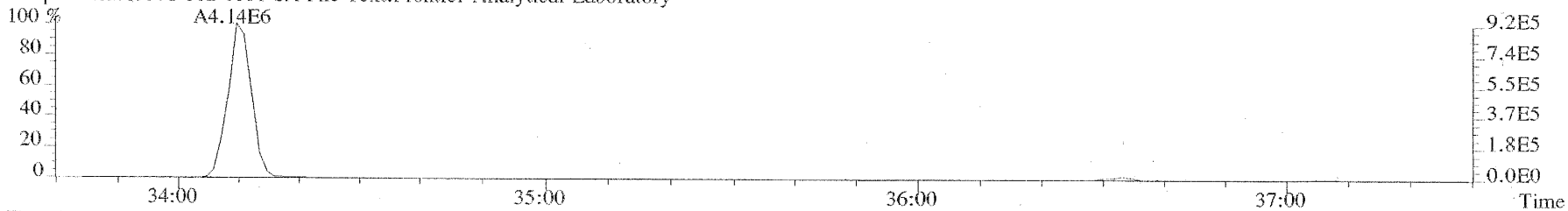
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



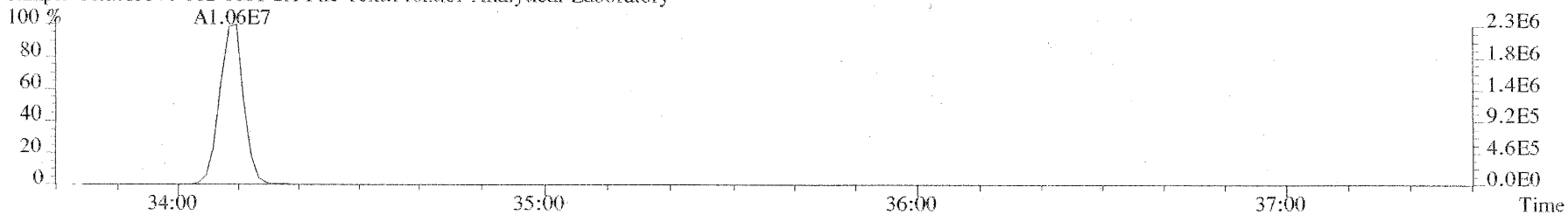
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



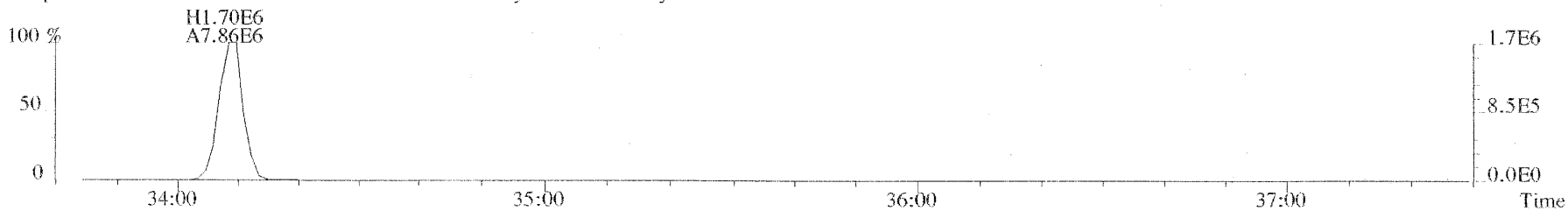
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



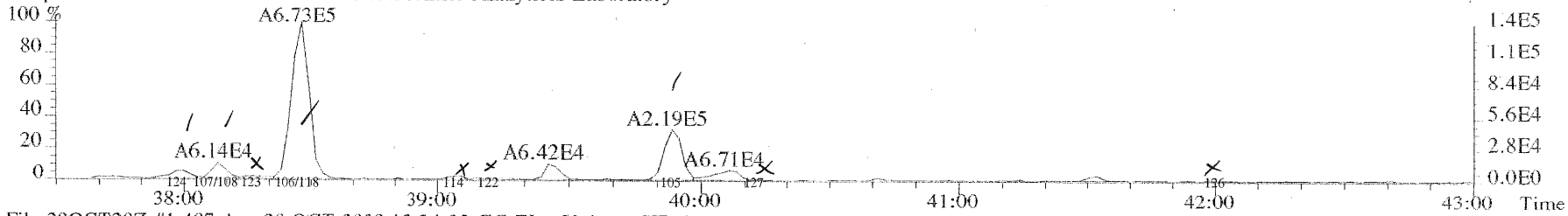
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



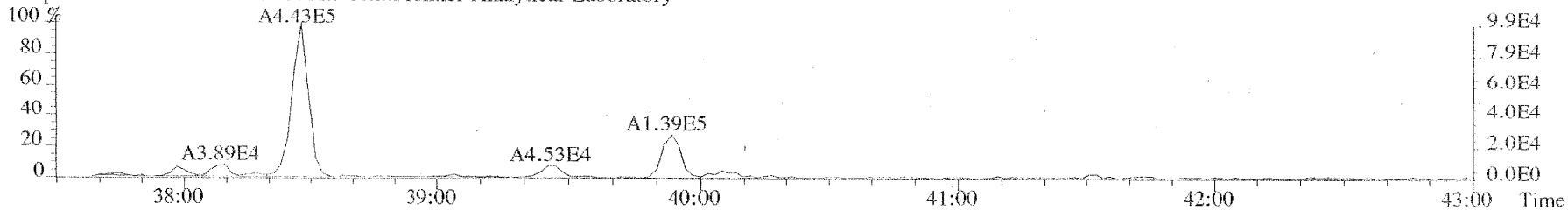
File:20OCT20Z #1-184 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



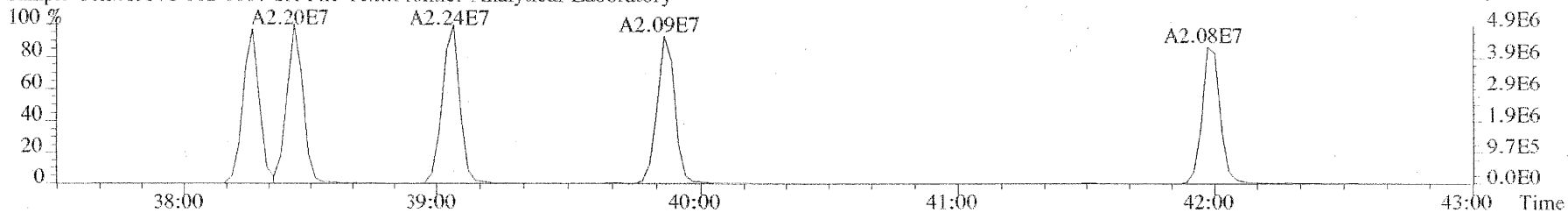
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



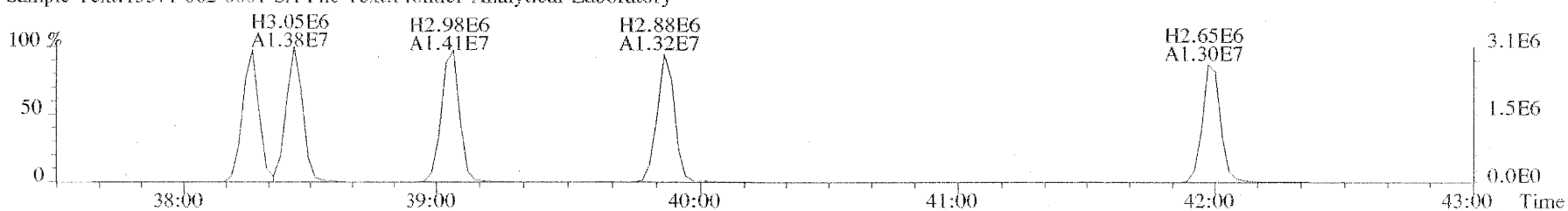
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



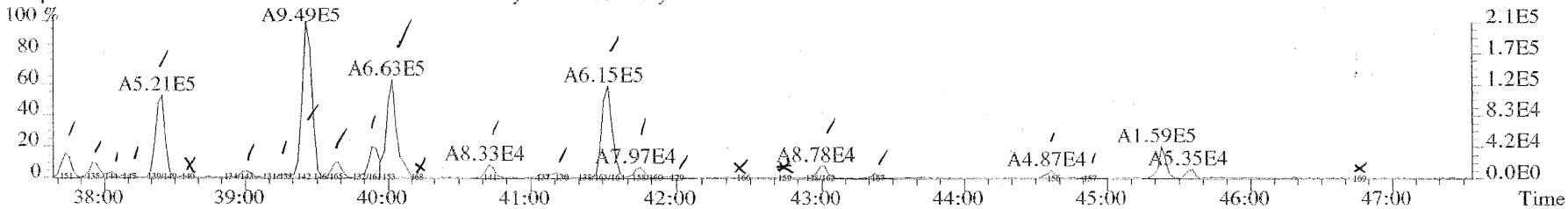
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



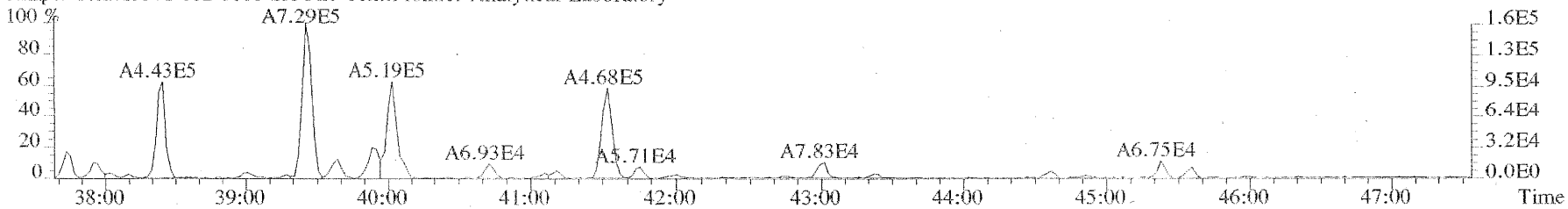
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



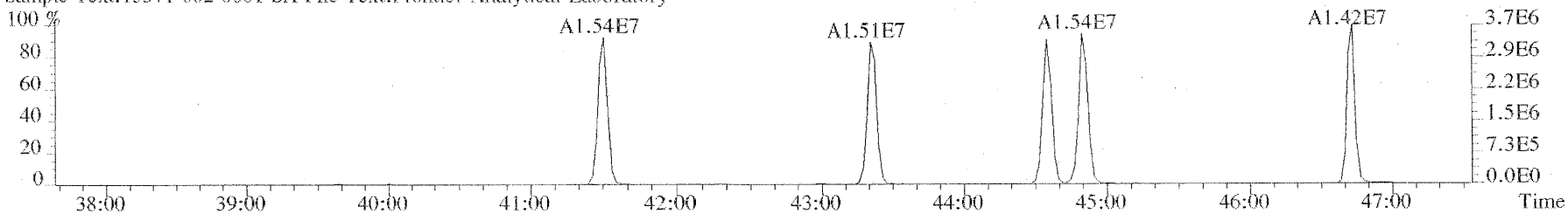
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



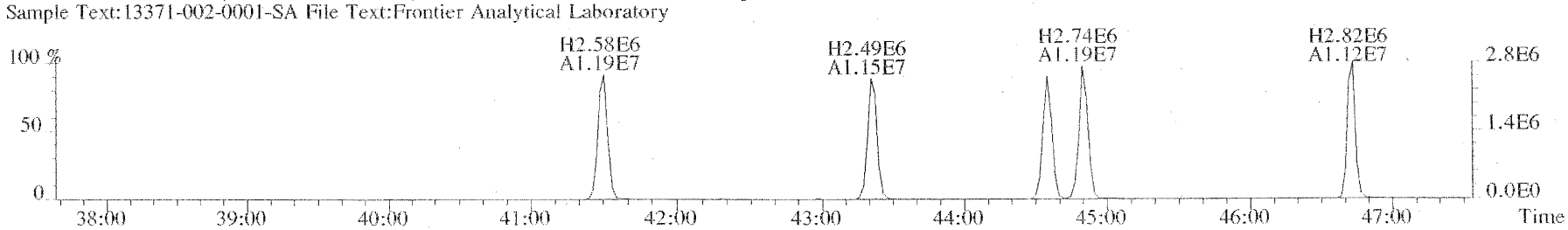
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



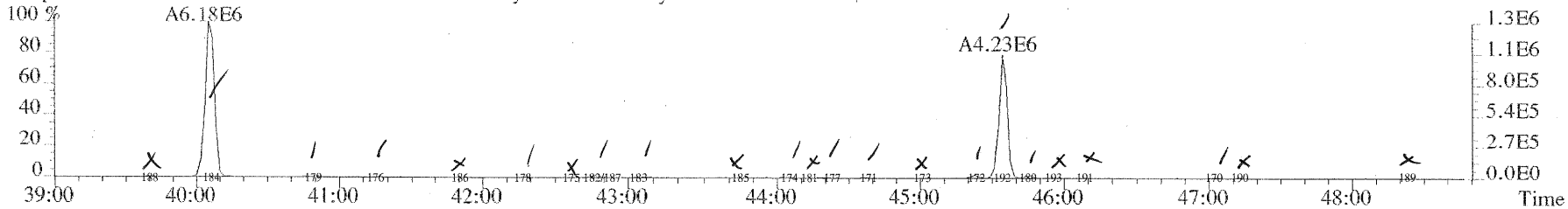
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



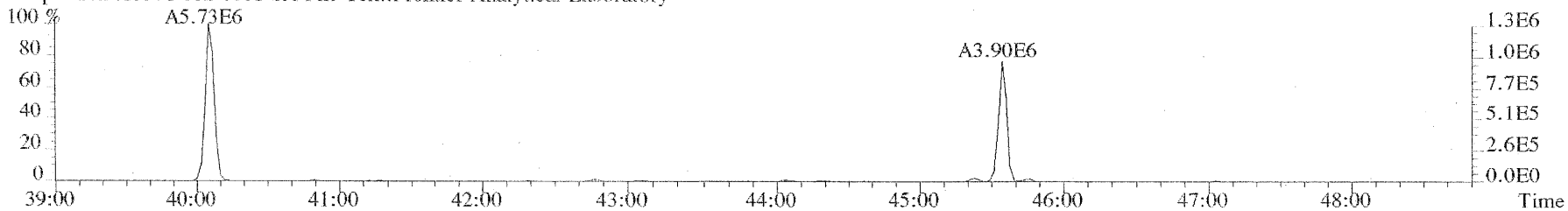
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



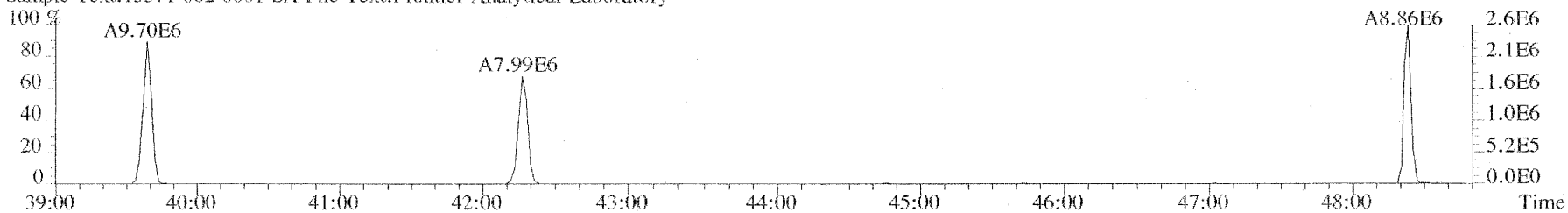
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



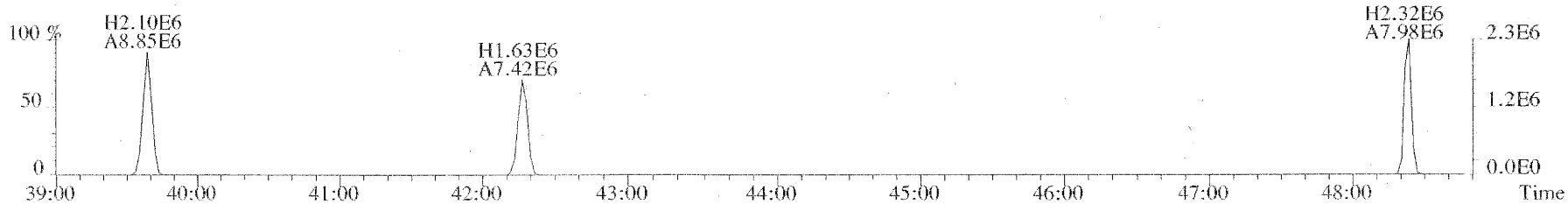
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



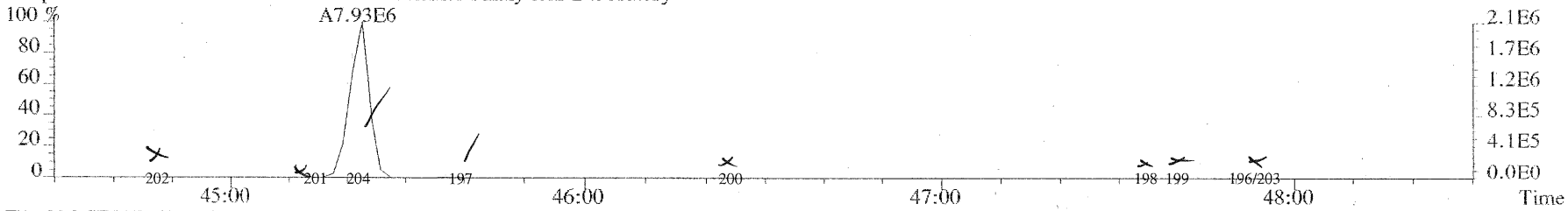
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



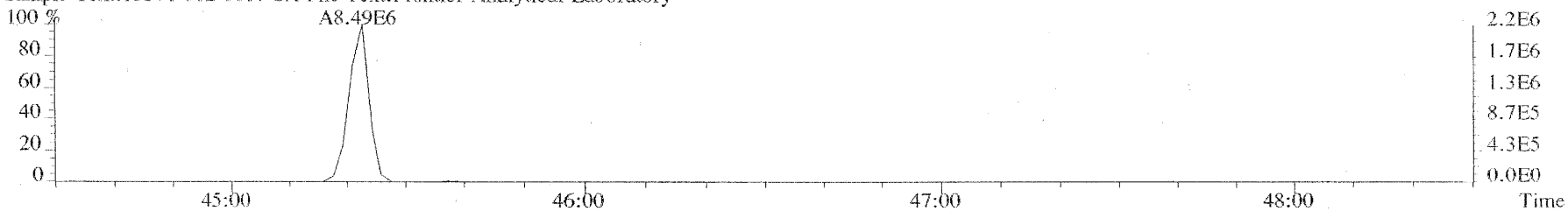
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



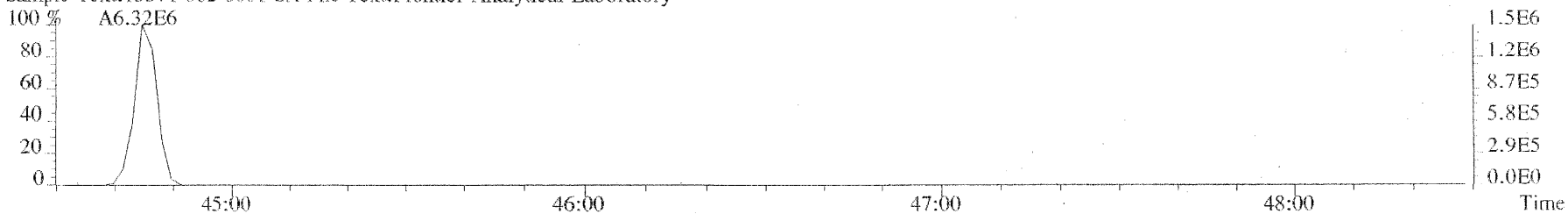
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



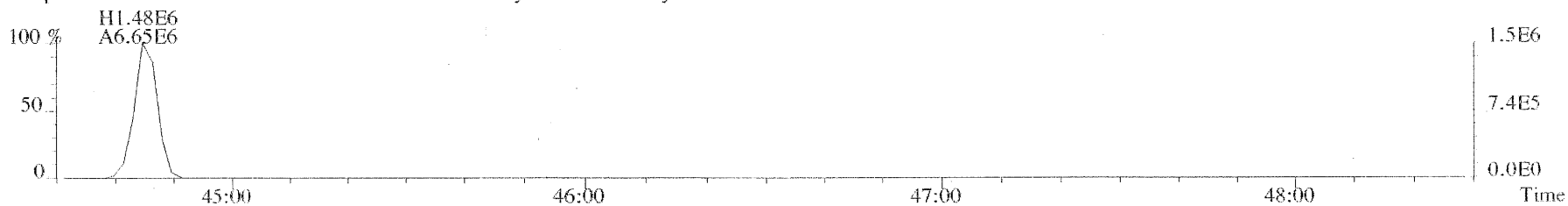
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



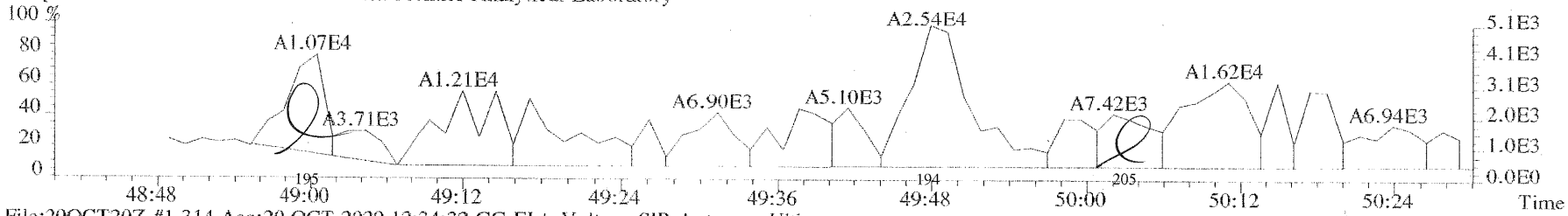
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



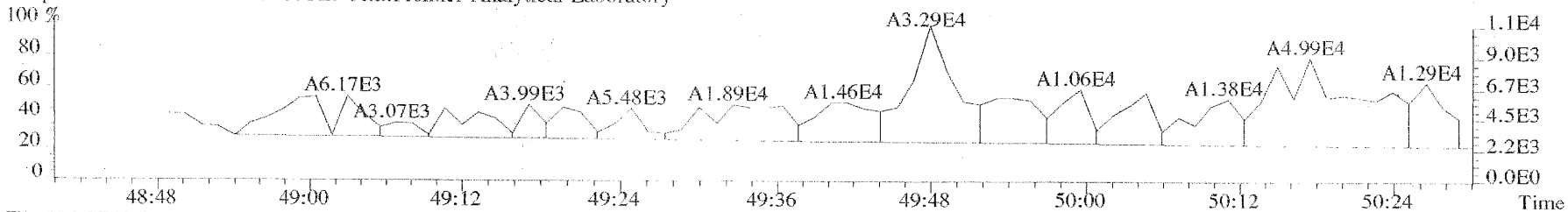
File:20OCT20Z #1-407 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



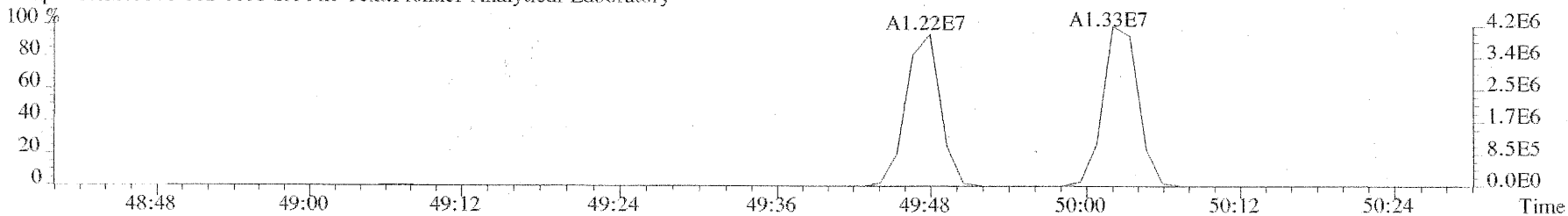
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



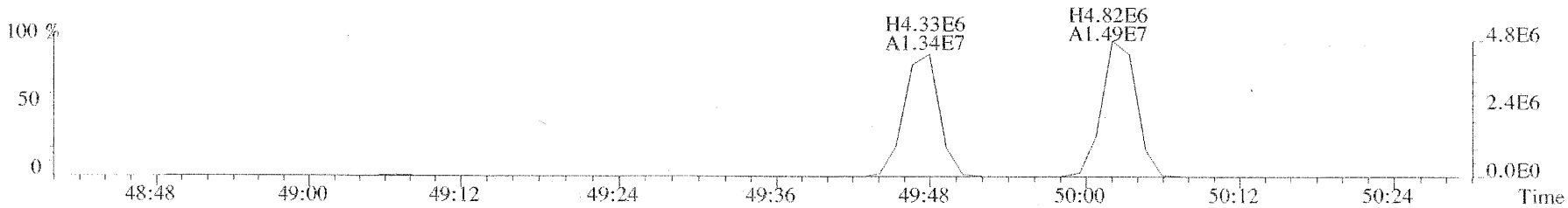
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



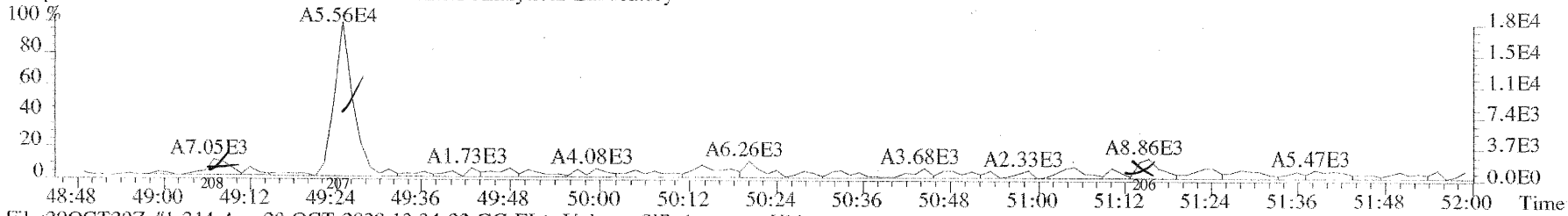
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



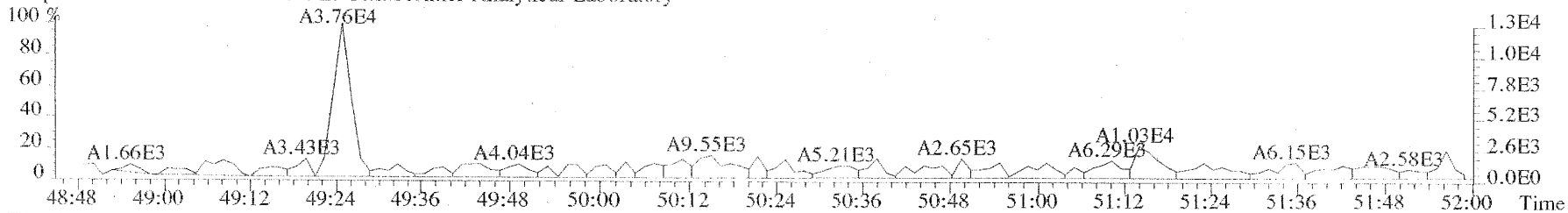
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



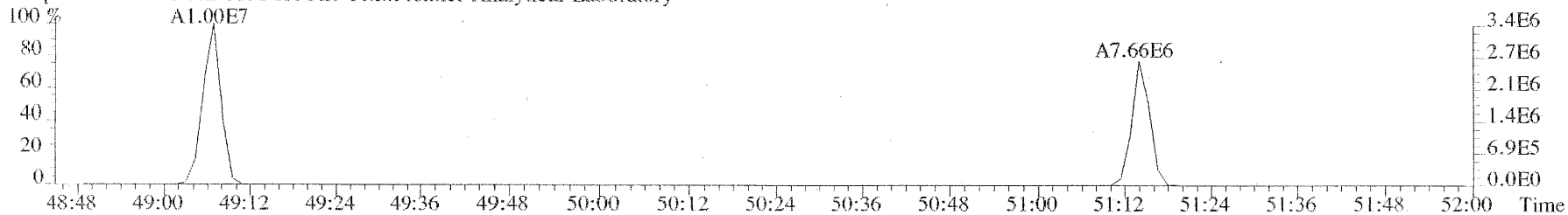
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



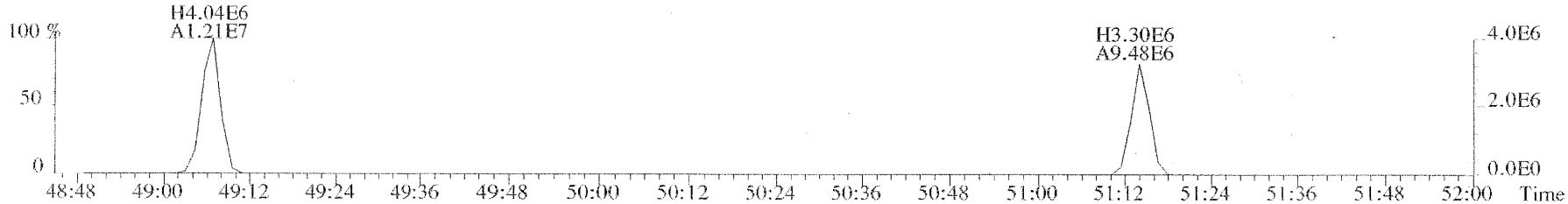
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



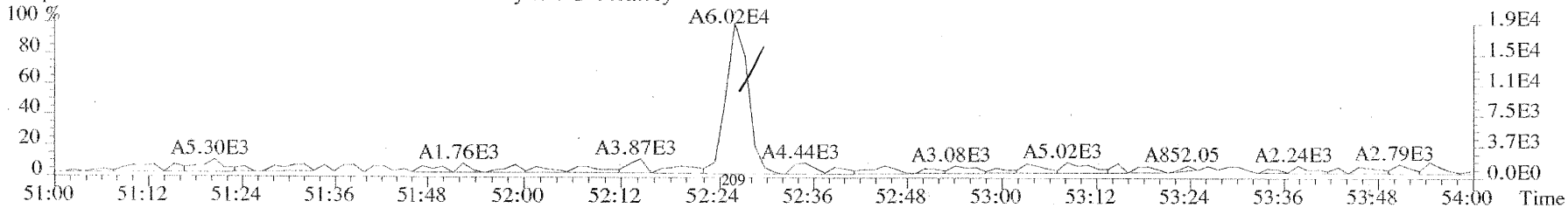
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



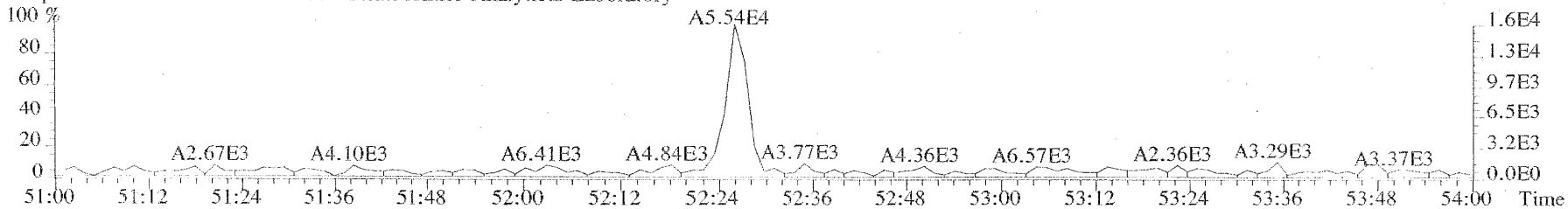
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



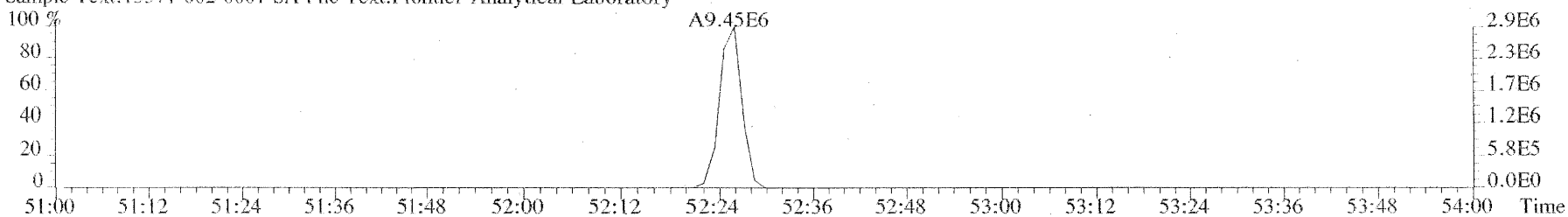
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



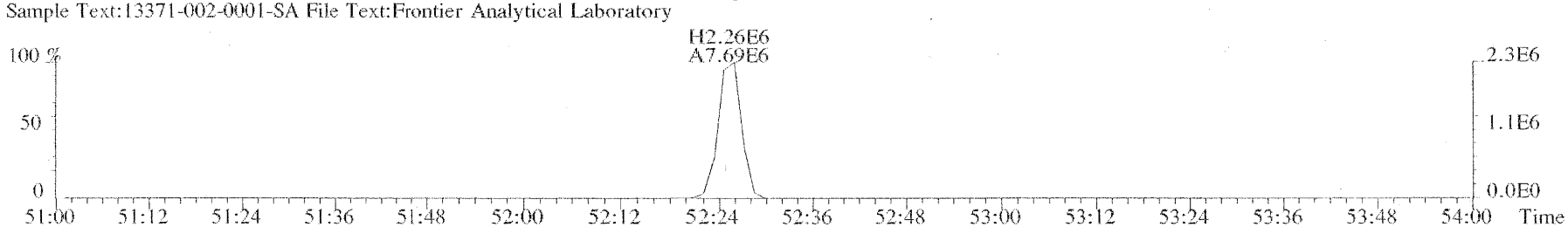
File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 12:34:32 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-003-0001-SA Filename: 20OCT20Z Sam:6 Acquired: 20-OCT-20 13:32:53 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR+AC-CB-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1430	1070	4.05			
13C-PCB-1	3.41e+07	3.29 y	14:30	0.87	7100					71.0	8.93e+06	2.73e+06
PCB-2	*	* n	NotFnd	1.31	*		1430	1070	4.18			
PCB-3	*	* n	NotFnd	1.32	*		1430	1070	4.27			
13C-PCB-3	3.47e+07	3.31 y	16:55	0.82	7590					75.9	8.52e+06	2.59e+06
PCB-4	9.27e+04	1.44 y	18:11	1.06	30.8		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		1230	2930	7.54			
13C-PCB-4	2.85e+07	1.57 y	18:10	0.65	7880					78.8	5.50e+06	3.39e+06
PCB-9	*	* n	NotFnd	1.28	*		1230	2930	7.64			
PCB-7	*	* n	NotFnd	1.33	*		1230	2930	7.38			
PCB-6	1.02e+05	1.52 y	20:29	1.42	19.3	J	-	-	*			
PCB-8	1.82e+05	1.52 y	20:51	1.27	38.3		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		1230	2930	7.98			
PCB-14	1.23e+06	1.46 y	21:54	1.28	257		-	-	*			
PCB-11	1.08e+05	1.51 y	23:02	1.23	23.5		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		1230	2930	8.01			
PCB-12	*	* n	NotFnd	1.25	*		1230	2930	7.87			
PCB-15	9.06e+04	1.44 y	23:42	1.12	17.4	J	-	-	*			
13C-PCB-15	4.62e+07	1.60 y	23:40	1.02	8200					82.0	7.45e+06	4.64e+06
PCB-19	4.75e+04	0.92 y	22:04	1.27	21.9		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1440	508	5.62			
PCB-18	3.46e+05	1.07 y	23:36	1.28	158		-	-	*			
PCB-17	1.57e+05	1.13 y	23:46	1.42	64.7		-	-	*			
PCB-27	3.63e+04	1.10 y	24:17	1.89	11.2	J	-	-	*			
PCB-24	3.67e+04	1.13 y	24:18	1.83	11.7	J	-	-	*			
PCB-16	1.19e+05	1.12 y	24:47	1.61	43.4		-	-	*			
PCB-32	9.25e+04	1.16 y	24:49	1.67	32.5		-	-	*			
13C-PCB-19	1.71e+07	1.09 y	22:02	0.42	7350					73.5	2.39e+06	2.17e+06
13C-PCB-9	5.55e+07	1.61 y	19:50	-	75.9							
PCB-34	*	* n	NotFnd	1.07	*		1510	1430	7.43			
PCB-23	*	* n	NotFnd	1.13	*		1510	1430	7.06			
PCB-29	*	* n	NotFnd	1.09	*		1510	1430	7.28			
PCB-26	3.47e+05	1.10 y	26:04	1.07	80.5		-	-	*			
PCB-25	1.63e+05	1.14 y	26:13	1.06	38.1		-	-	*			
PCB-31	7.05e+05	1.17 y	26:33	1.32	133		-	-	*			
PCB-28	7.75e+05	0.94 y	26:40	1.32	146		-	-	*			
PCB-20	3.52e+05	1.01 y	27:16	1.08	80.8		-	-	*		Co-elute PCB 21/33	
PCB-21	3.52e+05	1.01 y	27:16	1.08	80.8		-	-	*		Co-elute PCB 20/33	
PCB-33	3.52e+05	1.01 y	27:16	1.08	80.8		-	-	*		Co-elute PCB 20/21	
PCB-22	2.05e+05	0.96 y	27:39	1.20	42.3		-	-	*			
PCB-36	2.93e+06	1.08 y	28:15	1.13	641		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1510	1430	7.03			
PCB-38	*	* n	NotFnd	1.08	*		1510	1430	7.34			
PCB-35	*	* n	NotFnd	1.10	*		1510	1430	7.26			
PCB-37	1.31e+05	1.14 y	30:20	1.14	28.7		-	-	*			
13C-PCB-37	4.03e+07	1.08 y	30:18	1.64	9540					95.4	4.81e+06	4.44e+06

PCB-54	*	*	n	NotFnd	1.36	*		884	960	5.22			
PCB-50	*	*	n	NotFnd	1.06	*		884	960	6.69			
PCB-53	1.55e+05	0.81	y	27:18	1.04	62.3		-	-	*			
PCB-51	5.94e+04	0.68	y	27:37	1.10	22.7		-	-	*			
PCB-45	9.65e+04	0.77	y	28:02	0.92	44.1		-	-	*			
PCB-46	4.27e+04	0.81	y	28:31	0.88	20.2		-	-	*			
PCB-52	1.65e+06	0.79	y	28:56	1.15	601		-	-	*		Co-elute PCB 69	
PCB-69	1.65e+06	0.79	y	28:56	1.15	601		-	-	*		Co-elute PCB 52	
PCB-73	5.94e+04	0.74	y	29:01	1.32	18.8	J	-	-	*			
PCB-43	8.22e+05	0.80	y	29:13	0.99	346		-	-	*		Co-elute PCB 49	
PCB-49	8.22e+05	0.80	y	29:13	0.99	346		-	-	*		Co-elute PCB 43	
PCB-47	2.90e+05	0.69	y	29:25	1.01	120		-	-	*			
PCB-48	1.71e+05	0.85	y	29:32	1.31	54.5		-	-	*		Co-elute PCB 75	
PCB-75	1.71e+05	0.85	y	29:32	1.31	54.5		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.33	*		884	960	5.35			
PCB-62	*	*	n	NotFnd	1.28	*		884	960	5.56			
PCB-44	6.50e+05	0.85	y	30:10	0.87	314		-	-	*			
PCB-42	2.54e+05	0.68	y	30:22	1.14	93.3		-	-	*		Co-elute PCB 59	
PCB-59	2.54e+05	0.68	y	30:22	1.14	93.3		-	-	*		Co-elute PCB 42	
PCB-72	6.21e+05	0.77	y	30:56	1.28	202		-	-	*		Co-elute PCB 41/71/64	
PCB-41	6.21e+05	0.77	y	30:56	1.28	202		-	-	*		Co-elute PCB 72/71/64	
PCB-71	6.21e+05	0.77	y	30:56	1.28	202		-	-	*		Co-elute PCB 72/41/64	
PCB-64	6.21e+05	0.77	y	30:56	1.28	202		-	-	*		Co-elute PCB 72/41/71	
PCB-68	4.67e+04	0.71	y	31:10	1.49	13.1	J	-	-	*			
PCB-40	9.15e+04	0.66	y	31:22	0.81	47.1		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		884	960	5.04			
PCB-67	5.44e+04	0.79	y	32:01	1.42	16.0	J	-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		884	960	5.13			
PCB-63	4.90e+04	0.72	y	32:17	1.40	14.7	J	-	-	*			
PCB-74	3.54e+05	0.74	y	32:32	1.42	104		-	-	*			
PCB-61	7.75e+05	0.75	y	32:44	1.28	253		-	-	*		Co-elute PCB 70	
PCB-70	7.75e+05	0.75	y	32:44	1.28	253		-	-	*		Co-elute PCB 61	
PCB-76	6.99e+05	0.77	y	32:56	1.49	197		-	-	*		Co-elute PCB 66	
PCB-66	6.99e+05	0.77	y	32:56	1.49	197		-	-	*		Co-elute PCB 76	
PCB-80	*	*	n	NotFnd	1.69	*		884	960	4.22			
PCB-55	1.67e+05	0.85	y	33:28	1.49	46.9		-	-	*			
13C-PCB-54	2.39e+07	0.82	y	25:34	1.13	8230					82.3	2.91e+06	3.58e+06
PCB-104	5.36e+06	1.57	y	30:02	1.18	2840		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		384	432	4.63			
PCB-103	2.10e+04	1.37	y	31:44	0.95	13.8	J	-	-	*			
PCB-100	2.64e+04	1.48	y	32:05	0.96	17.2	J	-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		384	432	6.68			
PCB-98	9.95e+05	1.58	y	33:00	0.86	721		384	432	6.17		Co-elute PCB 102	
PCB-102	9.95e+05	1.58	y	33:00	0.86	721		384	432	6.17		Co-elute PCB 98	
PCB-95	9.95e+05	1.58	y	33:00	0.83	744		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		384	432	6.36			
PCB-88	*	*	n	NotFnd	0.87	*		384	432	6.09		Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.87	*		384	432	6.09		Co-elute PCB 88	
PCB-121	7.39e+06	1.56	y	33:28	1.18	3900		-	-	*			
13C-PCB-104	1.60e+07	1.60	y	30:00	0.90	6930					69.3	2.35e+06	1.49e+06
13C-PCB-28	5.02e+07	1.08	y	26:39	1.90	10200					102	6.35e+06	5.73e+06
13C-PCB-52	2.58e+07	0.82	y	28:55	-	64.9							

PCB-56	3.74e+05	0.72	y	33:54	1.10	101		-	-	*		Co-elute PCB 60
PCB-60	3.74e+05	0.72	y	33:54	1.10	101		-	-	*		Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1200	1450	7.25		
PCB-78	1.04e+07	0.79	y	35:36	1.21	2570		-	-	*		
PCB-81	5.99e+04	0.81	y	36:08	1.30	13.9	J	-	-	*		
13C-PCB-81	3.33e+07	0.84	y	36:05	1.63	9640					96.4	3.26e+06 3.82e+06
PCB-77	5.43e+04	0.86	y	36:39	1.16	13.8	J	-	-	*		
13C-PCB-77	3.40e+07	0.82	y	36:39	1.71	9390					93.9	3.41e+06 4.13e+06
PCB-155	8.67e+06	1.31	y	34:11	1.22	4930		-	-	*		
PCB-150	*	*	n	NotFnd	1.20	*		612	484	7.45		
PCB-152	*	*	n	NotFnd	1.19	*		612	484	7.56		
PCB-145	*	*	n	NotFnd	1.18	*		612	484	7.62		
PCB-136	1.65e+05	1.25	y	36:32	1.08	107		-	-	*		
PCB-148	*	*	n	NotFnd	1.02	*		612	484	8.82		
PCB-154	4.40e+04	1.15	y	37:07	1.05	29.1		-	-	*		
13C-PCB-155	1.44e+07	1.37	y	34:10	0.99	6880					68.8	1.82e+06 1.25e+06
13C-PCB-111	2.37e+07	1.62	y	36:15	1.27	8820					88.2	3.09e+06 1.92e+06
13C-PCB-101	2.12e+07	1.62	y	34:36	-	60.3						
PCB-84	7.18e+05	1.69	y	34:16	0.70	332		-	-	*		Co-elute PCB 92
PCB-92	7.18e+05	1.69	y	34:16	0.70	332		-	-	*		Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		751	680	7.85		
PCB-90	1.48e+06	1.57	y	34:37	0.79	609		-	-	*		Co-elute PCB 101
PCB-101	1.48e+06	1.57	y	34:37	0.79	609		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		751	680	5.83		
PCB-99	7.08e+05	1.53	y	34:56	0.84	274		-	-	*		
PCB-119	5.73e+04	1.37	y	35:20	1.01	18.4	J	-	-	*		
PCB-83	8.40e+04	1.45	y	35:32	0.80	34.1		-	-	*		Co-elute PCB 112
PCB-112	8.40e+04	1.45	y	35:32	0.80	34.1		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		751	680	5.53		
PCB-97	3.66e+05	1.44	y	35:52	0.67	179		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		751	680	7.88		
PCB-125	5.46e+05	1.58	y	36:07	0.91	196		-	-	*		Co-elute PCB 87/117
PCB-87	5.46e+05	1.58	y	36:07	0.91	196		-	-	*		Co-elute PCB 125/117
PCB-117	5.46e+05	1.58	y	36:07	0.91	196		-	-	*		Co-elute PCB 125/87
PCB-111	2.64e+04	1.52	y	36:17	0.98	8.76	J	-	-	*		Co-elute PCB 115
PCB-115	2.64e+04	1.52	y	36:17	0.98	8.76	J	-	-	*		Co-elute PCB 111
PCB-85	2.38e+05	1.50	y	36:22	0.87	88.8		-	-	*		Co-elute PCB 116
PCB-116	2.38e+05	1.50	y	36:22	0.87	88.8		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		751	680	5.00		
PCB-110	1.77e+06	1.60	y	36:45	0.99	582		-	-	*		
PCB-82	1.11e+05	1.64	y	37:20	0.61	58.8		-	-	*		
PCB-124	7.65e+04	1.57	y	38:00	1.06	23.4		-	-	*		
PCB-108	1.07e+05	1.55	y	38:10	1.11	31.4		-	-	*		Co-elute PCB 107
PCB-107	1.07e+05	1.55	y	38:10	1.11	31.4		-	-	*		Co-elute PCB 108
PCB-123	2.88e+04	1.39	y	38:16	1.00	9.71	J	-	-	*		
13C-PCB-123	2.98e+07	1.57	y	38:16	1.29	9870					98.7	4.04e+06 2.63e+06
PCB-118	1.23e+06	1.53	y	38:28	1.07	363		-	-	*		Co-elute PCB 106
PCB-106	1.23e+06	1.53	y	38:28	1.07	363		-	-	*		Co-elute PCB 118
13C-PCB-118	3.17e+07	1.59	y	38:28	1.39	9750					97.5	3.97e+06 2.46e+06
PCB-114	4.09e+04	1.53	y	39:04	1.08	12.2	J	-	-	*		
13C-PCB-114	3.11e+07	1.61	y	39:04	1.37	9720					97.2	4.32e+06 2.72e+06
PCB-122	*	*	n	NotFnd	1.15	*		1060	980	6.69		
PCB-105	4.01e+05	1.52	y	39:55	1.15	115		-	-	*		
13C-PCB-105	3.04e+07	1.61	y	39:53	1.37	9500					95.0	3.99e+06 2.48e+06

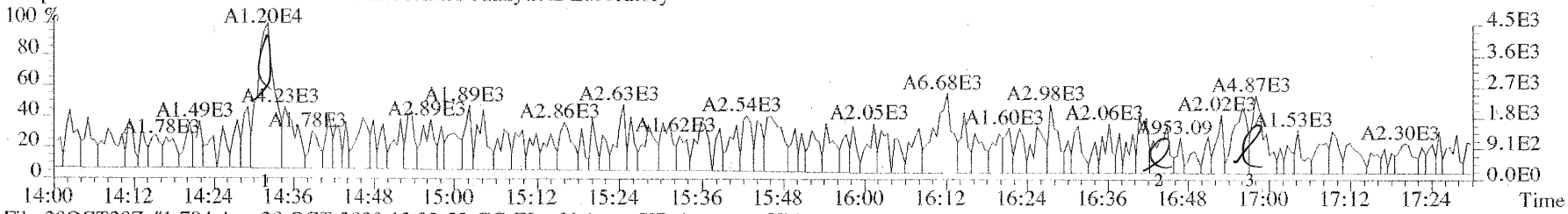
PCB-127	8.60e+04	2.23	n	40:06	1.05	26.6		1060	980	7.31			
PCB-126	*	*	n	NotFnd	1.07	*		1060	980	7.46			
13C-PCB-126	2.94e+07	1.58	y	42:00	1.35	9370					93.7	3.91e+06	2.46e+06
PCB-151	2.78e+05	1.29	y	37:45	0.85	144		-	-	*			
PCB-135	1.93e+05	1.21	y	37:56	0.80	106		-	-	*			
PCB-144	4.82e+04	1.42	y	38:05	1.06	20.1		-	-	*			
PCB-147	4.94e+04	1.34	y	38:11	0.96	22.8		-	-	*			
PCB-139	1.00e+06	1.27	y	38:24	0.99	448		-	-	*	Co-elute PCB 149		
PCB-149	1.00e+06	1.27	y	38:24	0.99	448		-	-	*	Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	0.95	*		770	620	6.84			
PCB-143	7.86e+04	1.15	y	39:02	0.81	42.8		-	-	*	Co-elute PCB 134		
PCB-134	7.86e+04	1.15	y	39:02	0.81	42.8		-	-	*	Co-elute PCB 143		
PCB-131	4.95e+04	1.41	y	39:17	0.84	26.2		-	-	*	Co-elute PCB 133		
PCB-133	4.95e+04	1.41	y	39:17	0.84	26.2		-	-	*	Co-elute PCB 131		
PCB-142	1.56e+06	1.23	y	39:27	0.83	837		-	-	*			
PCB-165	1.94e+05	1.06	y	39:38	1.04	82.7		-	-	*	Co-elute PCB 146		
PCB-146	1.94e+05	1.06	y	39:38	1.04	82.7		-	-	*	Co-elute PCB 165		
PCB-161	3.90e+05	1.30	y	39:55	1.00	173		-	-	*	Co-elute PCB 132		
PCB-132	3.90e+05	1.30	y	39:55	1.00	173		-	-	*	Co-elute PCB 161		
PCB-153	1.14e+06	1.27	y	40:01	1.17	431		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		770	620	5.53			
PCB-141	1.64e+05	1.38	y	40:44	0.93	78.1		-	-	*			
PCB-137	6.20e+04	1.28	y	41:06	0.88	31.4		-	-	*			
PCB-130	6.96e+04	1.23	y	41:12	0.87	35.4		-	-	*			
PCB-138	1.13e+06	1.26	y	41:32	1.14	439		-	-	*	Co-elute PCB 163/164		
PCB-163	1.13e+06	1.26	y	41:32	1.14	439		-	-	*	Co-elute PCB 138/164		
PCB-164	1.13e+06	1.26	y	41:32	1.14	439		-	-	*	Co-elute PCB 138/163		
PCB-158	1.48e+05	1.33	y	41:45	1.25	52.5		-	-	*	Co-elute PCB 160		
PCB-160	1.48e+05	1.33	y	41:45	1.25	52.5		-	-	*	Co-elute PCB 158		
PCB-129	5.25e+04	1.26	y	42:02	0.81	28.8		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		770	620	5.36			
PCB-159	2.59e+04	1.22	y	42:46	1.33	8.63	J	-	-	*			
PCB-128	1.77e+05	1.08	y	43:01	1.06	74.0		-	-	*	Co-elute PCB 162		
PCB-162	1.77e+05	1.08	y	43:01	1.06	74.0		-	-	*	Co-elute PCB 128		
PCB-167	5.74e+04	1.15	y	43:24	1.23	20.1		-	-	*			
13C-PCB-167	2.32e+07	1.31	y	43:22	1.14	8700					87.0	3.08e+06	2.36e+06
PCB-156	9.70e+04	1.27	y	44:36	1.29	33.1		-	-	*			
13C-PCB-156	2.27e+07	1.30	y	44:36	1.12	8660					86.6	2.71e+06	2.04e+06
PCB-157	3.04e+04	1.28	y	44:51	1.24	10.8	J	-	-	*			
13C-PCB-157	2.27e+07	1.32	y	44:51	1.14	8480					84.8	2.88e+06	2.18e+06
PCB-169	*	*	n	NotFnd	1.20	*		770	620	4.55			
13C-PCB-169	2.19e+07	1.31	y	46:43	1.17	8020					80.2	3.62e+06	2.72e+06

FAL ID: 13371-003-0001-SA Filename: 20OCT20Z Sam:6 Acquired: 20-OCT-20 13:32:53 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR+AC-CB-S010 ConCal: ST10202021 EndCal: ST10202022
Results: 13371 GC Column: DB1MS Amount: 1.000

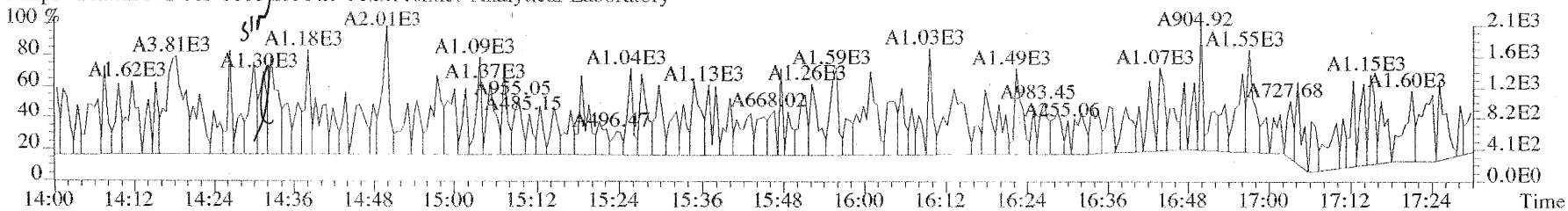
PCB-188	*	*	n	NotFnd	1.21	*		560	536	6.81			
13C-PCB-188	1.54e+07	1.06	y	39:38	0.86	7650					76.5	1.69e+06	1.64e+06
PCB-184	1.06e+07	1.07	y	40:06	1.31	5550		-	-	*			
PCB-179	8.30e+04	0.93	y	40:51	1.28	44.7		-	-	*			
PCB-176	*	*	n	NotFnd	1.26	*		560	536	5.75			
PCB-186	*	*	n	NotFnd	1.22	*		560	536	5.94			
PCB-178	2.97e+04	1.03	y	42:20	0.90	22.7		-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*		560	536	7.80			
PCB-187	1.60e+05	1.08	y	42:48	1.02	108		-	-	*		Co-elute PCB 182	
PCB-182	1.60e+05	1.08	y	42:48	1.02	108		-	-	*		Co-elute PCB 187	
PCB-183	9.61e+04	1.14	y	43:06	0.99	66.5		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		560	536	7.70			
PCB-174	9.60e+04	0.96	y	44:03	0.94	70.5		-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*		560	536	7.98			
PCB-177	6.59e+04	1.09	y	44:20	0.84	53.9		-	-	*			
PCB-171	3.63e+04	1.10	y	44:35	0.92	27.2		-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		560	536	8.78			
PCB-172	1.59e+05	1.11	y	45:22	0.87	126		-	-	*			
PCB-192	7.06e+06	1.10	y	45:36	1.14	4260		-	-	*			
PCB-180	1.68e+05	0.95	y	45:45	0.89	129		-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*		560	536	5.89			
PCB-191	*	*	n	NotFnd	1.27	*		560	536	5.73			
PCB-170	6.38e+04	1.10	y	47:03	0.89	49.1		-	-	*			
PCB-190	*	*	n	NotFnd	1.18	*		560	536	6.13			
PCB-189	*	*	n	NotFnd	1.21	*		560	536	5.07			
13C-PCB-189	1.37e+07	1.09	y	48:23	0.88	6670					66.7	2.32e+06	2.14e+06
PCB-202	*	*	n	NotFnd	1.16	*		524	580	9.59			
PCB-201	*	*	n	NotFnd	1.24	*		524	580	8.97			
PCB-204	1.38e+07	0.93	y	45:22	1.26	10600		-	-	*			
PCB-197	8.09e+04	0.77	y	45:39	1.29	60.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*		524	580	8.77			
PCB-198	*	*	n	NotFnd	0.91	*		524	580	12.3			
PCB-199	*	*	n	NotFnd	0.95	*		524	580	11.7			
PCB-203	2.98e+04	0.77	y	47:54	1.01	28.5		-	-	*		Co-elute PCB 196	
PCB-196	2.98e+04	0.77	y	47:54	1.01	28.5		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.03e+07	0.92	y	44:46	0.68	6530					65.3	1.19e+06	1.29e+06
13C-PCB-178	1.28e+07	1.09	y	42:18	0.70	7770					77.7	1.45e+06	1.32e+06
13C-PCB-138	2.33e+07	1.29	y	41:30	-	59.0							
PCB-195	*	*	n	NotFnd	0.85	*		1230	1260	9.61			
PCB-194	3.62e+04	0.91	y	49:49	0.94	16.3	J	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*		1230	1260	7.30			
13C-PCB-205	2.36e+07	0.91	y	50:03	1.22	8570					85.7	3.66e+06	3.94e+06
PCB-208	*	*	n	NotFnd	1.11	*		892	940	6.99			
13C-PCB-208	1.76e+07	0.82	y	49:07	0.98	7940					79.4	2.69e+06	3.23e+06
PCB-207	8.46e+04	1.30	y	49:25	1.26	42.2		-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*		892	940	9.01			
13C-PCB-206	1.42e+07	0.82	y	51:15	0.75	8370					83.7	2.01e+06	2.37e+06
PCB-209	9.98e+04	1.13	y	52:26	1.22	60.0		-	-	*			
13C-PCB-209	1.36e+07	1.23	y	52:26	0.80	7570					75.7	2.33e+06	1.83e+06
13C-PCB-194	2.25e+07	0.91	y	49:48	-	54.1							

Analyst: _____ Date: 10/22/20

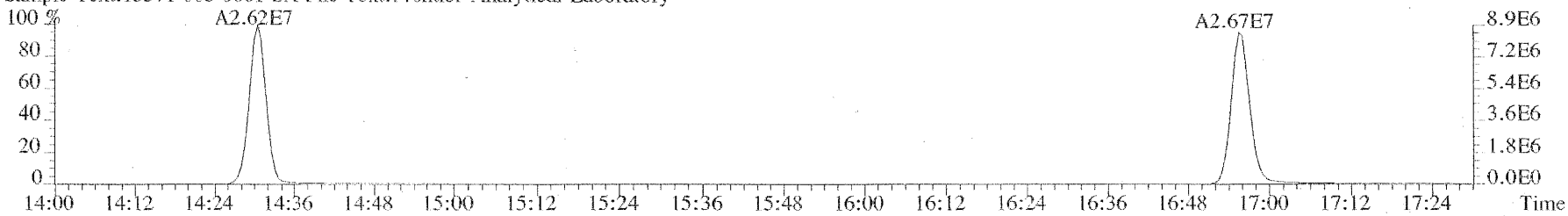
File:20OCT20Z #1-784 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



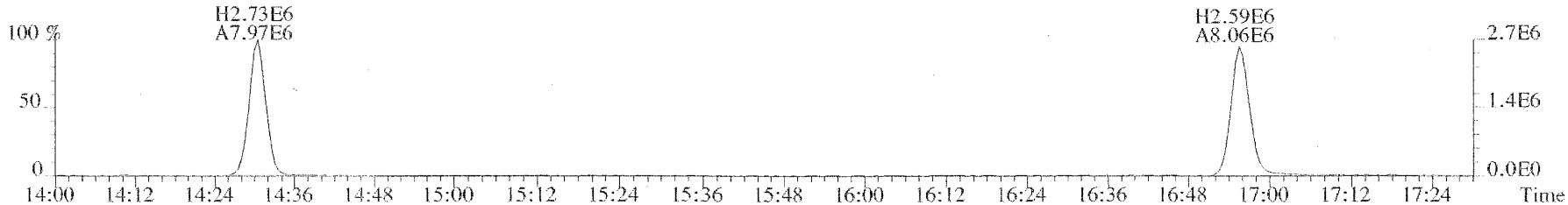
File:20OCT20Z #1-784 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



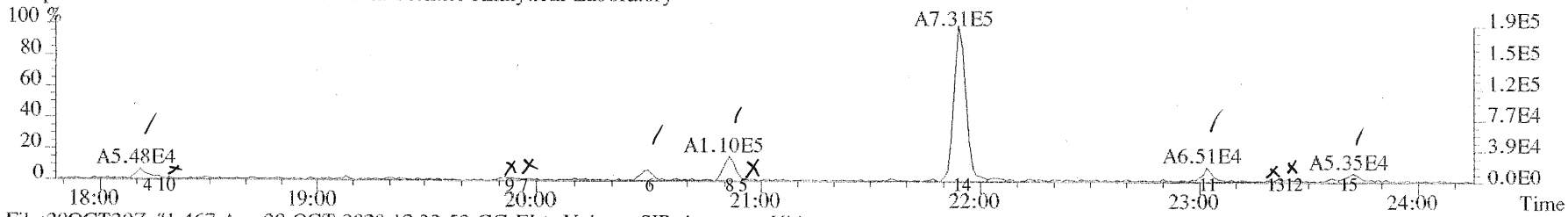
File:20OCT20Z #1-784 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



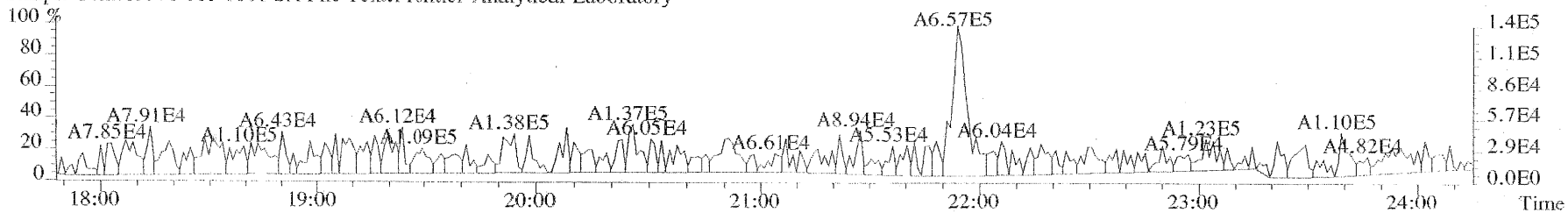
File:20OCT20Z #1-784 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



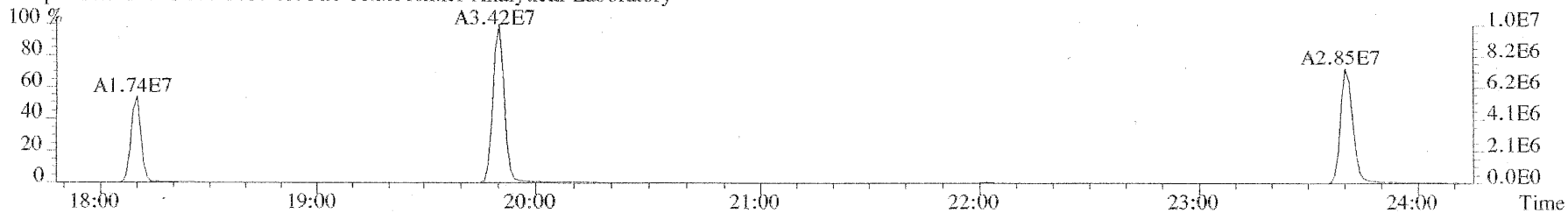
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



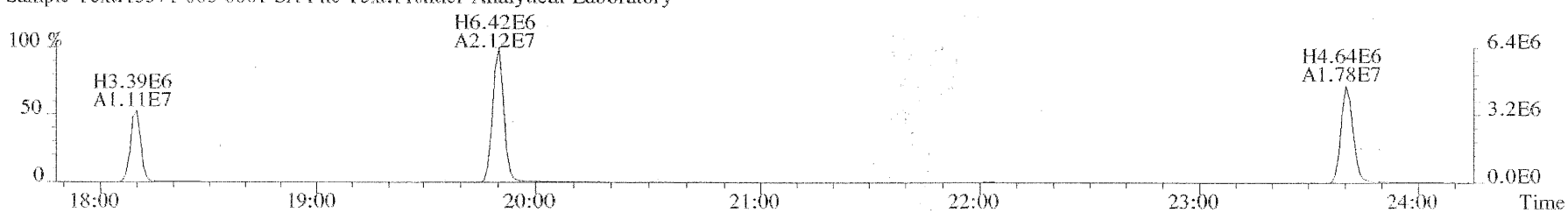
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



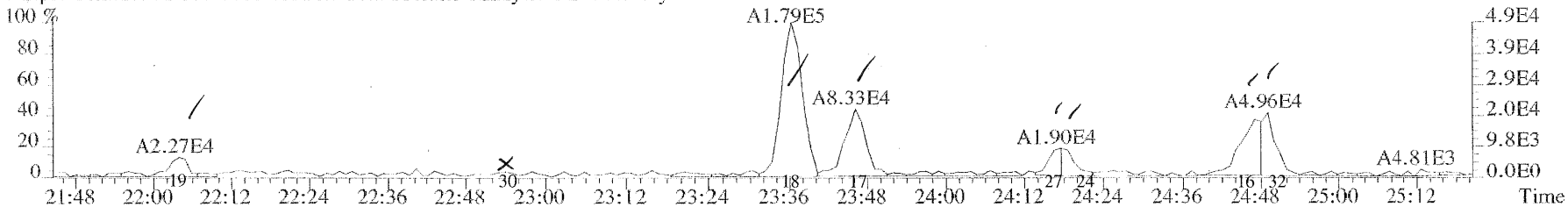
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



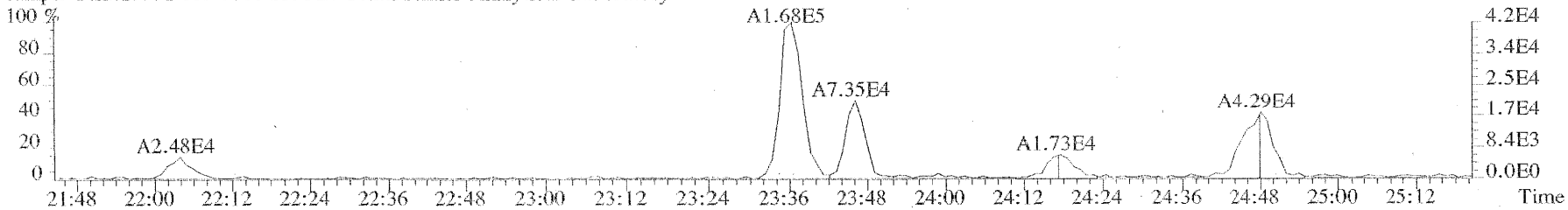
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



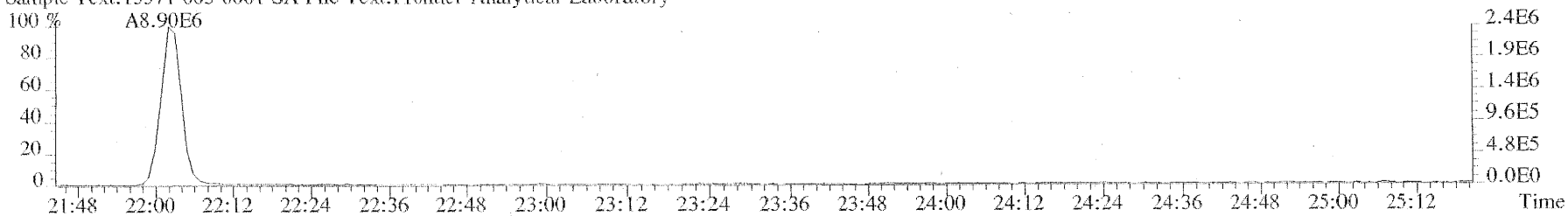
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



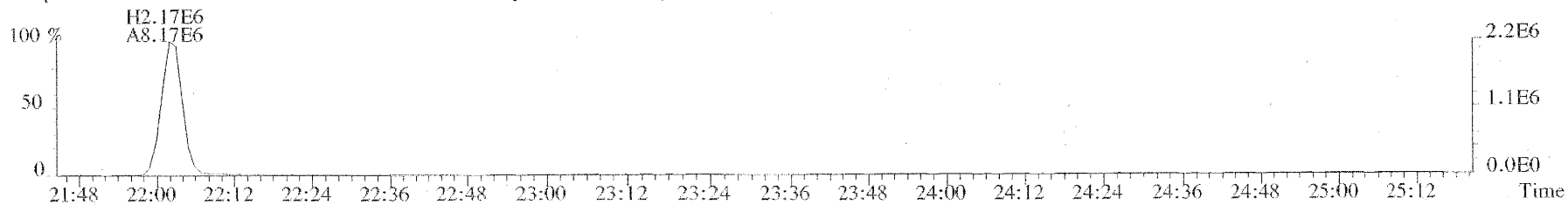
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



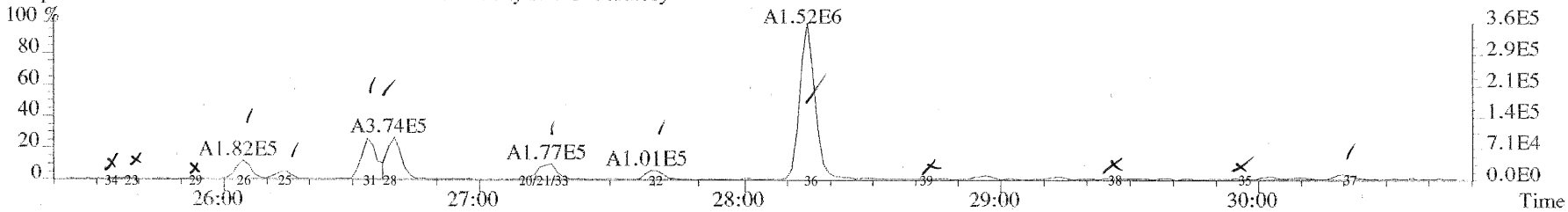
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



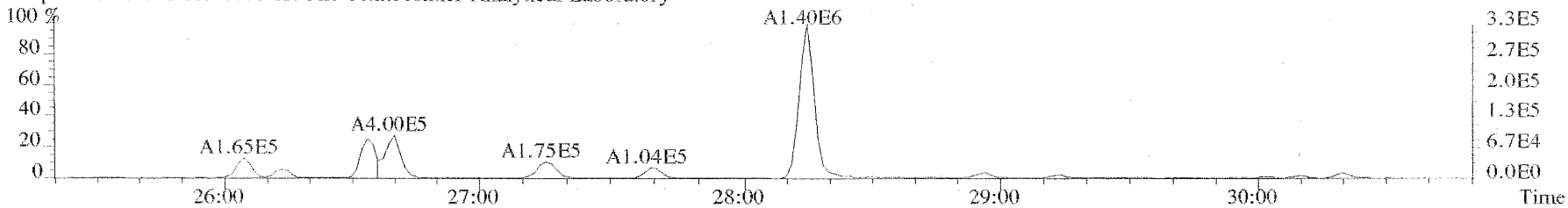
File:20OCT20Z #1-467 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



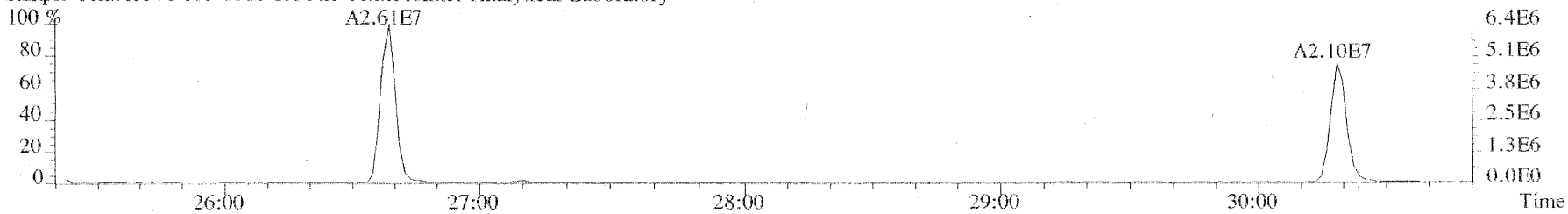
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



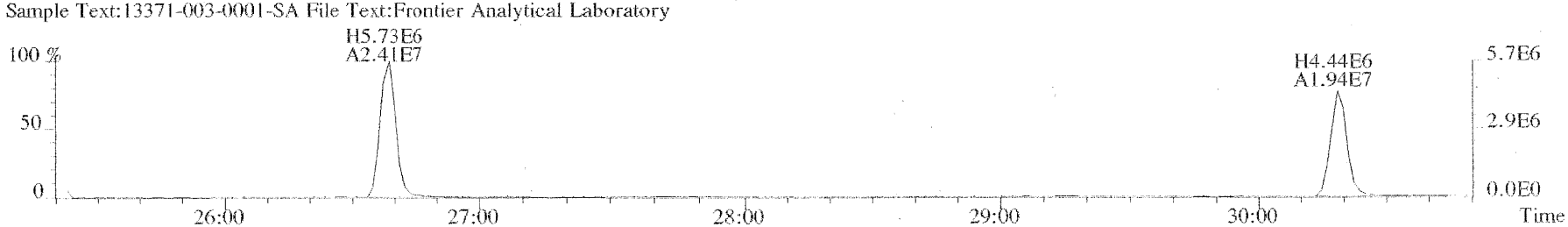
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



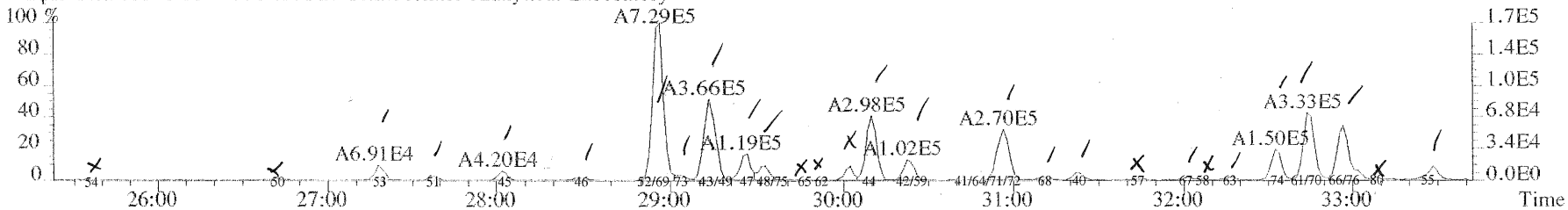
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



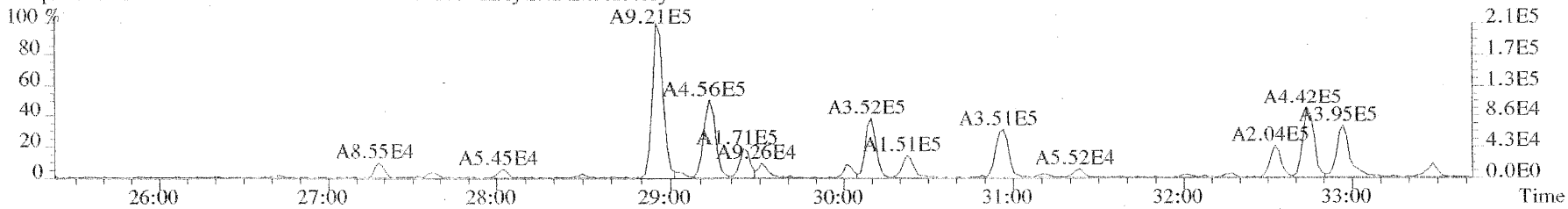
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



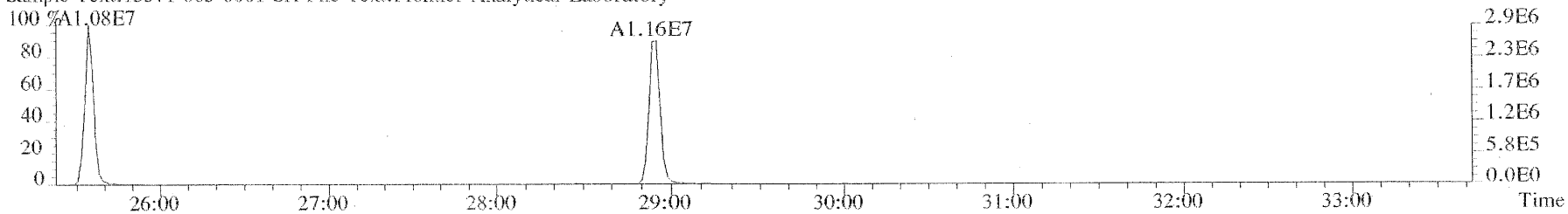
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



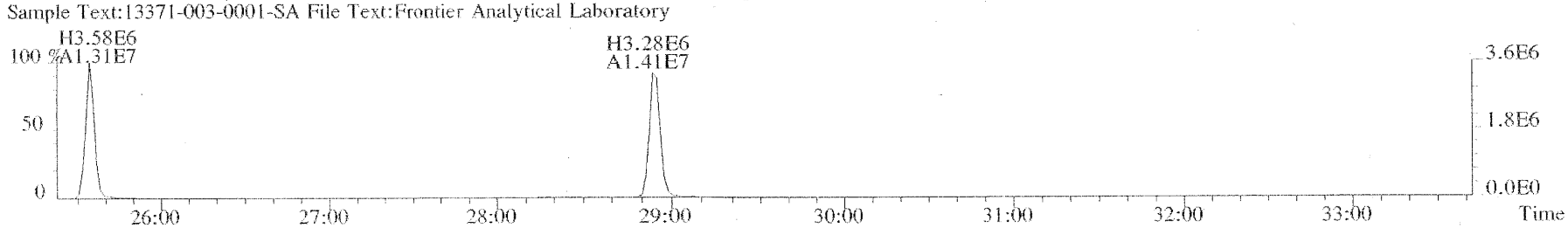
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



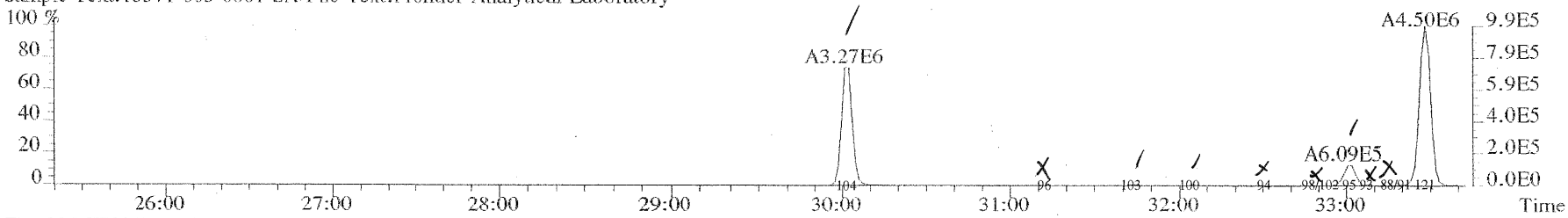
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



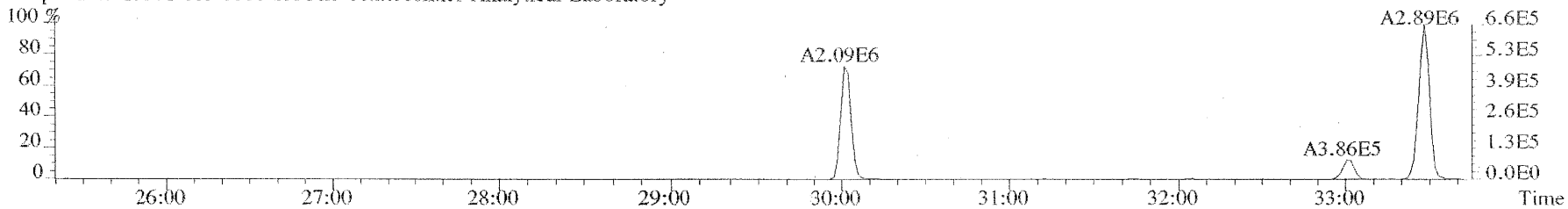
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



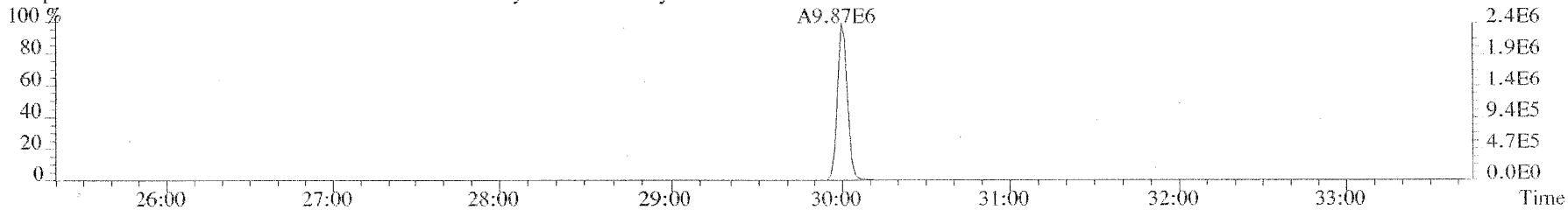
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



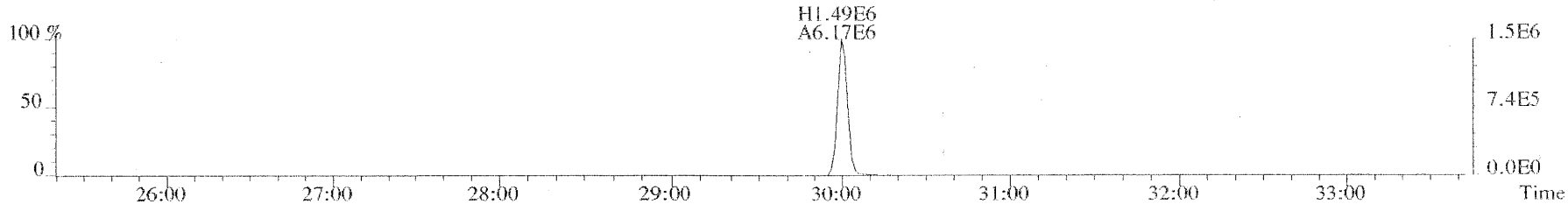
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



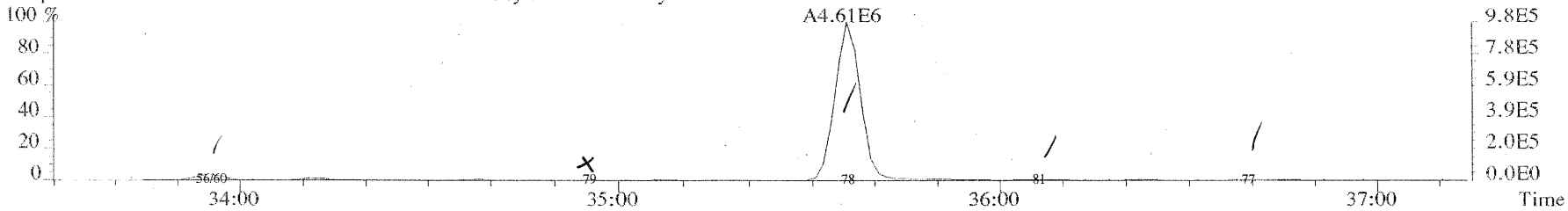
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



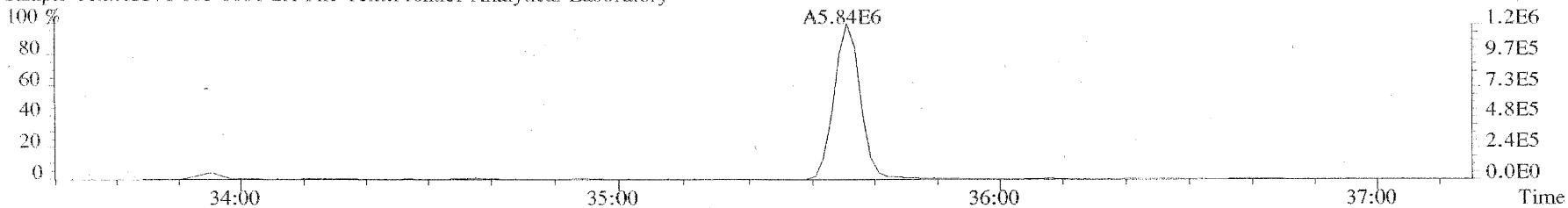
File:20OCT20Z #1-396 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



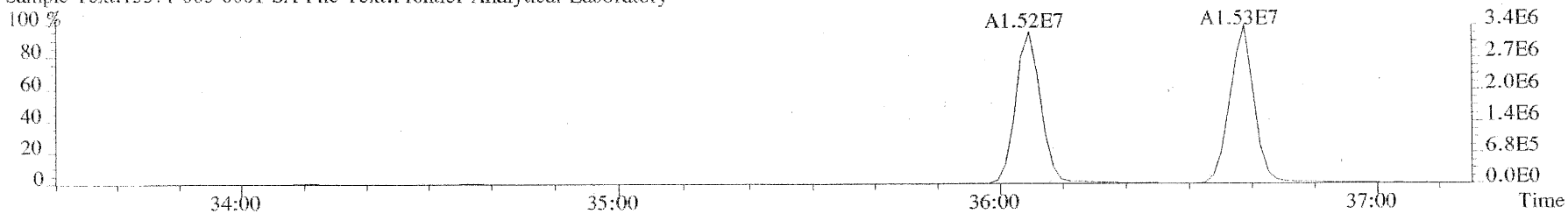
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



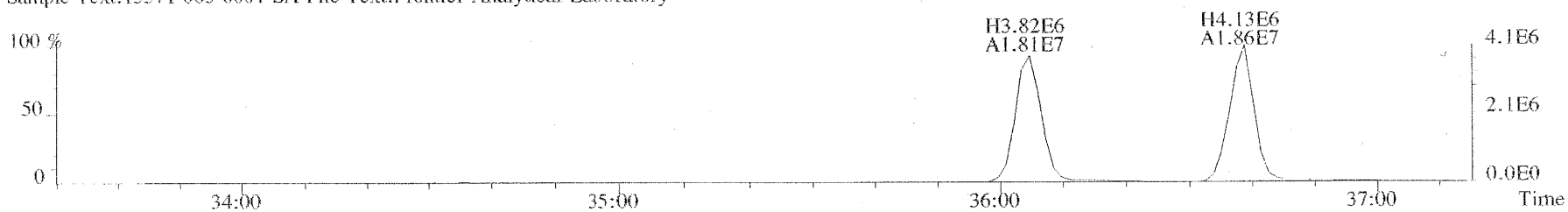
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



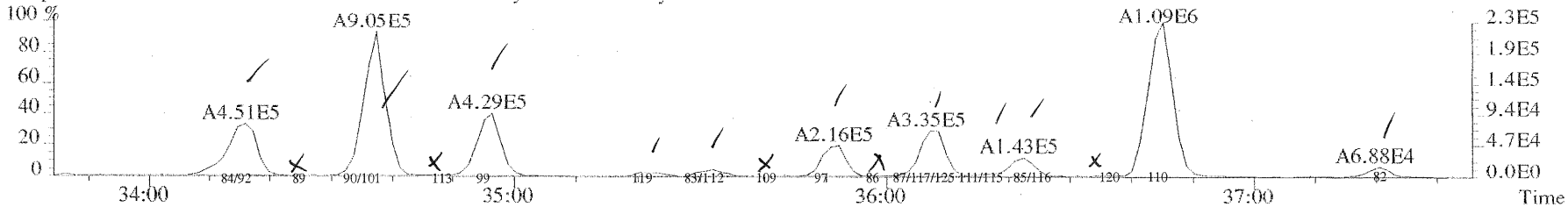
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



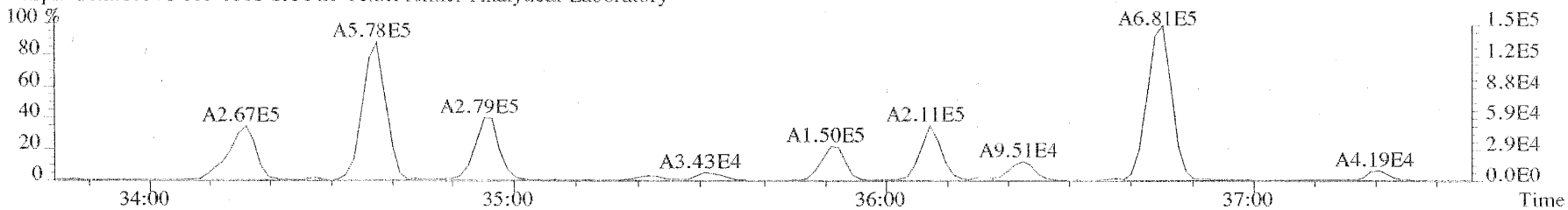
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



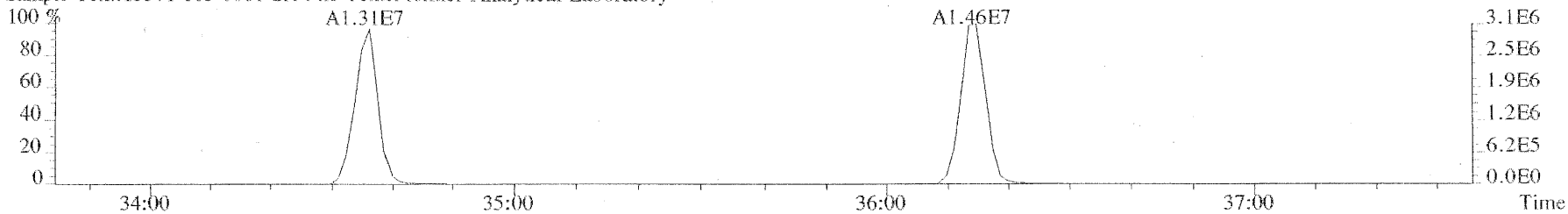
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



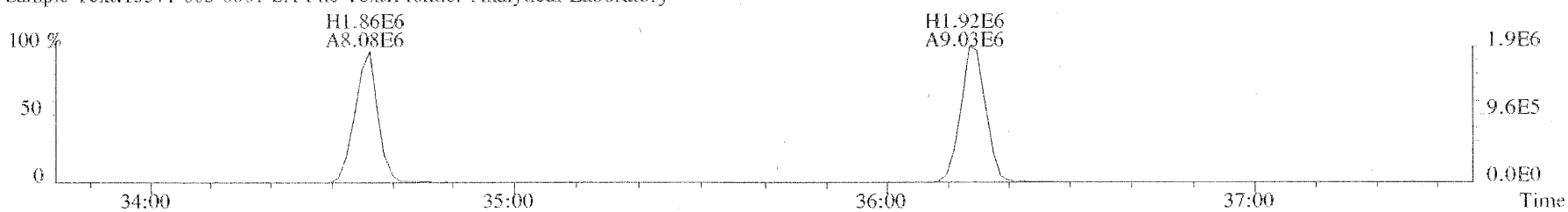
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



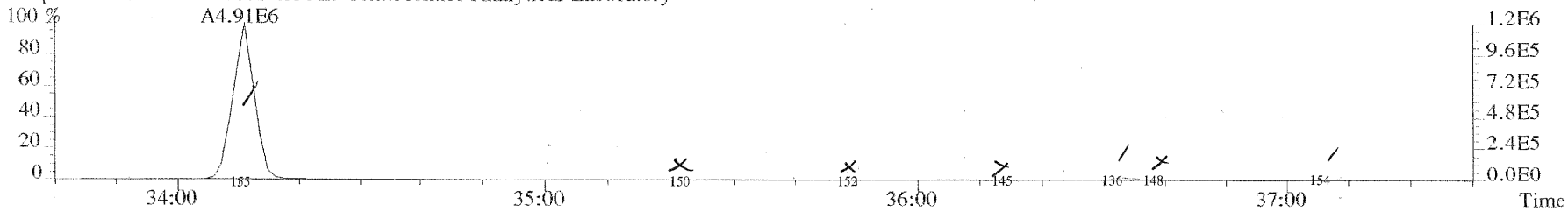
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



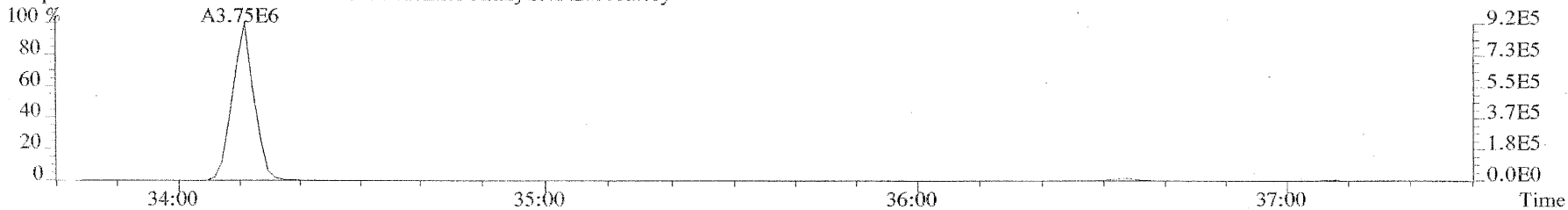
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



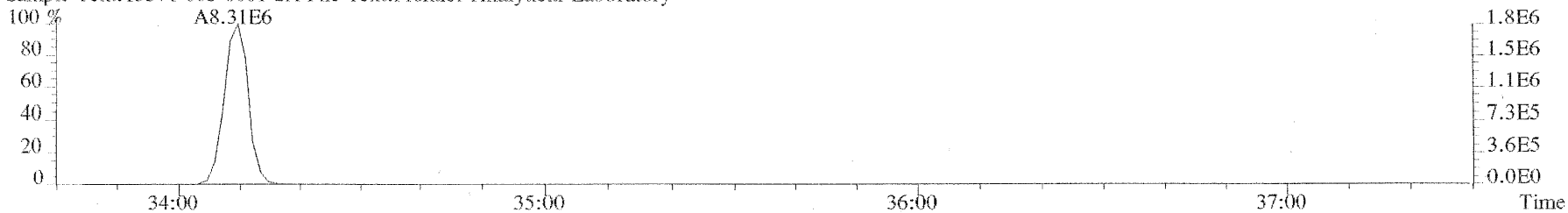
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



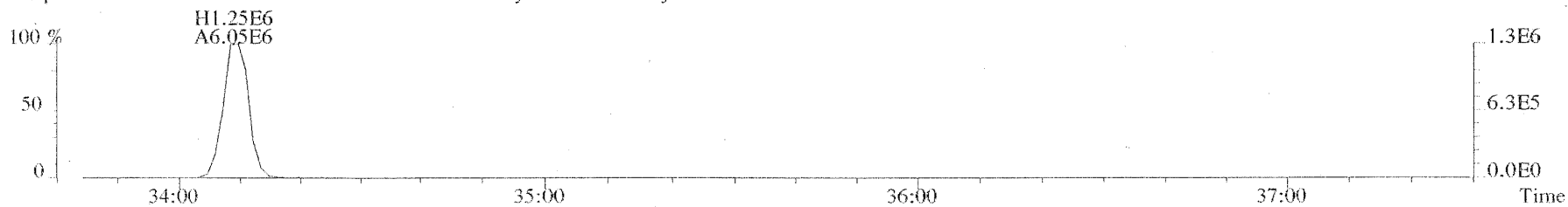
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



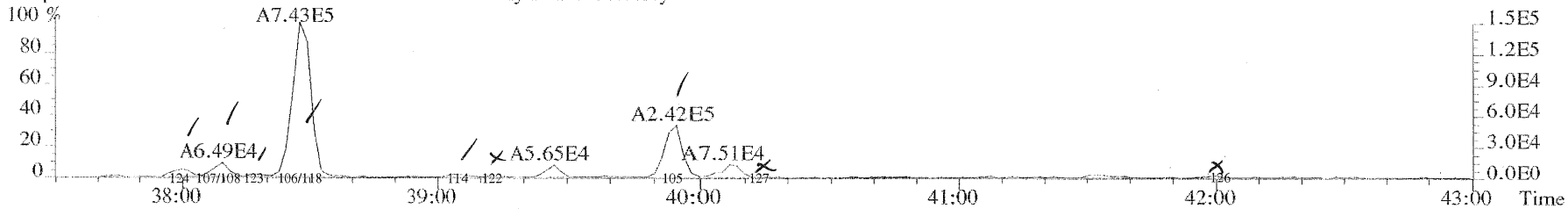
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



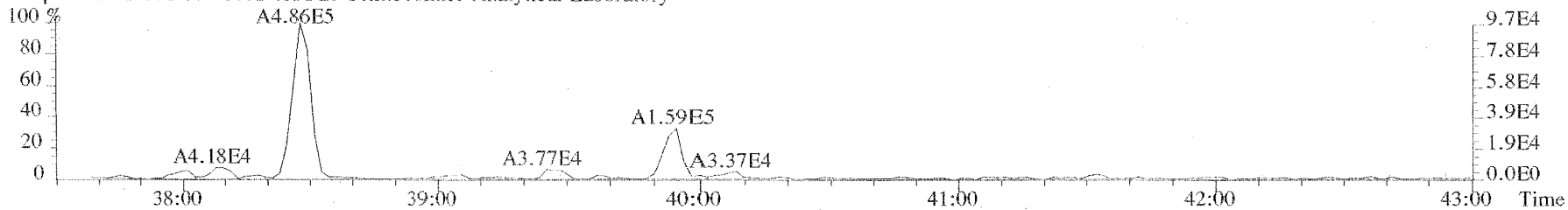
File:20OCT20Z #1-184 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



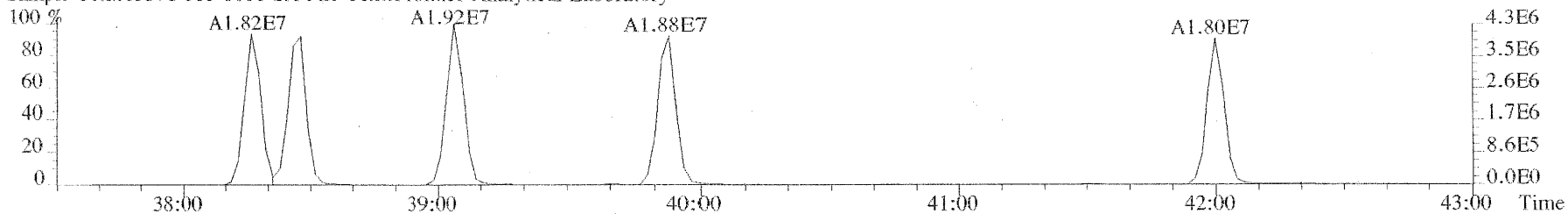
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



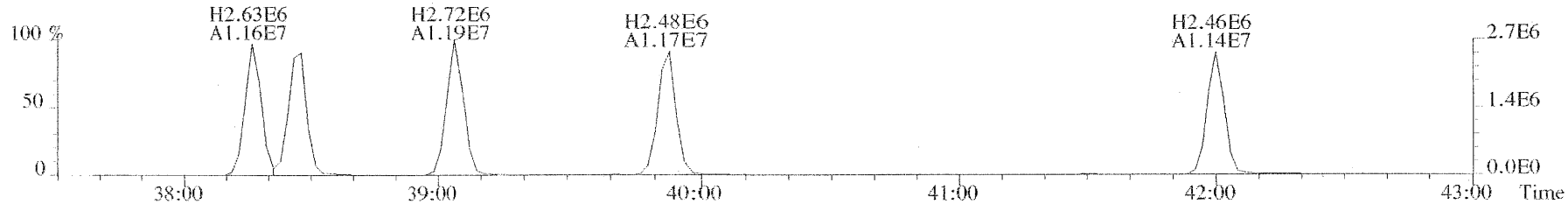
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



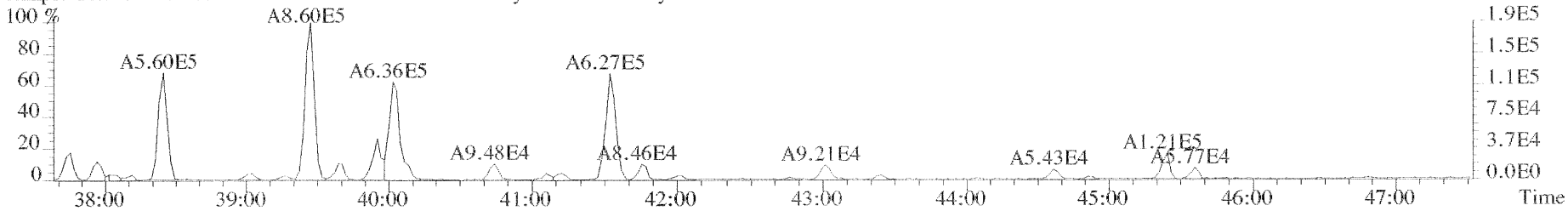
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



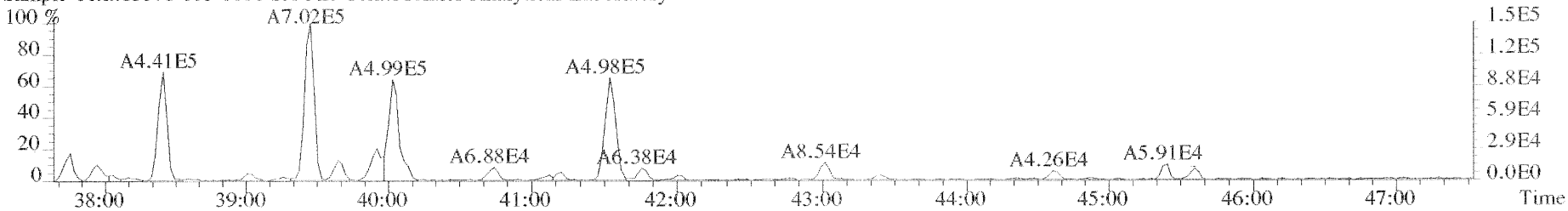
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



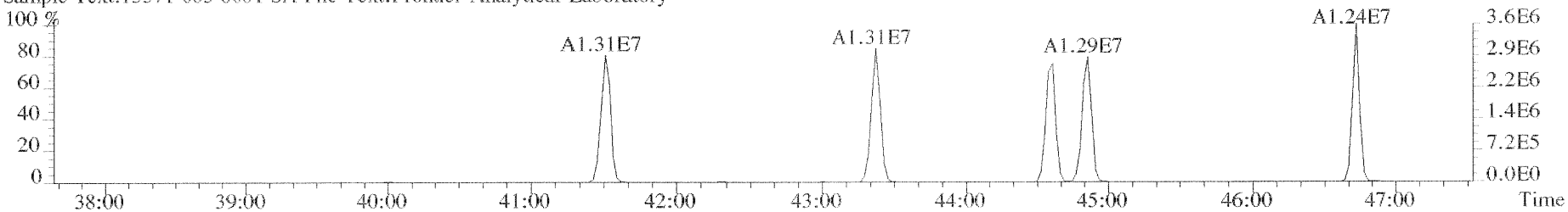
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



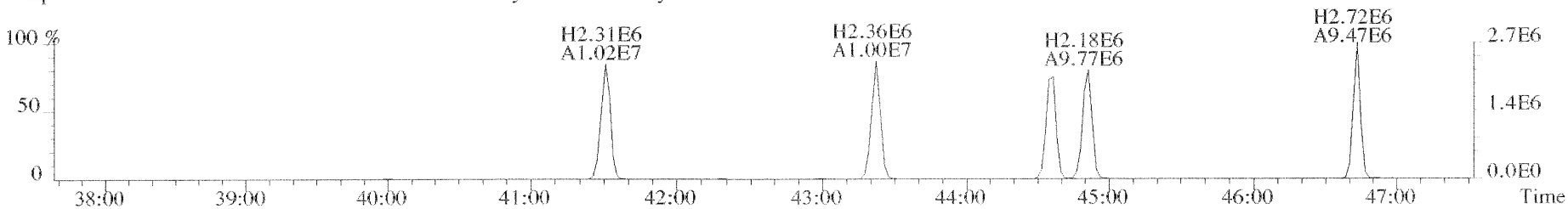
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



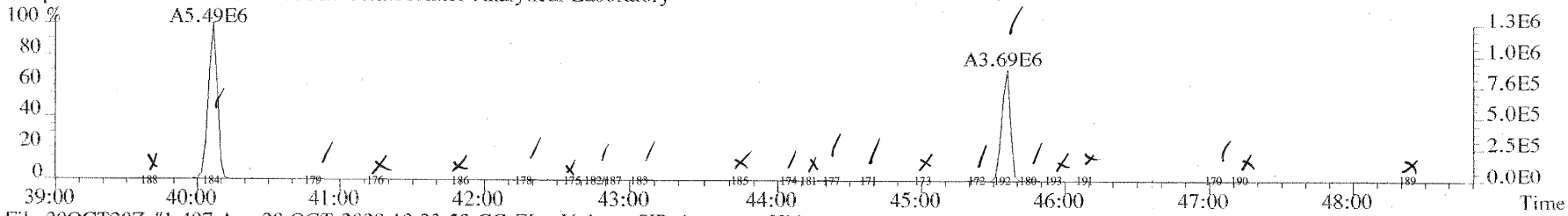
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



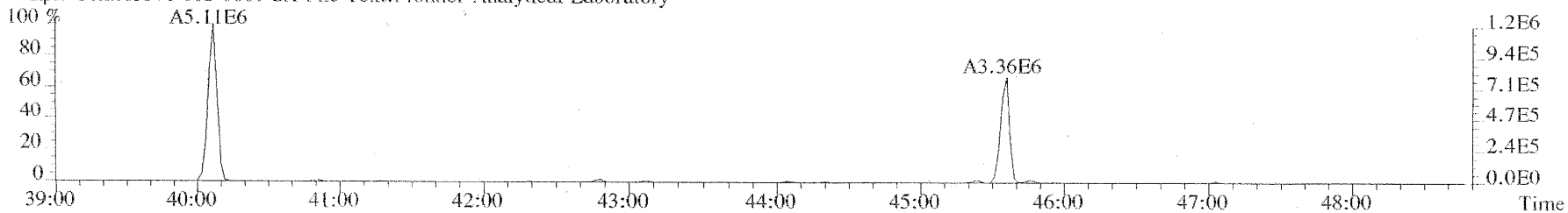
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



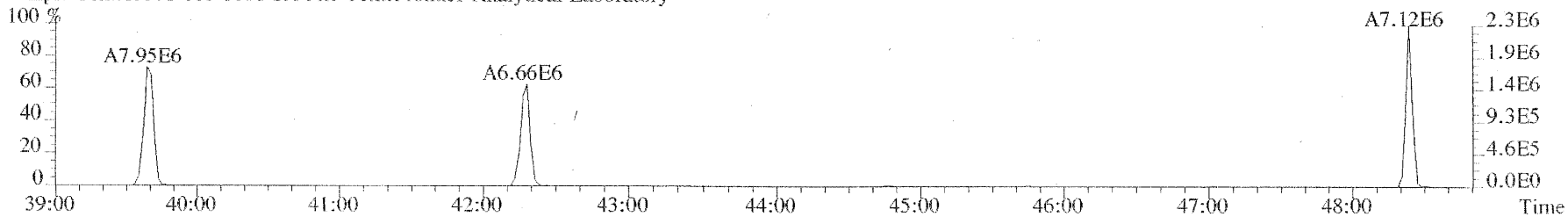
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



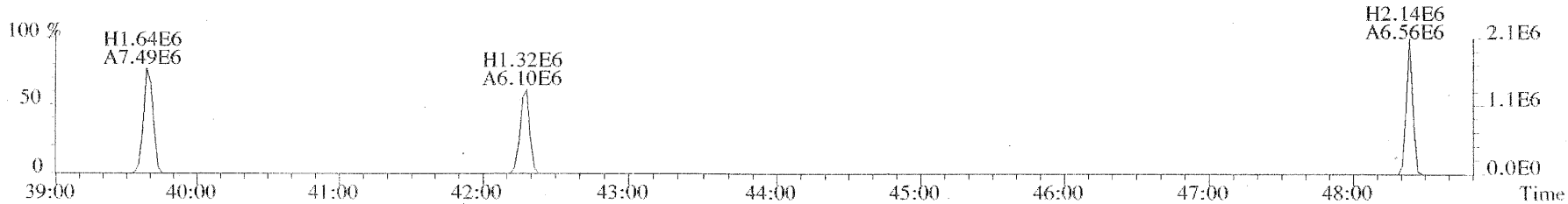
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



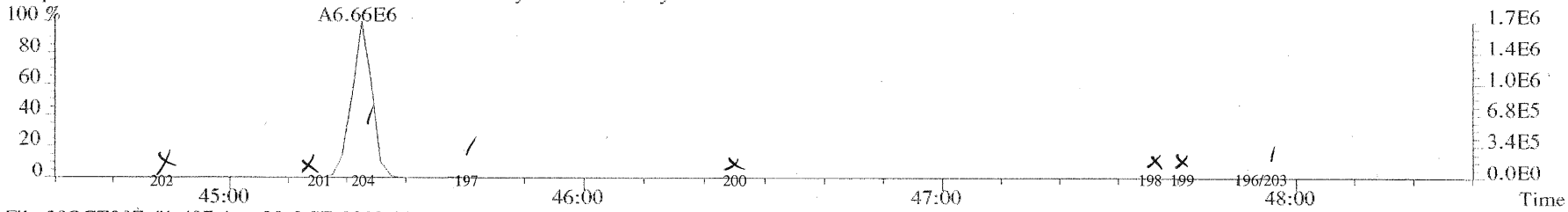
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



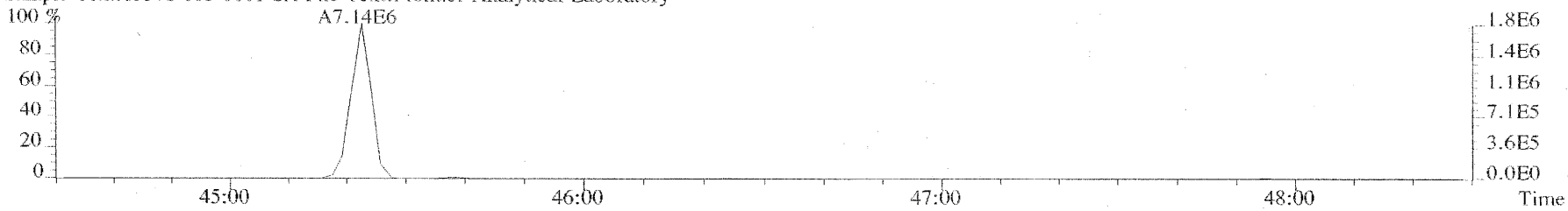
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



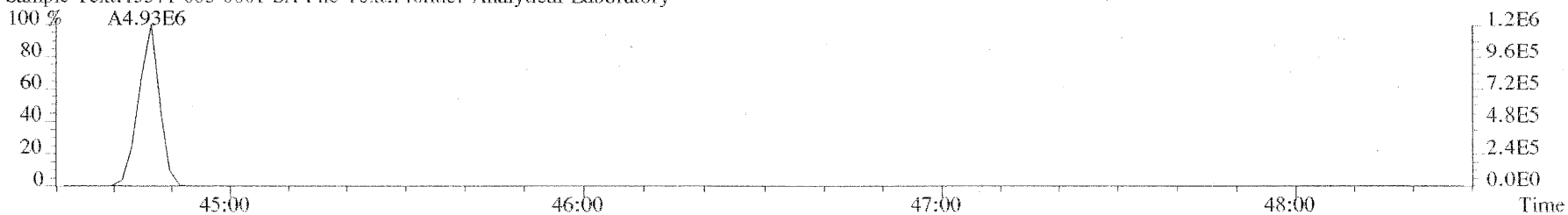
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



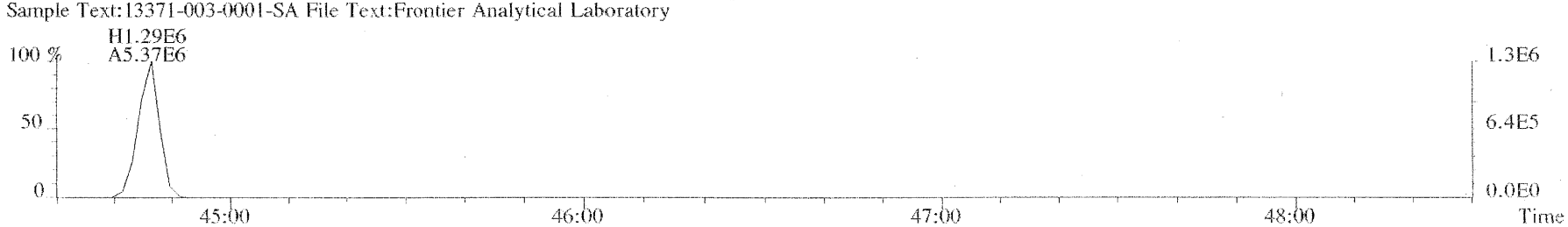
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



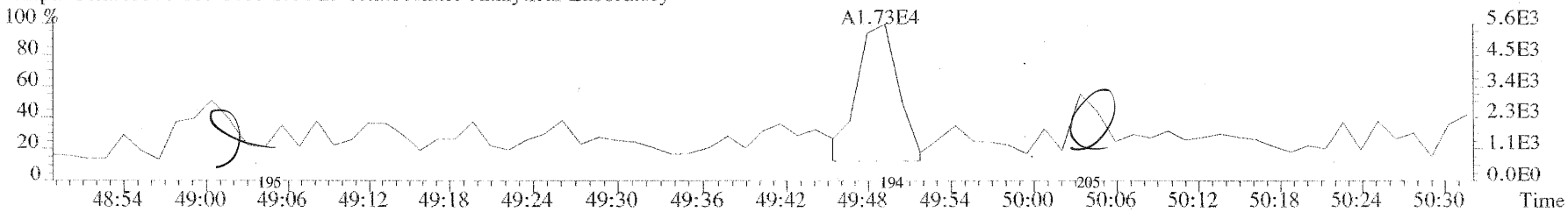
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



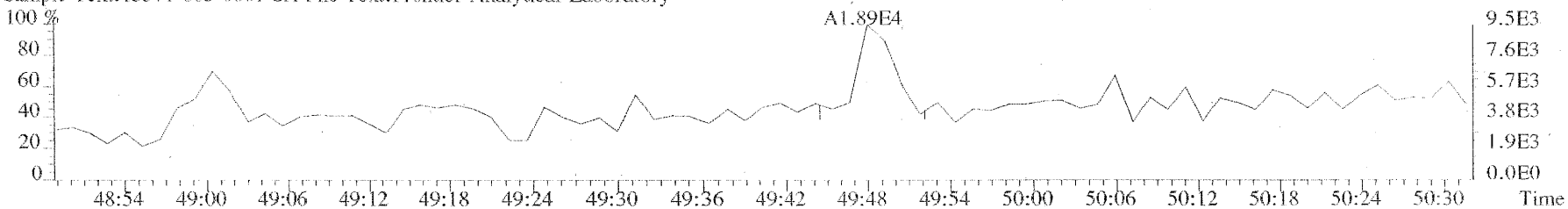
File:20OCT20Z #1-407 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



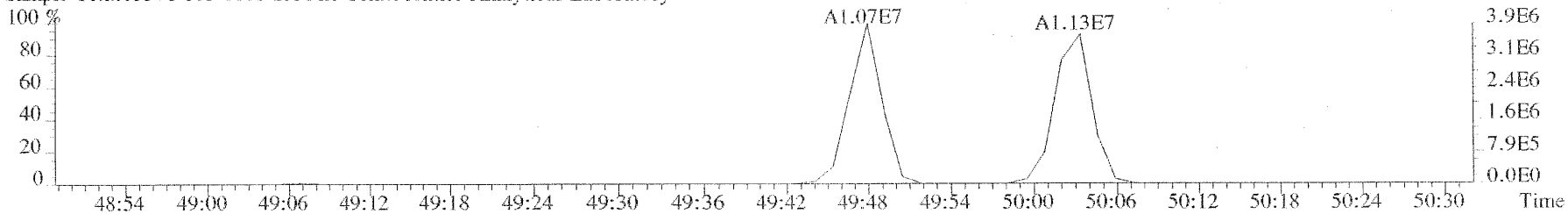
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



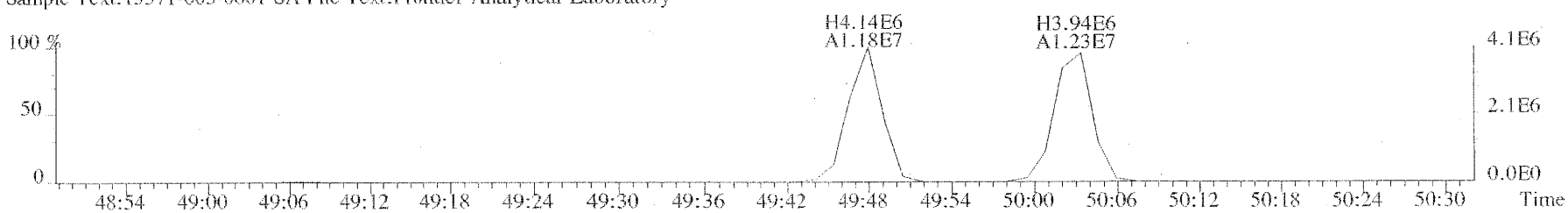
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



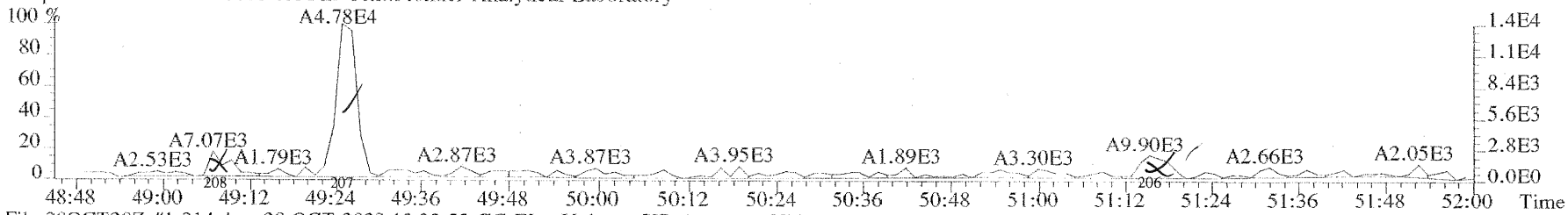
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



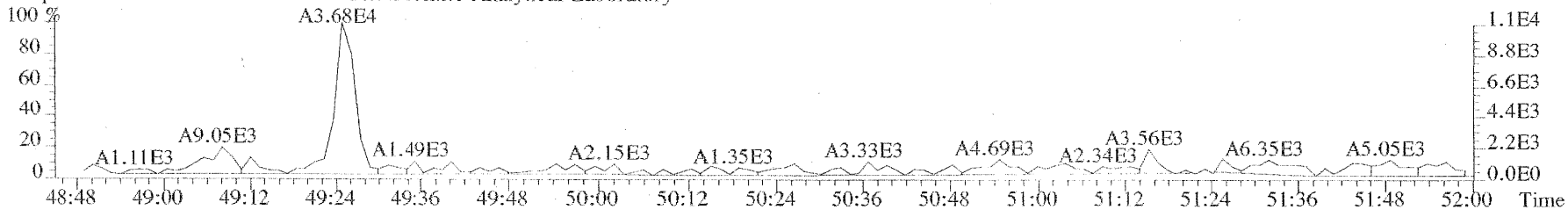
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



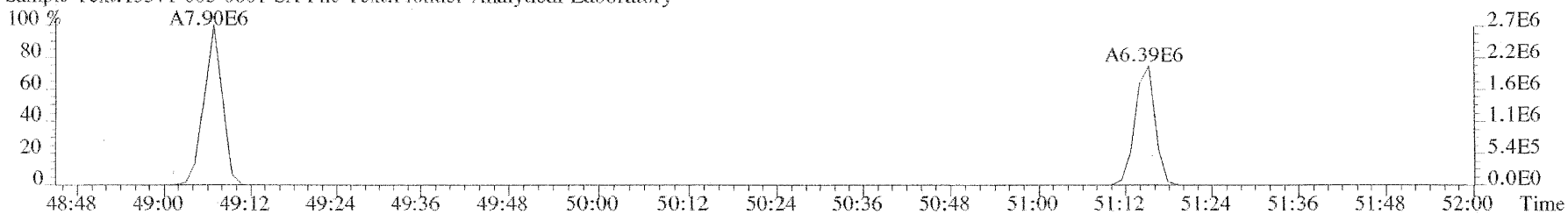
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



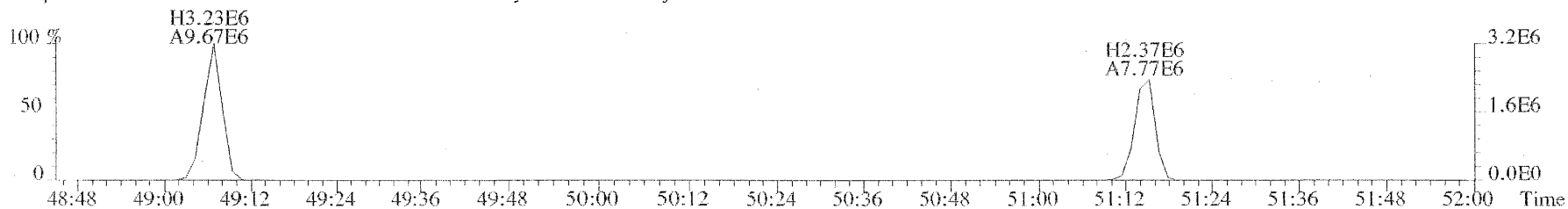
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



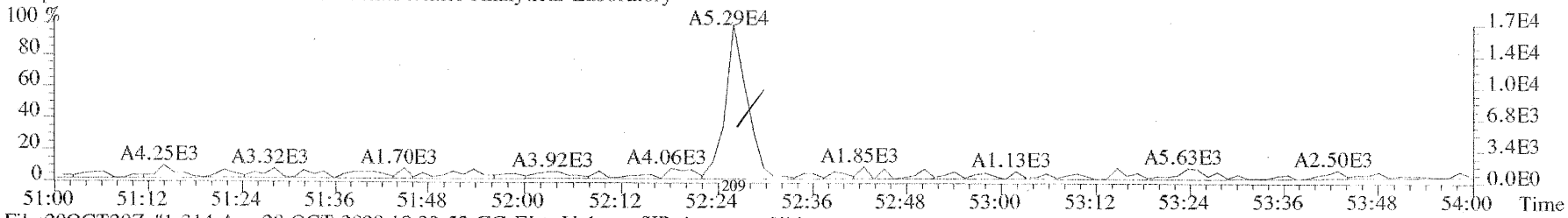
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



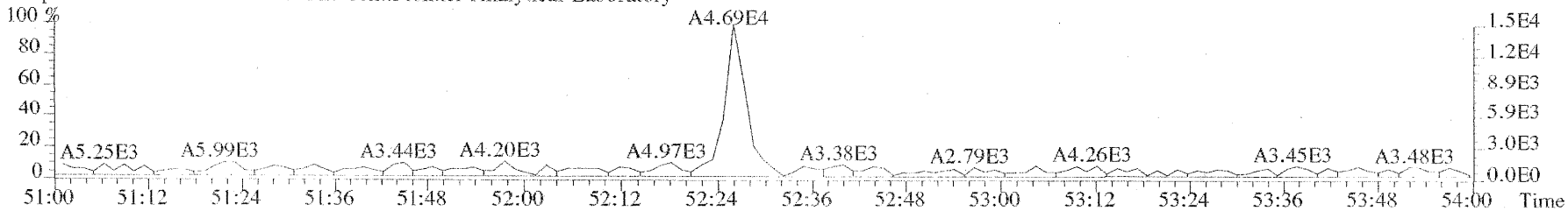
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



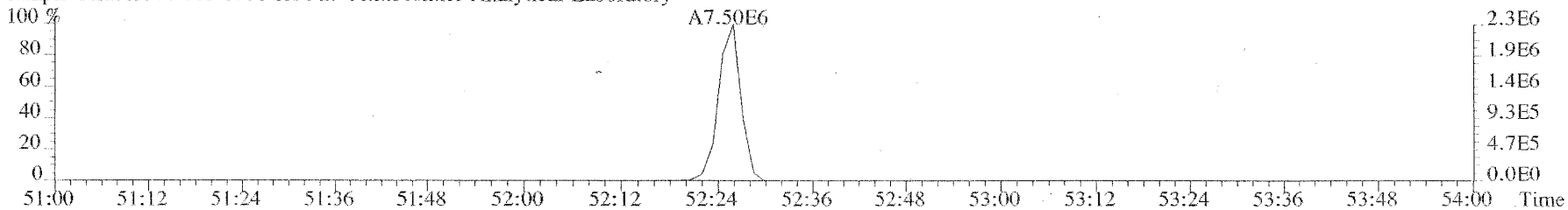
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



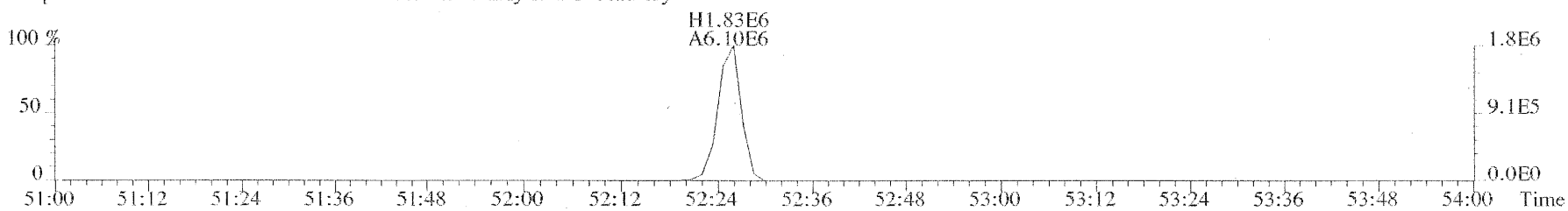
File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 13:32:53 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-004-0001-SA Filename: 20OCT20Z Sam:7 Acquired: 20-OCT-20 14:31:14 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR+AC-CC-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1330	1090	3.04			
13C-PCB-1	4.30e+07	3.28 y	14:30	0.87	7850					78.5	1.17e+07	3.48e+06
PCB-2	*	* n	NotFnd	1.31	*		1330	1090	3.30			
PCB-3	*	* n	NotFnd	1.32	*		1330	1090	3.54			
13C-PCB-3	4.10e+07	3.25 y	16:55	0.82	7870					78.7	1.02e+07	2.98e+06
PCB-4	6.20e+04	1.40 y	18:11	1.06	16.9	J	-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		789	3640	6.74			
13C-PCB-4	3.48e+07	1.57 y	18:09	0.65	8440					84.4	6.82e+06	4.30e+06
PCB-9	*	* n	NotFnd	1.28	*		789	3640	6.83			
PCB-7	*	* n	NotFnd	1.33	*		789	3640	6.60			
PCB-6	6.83e+04	1.42 y	20:27	1.42	10.6	J	-	-	*			
PCB-8	1.50e+05	1.47 y	20:51	1.27	26.0		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		789	3640	7.13			
PCB-14	1.50e+06	1.39 y	21:54	1.28	258		-	-	*			
PCB-11	9.50e+04	1.52 y	23:02	1.23	16.9	J	-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		789	3640	7.16			
PCB-12	*	* n	NotFnd	1.25	*		789	3640	7.03			
PCB-15	6.98e+04	1.50 y	23:40	1.12	11.0	J	-	-	*			
13C-PCB-15	5.65e+07	1.60 y	23:39	1.02	8800					88.0	8.37e+06	5.39e+06
PCB-19	3.68e+04	1.18 y	22:03	1.27	14.0	J	-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1950	400	5.56			
PCB-18	2.78e+05	1.15 y	23:35	1.28	105		-	-	*			
PCB-17	1.25e+05	1.13 y	23:46	1.42	42.7		-	-	*			
PCB-27	*	* n	NotFnd	1.89	*		1950	400	5.58			
PCB-24	*	* n	NotFnd	1.83	*		1950	400	5.77			
PCB-16	7.27e+04	1.19 y	24:46	1.61	21.8		-	-	*			
PCB-32	1.01e+05	1.11 y	24:48	1.67	29.2		-	-	*			
13C-PCB-19	2.07e+07	1.11 y	22:02	0.42	7820					78.2	2.91e+06	2.64e+06
13C-PCB-9	6.31e+07	1.61 y	19:49	-	86.4							
PCB-34	*	* n	NotFnd	1.07	*		1260	1040	5.34			
PCB-23	*	* n	NotFnd	1.13	*		1260	1040	5.07			
PCB-29	*	* n	NotFnd	1.09	*		1260	1040	5.23			
PCB-26	2.64e+05	1.17 y	26:03	1.07	49.6		-	-	*			
PCB-25	1.18e+05	1.12 y	26:13	1.06	22.3		-	-	*			
PCB-31	6.19e+05	0.98 y	26:32	1.32	94.2		-	-	*			
PCB-28	6.29e+05	1.10 y	26:39	1.32	95.7		-	-	*			
PCB-20	3.07e+05	1.12 y	27:14	1.08	56.9		-	-	*		Co-elute PCB 21/33	
PCB-21	3.07e+05	1.12 y	27:14	1.08	56.9		-	-	*		Co-elute PCB 20/33	
PCB-33	3.07e+05	1.12 y	27:14	1.08	56.9		-	-	*		Co-elute PCB 20/21	
PCB-22	1.89e+05	1.15 y	27:39	1.20	31.6		-	-	*			
PCB-36	3.69e+06	1.05 y	28:13	1.13	655		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1260	1040	5.05			
PCB-38	*	* n	NotFnd	1.08	*		1260	1040	5.27			
PCB-35	*	* n	NotFnd	1.10	*		1260	1040	5.21			
PCB-37	1.14e+05	1.15 y	30:18	1.14	20.1		-	-	*			
13C-PCB-37	4.99e+07	1.07 y	30:17	1.64	10100					101	5.20e+06	4.89e+06

PCB-54	*	*	n	NotFnd	1.36	*		788	1230	5.08			
PCB-50	*	*	n	NotFnd	1.06	*		788	1230	6.50			
PCB-53	1.54e+05	0.73	y	27:18	1.04	49.2		-	-	*			
PCB-51	4.85e+04	0.73	y	27:37	1.10	14.7	J	-	-	*			
PCB-45	8.92e+04	0.74	y	28:01	0.92	32.3		-	-	*			
PCB-46	4.13e+04	0.71	y	28:28	0.88	15.5	J	-	-	*			
PCB-52	1.32e+06	0.75	y	28:55	1.15	381		-	-	*		Co-elute PCB 69	
PCB-69	1.32e+06	0.75	y	28:55	1.15	381		-	-	*		Co-elute PCB 52	
PCB-73	5.76e+04	0.67	y	29:03	1.32	14.5	J	-	-	*			
PCB-43	7.44e+05	0.82	y	29:11	0.99	248		-	-	*		Co-elute PCB 49	
PCB-49	7.44e+05	0.82	y	29:11	0.99	248		-	-	*		Co-elute PCB 43	
PCB-47	2.83e+05	0.74	y	29:23	1.01	92.9		-	-	*			
PCB-48	1.29e+05	0.74	y	29:30	1.31	32.5		-	-	*		Co-elute PCB 75	
PCB-75	1.29e+05	0.74	y	29:30	1.31	32.5		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.33	*		788	1230	5.20			
PCB-62	*	*	n	NotFnd	1.28	*		788	1230	5.40			
PCB-44	5.08e+05	0.80	y	30:08	0.87	195		-	-	*			
PCB-42	2.32e+05	0.79	y	30:21	1.14	67.8		-	-	*		Co-elute PCB 59	
PCB-59	2.32e+05	0.79	y	30:21	1.14	67.8		-	-	*		Co-elute PCB 42	
PCB-72	5.33e+05	0.72	y	30:55	1.28	138		-	-	*		Co-elute PCB 41/71/64	
PCB-41	5.33e+05	0.72	y	30:55	1.28	138		-	-	*		Co-elute PCB 72/71/64	
PCB-71	5.33e+05	0.72	y	30:55	1.28	138		-	-	*		Co-elute PCB 72/41/64	
PCB-64	5.33e+05	0.72	y	30:55	1.28	138		-	-	*		Co-elute PCB 72/41/71	
PCB-68	5.74e+04	0.73	y	31:09	1.49	12.8	J	-	-	*			
PCB-40	7.70e+04	0.69	y	31:23	0.81	31.5		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		788	1230	4.90			
PCB-67	3.83e+04	0.75	y	32:00	1.42	8.93	J	-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		788	1230	4.98			
PCB-63	4.71e+04	0.83	y	32:15	1.40	11.2	J	-	-	*			
PCB-74	3.02e+05	0.77	y	32:31	1.42	70.5		-	-	*			
PCB-61	6.36e+05	0.76	y	32:44	1.28	165		-	-	*		Co-elute PCB 70	
PCB-70	6.36e+05	0.76	y	32:44	1.28	165		-	-	*		Co-elute PCB 61	
PCB-76	5.95e+05	0.76	y	32:55	1.49	133		-	-	*		Co-elute PCB 66	
PCB-66	5.95e+05	0.76	y	32:55	1.49	133		-	-	*		Co-elute PCB 76	
PCB-80	4.50e+04	0.88	y	33:08	1.69	8.86	J	-	-	*			
PCB-55	1.81e+05	0.84	y	33:28	1.49	40.2		-	-	*			
13C-PCB-54	3.01e+07	0.83	y	25:33	1.13	8880					88.8	3.26e+06	4.06e+06
PCB-104	5.67e+06	1.55	y	30:01	1.18	2350		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		444	436	4.24			
PCB-103	*	*	n	NotFnd	0.95	*		444	436	5.12			
PCB-100	*	*	n	NotFnd	0.96	*		444	436	5.09			
PCB-94	*	*	n	NotFnd	0.79	*		444	436	6.11			
PCB-98	*	*	n	NotFnd	0.86	*		444	436	5.65		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.86	*		444	436	5.65		Co-elute PCB 98	
PCB-95	8.36e+05	1.60	y	33:00	0.83	488		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		444	436	5.83			
PCB-88	*	*	n	NotFnd	0.87	*		444	436	5.58		Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.87	*		444	436	5.58		Co-elute PCB 88	
PCB-121	8.81e+06	1.59	y	33:27	1.18	3640		-	-	*			
13C-PCB-104	2.05e+07	1.60	y	30:00	0.90	7590					75.9	2.81e+06	1.73e+06
13C-PCB-28	5.88e+07	1.06	y	26:37	1.90	10300					103	7.42e+06	6.92e+06
13C-PCB-52	3.01e+07	0.82	y	28:54	-	75.8							

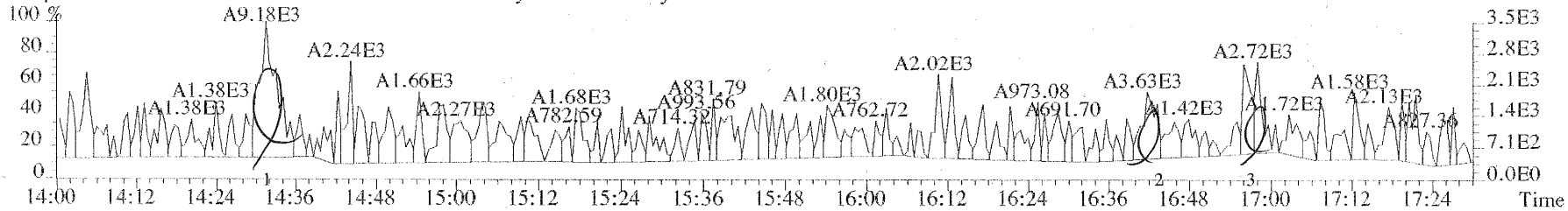
PCB-56	3.51e+05	0.74	y	33:54	1.10	77.8		-	-	*			Co-elute PCB 60
PCB-60	3.51e+05	0.74	y	33:54	1.10	77.8		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1100	1350	5.71			
PCB-78	1.34e+07	0.79	y	35:34	1.21	2700		-	-	*			
PCB-81	*	*	n	NotFnd	1.30	*		1100	1350	5.53			
13C-PCB-81	4.07e+07	0.81	y	36:03	1.63	10300					103	3.80e+06	4.75e+06
PCB-77	*	*	n	NotFnd	1.16	*		1100	1350	6.15			
13C-PCB-77	4.13e+07	0.82	y	36:37	1.71	9970					99.7	3.89e+06	4.73e+06
PCB-155	9.54e+06	1.30	y	34:10	1.22	4190		-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*		856	628	7.39			
PCB-152	*	*	n	NotFnd	1.19	*		856	628	7.50			
PCB-145	*	*	n	NotFnd	1.18	*		856	628	7.56			
PCB-136	1.54e+05	1.33	y	36:32	1.08	76.9		-	-	*			
PCB-148	1.54e+05	1.33	y	36:32	1.02	81.4		856	628	8.75			
PCB-154	4.03e+04	1.32	y	37:05	1.05	20.6		-	-	*			
13C-PCB-155	1.86e+07	1.35	y	34:08	0.99	7760					77.6	2.41e+06	1.76e+06
13C-PCB-111	2.85e+07	1.64	y	36:13	1.27	9270					92.7	3.76e+06	2.31e+06
13C-PCB-101	2.42e+07	1.65	y	34:35	-	69.1							
PCB-84	6.30e+05	1.55	y	34:15	0.70	237		-	-	*			Co-elute PCB 92
PCB-92	6.30e+05	1.55	y	34:15	0.70	237		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		1100	832	8.85			
PCB-90	1.26e+06	1.63	y	34:36	0.79	420		-	-	*			Co-elute PCB 101
PCB-101	1.26e+06	1.63	y	34:36	0.79	420		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		1100	832	6.58			
PCB-99	5.92e+05	1.58	y	34:55	0.84	186		-	-	*			
PCB-119	5.31e+04	1.70	y	35:20	1.01	13.9	J	-	-	*			
PCB-83	8.27e+04	1.60	y	35:30	0.80	27.3		-	-	*			Co-elute PCB 112
PCB-112	8.27e+04	1.60	y	35:30	0.80	27.3		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		1100	832	6.24			
PCB-97	3.14e+05	1.67	y	35:49	0.67	125		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		1100	832	8.89			
PCB-125	4.34e+05	1.70	y	36:06	0.91	127		-	-	*			Co-elute PCB 87/117
PCB-87	4.34e+05	1.70	y	36:06	0.91	127		-	-	*			Co-elute PCB 125/117
PCB-117	4.34e+05	1.70	y	36:06	0.91	127		-	-	*			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*		1100	832	6.21			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*		1100	832	6.21			Co-elute PCB 111
PCB-85	1.87e+05	1.50	y	36:21	0.87	56.7		-	-	*			Co-elute PCB 116
PCB-116	1.87e+05	1.50	y	36:21	0.87	56.7		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		1100	832	5.64			
PCB-110	1.46e+06	1.62	y	36:44	0.99	391		-	-	*			
PCB-82	9.74e+04	1.68	y	37:20	0.61	42.1		-	-	*			
PCB-124	4.81e+04	1.53	y	38:00	1.06	12.0	J	-	-	*			
PCB-108	1.03e+05	1.42	y	38:08	1.11	24.6		-	-	*			Co-elute PCB 107
PCB-107	1.03e+05	1.42	y	38:08	1.11	24.6		-	-	*			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*		1430	1090	8.50			
13C-PCB-123	3.62e+07	1.59	y	38:16	1.29	10700					107	4.57e+06	2.87e+06
PCB-118	1.00e+06	1.50	y	38:28	1.07	242		-	-	*			Co-elute PCB 106
PCB-106	1.00e+06	1.50	y	38:28	1.07	242		-	-	*			Co-elute PCB 118
13C-PCB-118	3.88e+07	1.59	y	38:26	1.39	10700					107	5.30e+06	3.29e+06
PCB-114	*	*	n	NotFnd	1.08	*		1430	1090	7.77			
13C-PCB-114	3.87e+07	1.57	y	39:02	1.37	10800					108	4.57e+06	2.91e+06
PCB-122	*	*	n	NotFnd	1.15	*		1430	1090	6.91			
PCB-105	3.67e+05	1.45	y	39:53	1.15	85.2		-	-	*			
13C-PCB-105	3.75e+07	1.57	y	39:52	1.37	10500					105	5.08e+06	3.26e+06

PCB-127	9.03e+04	2.17	n	40:06	1.05	22.7		1430	1090	7.55				
PCB-126	*	*	n	NotFnd	1.07	*		1430	1090	8.45				
13C-PCB-126	3.56e+07	1.62	y	42:00	1.35	10100					101	4.30e+06	2.64e+06	
PCB-151	2.44e+05	1.20	y	37:43	0.85	98.7		-	-	*				
PCB-135	1.71e+05	1.32	y	37:55	0.80	73.1		-	-	*				
PCB-144	4.47e+04	1.40	y	38:03	1.06	14.5	J	-	-	*				
PCB-147	4.16e+04	1.35	y	38:10	0.96	15.0	J	-	-	*				
PCB-139	8.63e+05	1.21	y	38:23	0.99	301		-	-	*		Co-elute PCB 149		
PCB-149	8.63e+05	1.21	y	38:23	0.99	301		-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	0.95	*		984	687	6.48				
PCB-143	6.47e+04	1.18	y	38:59	0.81	27.4		-	-	*		Co-elute PCB 134		
PCB-134	6.47e+04	1.18	y	38:59	0.81	27.4		-	-	*		Co-elute PCB 143		
PCB-131	4.02e+04	1.29	y	39:15	0.84	16.6	J	-	-	*		Co-elute PCB 133		
PCB-133	4.02e+04	1.29	y	39:15	0.84	16.6	J	-	-	*		Co-elute PCB 131		
PCB-142	1.82e+06	1.29	y	39:25	0.83	760		-	-	*				
PCB-165	1.95e+05	1.18	y	39:37	1.04	64.8		-	-	*		Co-elute PCB 146		
PCB-146	1.95e+05	1.18	y	39:37	1.04	64.8		-	-	*		Co-elute PCB 165		
PCB-161	3.49e+05	1.29	y	39:55	1.00	120		-	-	*		Co-elute PCB 132		
PCB-132	3.49e+05	1.29	y	39:55	1.00	120		-	-	*		Co-elute PCB 161		
PCB-153	1.07e+06	1.27	y	40:01	1.17	317		-	-	*				
PCB-168	*	*	n	NotFnd	1.18	*		984	687	5.24				
PCB-141	1.64e+05	1.21	y	40:43	0.93	60.8		-	-	*				
PCB-137	5.16e+04	1.10	y	41:06	0.88	20.3		-	-	*				
PCB-130	6.39e+04	1.31	y	41:11	0.87	25.3		-	-	*				
PCB-138	9.88e+05	1.38	y	41:32	1.14	300		-	-	*		Co-elute PCB 163/164		
PCB-163	9.88e+05	1.38	y	41:32	1.14	300		-	-	*		Co-elute PCB 138/164		
PCB-164	9.88e+05	1.38	y	41:32	1.14	300		-	-	*		Co-elute PCB 138/163		
PCB-158	1.21e+05	1.40	y	41:45	1.25	33.4		-	-	*		Co-elute PCB 160		
PCB-160	1.21e+05	1.40	y	41:45	1.25	33.4		-	-	*		Co-elute PCB 158		
PCB-129	4.62e+04	1.32	y	42:00	0.81	19.7	J	-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*		984	687	5.08				
PCB-159	*	*	n	NotFnd	1.33	*		984	687	4.66				
PCB-128	1.59e+05	1.36	y	43:01	1.06	51.5		-	-	*		Co-elute PCB 162		
PCB-162	1.59e+05	1.36	y	43:01	1.06	51.5		-	-	*		Co-elute PCB 128		
PCB-167	4.05e+04	1.21	y	43:24	1.23	11.2	J	-	-	*				
13C-PCB-167	2.94e+07	1.29	y	43:21	1.14	9890					98.9	3.54e+06	2.82e+06	
PCB-156	8.78e+04	1.36	y	44:36	1.29	23.1		-	-	*				
13C-PCB-156	2.95e+07	1.30	y	44:35	1.12	10100					101	3.91e+06	3.00e+06	
PCB-157	*	*	n	NotFnd	1.24	*		984	687	5.07				
13C-PCB-157	2.93e+07	1.29	y	44:50	1.14	9820					98.2	3.67e+06	2.94e+06	
PCB-169	*	*	n	NotFnd	1.20	*		984	687	4.81				
13C-PCB-169	2.79e+07	1.30	y	46:43	1.17	9150					91.5	4.10e+06	3.12e+06	

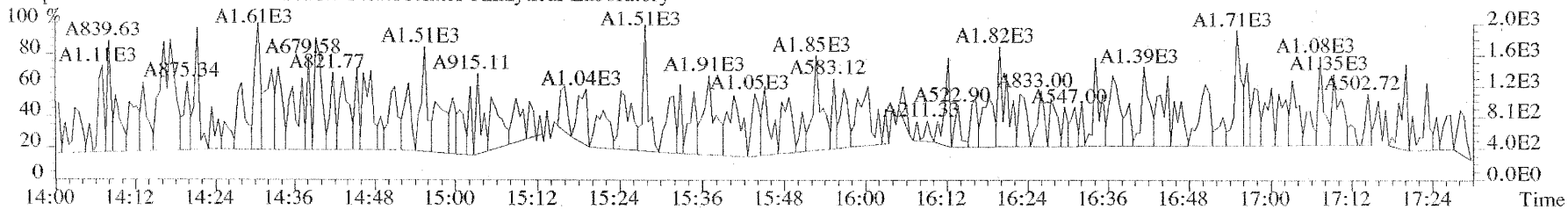
PCB-188	*	*	n	NotFnd	1.21	*		700	604	7.20			
13C-PCB-188	1.92e+07	1.11	y	39:38	0.86	8530					85.3	1.97e+06	1.77e+06
PCB-184	1.15e+07	1.07	y	40:05	1.31	4560		-	-	*			
PCB-179	7.05e+04	1.03	y	40:51	1.28	28.8		-	-	*			
PCB-176	*	*	n	NotFnd	1.26	*		700	604	5.65			
PCB-186	*	*	n	NotFnd	1.22	*		700	604	5.84			
PCB-178	3.08e+04	0.97	y	42:18	0.90	17.9	J	-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*		700	604	7.66			
PCB-187	1.62e+05	1.10	y	42:46	1.02	82.7		-	-	*		Co-elute PCB 182	
PCB-182	1.62e+05	1.10	y	42:46	1.02	82.7		-	-	*		Co-elute PCB 187	
PCB-183	7.26e+04	0.91	y	43:06	0.99	38.2		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		700	604	7.56			
PCB-174	6.64e+04	1.12	y	44:03	0.94	37.0		-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*		700	604	7.84			
PCB-177	6.06e+04	1.01	y	44:18	0.84	37.6		-	-	*			
PCB-171	3.12e+04	1.17	y	44:36	0.92	17.7	J	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		700	604	8.63			
PCB-172	2.48e+05	1.07	y	45:22	0.87	149		-	-	*			
PCB-192	9.70e+06	1.10	y	45:34	1.14	4450		-	-	*			
PCB-180	1.68e+05	1.07	y	45:45	0.89	98.4		-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*		700	604	5.79			
PCB-191	*	*	n	NotFnd	1.27	*		700	604	5.63			
PCB-170	6.35e+04	1.18	y	47:03	0.89	37.1		-	-	*			
PCB-190	*	*	n	NotFnd	1.18	*		700	604	6.02			
PCB-189	*	*	n	NotFnd	1.21	*		700	604	4.57			
13C-PCB-189	1.91e+07	1.10	y	48:23	0.88	8320					83.2	3.14e+06	2.75e+06
PCB-202	*	*	n	NotFnd	1.16	*		484	580	7.71			
PCB-201	*	*	n	NotFnd	1.24	*		484	580	7.21			
PCB-204	1.91e+07	0.92	y	45:22	1.26	10900		-	-	*			
PCB-197	9.80e+04	0.85	y	45:39	1.29	54.3		-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*		484	580	7.05			
PCB-198	*	*	n	NotFnd	0.91	*		484	580	9.88			
PCB-199	2.37e+04	0.96	y	47:39	0.95	17.8	J	-	-	*			
PCB-203	2.82e+04	0.88	y	47:54	1.01	19.9	J	-	-	*		Co-elute PCB 196	
PCB-196	2.82e+04	0.88	y	47:54	1.01	19.9	J	-	-	*		Co-elute PCB 203	
13C-PCB-202	1.40e+07	0.92	y	44:45	0.68	7920					79.2	1.43e+06	1.54e+06
13C-PCB-178	1.58e+07	1.07	y	42:16	0.70	8610					86.1	1.85e+06	1.74e+06
13C-PCB-138	2.61e+07	1.32	y	41:30	-	66.0							
PCB-195	*	*	n	NotFnd	0.85	*		1030	1220	6.58			
PCB-194	5.01e+04	0.84	y	49:48	0.94	17.2	J	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*		1030	1220	4.99			
13C-PCB-205	3.11e+07	0.90	y	50:02	1.22	9480					94.8	4.71e+06	5.33e+06
PCB-208	*	*	n	NotFnd	1.11	*		932	1120	5.72			
13C-PCB-208	2.52e+07	0.82	y	49:07	0.98	9570					95.7	3.70e+06	4.41e+06
PCB-207	1.14e+05	1.31	y	49:25	1.26	42.4		-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*		932	1120	7.39			
13C-PCB-206	1.76e+07	0.82	y	51:14	0.75	8720					87.2	2.65e+06	3.36e+06
PCB-209	1.46e+05	1.24	y	52:26	1.22	65.9		-	-	*			
13C-PCB-209	1.81e+07	1.20	y	52:26	0.80	8470					84.7	2.91e+06	2.37e+06
13C-PCB-194	2.68e+07	0.91	y	49:48	-	64.3							

Analyst: _____ Date: 10/28/20

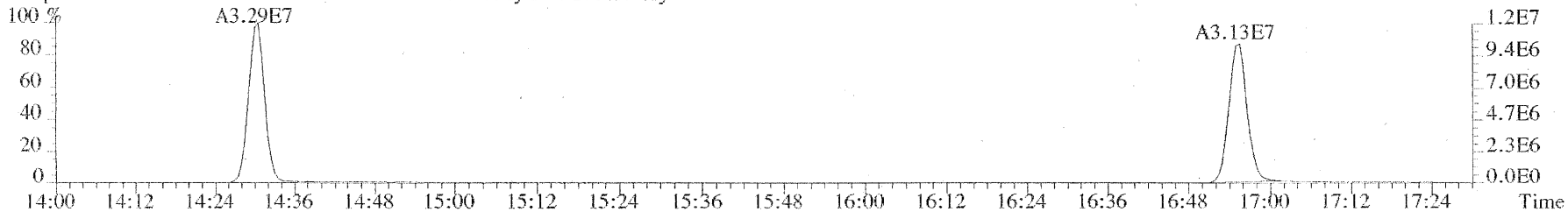
File:20OCT20Z #1-784 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



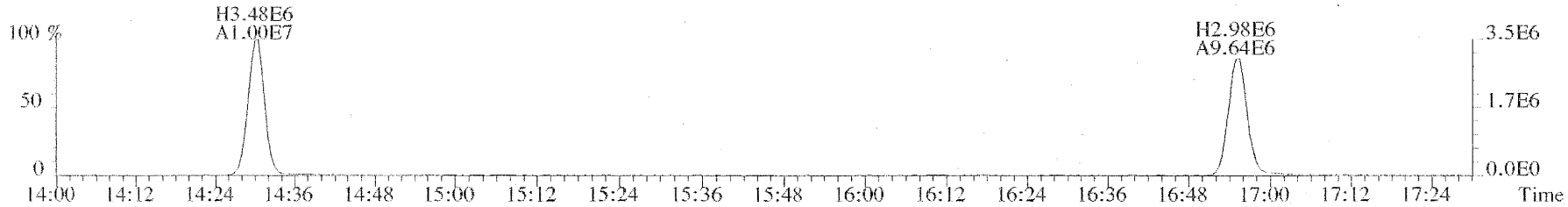
File:20OCT20Z #1-784 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



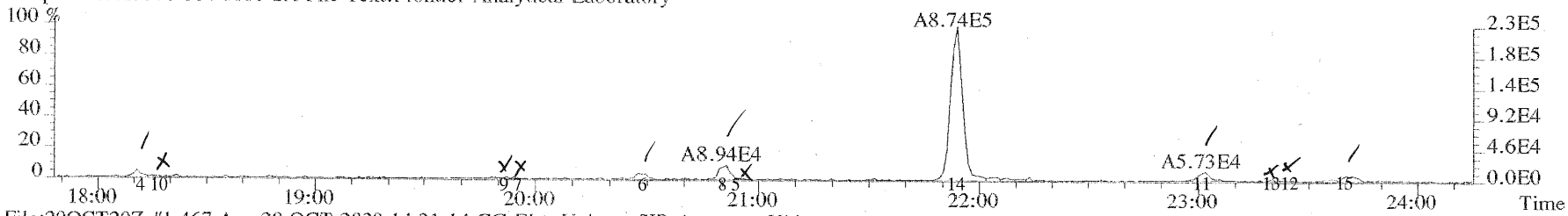
File:20OCT20Z #1-784 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



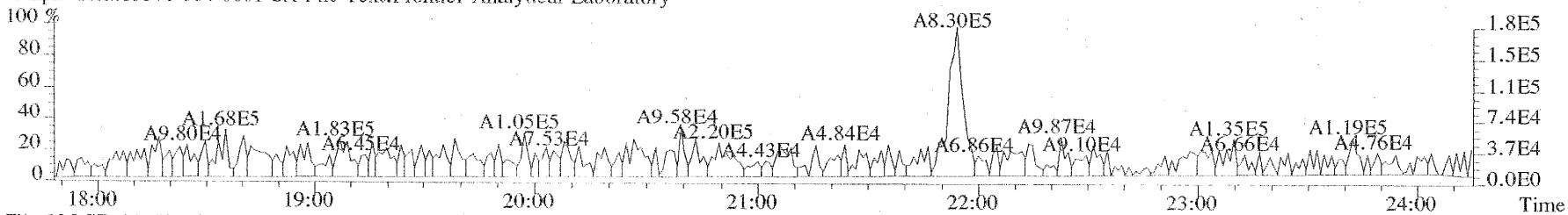
File:20OCT20Z #1-784 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



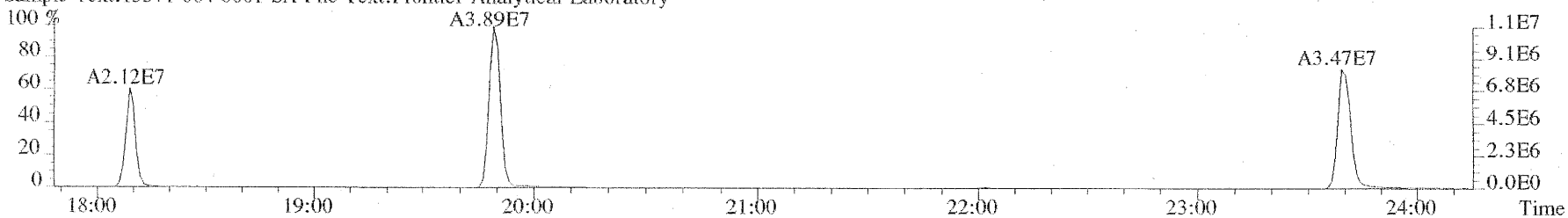
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



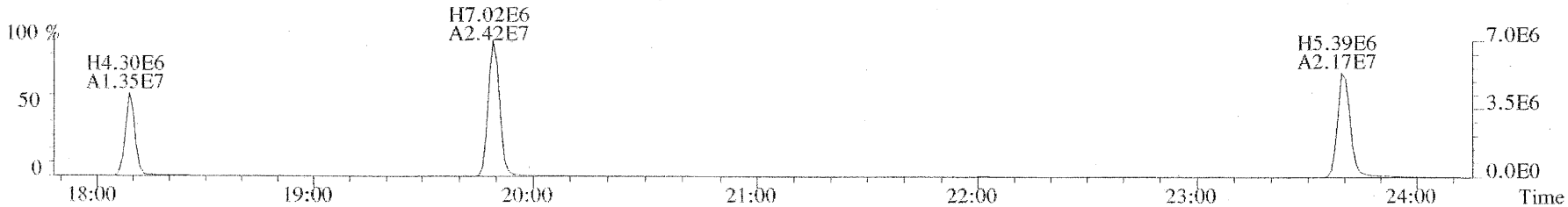
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



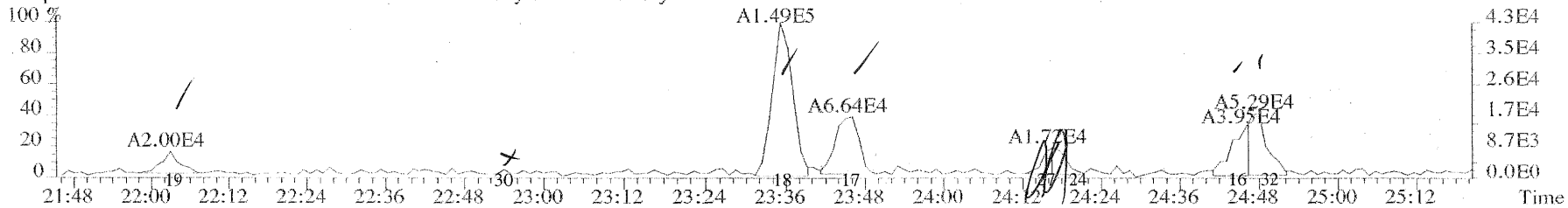
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



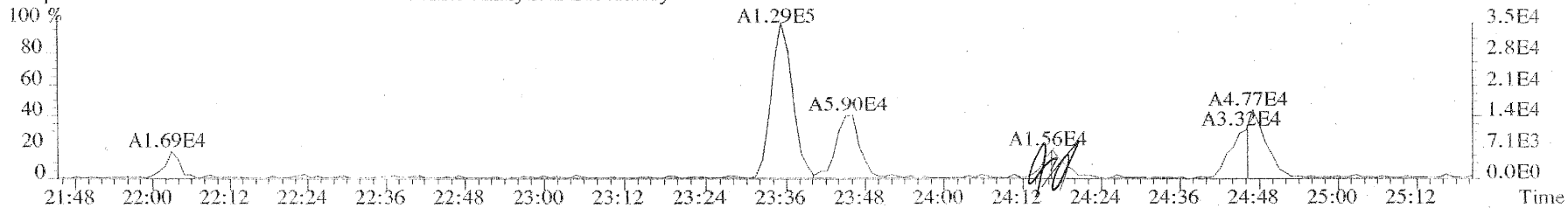
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



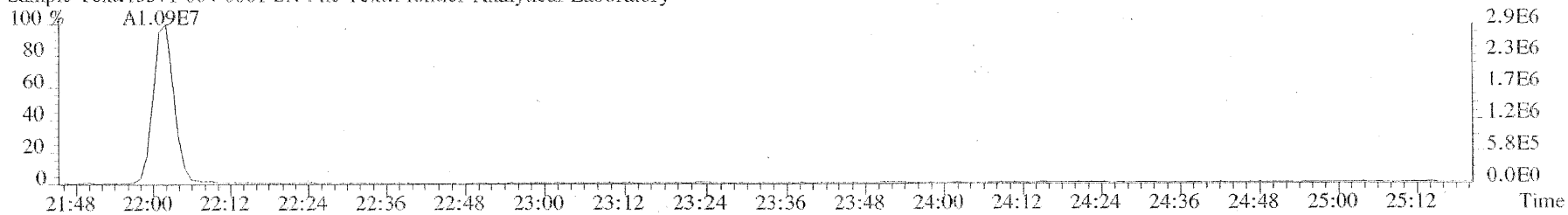
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



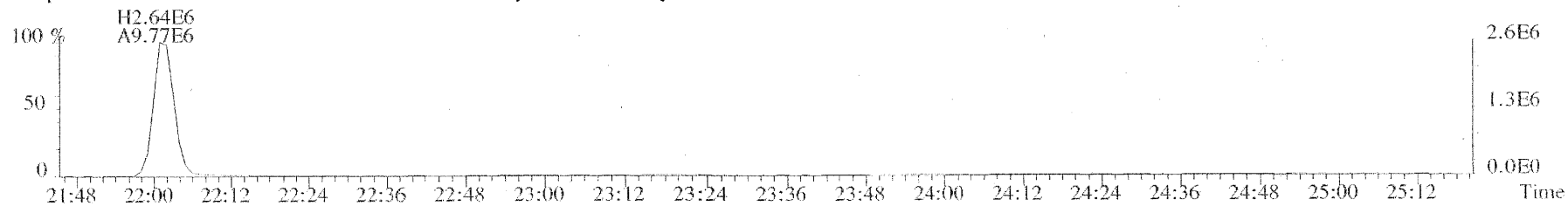
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



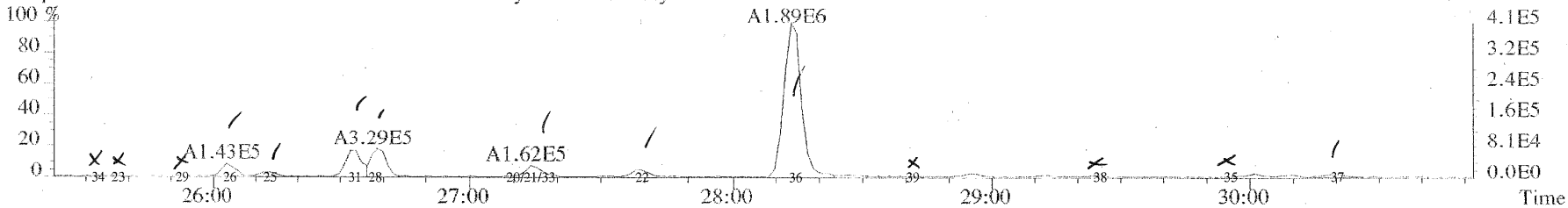
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



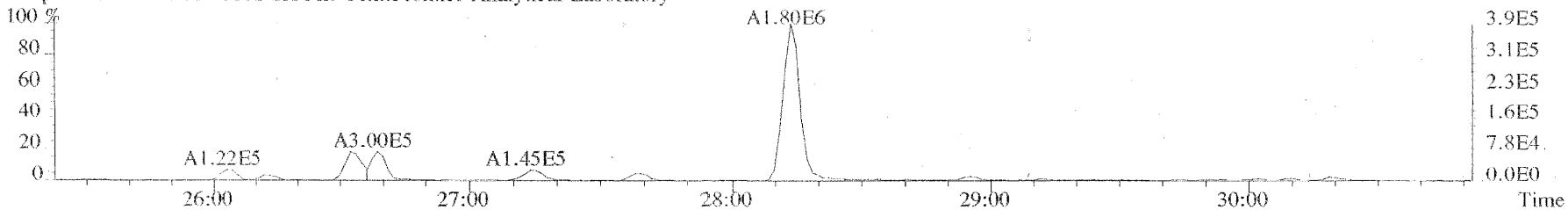
File:20OCT20Z #1-467 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



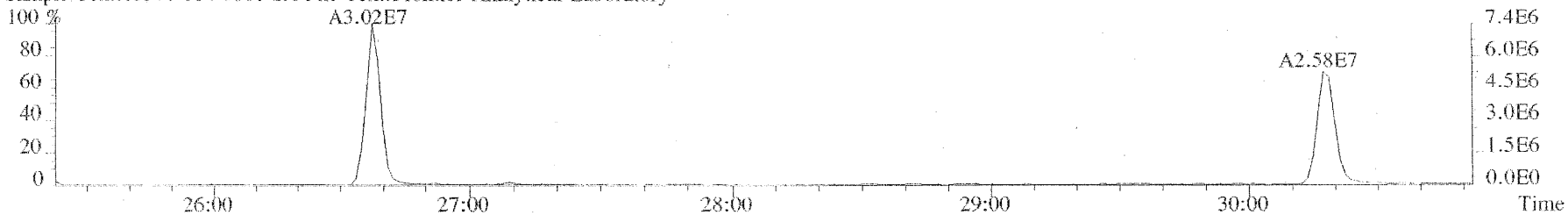
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



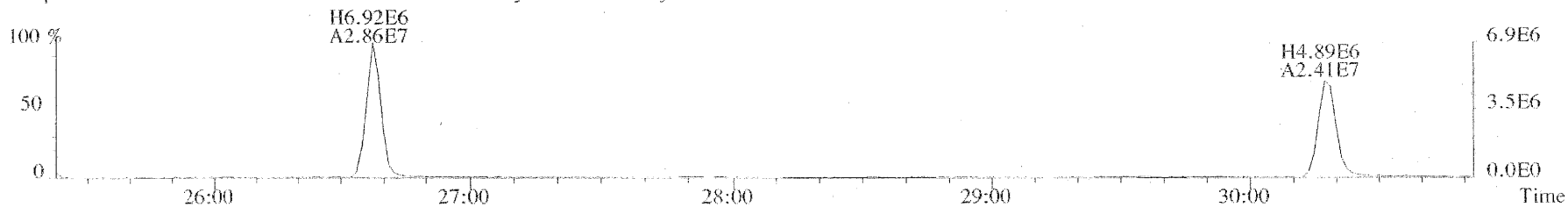
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



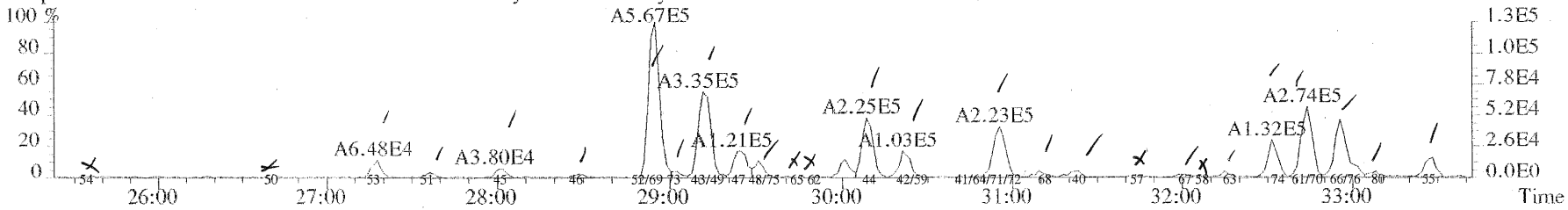
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



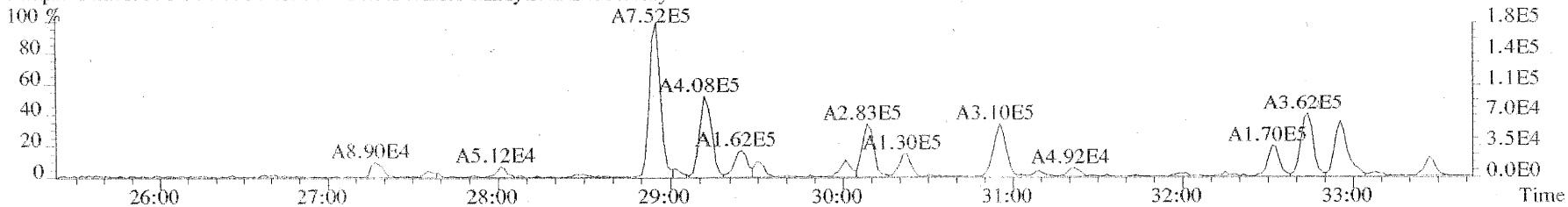
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



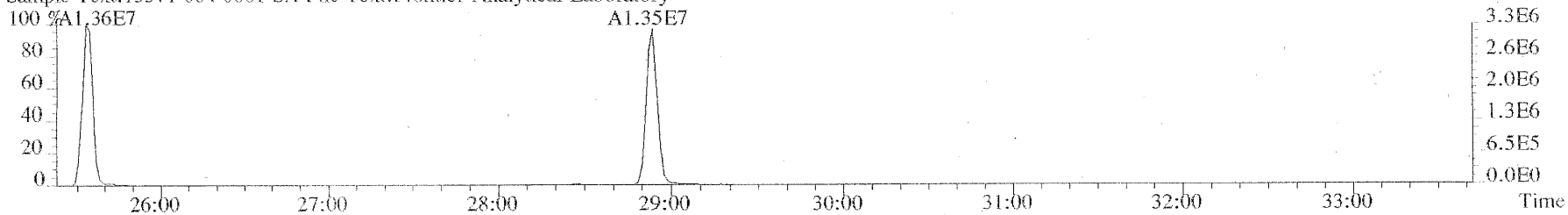
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



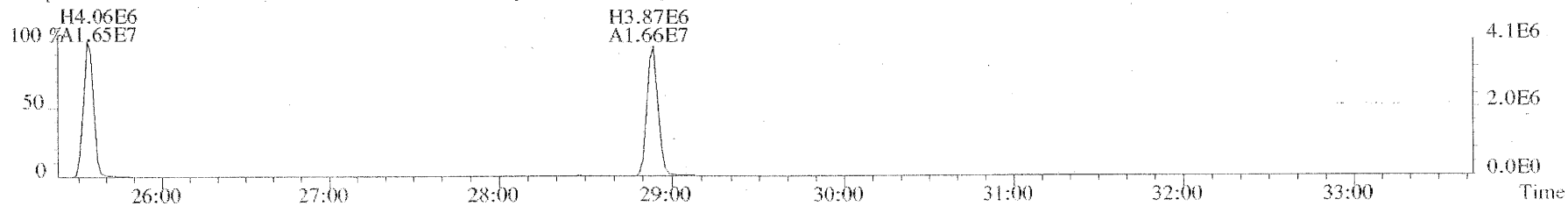
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



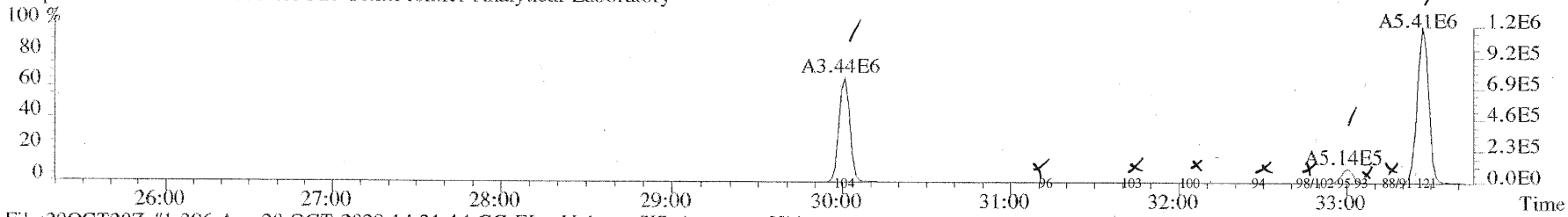
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



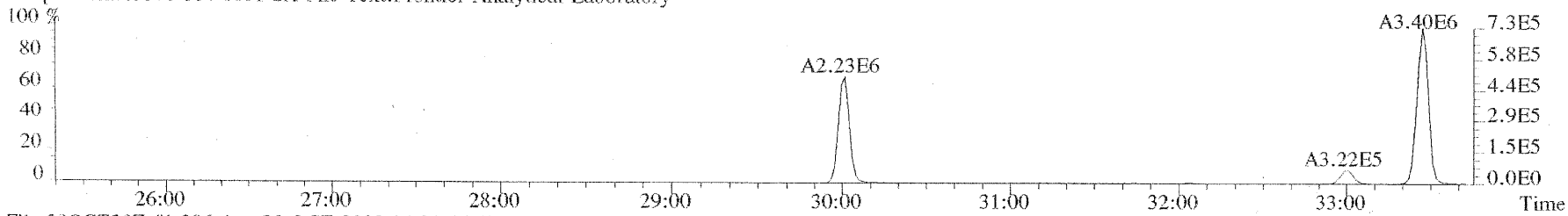
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



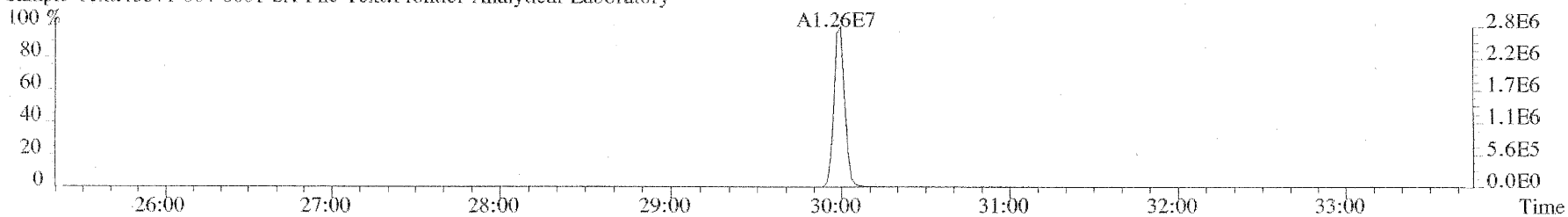
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



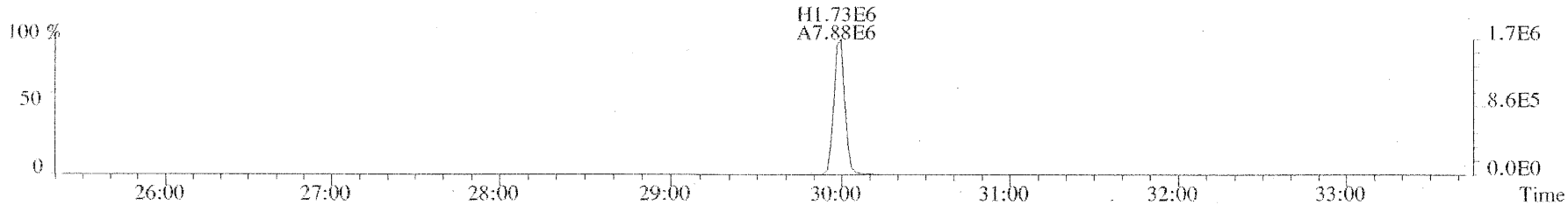
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



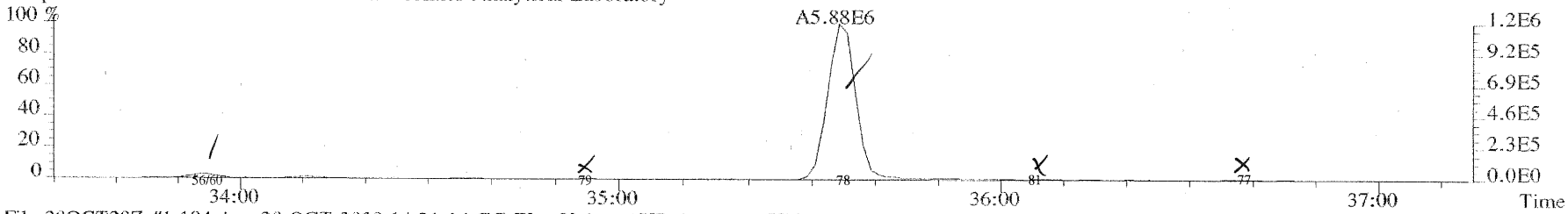
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



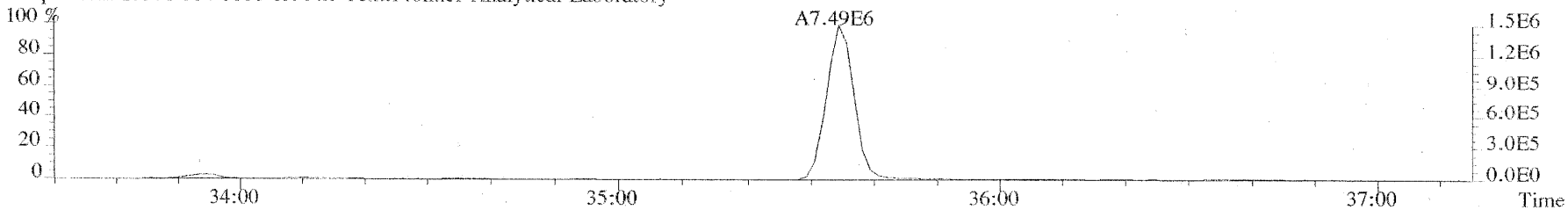
File:20OCT20Z #1-396 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



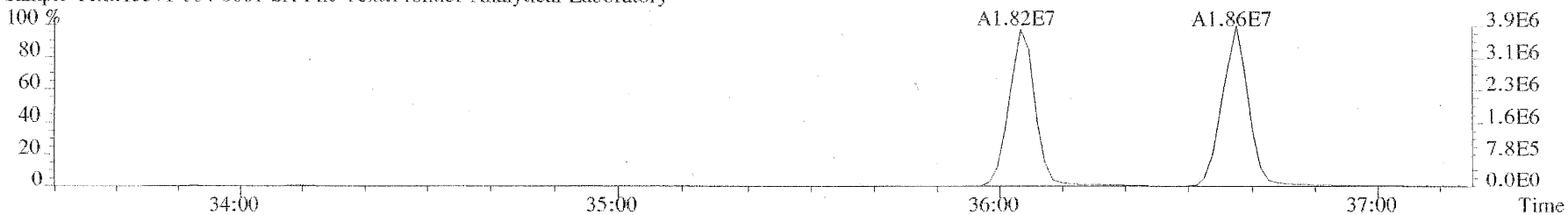
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



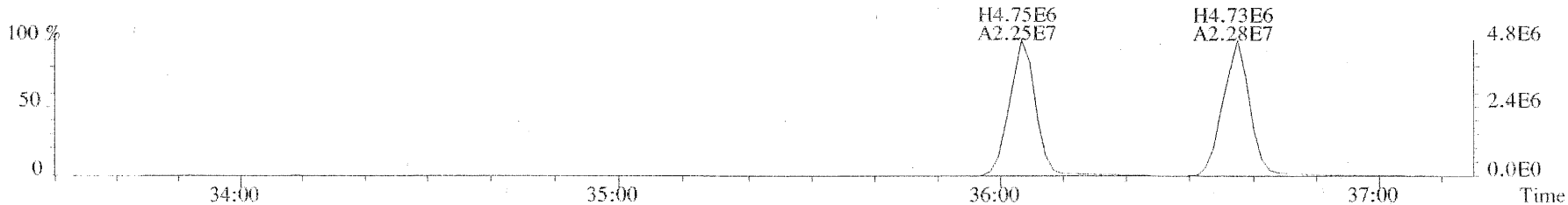
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



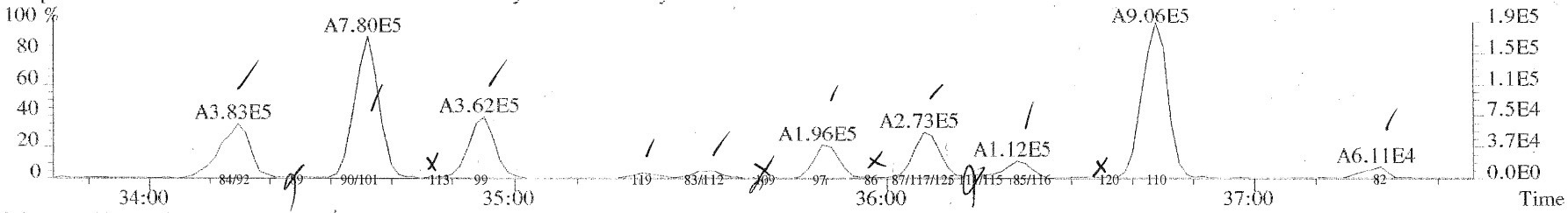
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



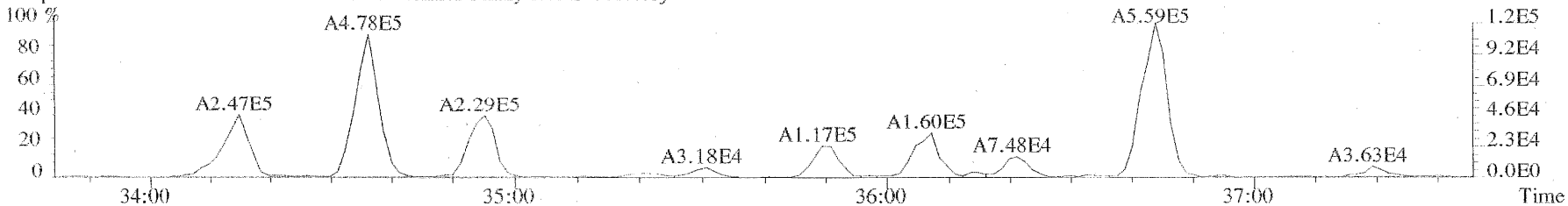
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



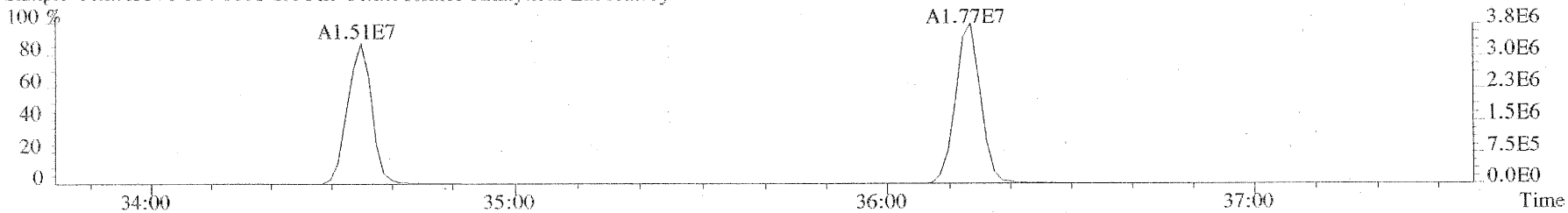
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



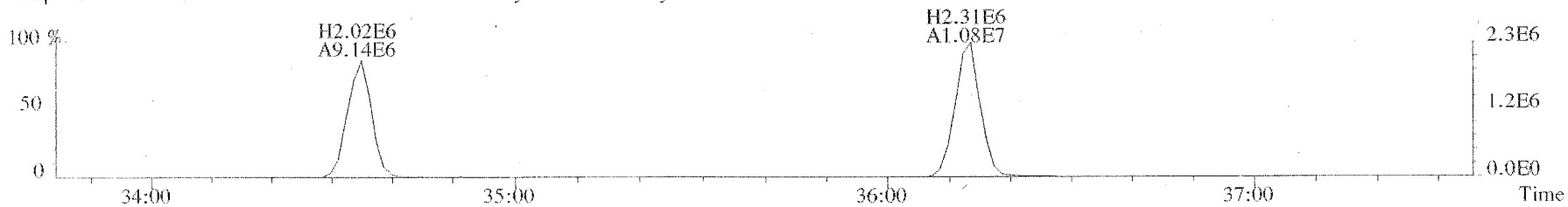
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



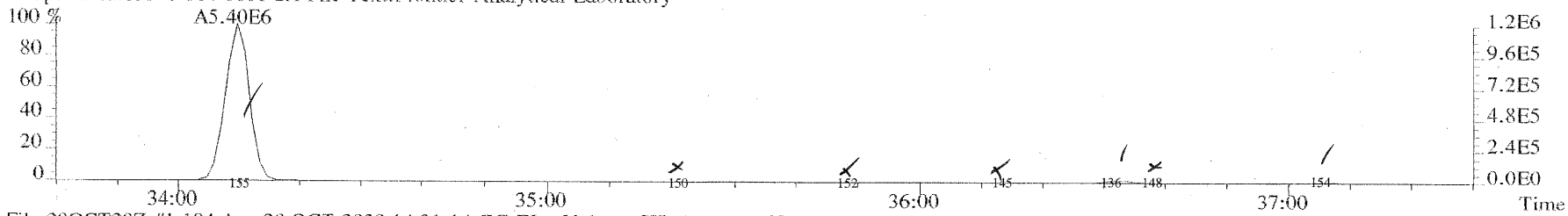
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



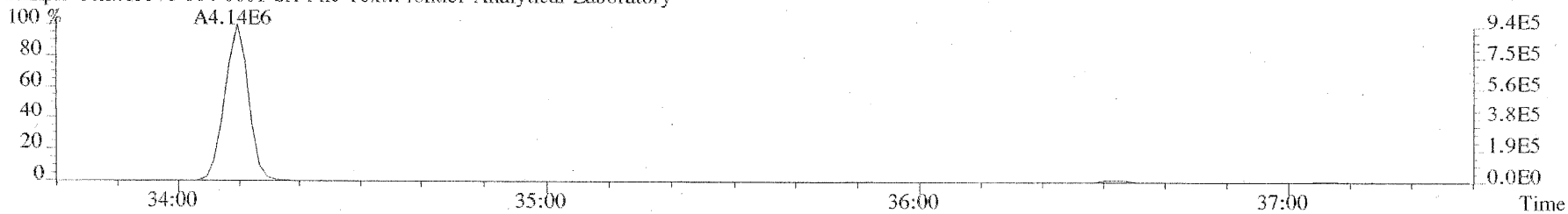
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



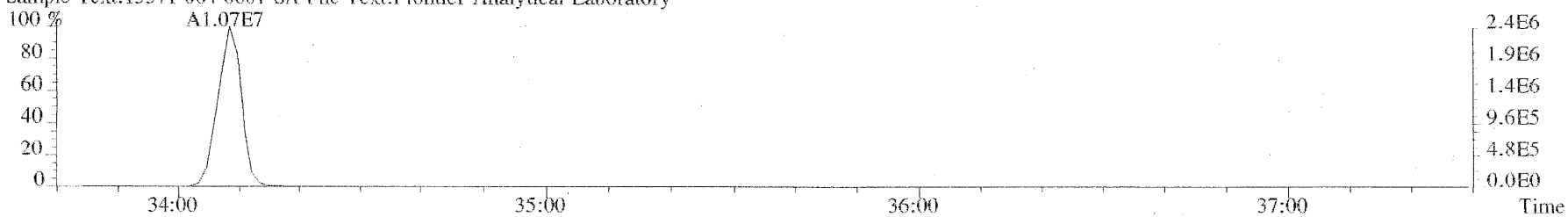
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



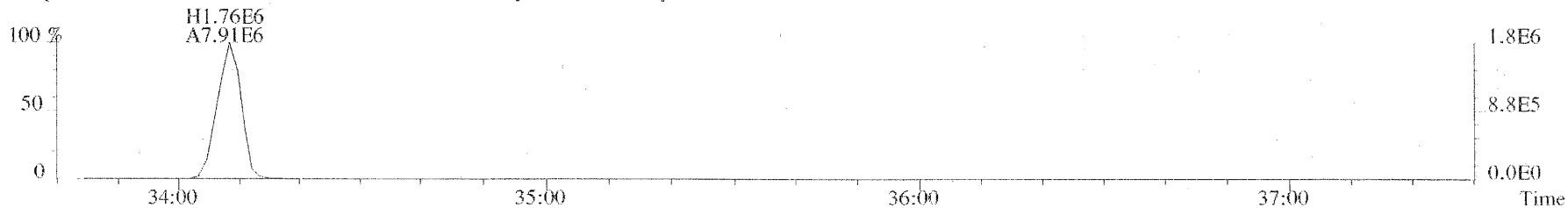
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



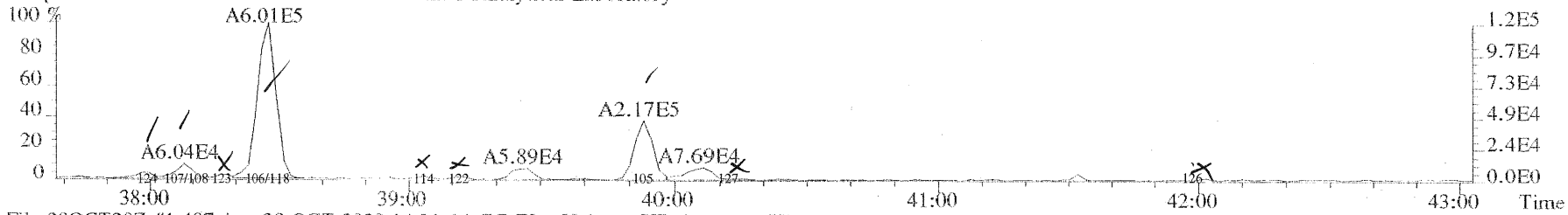
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



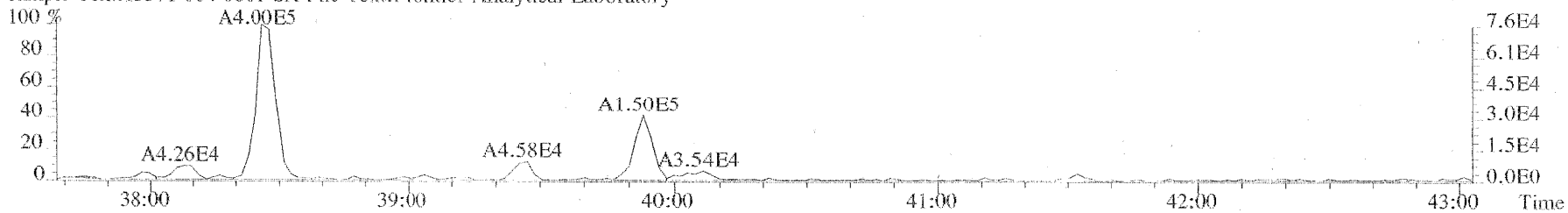
File:20OCT20Z #1-184 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



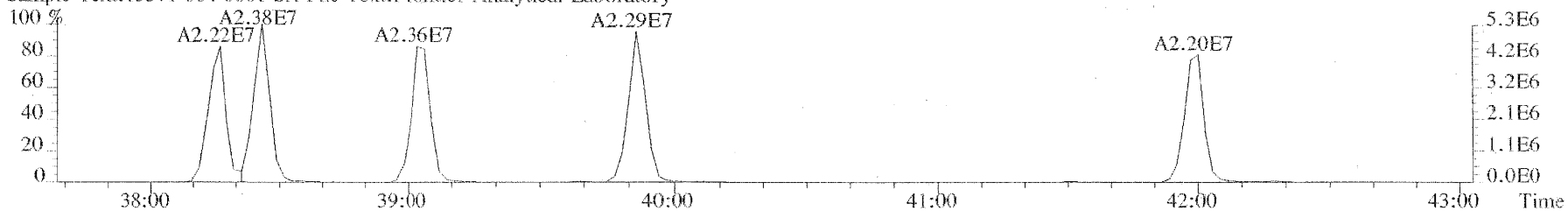
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



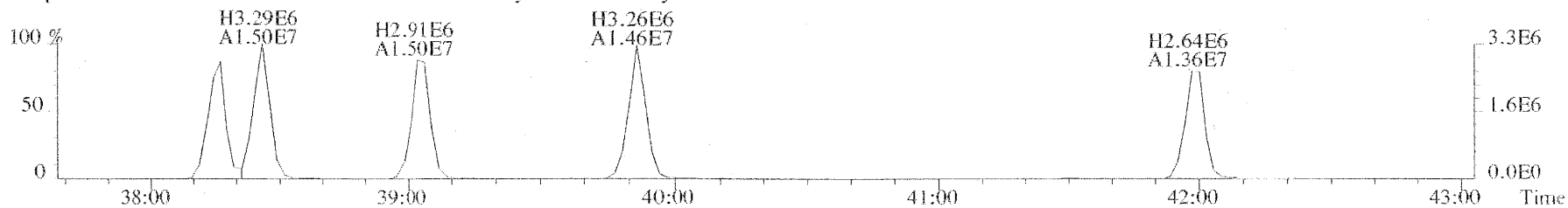
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



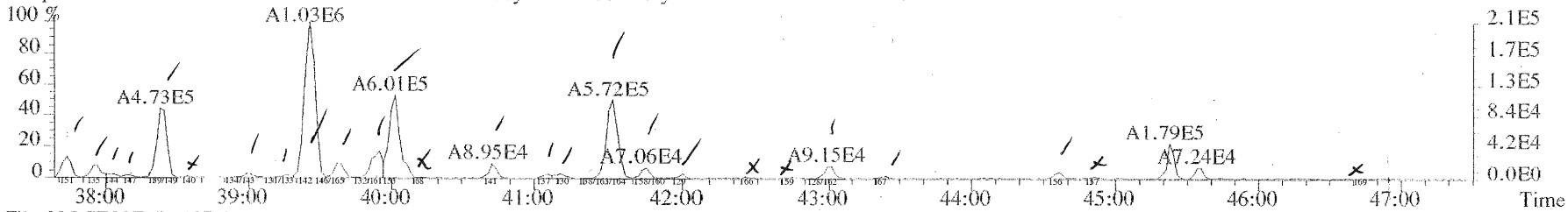
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



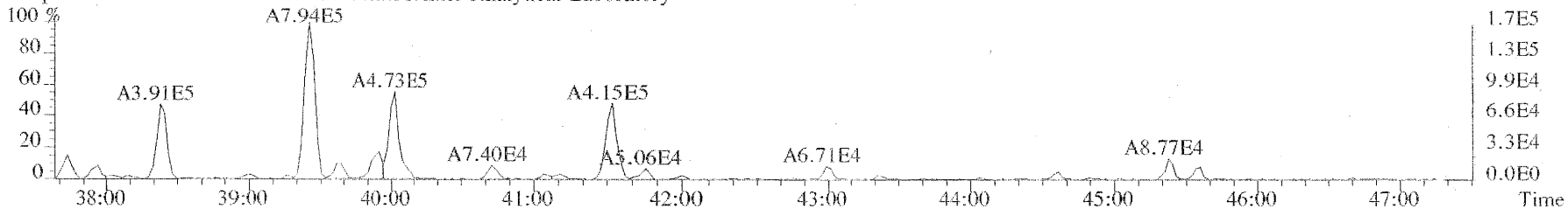
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



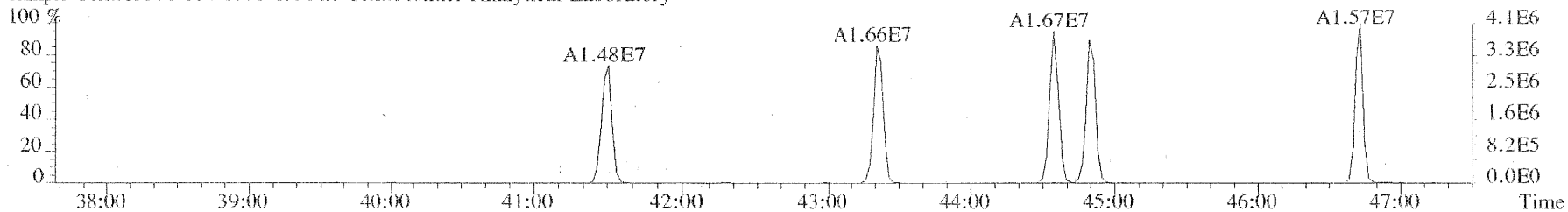
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



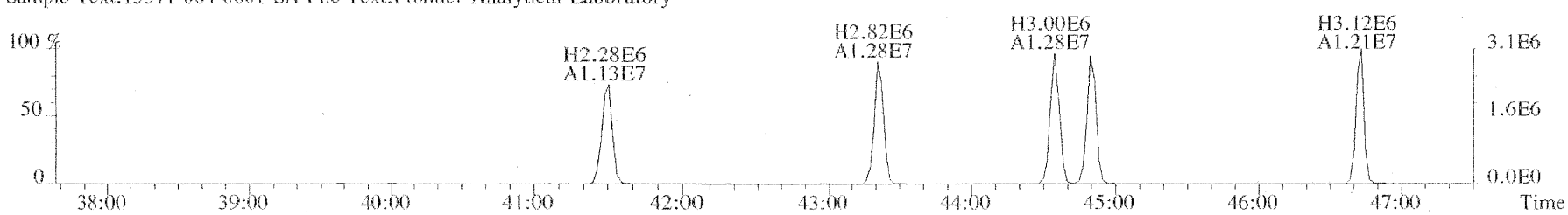
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



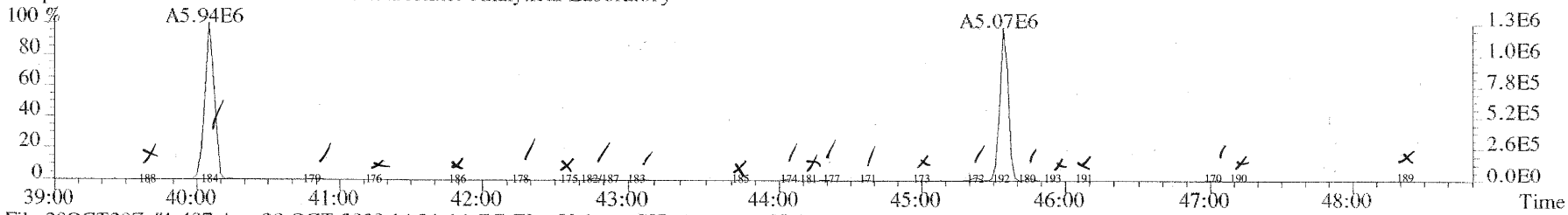
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



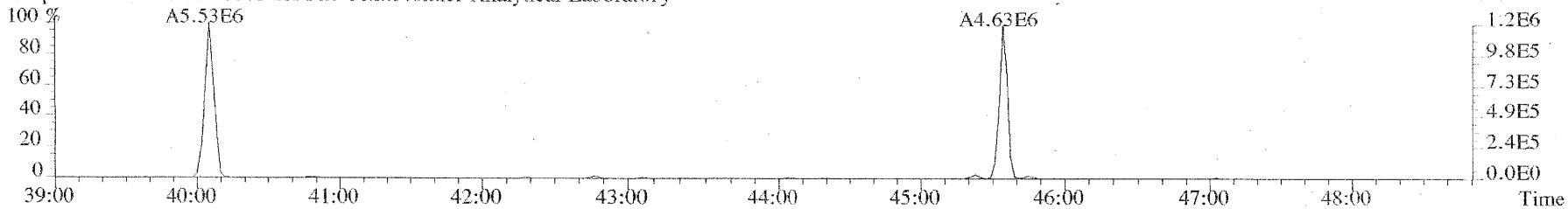
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



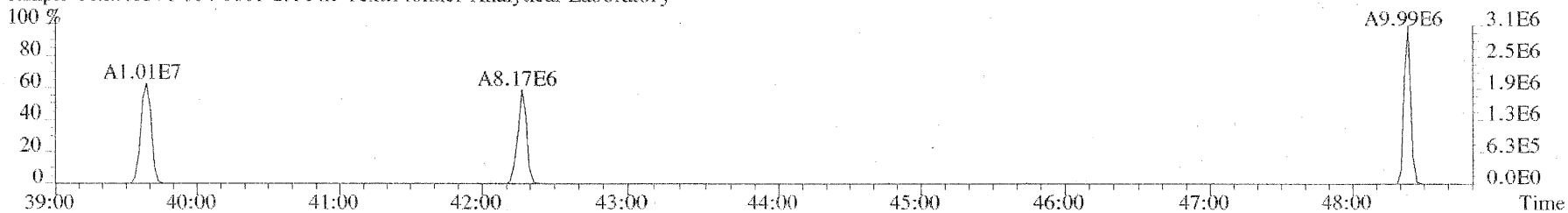
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



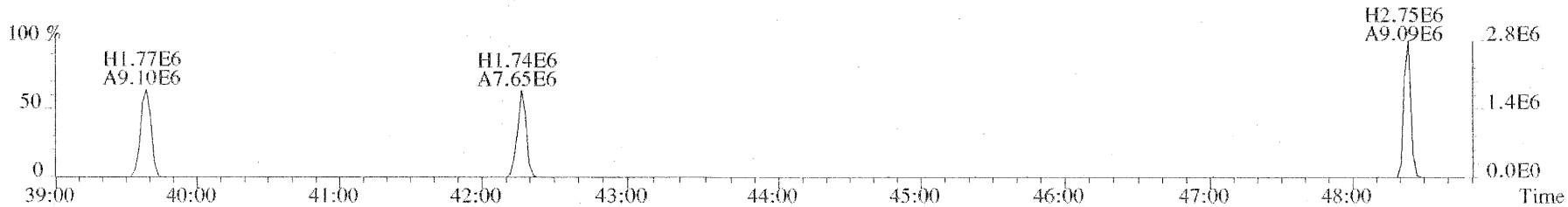
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



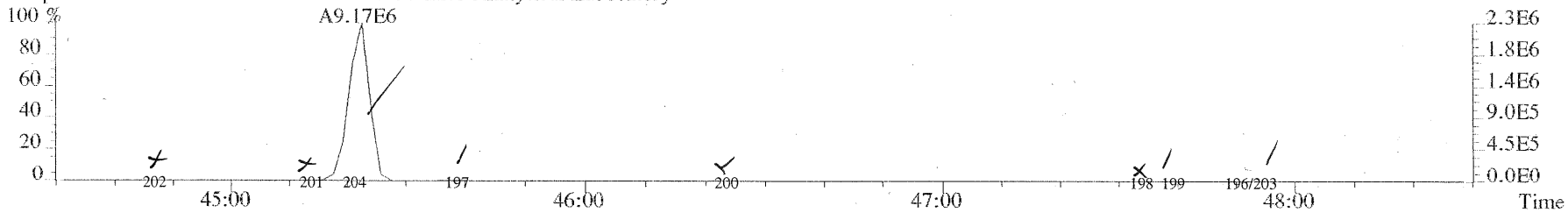
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



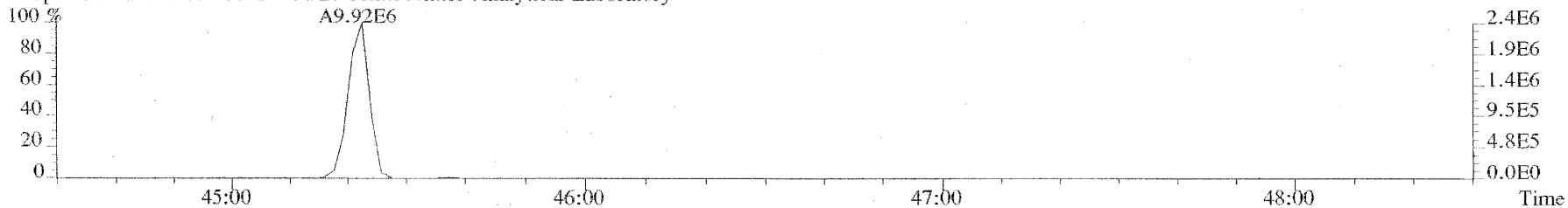
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



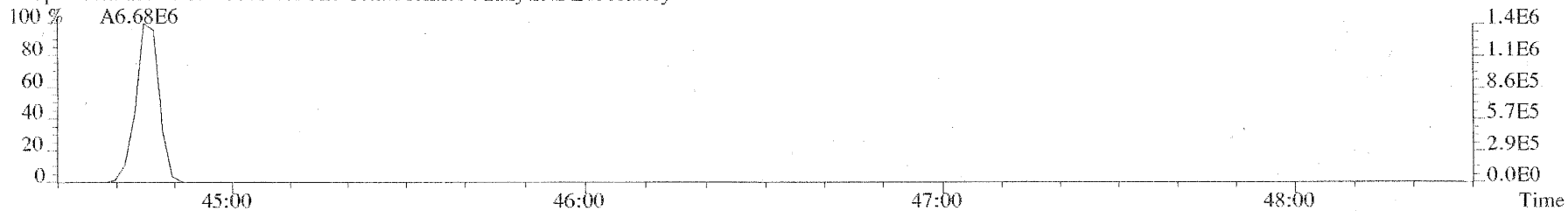
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



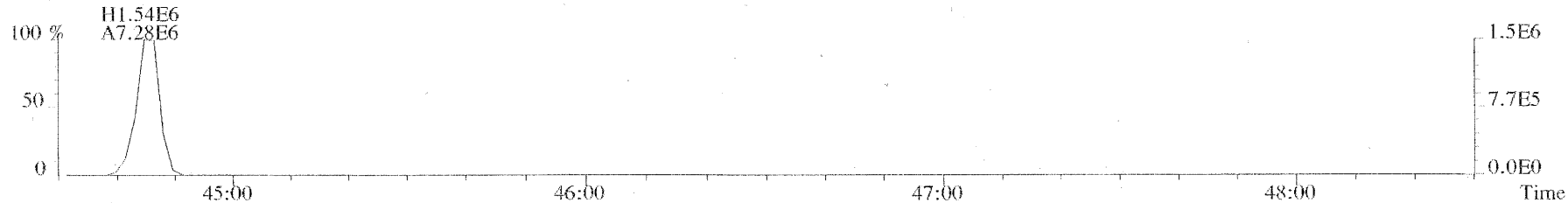
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



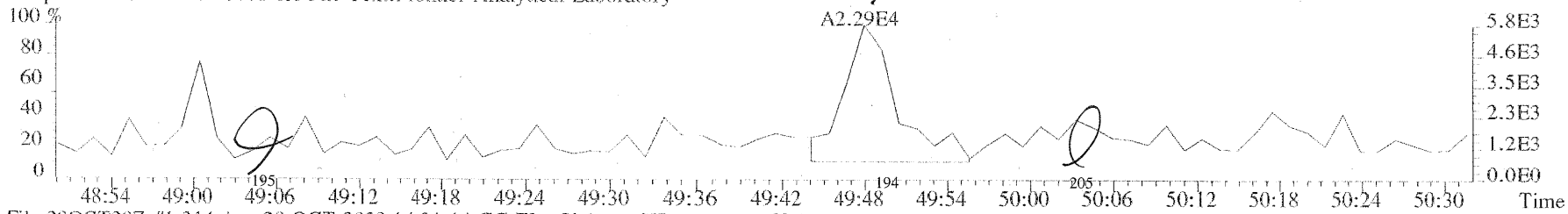
File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-407 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory

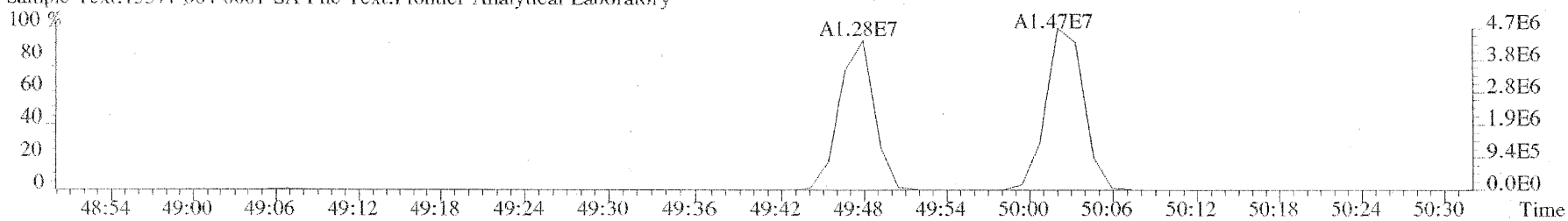


File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory

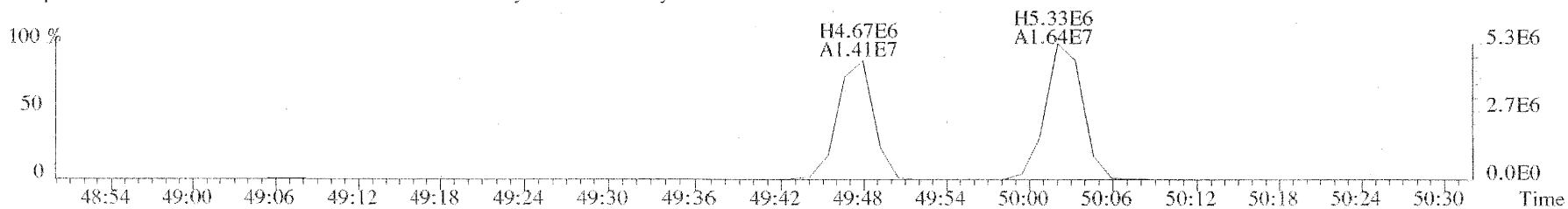


File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory

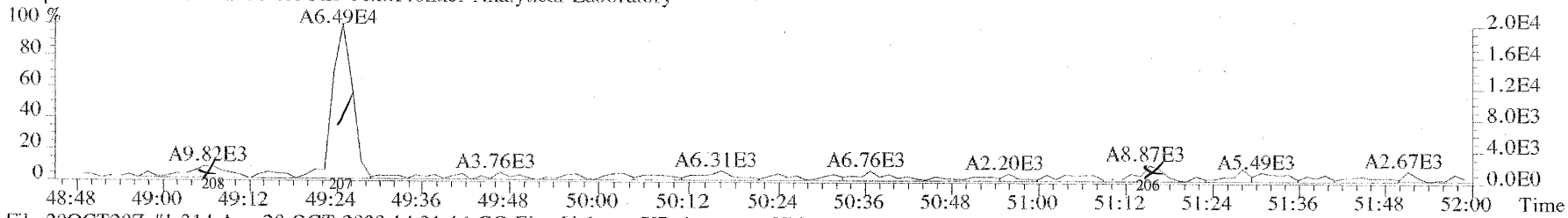
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



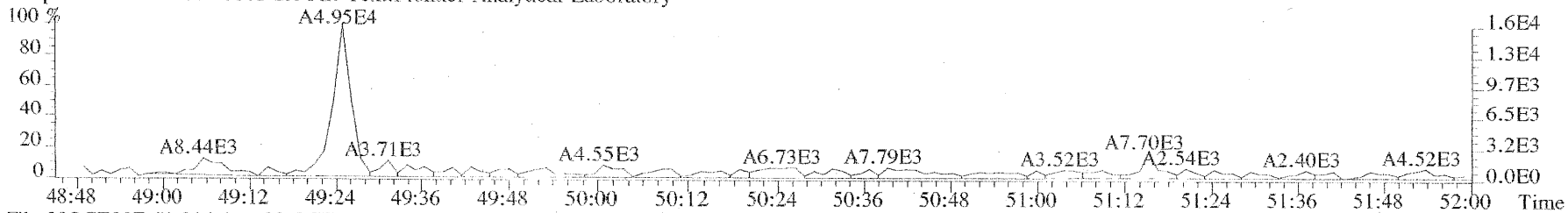
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



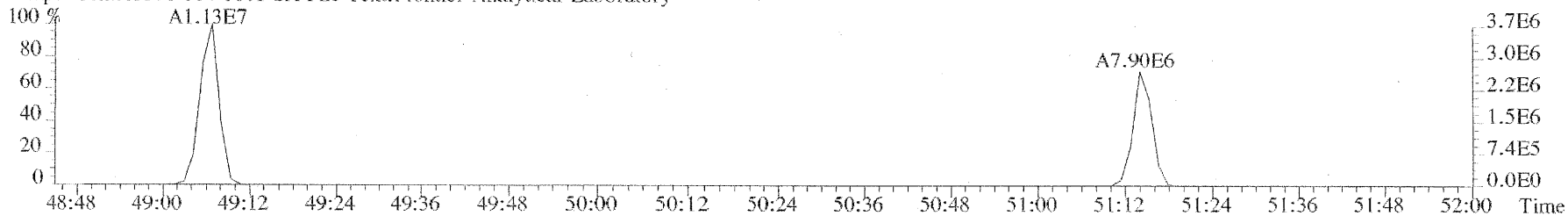
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



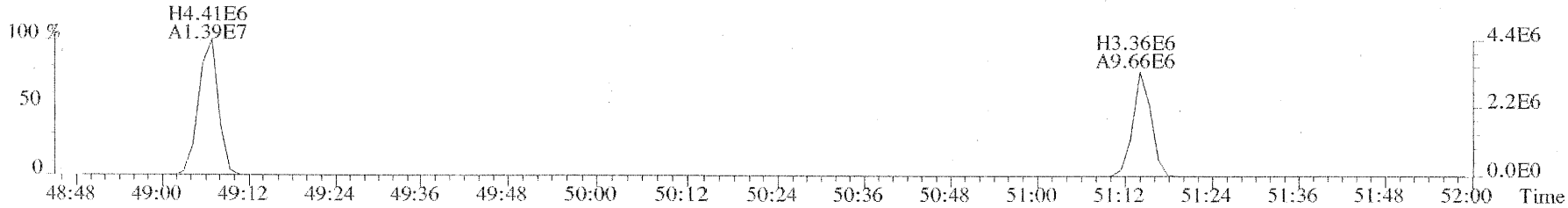
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



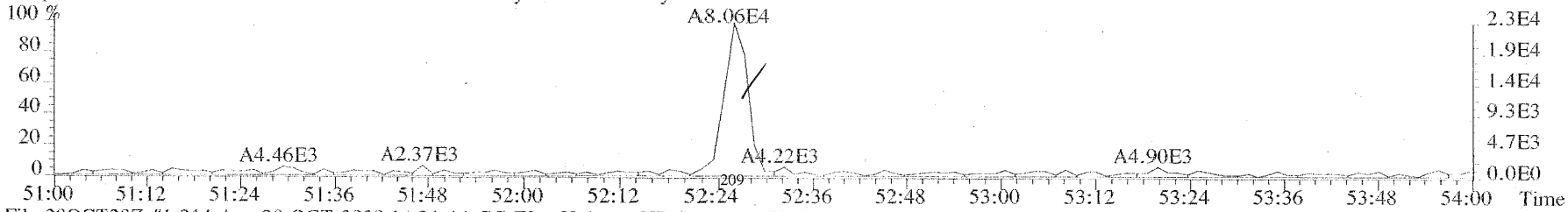
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



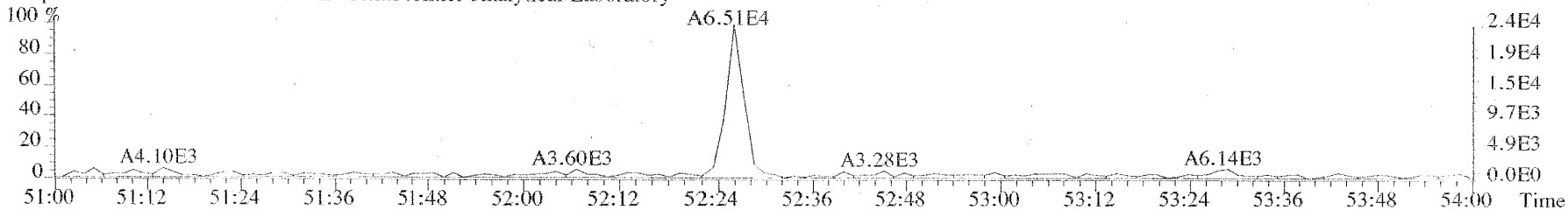
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



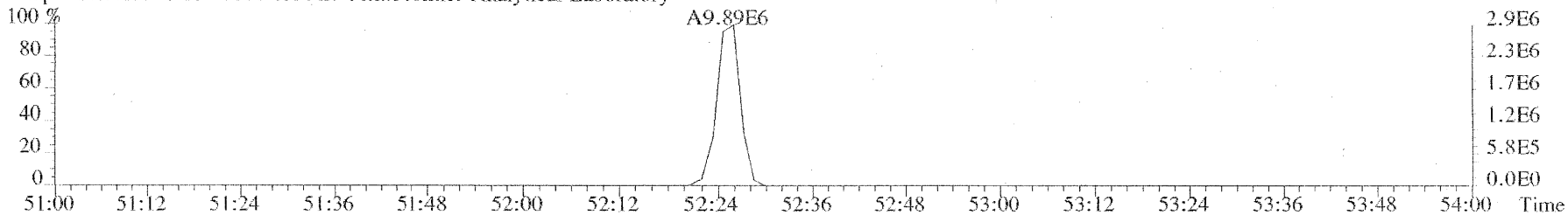
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



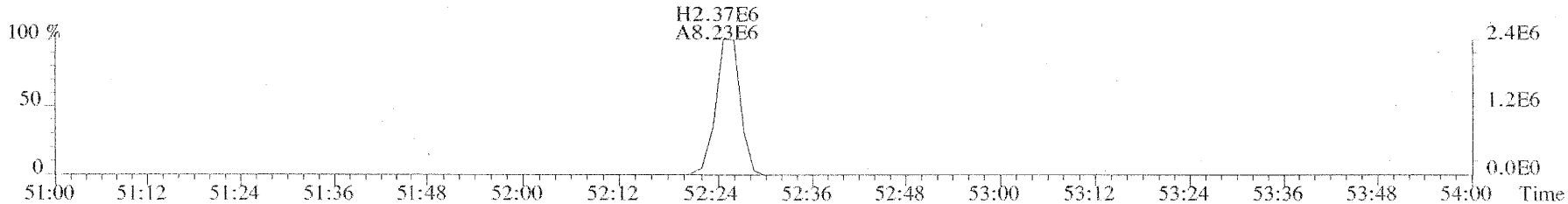
File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 14:31:14 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-008-0001-SA Filename: 20OCT20Z Sam:8 Acquired: 20-OCT-20 15:29:36 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR-CB-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1680	1120	3.58			
13C-PCB-1	4.26e+07	3.27 y	14:31	0.87	8100					81.0	1.13e+07	3.45e+06
PCB-2	*	* n	NotFnd	1.31	*		1680	1120	3.80			
PCB-3	*	* n	NotFnd	1.32	*		1680	1120	3.98			
13C-PCB-3	4.19e+07	3.33 y	16:56	0.82	8390					83.9	1.02e+07	3.10e+06
PCB-4	1.07e+05	1.48 y	18:11	1.06	29.9		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		844	4230	7.43			
13C-PCB-4	3.40e+07	1.57 y	18:10	0.65	8590					85.9	6.91e+06	4.30e+06
PCB-9	*	* n	NotFnd	1.28	*		844	4230	7.54			
PCB-7	*	* n	NotFnd	1.33	*		844	4230	7.27			
PCB-6	1.18e+05	1.42 y	20:28	1.42	18.0	J	-	-	*			
PCB-8	3.02e+05	1.43 y	20:51	1.27	51.5		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		844	4230	7.86			
PCB-14	2.51e+06	1.50 y	21:55	1.28	426		-	-	*			
PCB-11	1.60e+05	1.45 y	23:02	1.23	28.1		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		844	4230	7.89			
PCB-12	*	* n	NotFnd	1.25	*		844	4230	7.76			
PCB-15	1.42e+05	1.48 y	23:42	1.12	21.6		-	-	*			
13C-PCB-15	5.83e+07	1.61 y	23:41	1.02	9460					94.6	9.13e+06	5.52e+06
PCB-19	6.08e+04	1.18 y	22:04	1.27	22.8		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		2160	540	6.15			
PCB-18	4.67e+05	1.17 y	23:36	1.28	173		-	-	*			
PCB-17	1.99e+05	1.14 y	23:46	1.42	66.9		-	-	*			
PCB-27	4.96e+04	1.13 y	24:17	1.89	12.5	J	-	-	*			
PCB-24	4.56e+04	0.97 y	24:18	1.83	11.9	J	-	-	*			
PCB-16	1.29e+05	1.12 y	24:47	1.61	38.2		-	-	*			
PCB-32	1.35e+05	1.00 y	24:48	1.67	38.7		-	-	*			
13C-PCB-19	2.10e+07	1.10 y	22:03	0.42	8270					82.7	2.96e+06	2.81e+06
13C-PCB-9	6.06e+07	1.63 y	19:50	-	82.9							
PCB-34	*	* n	NotFnd	1.07	*		2020	1930	8.63			
PCB-23	*	* n	NotFnd	1.13	*		2020	1930	8.19			
PCB-29	*	* n	NotFnd	1.09	*		2020	1930	8.44			
PCB-26	5.11e+05	1.04 y	26:04	1.07	92.9		-	-	*			
PCB-25	2.23e+05	1.05 y	26:13	1.06	41.0		-	-	*			
PCB-31	9.60e+05	1.01 y	26:35	1.32	142		-	-	*			
PCB-28	1.01e+06	1.06 y	26:40	1.32	149		-	-	*			
PCB-20	4.53e+05	1.11 y	27:16	1.08	81.5		-	-	*		Co-elute PCB 21/33	
PCB-21	4.53e+05	1.11 y	27:16	1.08	81.5		-	-	*		Co-elute PCB 20/33	
PCB-33	4.53e+05	1.11 y	27:16	1.08	81.5		-	-	*		Co-elute PCB 20/21	
PCB-22	3.20e+05	1.12 y	27:40	1.20	51.7		-	-	*			
PCB-36	4.27e+06	1.07 y	28:15	1.13	733		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		2020	1930	8.16			
PCB-38	*	* n	NotFnd	1.08	*		2020	1930	8.52			
PCB-35	*	* n	NotFnd	1.10	*		2020	1930	8.42			
PCB-37	1.92e+05	1.14 y	30:21	1.14	32.8		-	-	*			
13C-PCB-37	5.15e+07	1.08 y	30:18	1.64	11400					114	5.58e+06	5.12e+06

PCB-54	*	*	n	NotFnd	1.36	*		924	1220	5.30			
PCB-50	*	*	n	NotFnd	1.06	*		924	1220	6.79			
PCB-53	2.29e+05	0.83	y	27:19	1.04	75.5		-	-	*			
PCB-51	6.18e+04	0.70	y	27:37	1.10	19.3	J	-	-	*			
PCB-45	1.32e+05	0.80	y	28:03	0.92	49.2		-	-	*			
PCB-46	5.80e+04	0.71	y	28:29	0.88	22.4		-	-	*			
PCB-52	2.28e+06	0.81	y	28:56	1.15	680		-	-	*		Co-elute PCB 69	
PCB-69	2.28e+06	0.81	y	28:56	1.15	680		-	-	*		Co-elute PCB 52	
PCB-73	8.20e+04	0.71	y	29:03	1.32	21.3		-	-	*			
PCB-43	1.14e+06	0.72	y	29:14	0.99	392		-	-	*		Co-elute PCB 49	
PCB-49	1.14e+06	0.72	y	29:14	0.99	392		-	-	*		Co-elute PCB 43	
PCB-47	4.05e+05	0.75	y	29:25	1.01	137		-	-	*			
PCB-48	1.84e+05	0.67	y	29:32	1.31	47.9		-	-	*		Co-elute PCB 75	
PCB-75	1.84e+05	0.67	y	29:32	1.31	47.9		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.33	*		924	1220	5.43			
PCB-62	*	*	n	NotFnd	1.28	*		924	1220	5.64			
PCB-44	7.92e+05	0.74	y	30:11	0.87	312		-	-	*			
PCB-42	3.41e+05	0.70	y	30:24	1.14	103		-	-	*		Co-elute PCB 59	
PCB-59	3.41e+05	0.70	y	30:24	1.14	103		-	-	*		Co-elute PCB 42	
PCB-72	8.04e+05	0.81	y	30:56	1.28	215		-	-	*		Co-elute PCB 41/71/64	
PCB-41	8.04e+05	0.81	y	30:56	1.28	215		-	-	*		Co-elute PCB 72/71/64	
PCB-71	8.04e+05	0.81	y	30:56	1.28	215		-	-	*		Co-elute PCB 72/41/64	
PCB-64	8.04e+05	0.81	y	30:56	1.28	215		-	-	*		Co-elute PCB 72/41/71	
PCB-68	7.33e+04	0.69	y	31:12	1.49	16.9	J	-	-	*			
PCB-40	1.04e+05	0.70	y	31:23	0.81	43.9		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		924	1220	5.11			
PCB-67	6.49e+04	0.79	y	32:01	1.42	15.6	J	-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		924	1220	5.20			
PCB-63	5.15e+04	0.77	y	32:17	1.40	12.6	J	-	-	*			
PCB-74	4.22e+05	0.70	y	32:34	1.42	102		-	-	*			
PCB-61	9.60e+05	0.74	y	32:45	1.28	257		-	-	*		Co-elute PCB 70	
PCB-70	9.60e+05	0.74	y	32:45	1.28	257		-	-	*		Co-elute PCB 61	
PCB-76	9.23e+05	0.76	y	32:57	1.49	212		-	-	*		Co-elute PCB 66	
PCB-66	9.23e+05	0.76	y	32:57	1.49	212		-	-	*		Co-elute PCB 76	
PCB-80	*	*	n	NotFnd	1.69	*		924	1220	4.28			
PCB-55	1.98e+05	0.75	y	33:29	1.49	45.5		-	-	*			
13C-PCB-54	2.92e+07	0.82	y	25:34	1.13	9430					94.3	3.32e+06	4.12e+06
PCB-104	6.04e+06	1.57	y	30:02	1.18	2790		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		500	428	4.64			
PCB-103	2.90e+04	1.63	y	31:44	0.95	16.6	J	-	-	*			
PCB-100	3.06e+04	1.42	y	32:05	0.96	17.4	J	-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		500	428	6.68			
PCB-98	1.31e+06	1.60	y	33:02	0.86	824		500	428	6.17		Co-elute PCB 102	
PCB-102	1.31e+06	1.60	y	33:02	0.86	824		500	428	6.17		Co-elute PCB 98	
PCB-95	1.31e+06	1.60	y	33:02	0.83	851		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		500	428	6.37			
PCB-88	*	*	n	NotFnd	0.87	*		500	428	6.09		Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.87	*		500	428	6.09		Co-elute PCB 88	
PCB-121	8.70e+06	1.62	y	33:29	1.18	4000		-	-	*			
13C-PCB-104	1.84e+07	1.56	y	30:01	0.90	7450					74.5	2.71e+06	1.68e+06
13C-PCB-28	5.29e+07	1.07	y	26:39	1.90	10100					101	6.73e+06	6.43e+06
13C-PCB-52	2.75e+07	0.81	y	28:55	-	69.2							

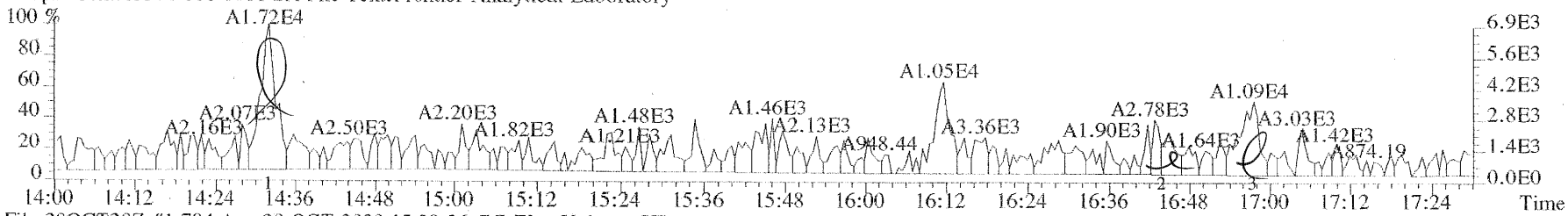
PCB-56	4.94e+05	0.81	y	33:56	1.10	111		-	-	*			Co-elute PCB 60
PCB-60	4.94e+05	0.81	y	33:56	1.10	111		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1240	1680	6.91			
PCB-78	1.42e+07	0.78	y	35:37	1.21	2890		-	-	*			
PCB-81	5.85e+04	0.75	y	36:10	1.30	11.3	J	-	-	*			
13C-PCB-81	3.98e+07	0.82	y	36:06	1.63	11200					112	3.75e+06	4.42e+06
PCB-77	7.50e+04	0.84	y	36:40	1.16	15.7	J	-	-	*			
13C-PCB-77	4.13e+07	0.82	y	36:39	1.71	11100					111	3.89e+06	4.84e+06
PCB-155	9.72e+06	1.31	y	34:12	1.22	4800		-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*		588	660	6.80			
PCB-152	*	*	n	NotFnd	1.19	*		588	660	6.90			
PCB-145	*	*	n	NotFnd	1.18	*		588	660	6.96			
PCB-136	1.71e+05	1.17	y	36:34	1.08	96.0		-	-	*			
PCB-148	*	*	n	NotFnd	1.02	*		588	660	8.05			
PCB-154	4.12e+04	1.07	y	37:08	1.05	23.7		-	-	*			
13C-PCB-155	1.65e+07	1.37	y	34:10	0.99	7700					77.0	2.24e+06	1.58e+06
13C-PCB-111	2.46e+07	1.60	y	36:16	1.27	8940					89.4	3.18e+06	1.99e+06
13C-PCB-101	2.18e+07	1.65	y	34:36	-	62.0							
PCB-84	9.29e+05	1.61	y	34:16	0.70	363		-	-	*			Co-elute PCB 92
PCB-92	9.29e+05	1.61	y	34:16	0.70	363		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		1120	832	9.15			
PCB-90	1.78e+06	1.60	y	34:37	0.79	618		-	-	*			Co-elute PCB 101
PCB-101	1.78e+06	1.60	y	34:37	0.79	618		-	-	*			Co-elute PCB 90
PCB-113	8.66e+05	1.60	y	34:56	0.92	258		1120	832	6.80			
PCB-99	8.66e+05	1.60	y	34:56	0.84	283		-	-	*			
PCB-119	7.65e+04	1.70	y	35:22	1.01	20.8		-	-	*			
PCB-83	1.04e+05	1.37	y	35:32	0.80	35.5		-	-	*			Co-elute PCB 112
PCB-112	1.04e+05	1.37	y	35:32	0.80	35.5		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		1120	832	6.45			
PCB-97	4.42e+05	1.64	y	35:52	0.67	182		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		1120	832	9.20			
PCB-125	6.35e+05	1.65	y	36:08	0.91	193		-	-	*			Co-elute PCB 87/117
PCB-87	6.35e+05	1.65	y	36:08	0.91	193		-	-	*			Co-elute PCB 125/117
PCB-117	6.35e+05	1.65	y	36:08	0.91	193		-	-	*			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*		1120	832	6.41			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*		1120	832	6.41			Co-elute PCB 111
PCB-85	2.83e+05	1.48	y	36:24	0.87	89.2		-	-	*			Co-elute PCB 116
PCB-116	2.83e+05	1.48	y	36:24	0.87	89.2		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		1120	832	5.83			
PCB-110	2.18e+06	1.66	y	36:46	0.99	605		-	-	*			
PCB-82	1.23e+05	1.47	y	37:22	0.61	55.2		-	-	*			
PCB-124	7.01e+04	1.51	y	38:01	1.06	18.2	J	-	-	*			
PCB-108	1.19e+05	1.54	y	38:11	1.11	29.6		-	-	*			Co-elute PCB 107
PCB-107	1.19e+05	1.54	y	38:11	1.11	29.6		-	-	*			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*		1600	1220	9.13			
13C-PCB-123	3.47e+07	1.59	y	38:18	1.29	11200					112	4.76e+06	2.98e+06
PCB-118	1.49e+06	1.58	y	38:29	1.07	370		-	-	*			Co-elute PCB 106
PCB-106	1.49e+06	1.58	y	38:29	1.07	370		-	-	*			Co-elute PCB 118
13C-PCB-118	3.79e+07	1.58	y	38:28	1.39	11300					113	4.67e+06	2.97e+06
PCB-114	4.15e+04	1.61	y	39:07	1.08	10.2	J	-	-	*			
13C-PCB-114	3.74e+07	1.60	y	39:06	1.37	11400					114	5.13e+06	3.19e+06
PCB-122	*	*	n	NotFnd	1.15	*		1600	1220	7.89			
PCB-105	4.69e+05	1.59	y	39:57	1.15	115		-	-	*			
13C-PCB-105	3.55e+07	1.59	y	39:55	1.37	10800					108	4.57e+06	2.85e+06

PCB-127	*	*	n	NotFnd	1.05	*		1600	1220	8.64			
PCB-126	*	*	n	NotFnd	1.07	*		1600	1220	8.44			
13C-PCB-126	3.55e+07	1.59	y	42:02	1.35	11000					110	4.75e+06	3.02e+06
PCB-151	2.94e+05	1.32	y	37:45	0.85	129		-	-	*			
PCB-135	1.93e+05	1.21	y	37:56	0.80	89.6		-	-	*			
PCB-144	6.93e+04	1.39	y	38:05	1.06	24.4		-	-	*			
PCB-147	4.77e+04	1.40	y	38:13	0.96	18.6	J	-	-	*			
PCB-139	1.12e+06	1.30	y	38:26	0.99	424		-	-	*		Co-elute PCB 149	
PCB-149	1.12e+06	1.30	y	38:26	0.99	424		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.95	*		1180	1010	8.84			
PCB-143	8.94e+04	1.06	y	39:02	0.81	41.0		-	-	*		Co-elute PCB 134	
PCB-134	8.94e+04	1.06	y	39:02	0.81	41.0		-	-	*		Co-elute PCB 143	
PCB-131	4.57e+04	1.09	y	39:19	0.84	20.4		-	-	*		Co-elute PCB 133	
PCB-133	4.57e+04	1.09	y	39:19	0.84	20.4		-	-	*		Co-elute PCB 131	
PCB-142	1.84e+06	1.31	y	39:29	0.83	832		-	-	*			
PCB-165	2.24e+05	1.12	y	39:40	1.04	80.5		-	-	*		Co-elute PCB 146	
PCB-146	2.24e+05	1.12	y	39:40	1.04	80.5		-	-	*		Co-elute PCB 165	
PCB-161	4.52e+05	1.23	y	39:57	1.00	169		-	-	*		Co-elute PCB 132	
PCB-132	4.52e+05	1.23	y	39:57	1.00	169		-	-	*		Co-elute PCB 161	
PCB-153	1.21e+06	1.16	y	40:03	1.17	386		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		1180	1010	7.15			
PCB-141	1.72e+05	1.21	y	40:46	0.93	69.0		-	-	*			
PCB-137	6.21e+04	1.13	y	41:07	0.88	26.4		-	-	*			
PCB-130	7.16e+04	1.42	y	41:14	0.87	30.6		-	-	*			
PCB-138	1.23e+06	1.32	y	41:34	1.14	404		-	-	*		Co-elute PCB 163/164	
PCB-163	1.23e+06	1.32	y	41:34	1.14	404		-	-	*		Co-elute PCB 138/164	
PCB-164	1.23e+06	1.32	y	41:34	1.14	404		-	-	*		Co-elute PCB 138/163	
PCB-158	1.28e+05	1.21	y	41:47	1.25	38.1		-	-	*		Co-elute PCB 160	
PCB-160	1.28e+05	1.21	y	41:47	1.25	38.1		-	-	*		Co-elute PCB 158	
PCB-129	5.19e+04	1.13	y	42:03	0.81	24.0		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		1180	1010	6.93			
PCB-159	*	*	n	NotFnd	1.33	*		1180	1010	6.36			
PCB-128	1.76e+05	1.40	y	43:03	1.06	62.0		-	-	*		Co-elute PCB 162	
PCB-162	1.76e+05	1.40	y	43:03	1.06	62.0		-	-	*		Co-elute PCB 128	
PCB-167	4.01e+04	1.21	y	43:26	1.23	11.8	J	-	-	*			
13C-PCB-167	2.76e+07	1.30	y	43:24	1.14	10100					101	3.53e+06	2.68e+06
PCB-156	9.52e+04	1.38	y	44:38	1.29	28.4		-	-	*			
13C-PCB-156	2.60e+07	1.30	y	44:38	1.12	9620					96.2	3.36e+06	2.61e+06
PCB-157	*	*	n	NotFnd	1.24	*		1180	1010	6.70			
13C-PCB-157	2.73e+07	1.29	y	44:53	1.14	9940					99.4	3.69e+06	2.87e+06
PCB-169	*	*	n	NotFnd	1.20	*		1180	1010	6.15			
13C-PCB-169	2.64e+07	1.29	y	46:45	1.17	9420					94.2	4.19e+06	3.21e+06

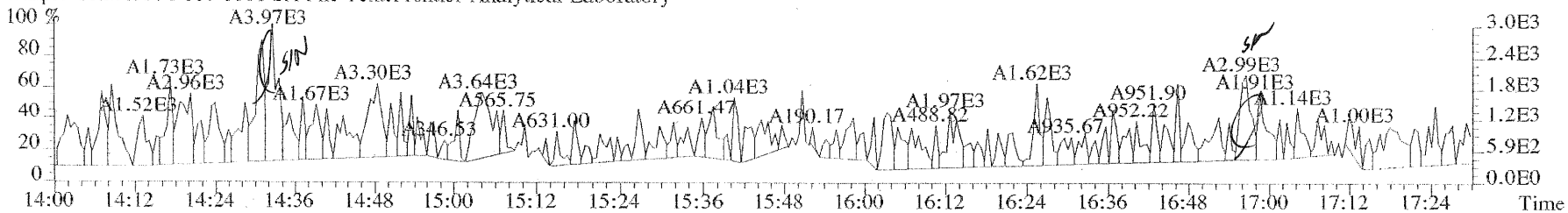
PCB-188	*	*	n	NotFnd	1.21	*		640	560	6.68			
13C-PCB-188	1.71e+07	1.11	y	39:40	0.86	8260					82.6	1.96e+06	1.76e+06
PCB-184	1.08e+07	1.09	y	40:08	1.31	5030		-	-	*			
PCB-179	9.42e+04	1.10	y	40:52	1.28	45.0		-	-	*			
PCB-176	2.78e+04	1.10	y	41:17	1.26	13.4	J	-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		640	560	5.95			
PCB-178	3.23e+04	1.19	y	42:20	0.90	21.9		-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*		640	560	7.80			
PCB-187	1.51e+05	1.10	y	42:49	1.02	90.1		-	-	*		Co-elute PCB 182	
PCB-182	1.51e+05	1.10	y	42:49	1.02	90.1		-	-	*		Co-elute PCB 187	
PCB-183	8.79e+04	1.20	y	43:07	0.99	53.9		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		640	560	7.70			
PCB-174	8.78e+04	1.20	y	44:07	0.94	57.2		-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*		640	560	7.99			
PCB-177	6.26e+04	1.10	y	44:22	0.84	45.3		-	-	*			
PCB-171	2.76e+04	1.02	y	44:40	0.92	18.3	J	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		640	560	8.79			
PCB-172	1.81e+05	1.09	y	45:26	0.87	127		-	-	*			
PCB-192	8.04e+06	1.11	y	45:37	1.14	4310		-	-	*			
PCB-180	1.64e+05	1.18	y	45:47	0.89	112		-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*		640	560	5.89			
PCB-191	*	*	n	NotFnd	1.27	*		640	560	5.73			
PCB-170	4.89e+04	1.03	y	47:04	0.89	33.3		-	-	*			
PCB-190	2.77e+04	1.01	y	47:14	1.18	14.3	J	-	-	*			
PCB-189	*	*	n	NotFnd	1.21	*		640	560	5.25			
13C-PCB-189	1.57e+07	1.12	y	48:25	0.88	7430					74.3	2.50e+06	2.22e+06
PCB-202	*	*	n	NotFnd	1.16	*		476	450	7.80			
PCB-201	*	*	n	NotFnd	1.24	*		476	450	7.29			
PCB-204	1.50e+07	0.92	y	45:24	1.26	11700		-	-	*			
PCB-197	7.12e+04	0.98	y	45:41	1.29	54.1		-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*		476	450	7.13			
PCB-198	*	*	n	NotFnd	0.91	*		476	450	9.99			
PCB-199	*	*	n	NotFnd	0.95	*		476	450	9.49			
PCB-203	2.27e+04	0.92	y	47:56	1.01	22.0		-	-	*		Co-elute PCB 196	
PCB-196	2.27e+04	0.92	y	47:56	1.01	22.0		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.02e+07	0.96	y	44:48	0.68	6270					62.7	1.24e+06	1.31e+06
13C-PCB-178	1.27e+07	1.09	y	42:20	0.70	7530					75.3	1.47e+06	1.35e+06
13C-PCB-138	2.40e+07	1.31	y	41:32	-	60.8							
PCB-195	*	*	n	NotFnd	0.85	*		890	1110	6.97			
PCB-194	4.80e+04	0.90	y	49:49	0.94	18.6	J	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*		890	1110	5.29			
13C-PCB-205	2.75e+07	0.90	y	50:05	1.22	9850					98.5	3.94e+06	4.49e+06
PCB-208	*	*	n	NotFnd	1.11	*		764	972	5.16			
13C-PCB-208	2.17e+07	0.82	y	49:08	0.98	9680					96.8	3.47e+06	4.13e+06
PCB-207	8.62e+04	1.36	y	49:26	1.26	36.4		-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*		764	972	7.60			
13C-PCB-206	1.57e+07	0.84	y	51:15	0.75	9180					91.8	2.21e+06	2.73e+06
PCB-209	1.05e+05	1.32	y	52:27	1.22	58.5		-	-	*			
13C-PCB-209	1.47e+07	1.22	y	52:26	0.80	8060					80.6	2.30e+06	1.95e+06
13C-PCB-194	2.28e+07	0.91	y	49:49	-	54.8							

Analyst: _____ Date: 10/28/20

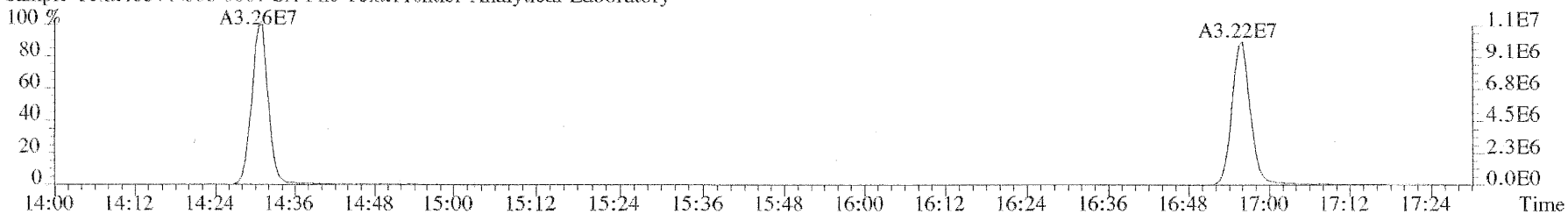
File:20OCT20Z #1-784 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



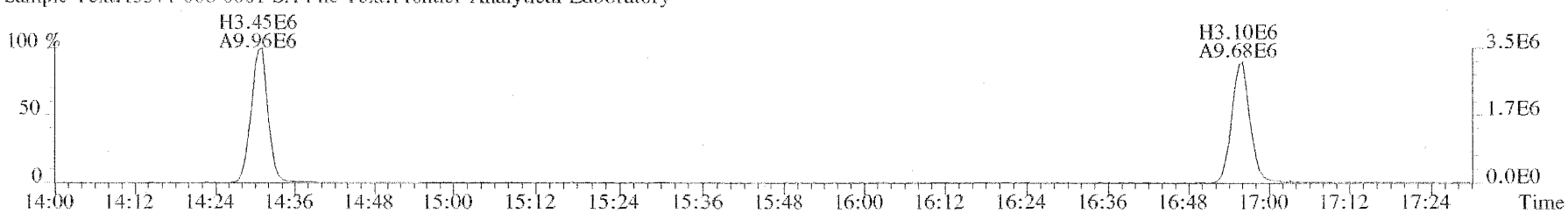
File:20OCT20Z #1-784 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



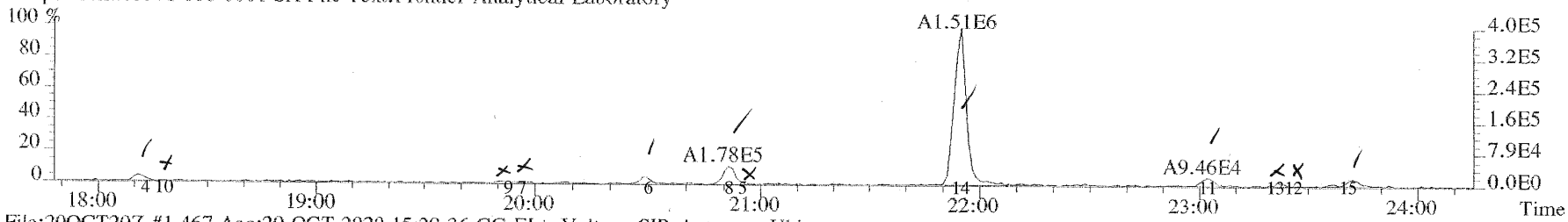
File:20OCT20Z #1-784 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



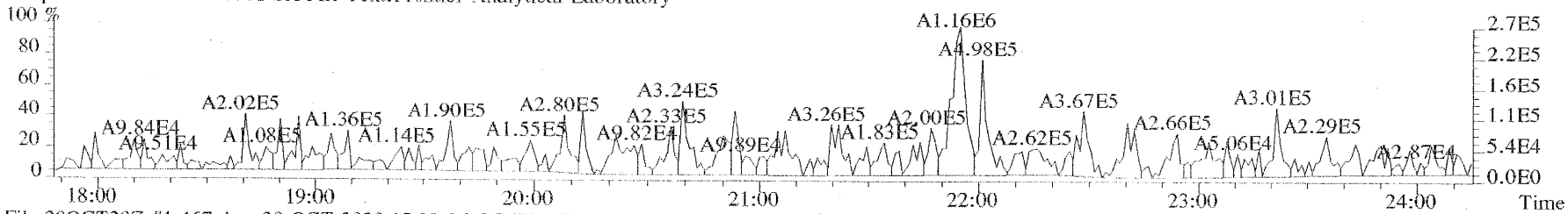
File:20OCT20Z #1-784 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



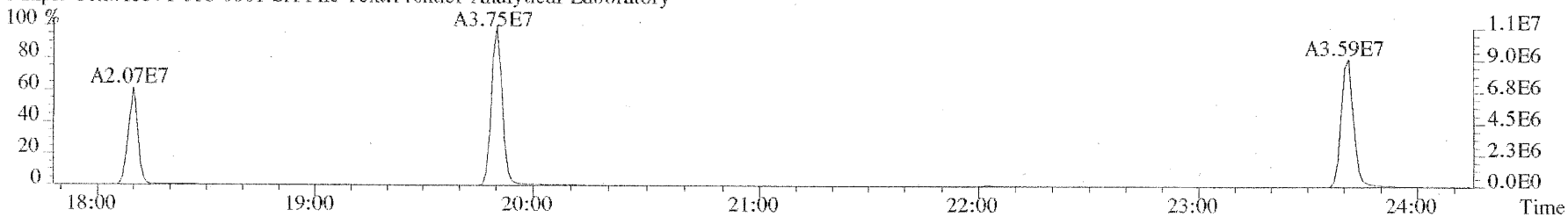
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



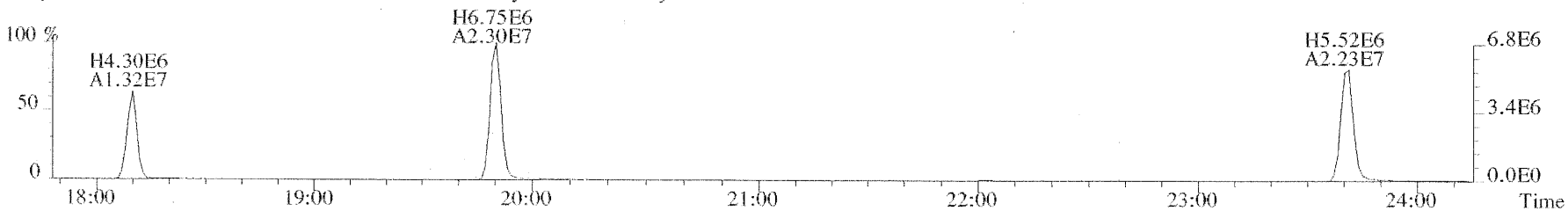
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



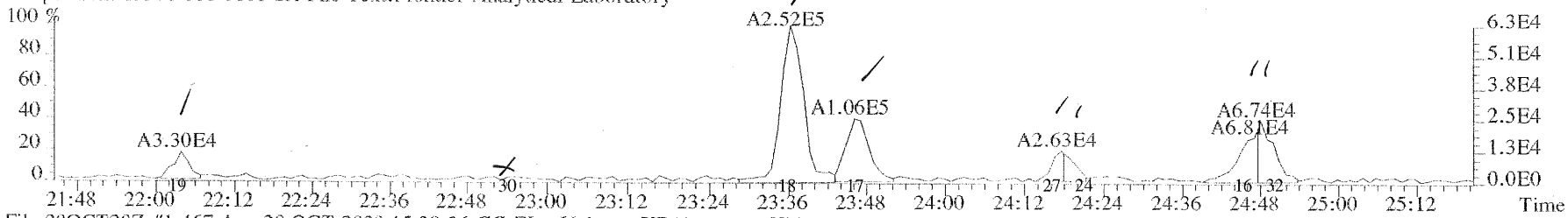
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



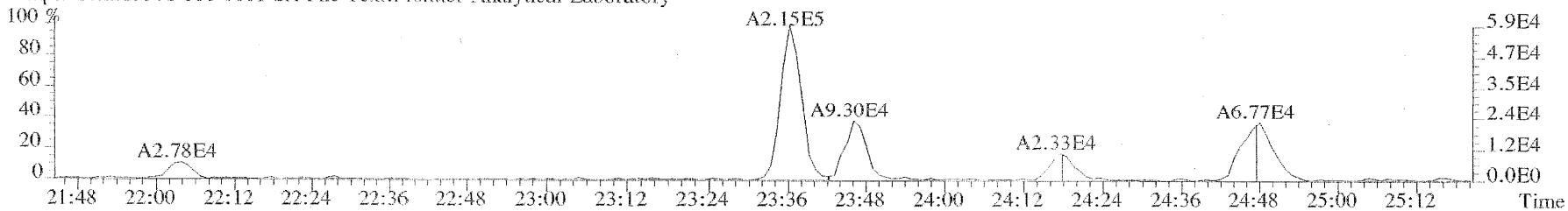
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



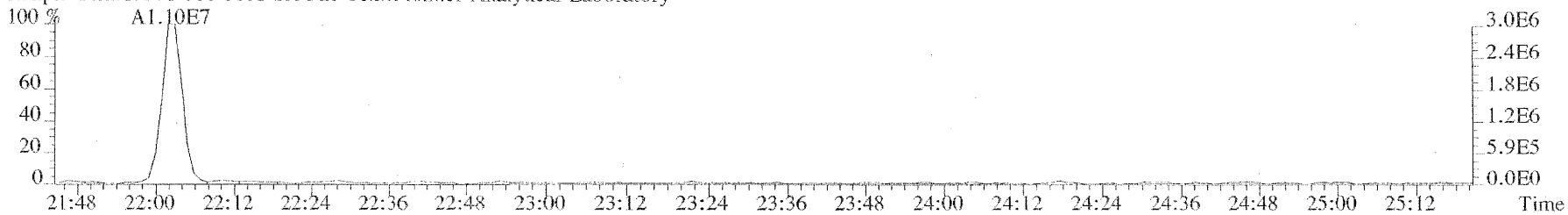
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



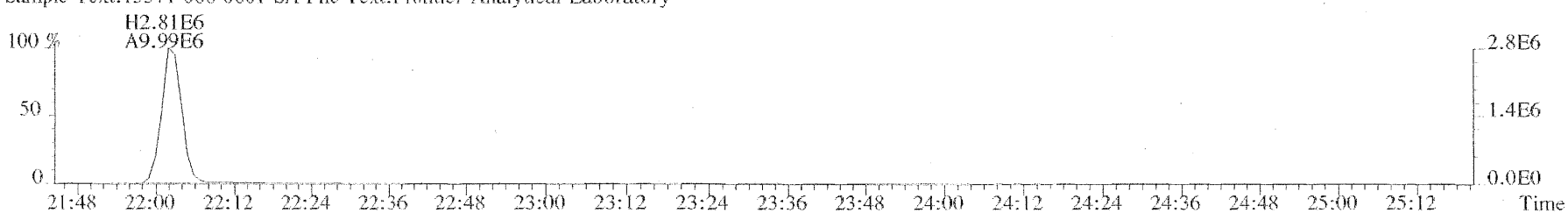
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



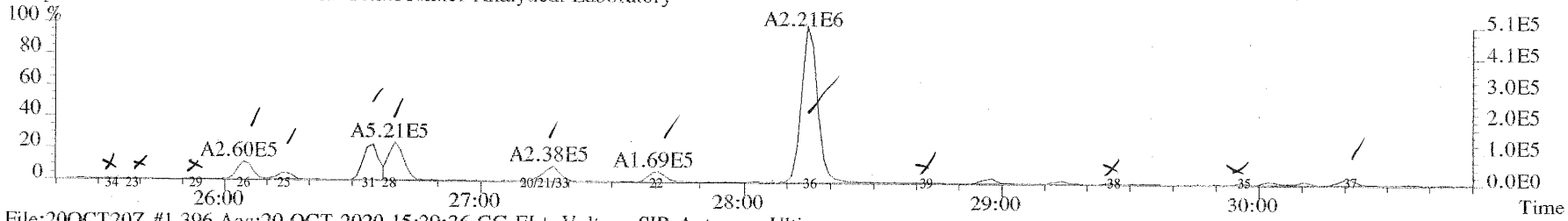
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



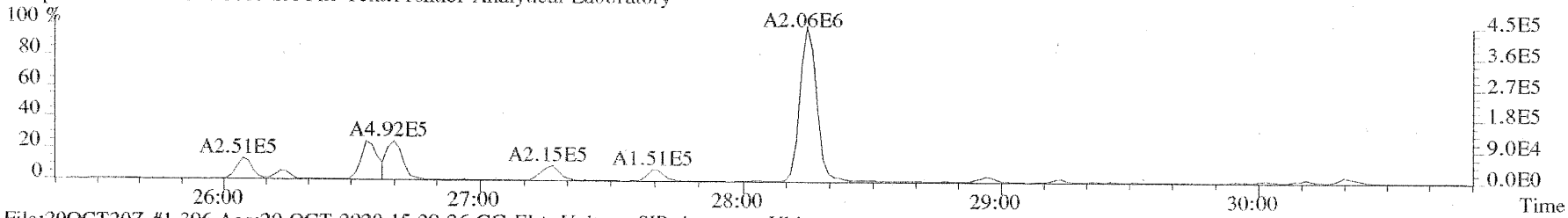
File:20OCT20Z #1-467 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



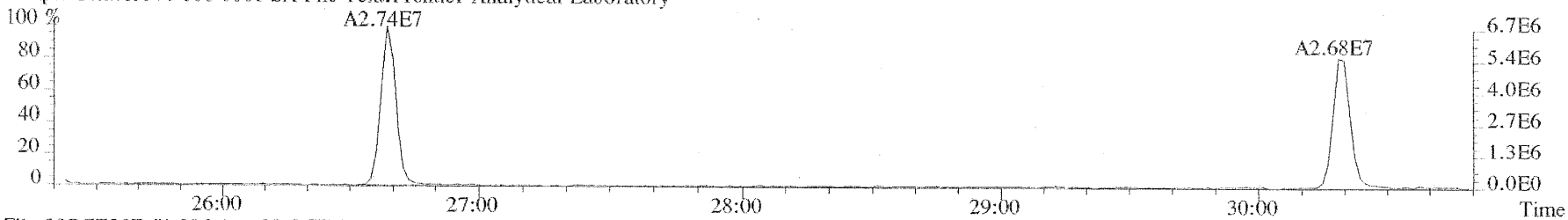
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



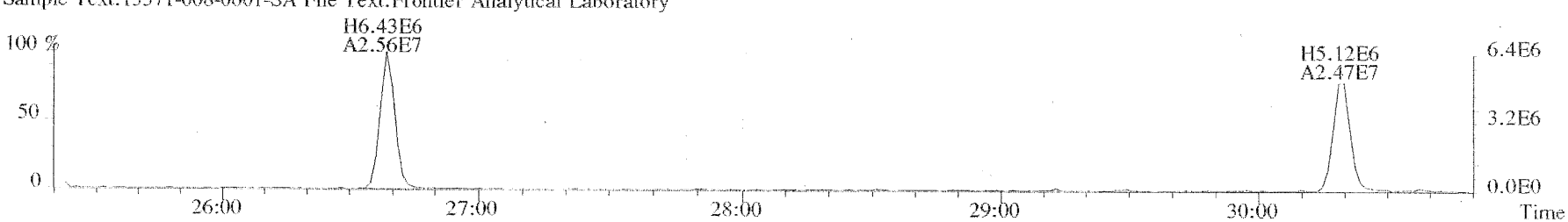
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



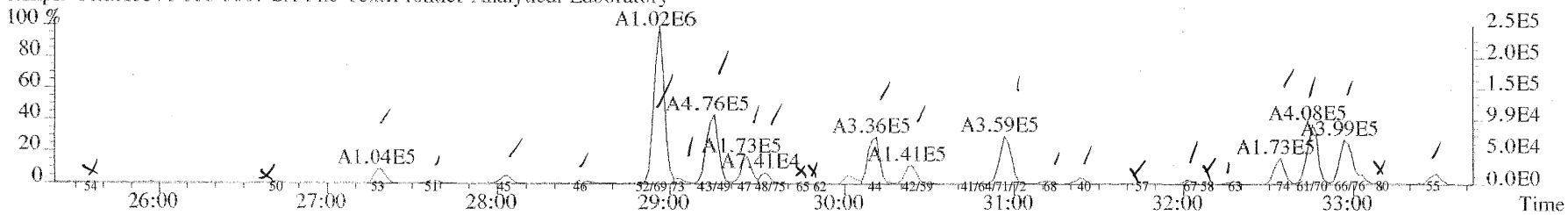
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



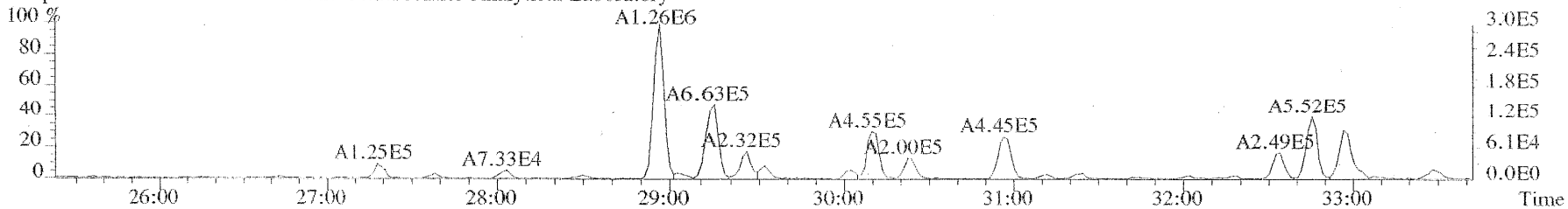
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



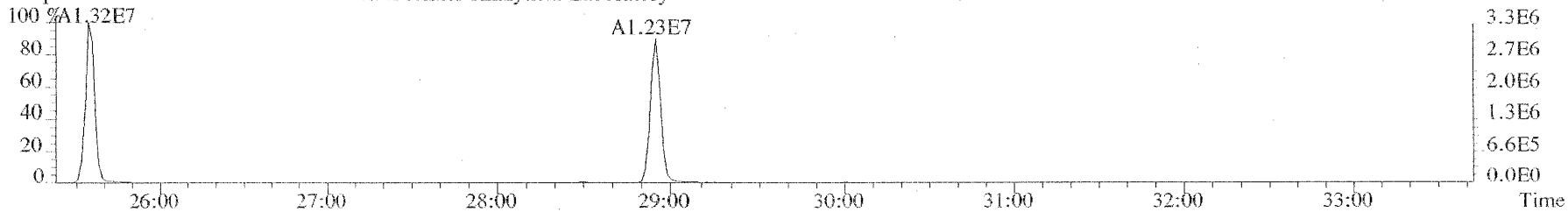
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



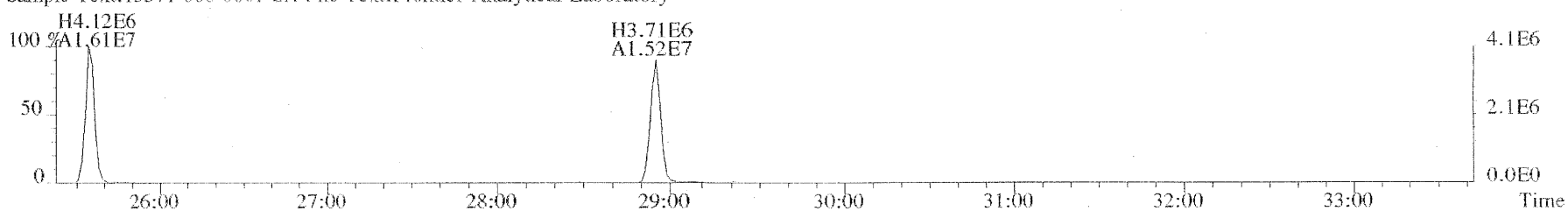
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



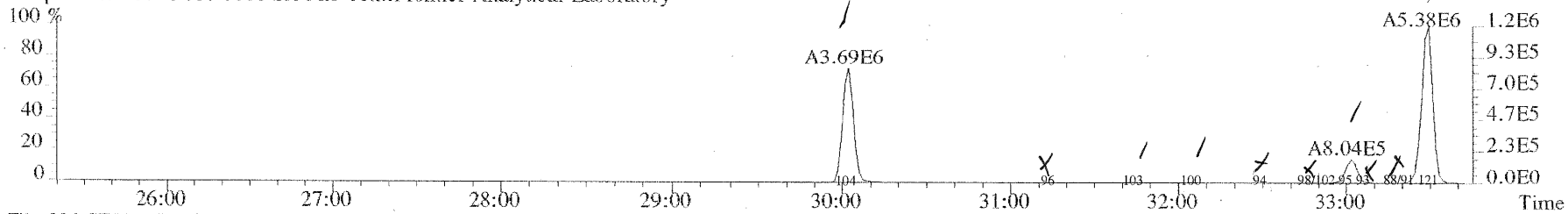
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



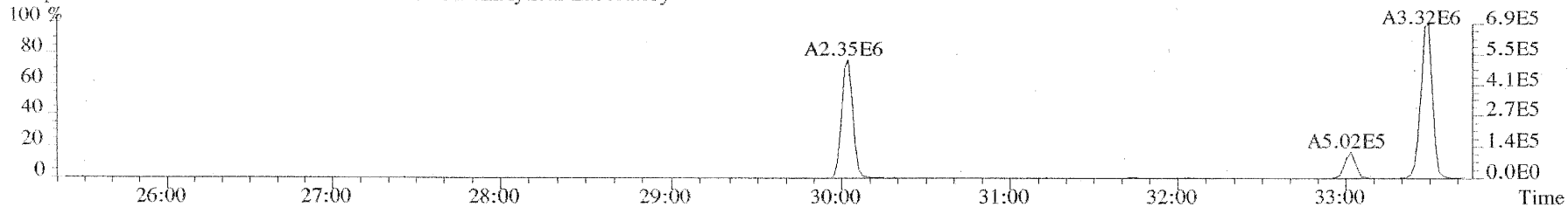
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



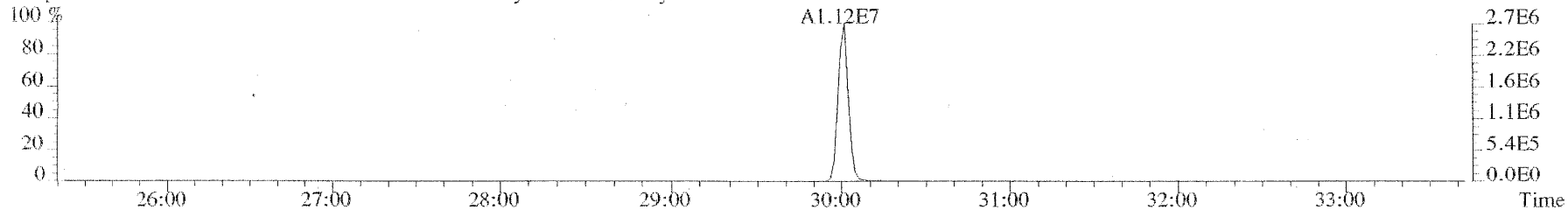
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



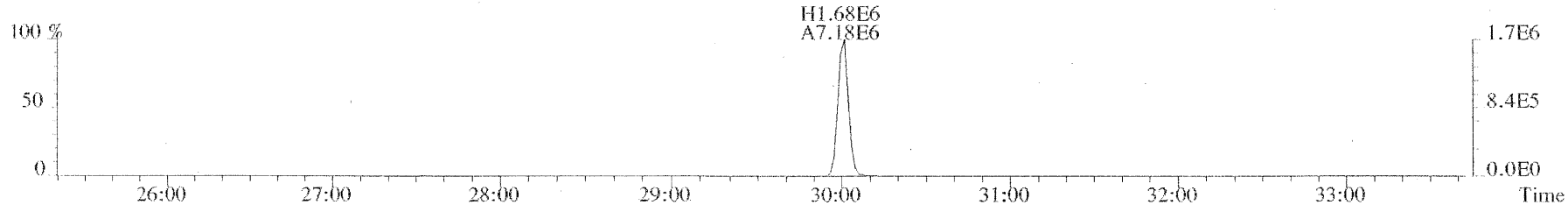
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



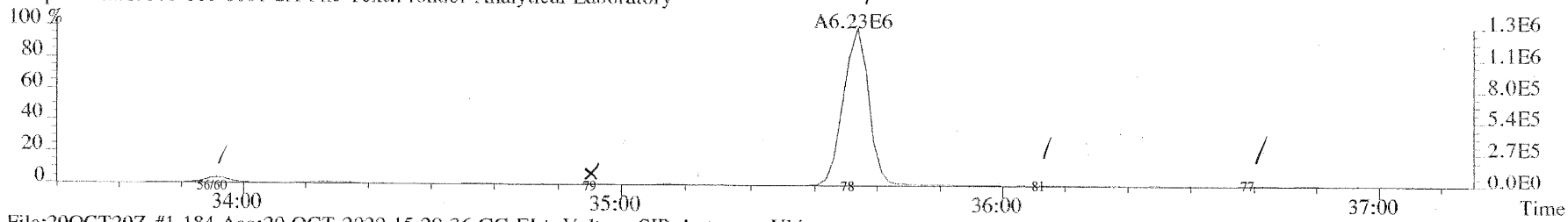
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



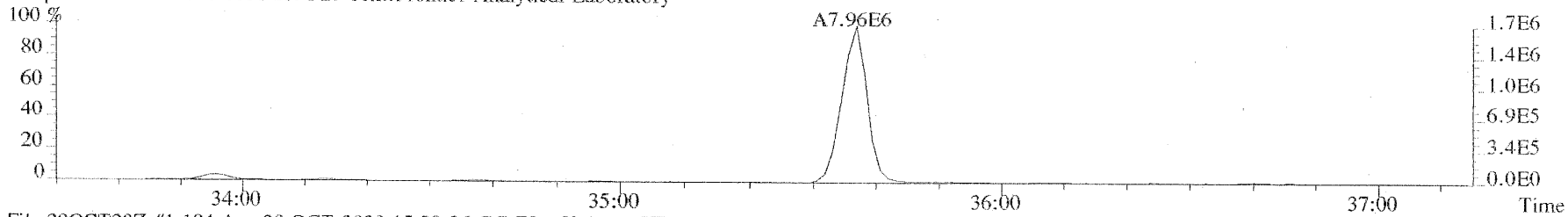
File:20OCT20Z #1-396 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



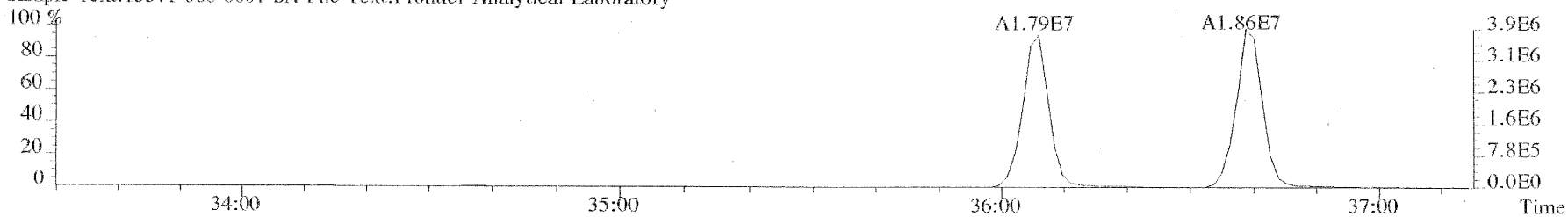
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



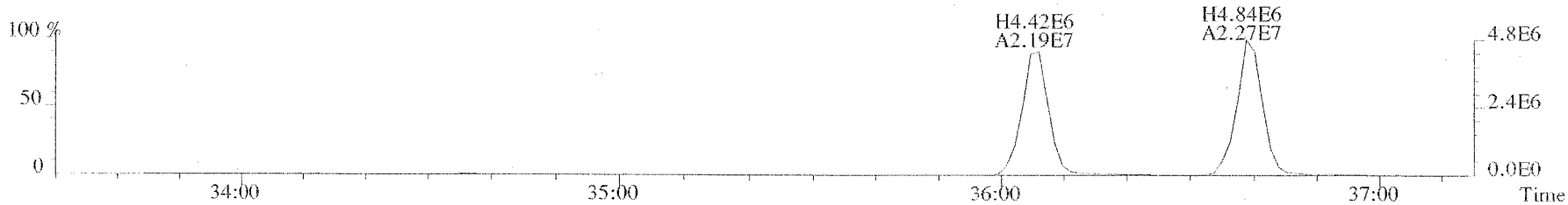
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



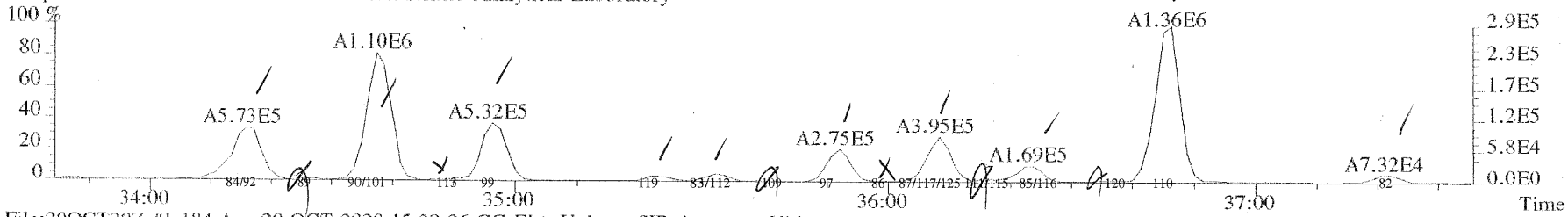
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



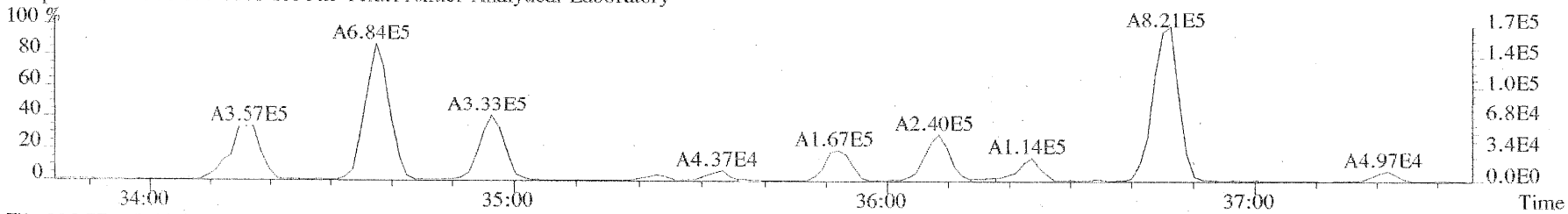
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



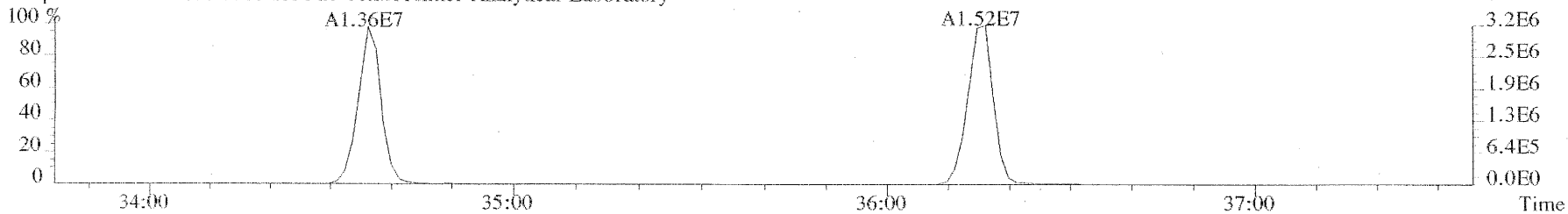
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



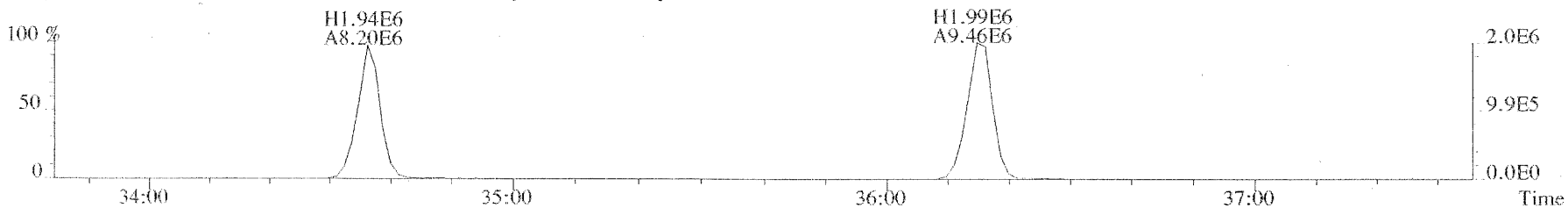
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



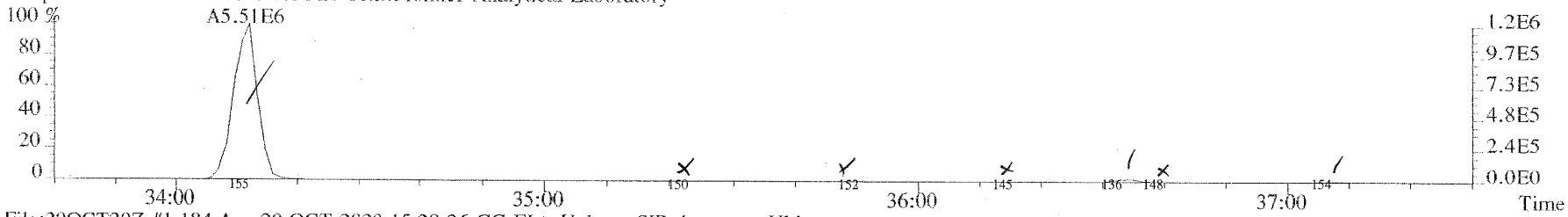
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



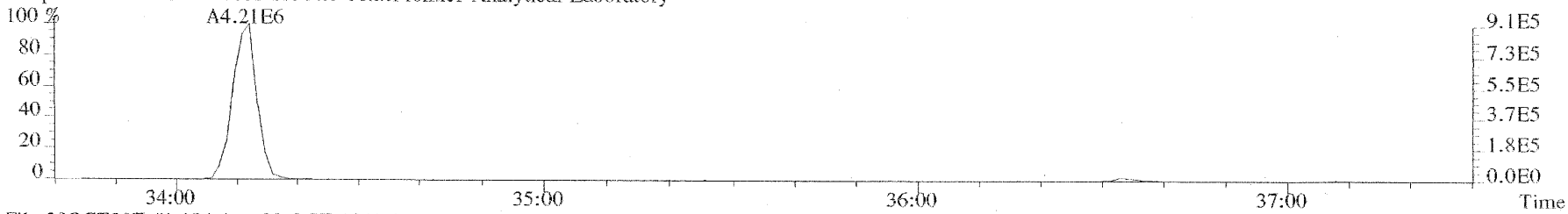
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



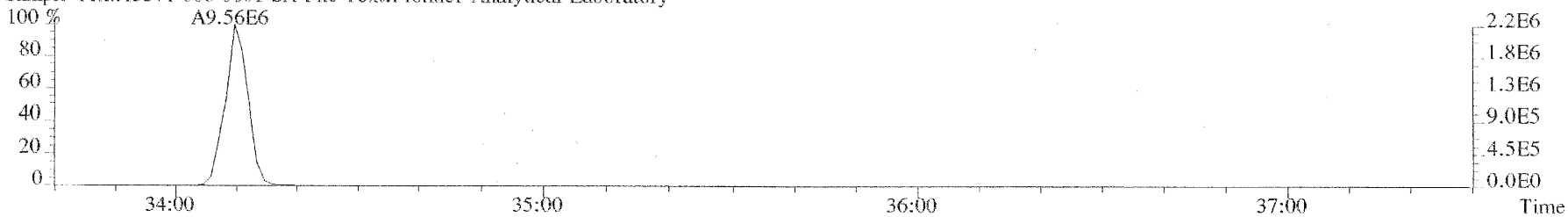
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



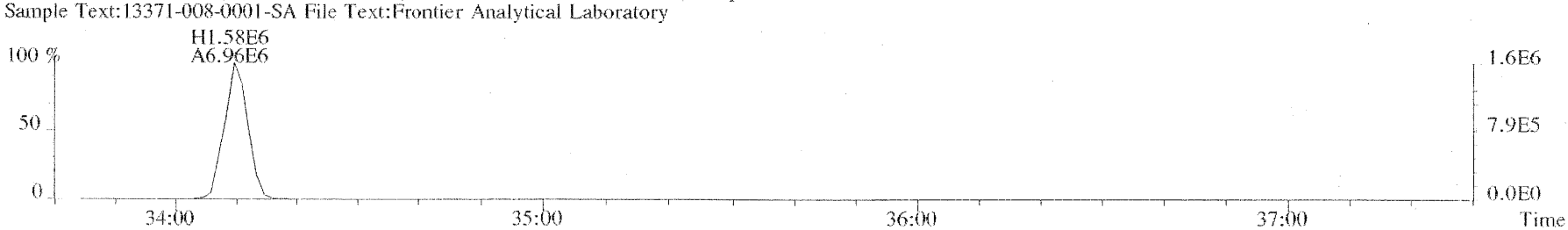
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



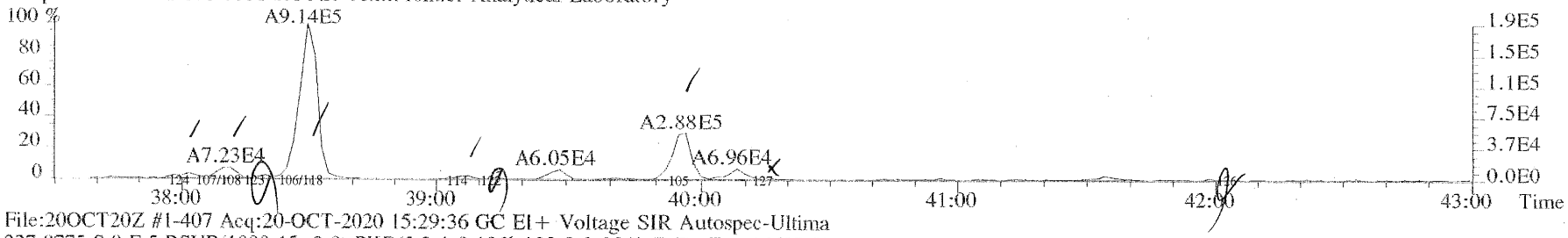
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



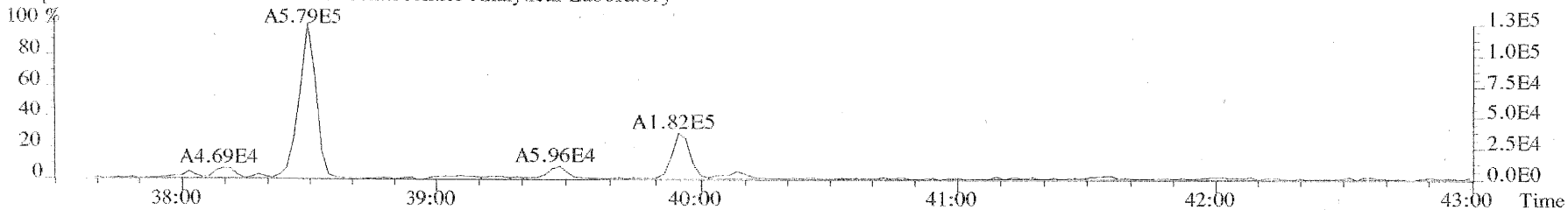
File:20OCT20Z #1-184 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



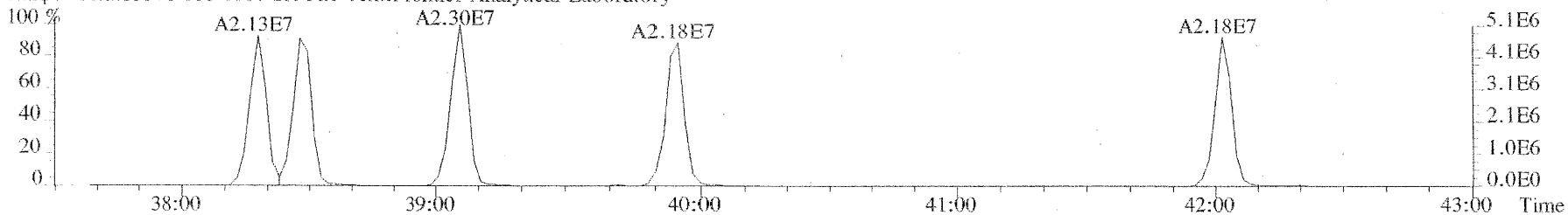
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



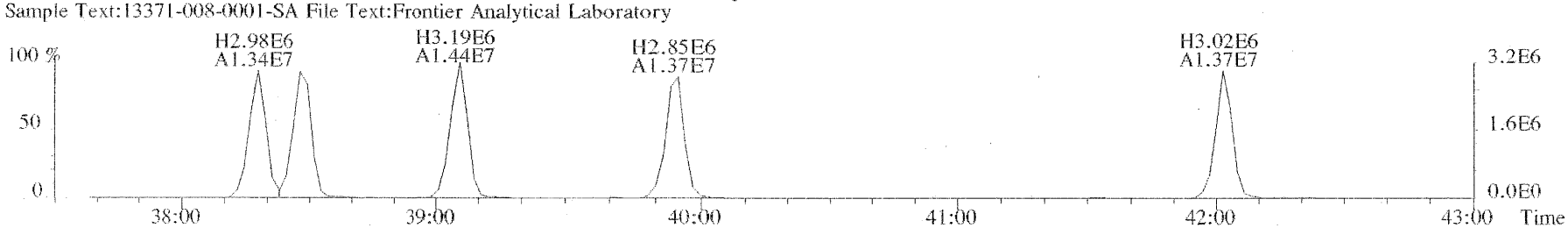
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



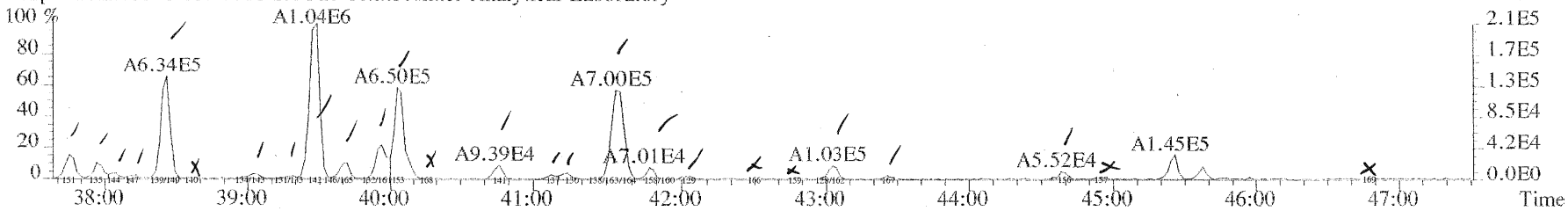
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



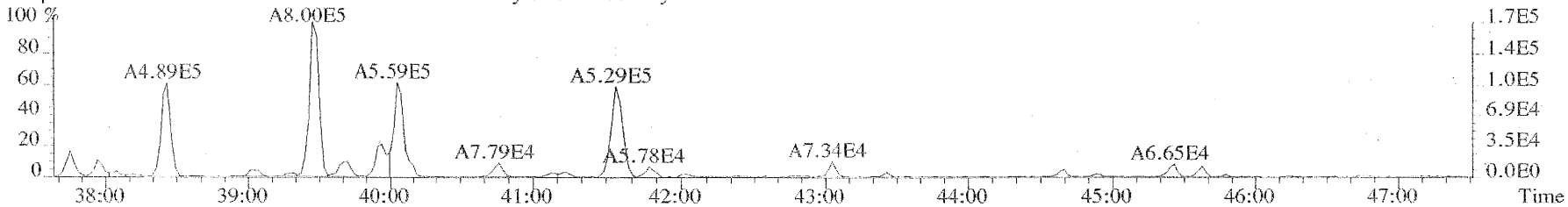
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



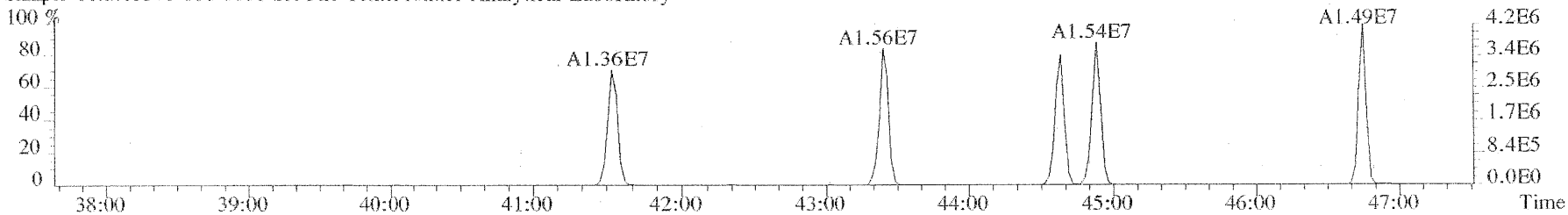
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



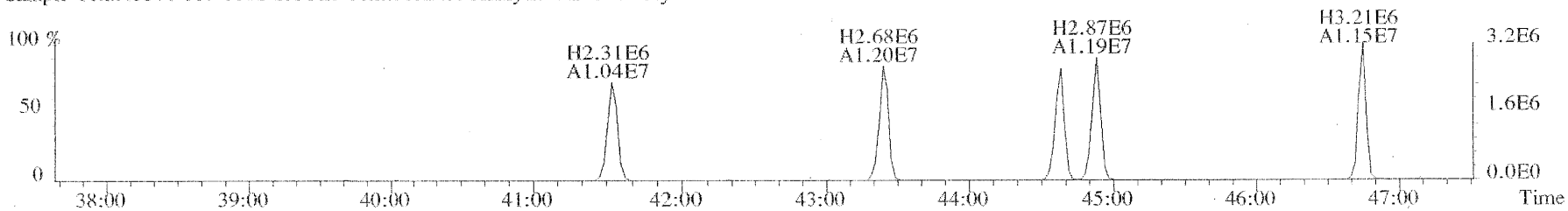
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



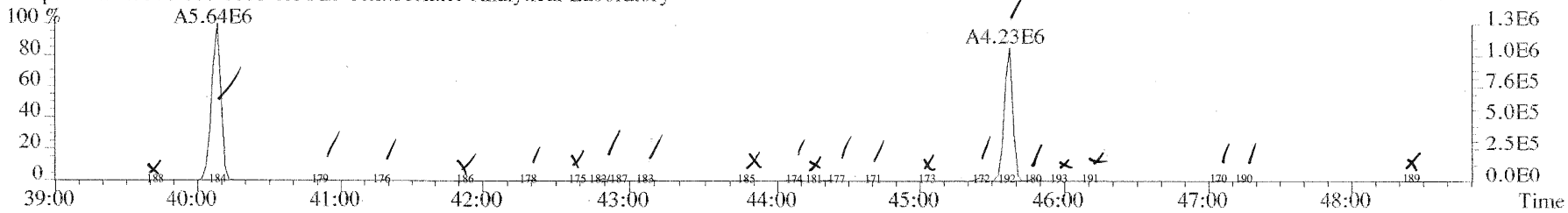
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



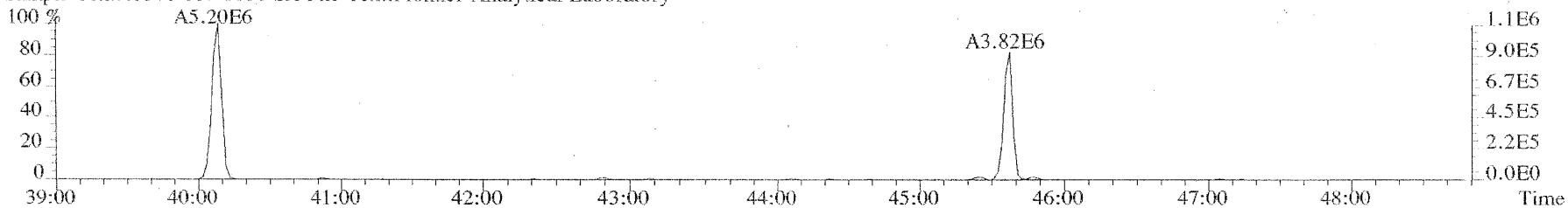
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



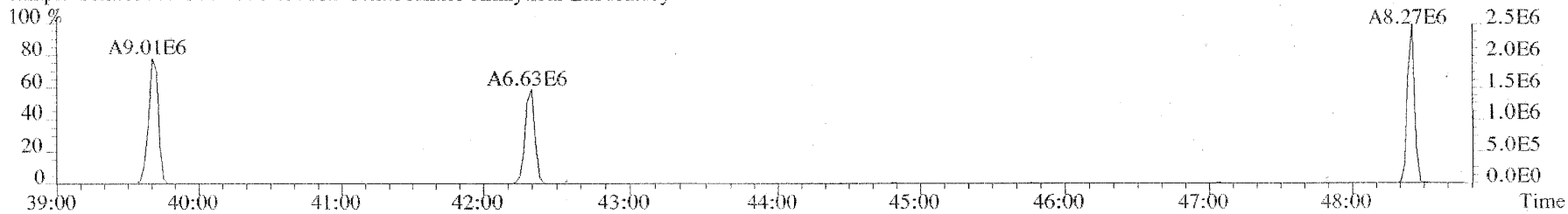
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



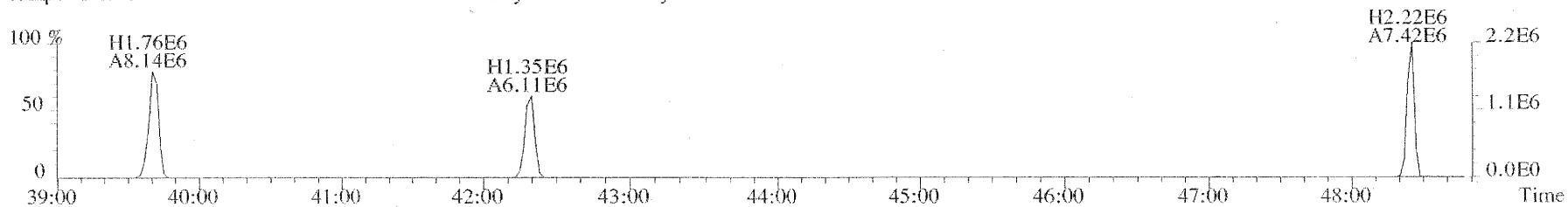
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



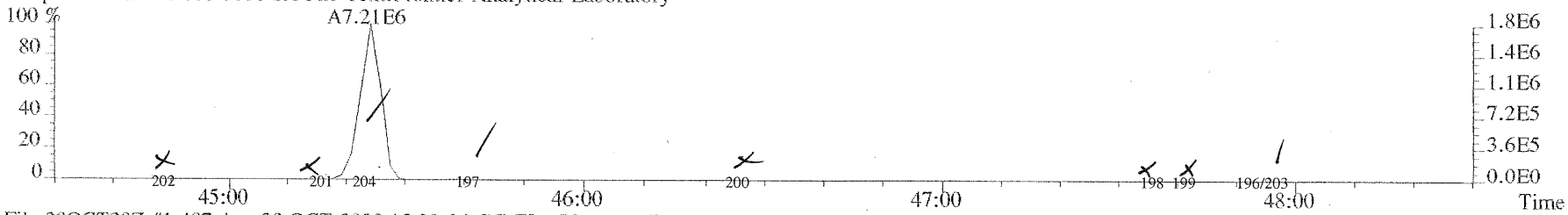
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



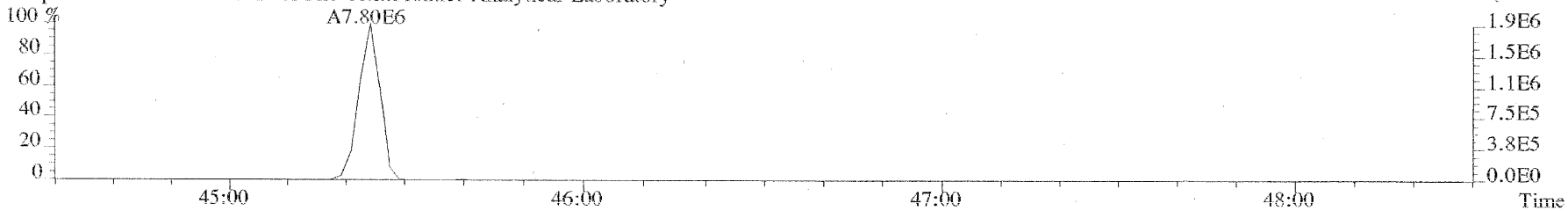
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



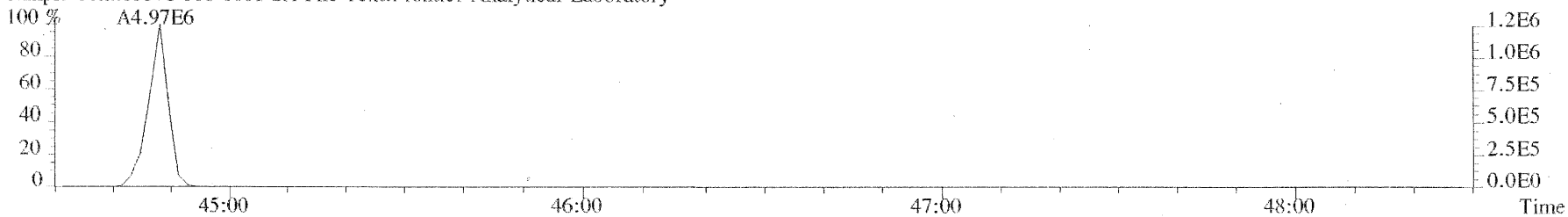
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



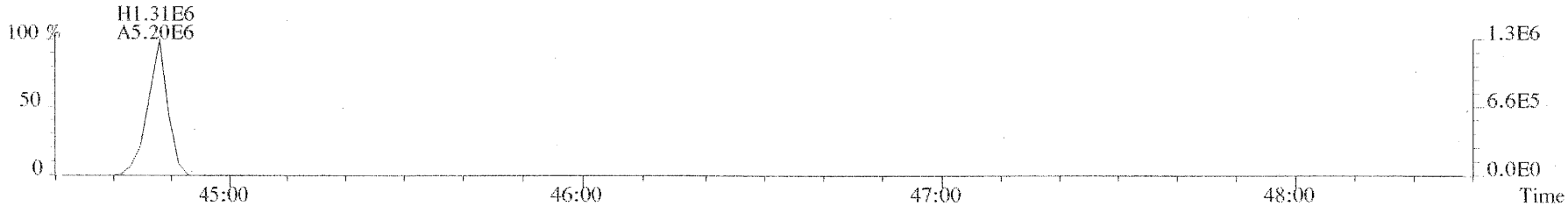
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



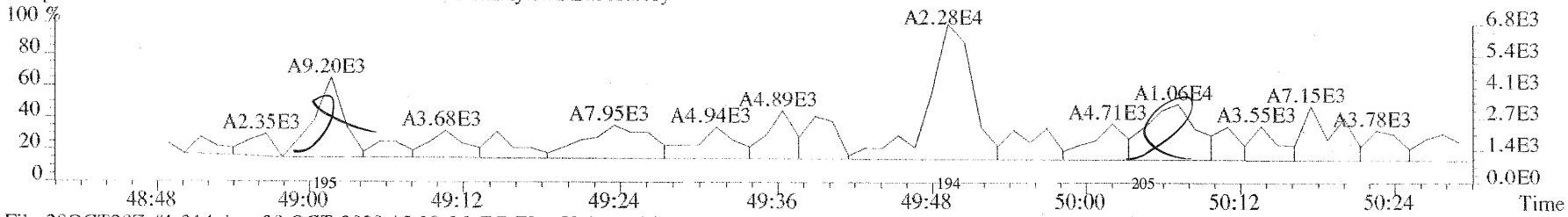
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



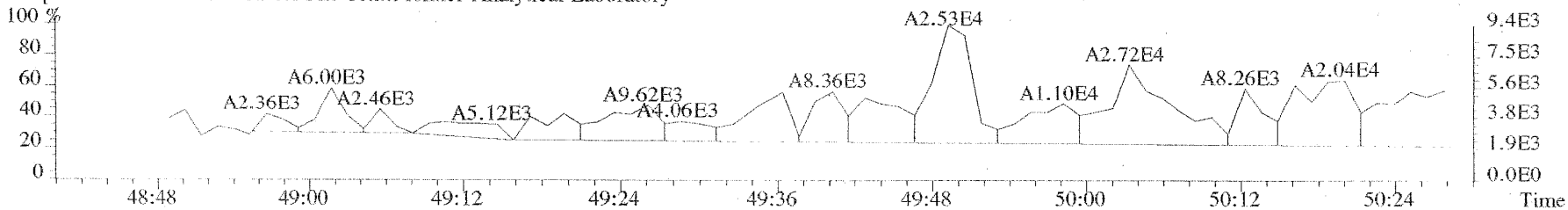
File:20OCT20Z #1-407 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



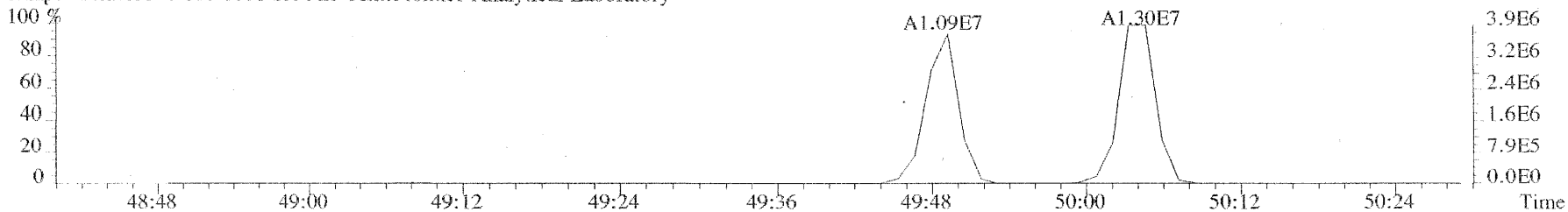
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



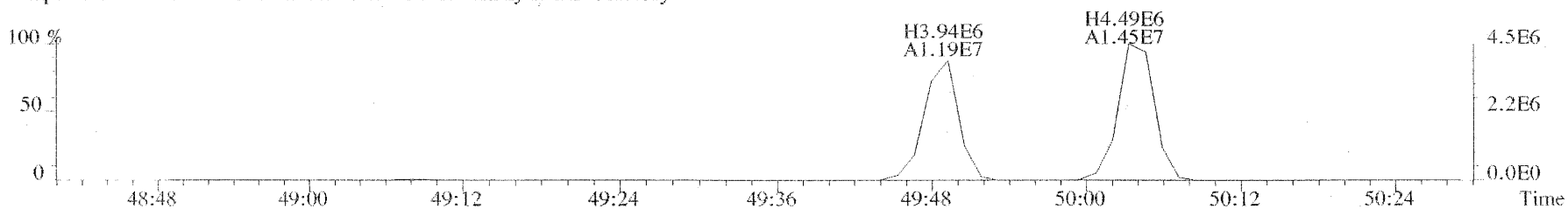
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



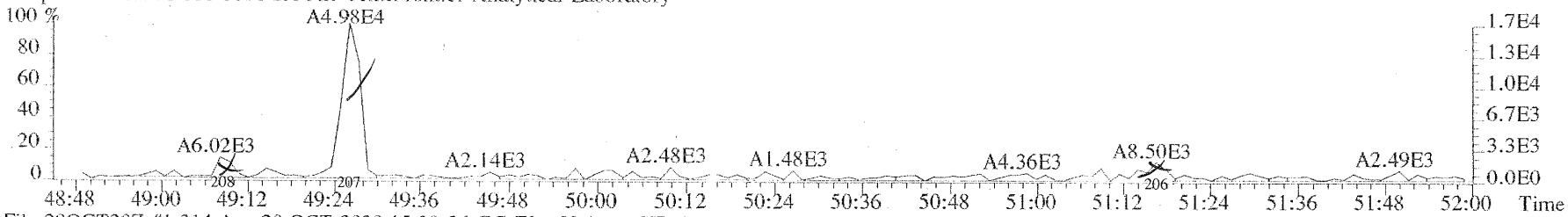
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



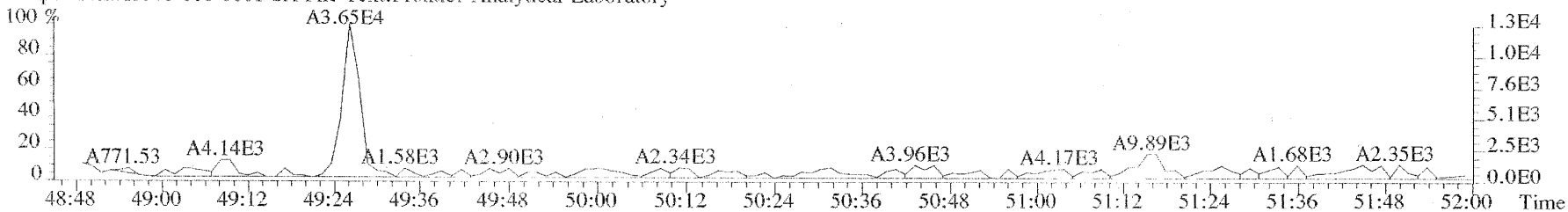
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



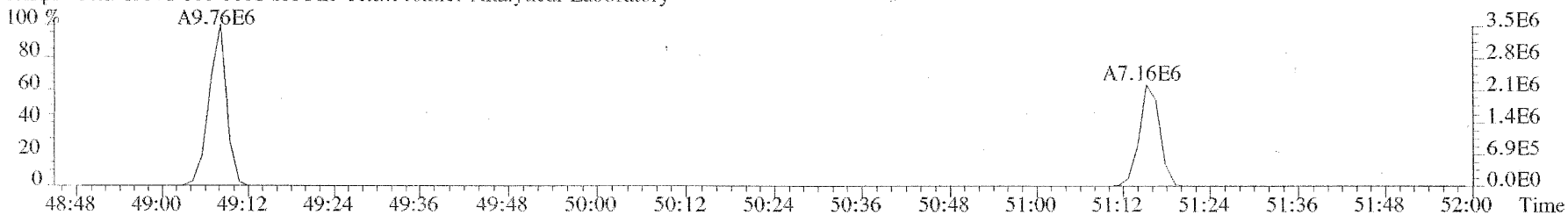
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



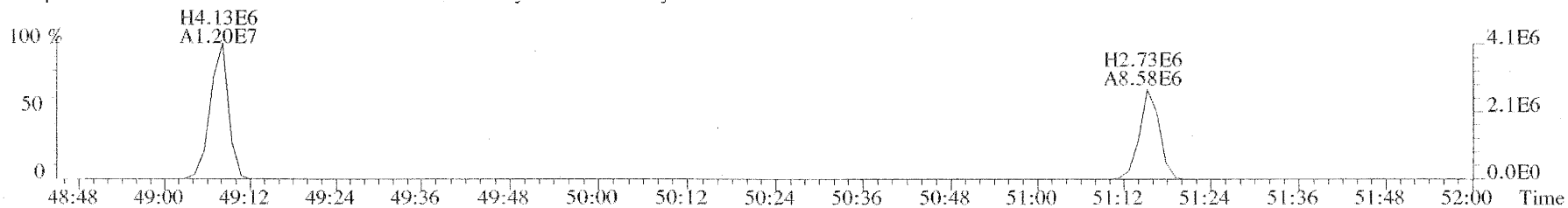
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



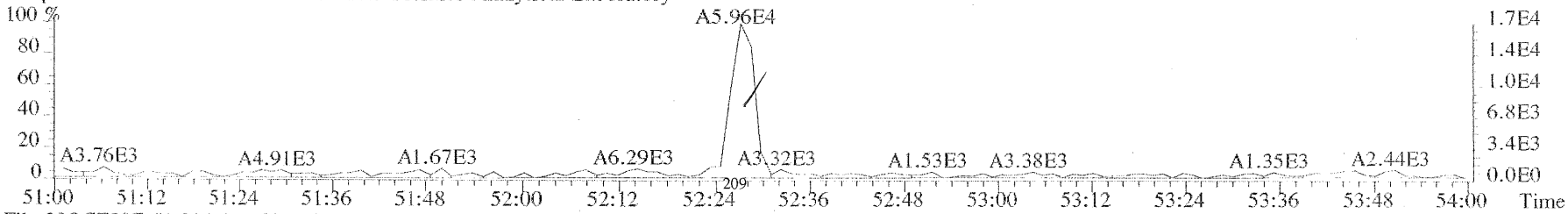
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



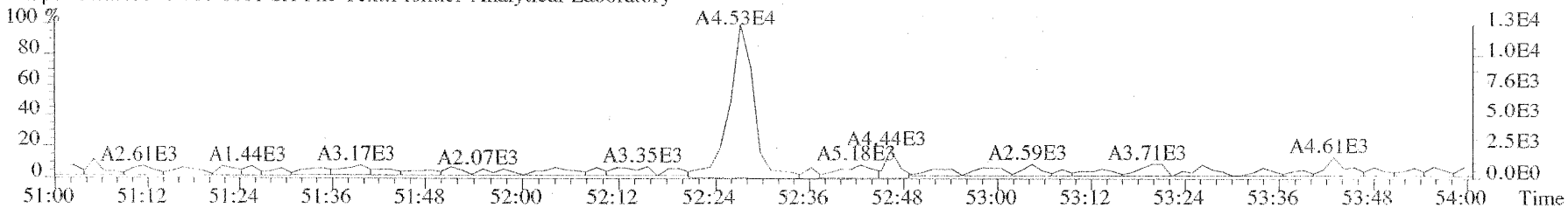
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



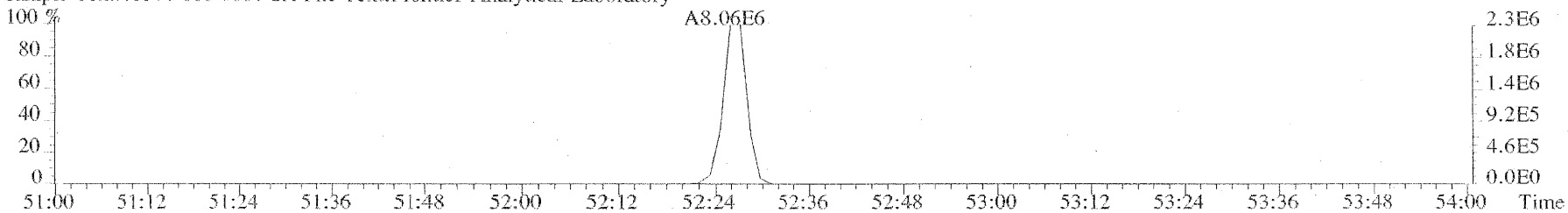
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



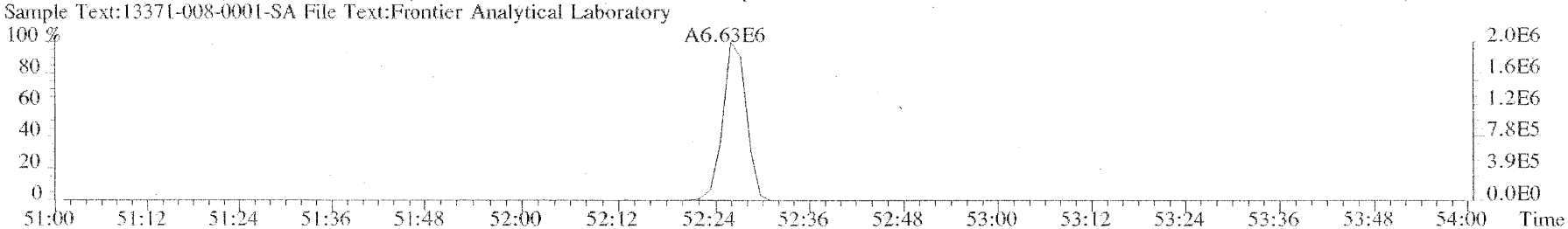
File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 15:29:36 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-008-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-009-0001-SA Filename: 20OCT20Z Sam:9 Acquired: 20-OCT-20 16:27:57 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR-CC-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1320	1360	7.03			
13C-PCB-1	2.18e+07	3.19 y	14:30	0.87	7220					72.2	5.51e+06	1.71e+06
PCB-2	*	* n	NotFnd	1.31	*		1320	1360	7.41			
PCB-3	*	* n	NotFnd	1.32	*		1320	1360	7.71			
13C-PCB-3	2.18e+07	3.30 y	16:55	0.82	7590					75.9	5.16e+06	1.51e+06
PCB-4	7.89e+04	1.54 y	18:11	1.06	42.6		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		860	3020	11.3			
13C-PCB-4	1.76e+07	1.60 y	18:10	0.65	7740					77.4	3.22e+06	1.99e+06
PCB-9	*	* n	NotFnd	1.28	*		860	3020	11.4			
PCB-7	*	* n	NotFnd	1.33	*		860	3020	11.0			
PCB-6	9.34e+04	1.52 y	20:30	1.42	27.0		-	-	*			
PCB-8	1.63e+05	1.50 y	20:52	1.27	52.8		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		860	3020	11.9			
PCB-14	1.10e+06	1.49 y	21:56	1.28	353		-	-	*			
PCB-11	9.42e+04	1.51 y	23:04	1.23	31.4		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		860	3020	12.0			
PCB-12	*	* n	NotFnd	1.25	*		860	3020	11.8			
PCB-15	9.71e+04	1.53 y	23:42	1.12	27.7		-	-	*			
13C-PCB-15	3.12e+07	1.61 y	23:42	1.02	8830					88.3	4.82e+06	3.00e+06
PCB-19	4.41e+04	1.18 y	22:06	1.27	33.3		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1390	600	10.4			
PCB-18	2.81e+05	1.11 y	23:37	1.28	210		-	-	*			
PCB-17	1.29e+05	1.15 y	23:48	1.42	86.8		-	-	*			
PCB-27	3.00e+04	1.00 y	24:18	1.89	15.2	J	-	-	*			
PCB-24	3.82e+04	1.04 y	24:19	1.83	20.0		-	-	*			
PCB-16	7.04e+04	1.11 y	24:48	1.61	41.9		-	-	*			
PCB-32	1.06e+05	1.16 y	24:50	1.67	61.1		-	-	*			
13C-PCB-19	1.04e+07	1.17 y	22:03	0.42	7170					71.7	1.32e+06	1.20e+06
13C-PCB-9	3.48e+07	1.63 y	19:50	-	47.6							
PCB-34	*	* n	NotFnd	1.07	*		1120	1030	9.27			
PCB-23	*	* n	NotFnd	1.13	*		1120	1030	8.81			
PCB-29	*	* n	NotFnd	1.09	*		1120	1030	9.08			
PCB-26	3.38e+05	1.07 y	26:06	1.07	120		-	-	*			
PCB-25	1.60e+05	1.19 y	26:16	1.06	57.6		-	-	*			
PCB-31	6.04e+05	1.06 y	26:36	1.32	174		-	-	*			
PCB-28	6.48e+05	1.10 y	26:41	1.32	187		-	-	*			
PCB-20	3.04e+05	0.98 y	27:18	1.08	107		-	-	*		Co-elute PCB 21/33	
PCB-21	3.04e+05	0.98 y	27:18	1.08	107		-	-	*		Co-elute PCB 20/33	
PCB-33	3.04e+05	0.98 y	27:18	1.08	107		-	-	*		Co-elute PCB 20/21	
PCB-22	2.01e+05	1.14 y	27:40	1.20	63.7		-	-	*			
PCB-36	1.92e+06	1.09 y	28:17	1.13	647		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1120	1030	8.77			
PCB-38	*	* n	NotFnd	1.08	*		1120	1030	9.16			
PCB-35	*	* n	NotFnd	1.10	*		1120	1030	9.06			
PCB-37	1.70e+05	1.02 y	30:22	1.14	57.0		-	-	*			
13C-PCB-37	2.63e+07	1.07 y	30:21	1.64	9970					99.7	2.81e+06	2.61e+06

PCB-54	*	*	n	NotFnd	1.36	*		630	840	7.03		
PCB-50	*	*	n	NotFnd	1.06	*		630	840	9.00		
PCB-53	1.45e+05	0.83	y	27:20	1.04	94.1		-	-	*		
PCB-51	4.41e+04	0.68	y	27:39	1.10	27.1		-	-	*		
PCB-45	9.77e+04	0.76	y	28:04	0.92	72.0		-	-	*		
PCB-46	4.11e+04	0.75	y	28:32	0.88	31.4		-	-	*		
PCB-52	1.41e+06	0.76	y	28:58	1.15	827		-	-	*		Co-elute PCB 69
PCB-69	1.41e+06	0.76	y	28:58	1.15	827		-	-	*		Co-elute PCB 52
PCB-73	4.97e+04	0.70	y	29:04	1.32	25.5		-	-	*		
PCB-43	7.60e+05	0.83	y	29:15	0.99	516		-	-	*		Co-elute PCB 49
PCB-49	7.60e+05	0.83	y	29:15	0.99	516		-	-	*		Co-elute PCB 43
PCB-47	2.64e+05	0.81	y	29:27	1.01	176		-	-	*		
PCB-48	1.18e+05	0.74	y	29:34	1.31	60.3		-	-	*		Co-elute PCB 75
PCB-75	1.18e+05	0.74	y	29:34	1.31	60.3		-	-	*		Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.33	*		630	840	7.20		
PCB-62	*	*	n	NotFnd	1.28	*		630	840	7.48		
PCB-44	5.38e+05	0.75	y	30:12	0.87	419		-	-	*		
PCB-42	2.18e+05	0.82	y	30:25	1.14	129		-	-	*		Co-elute PCB 59
PCB-59	2.18e+05	0.82	y	30:25	1.14	129		-	-	*		Co-elute PCB 42
PCB-72	4.78e+05	0.81	y	30:59	1.28	252		-	-	*		Co-elute PCB 41/71/64
PCB-41	4.78e+05	0.81	y	30:59	1.28	252		-	-	*		Co-elute PCB 72/71/64
PCB-71	4.78e+05	0.81	y	30:59	1.28	252		-	-	*		Co-elute PCB 72/41/64
PCB-64	4.78e+05	0.81	y	30:59	1.28	252		-	-	*		Co-elute PCB 72/41/71
PCB-68	4.21e+04	0.79	y	31:13	1.49	19.1	J	-	-	*		
PCB-40	6.91e+04	0.72	y	31:24	0.81	57.4		-	-	*		
PCB-57	*	*	n	NotFnd	1.41	*		630	840	6.78		
PCB-67	4.44e+04	0.88	y	32:03	1.42	21.1		-	-	*		
PCB-58	*	*	n	NotFnd	1.39	*		630	840	6.90		
PCB-63	3.69e+04	0.81	y	32:19	1.40	17.8	J	-	-	*		
PCB-74	2.56e+05	0.72	y	32:35	1.42	122		-	-	*		
PCB-61	6.00e+05	0.77	y	32:46	1.28	316		-	-	*		Co-elute PCB 70
PCB-70	6.00e+05	0.77	y	32:46	1.28	316		-	-	*		Co-elute PCB 61
PCB-76	5.56e+05	0.81	y	32:59	1.49	253		-	-	*		Co-elute PCB 66
PCB-66	5.56e+05	0.81	y	32:59	1.49	253		-	-	*		Co-elute PCB 76
PCB-80	2.90e+04	0.82	y	33:10	1.69	11.6	J	-	-	*		
PCB-55	1.27e+05	0.86	y	33:32	1.49	57.6		-	-	*		
13C-PCB-54	1.48e+07	0.83	y	25:35	1.13	8170					81.7	1.72e+06 2.13e+06
PCB-104	2.92e+06	1.53	y	30:03	1.18	2650		-	-	*		
PCB-96	*	*	n	NotFnd	1.15	*		384	428	8.21		
PCB-103	*	*	n	NotFnd	0.95	*		384	428	9.90		
PCB-100	*	*	n	NotFnd	0.96	*		384	428	9.85		
PCB-94	*	*	n	NotFnd	0.79	*		384	428	11.8		
PCB-98	*	*	n	NotFnd	0.86	*		384	428	10.9		Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.86	*		384	428	10.9		Co-elute PCB 98
PCB-95	7.72e+05	1.60	y	33:03	0.83	991		-	-	*		
PCB-93	*	*	n	NotFnd	0.83	*		384	428	11.3		
PCB-88	*	*	n	NotFnd	0.87	*		384	428	10.8		Co-elute PCB 91
PCB-91	*	*	n	NotFnd	0.87	*		384	428	10.8		Co-elute PCB 88
PCB-121	3.97e+06	1.59	y	33:31	1.18	3600		-	-	*		
13C-PCB-104	9.34e+06	1.63	y	30:02	0.90	6470					64.7	1.36e+06 8.09e+05
13C-PCB-28	3.09e+07	1.06	y	26:40	1.90	10100					101	3.65e+06 3.45e+06
13C-PCB-52	1.61e+07	0.80	y	28:56	-	40.5						

PCB-56	3.06e+05	0.84	y	33:57	1.10	128	-	-	*		Co-elute PCB 60	
PCB-60	3.06e+05	0.84	y	33:57	1.10	128	-	-	*		Co-elute PCB 56	
PCB-79	*	*	n	NotFnd	1.25	*	850	1250	9.57			
PCB-78	6.53e+06	0.80	y	35:38	1.21	2490	-	-	*			
PCB-81	*	*	n	NotFnd	1.30	*	850	1250	9.76			
13C-PCB-81	2.12e+07	0.83	y	36:07	1.63	10500				105	1.87e+06	2.29e+06
PCB-77	*	*	n	NotFnd	1.16	*	850	1250	9.81			
13C-PCB-77	2.22e+07	0.82	y	36:41	1.71	10600				106	2.05e+06	2.60e+06
PCB-155	4.11e+06	1.35	y	34:13	1.22	4190	-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*	524	452	11.6			
PCB-152	*	*	n	NotFnd	1.19	*	524	452	11.8			
PCB-145	*	*	n	NotFnd	1.18	*	524	452	11.9			
PCB-136	1.04e+05	1.15	y	36:36	1.08	121	-	-	*			
PCB-148	*	*	n	NotFnd	1.02	*	524	452	13.8			
PCB-154	2.24e+04	1.29	y	37:09	1.05	26.6	-	-	*			
13C-PCB-155	8.00e+06	1.33	y	34:12	0.99	6590				65.9	1.02e+06	7.29e+05
13C-PCB-111	1.37e+07	1.62	y	36:17	1.27	8760				87.6	1.76e+06	1.03e+06
13C-PCB-101	1.23e+07	1.69	y	34:39	-	35.1						
PCB-84	5.30e+05	1.68	y	34:18	0.70	403	-	-	*		Co-elute PCB 92	
PCB-92	5.30e+05	1.68	y	34:18	0.70	403	-	-	*		Co-elute PCB 84	
PCB-89	*	*	n	NotFnd	0.69	*	860	788	16.1			
PCB-90	1.05e+06	1.58	y	34:40	0.79	708	-	-	*		Co-elute PCB 101	
PCB-101	1.05e+06	1.58	y	34:40	0.79	708	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.92	*	860	788	12.0			
PCB-99	5.00e+05	1.66	y	34:59	0.84	318	-	-	*			
PCB-119	4.94e+04	1.60	y	35:25	1.01	26.1	-	-	*			
PCB-83	6.42e+04	1.77	y	35:34	0.80	42.8	-	-	*		Co-elute PCB 112	
PCB-112	6.42e+04	1.77	y	35:34	0.80	42.8	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.97	*	860	788	11.4			
PCB-97	2.60e+05	1.66	y	35:53	0.67	209	-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*	860	788	16.2			
PCB-125	3.69e+05	1.66	y	36:10	0.91	218	-	-	*		Co-elute PCB 87/117	
PCB-87	3.69e+05	1.66	y	36:10	0.91	218	-	-	*		Co-elute PCB 125/117	
PCB-117	3.69e+05	1.66	y	36:10	0.91	218	-	-	*		Co-elute PCB 125/87	
PCB-111	*	*	n	NotFnd	0.98	*	860	788	11.3		Co-elute PCB 115	
PCB-115	*	*	n	NotFnd	0.98	*	860	788	11.3		Co-elute PCB 111	
PCB-85	1.77e+05	1.70	y	36:25	0.87	108	-	-	*		Co-elute PCB 116	
PCB-116	1.77e+05	1.70	y	36:25	0.87	108	-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.08	*	860	788	10.3			
PCB-110	1.27e+06	1.55	y	36:48	0.99	682	-	-	*			
PCB-82	7.87e+04	1.44	y	37:23	0.61	68.6	-	-	*			
PCB-124	4.56e+04	1.69	y	38:01	1.06	23.0	-	-	*			
PCB-108	9.60e+04	1.37	y	38:13	1.11	46.4	-	-	*		Co-elute PCB 107	
PCB-107	9.60e+04	1.37	y	38:13	1.11	46.4	-	-	*		Co-elute PCB 108	
PCB-123	*	*	n	NotFnd	1.00	*	1040	950	14.1			
13C-PCB-123	1.78e+07	1.59	y	38:19	1.29	10200				102	2.17e+06	1.38e+06
PCB-118	8.37e+05	1.62	y	38:31	1.07	408	-	-	*		Co-elute PCB 106	
PCB-106	8.37e+05	1.62	y	38:31	1.07	408	-	-	*		Co-elute PCB 118	
13C-PCB-118	1.92e+07	1.58	y	38:31	1.39	10200				102	2.32e+06	1.43e+06
PCB-114	*	*	n	NotFnd	1.08	*	1040	950	12.2			
13C-PCB-114	1.92e+07	1.58	y	39:07	1.37	10400				104	2.28e+06	1.47e+06
PCB-122	*	*	n	NotFnd	1.15	*	1040	950	11.6			
PCB-105	2.96e+05	1.49	y	39:58	1.15	138	-	-	*			
13C-PCB-105	1.86e+07	1.58	y	39:57	1.37	10000				100	2.39e+06	1.47e+06

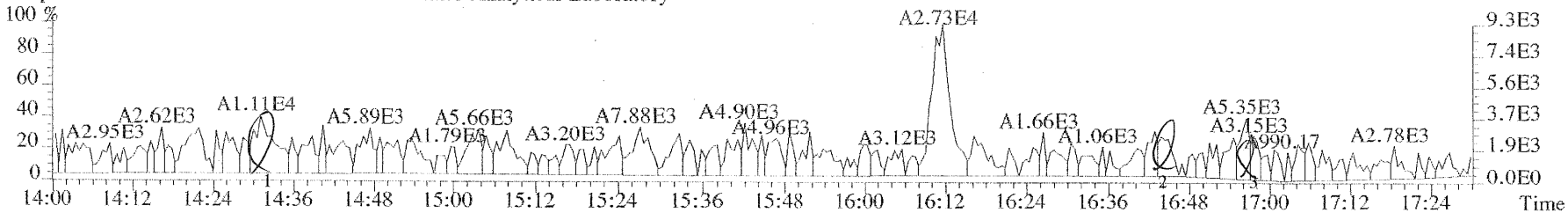
PCB-127	*	*	n	NotFnd	1.05	*	1040	950	12.7				
PCB-126	*	*	n	NotFnd	1.07	*	1040	950	13.6				
13C-PCB-126	1.85e+07	1.57	y	42:05	1.35	10200				102	2.11e+06	1.32e+06	
PCB-151	2.13e+05	1.23	y	37:47	0.85	188	-	-	*				
PCB-135	1.38e+05	1.13	y	38:00	0.80	129	-	-	*				
PCB-144	5.08e+04	1.31	y	38:05	1.06	36.0	-	-	*				
PCB-147	3.83e+04	1.29	y	38:13	0.96	30.0	-	-	*				
PCB-139	6.28e+05	1.27	y	38:28	0.99	478	-	-	*				Co-elute PCB 149
PCB-149	6.28e+05	1.27	y	38:28	0.99	478	-	-	*				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	0.95	*	870	610	13.5				
PCB-143	6.17e+04	1.30	y	39:04	0.81	57.0	-	-	*				Co-elute PCB 134
PCB-134	6.17e+04	1.30	y	39:04	0.81	57.0	-	-	*				Co-elute PCB 143
PCB-131	2.43e+04	1.13	y	39:20	0.84	21.9	-	-	*				Co-elute PCB 133
PCB-133	2.43e+04	1.13	y	39:20	0.84	21.9	-	-	*				Co-elute PCB 131
PCB-142	8.58e+05	1.32	y	39:30	0.83	781	-	-	*				
PCB-165	1.39e+05	1.14	y	39:43	1.04	101	-	-	*				Co-elute PCB 146
PCB-146	1.39e+05	1.14	y	39:43	1.04	101	-	-	*				Co-elute PCB 165
PCB-161	2.62e+05	1.24	y	39:58	1.00	197	-	-	*				Co-elute PCB 132
PCB-132	2.62e+05	1.24	y	39:58	1.00	197	-	-	*				Co-elute PCB 161
PCB-153	6.63e+05	1.34	y	40:06	1.17	427	-	-	*				
PCB-168	*	*	n	NotFnd	1.18	*	870	610	10.9				
PCB-141	1.02e+05	1.32	y	40:48	0.93	82.4	-	-	*				
PCB-137	4.18e+04	1.22	y	41:11	0.88	35.9	-	-	*				
PCB-130	3.89e+04	1.27	y	41:16	0.87	33.6	-	-	*				
PCB-138	7.01e+05	1.29	y	41:37	1.14	464	-	-	*				Co-elute PCB 163/164
PCB-163	7.01e+05	1.29	y	41:37	1.14	464	-	-	*				Co-elute PCB 138/164
PCB-164	7.01e+05	1.29	y	41:37	1.14	464	-	-	*				Co-elute PCB 138/163
PCB-158	9.17e+04	1.12	y	41:50	1.25	55.1	-	-	*				Co-elute PCB 160
PCB-160	9.17e+04	1.12	y	41:50	1.25	55.1	-	-	*				Co-elute PCB 158
PCB-129	4.15e+04	1.05	y	42:05	0.81	38.6	-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*	870	610	10.6				
PCB-159	*	*	n	NotFnd	1.33	*	870	610	9.69				
PCB-128	1.09e+05	1.34	y	43:06	1.06	77.2	-	-	*				Co-elute PCB 162
PCB-162	1.09e+05	1.34	y	43:06	1.06	77.2	-	-	*				Co-elute PCB 128
PCB-167	4.00e+04	1.16	y	43:29	1.23	23.4	-	-	*				
13C-PCB-167	1.39e+07	1.29	y	43:27	1.14	8990				89.9	1.66e+06	1.27e+06	
PCB-156	7.42e+04	1.09	y	44:40	1.29	44.1	-	-	*				
13C-PCB-156	1.31e+07	1.30	y	44:40	1.12	8600				86.0	1.48e+06	1.18e+06	
PCB-157	*	*	n	NotFnd	1.24	*	870	610	10.7				
13C-PCB-157	1.37e+07	1.28	y	44:54	1.14	8840				88.4	1.54e+06	1.23e+06	
PCB-169	*	*	n	NotFnd	1.20	*	870	610	9.51				
13C-PCB-169	1.26e+07	1.28	y	46:46	1.17	8000				80.0	1.82e+06	1.41e+06	

FAL ID: 13371-009-0001-SA Filename: 20OCT20Z Sam:9 Acquired: 20-OCT-20 16:27:57 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR-CC-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

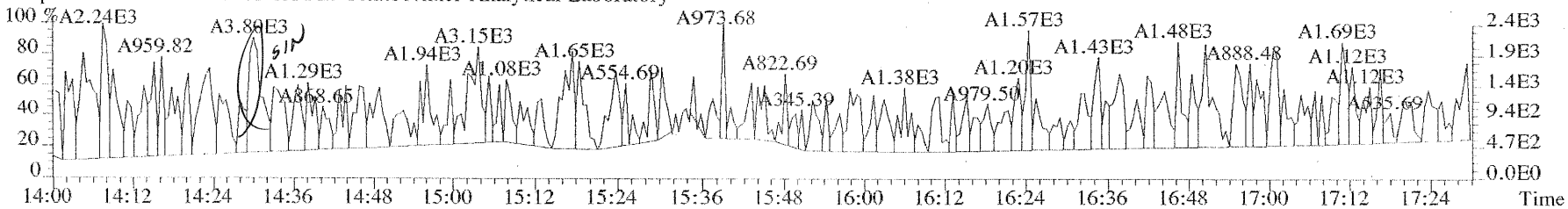
PCB-188	*	*	n	NotFnd	1.21	*	560	544	12.8			
13C-PCB-188	8.45e+06	1.08	y	39:43	0.86	7230				72.3	9.20e+05	8.65e+05
PCB-184	5.30e+06	1.09	y	40:10	1.31	4980	-	-	*			
PCB-179	5.82e+04	1.16	y	40:54	1.28	56.2	-	-	*			
PCB-176	*	*	n	NotFnd	1.26	*	560	544	11.5			
PCB-186	*	*	n	NotFnd	1.22	*	560	544	11.9			
PCB-178	*	*	n	NotFnd	0.90	*	560	544	16.2			
PCB-175	*	*	n	NotFnd	0.93	*	560	544	15.7			
PCB-187	9.95e+04	1.12	y	42:53	1.02	120	-	-	*	Co-elute PCB 182		
PCB-182	9.95e+04	1.12	y	42:53	1.02	120	-	-	*	Co-elute PCB 187		
PCB-183	5.94e+04	1.17	y	43:11	0.99	73.8	-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*	560	544	15.5			
PCB-174	5.29e+04	1.07	y	44:07	0.94	69.8	-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*	560	544	16.0			
PCB-177	3.88e+04	1.01	y	44:23	0.84	56.9	-	-	*			
PCB-171	*	*	n	NotFnd	0.92	*	560	544	15.9			
PCB-173	*	*	n	NotFnd	0.83	*	560	544	17.6			
PCB-172	9.09e+04	0.96	y	45:26	0.87	129	-	-	*			
PCB-192	3.59e+06	1.11	y	45:39	1.14	3890	-	-	*			
PCB-180	8.84e+04	0.91	y	45:49	0.89	122	-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*	560	544	11.8			
PCB-191	*	*	n	NotFnd	1.27	*	560	544	11.5			
PCB-170	3.21e+04	1.10	y	47:06	0.89	44.3	-	-	*			
PCB-190	*	*	n	NotFnd	1.18	*	560	544	12.3			
PCB-189	*	*	n	NotFnd	1.21	*	560	544	11.2			
13C-PCB-189	7.78e+06	1.08	y	48:25	0.88	6540				65.4	1.03e+06	9.94e+05
PCB-202	*	*	n	NotFnd	1.16	*	423	404	13.9			
PCB-201	*	*	n	NotFnd	1.24	*	423	404	13.0			
PCB-204	6.80e+06	0.92	y	45:26	1.26	9370	-	-	*			
PCB-197	4.50e+04	0.91	y	45:42	1.29	60.4	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	423	404	12.7			
PCB-198	*	*	n	NotFnd	0.91	*	423	404	17.9			
PCB-199	*	*	n	NotFnd	0.95	*	423	404	17.0			
PCB-203	*	*	n	NotFnd	1.01	*	423	404	15.9	Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	1.01	*	423	404	15.9	Co-elute PCB 203		
13C-PCB-202	5.76e+06	0.94	y	44:50	0.68	6300				63.0	6.21e+05	6.56e+05
13C-PCB-178	6.59e+06	1.10	y	42:21	0.70	6920				69.2	7.45e+05	6.71e+05
13C-PCB-138	1.35e+07	1.32	y	41:35	-	34.2						
PCB-195	*	*	n	NotFnd	0.85	*	1080	1440	17.6			
PCB-194	*	*	n	NotFnd	0.94	*	1080	1440	16.0			
PCB-205	*	*	n	NotFnd	1.12	*	1080	1440	13.4			
13C-PCB-205	1.30e+07	0.91	y	50:05	1.22	8500				85.0	1.98e+06	2.21e+06
PCB-208	*	*	n	NotFnd	1.11	*	740	670	9.84			
13C-PCB-208	1.03e+07	0.82	y	49:08	0.98	8360				83.6	1.45e+06	1.79e+06
PCB-207	4.93e+04	1.50	y	49:27	1.26	46.1	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	740	670	15.3			
13C-PCB-206	6.64e+06	0.82	y	51:16	0.75	7060				70.6	8.93e+05	1.10e+06
PCB-209	5.27e+04	1.03	y	52:28	1.22	66.3	-	-	*			
13C-PCB-209	6.51e+06	1.21	y	52:27	0.80	6510				65.1	1.08e+06	9.26e+05
13C-PCB-194	1.25e+07	0.92	y	49:49	-	30.1						

Analyst: _____ Date: 10/28/20

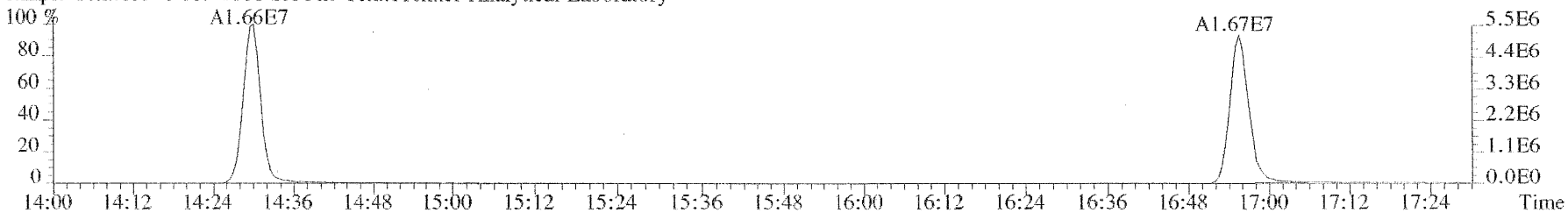
File:20OCT20Z #1-784 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



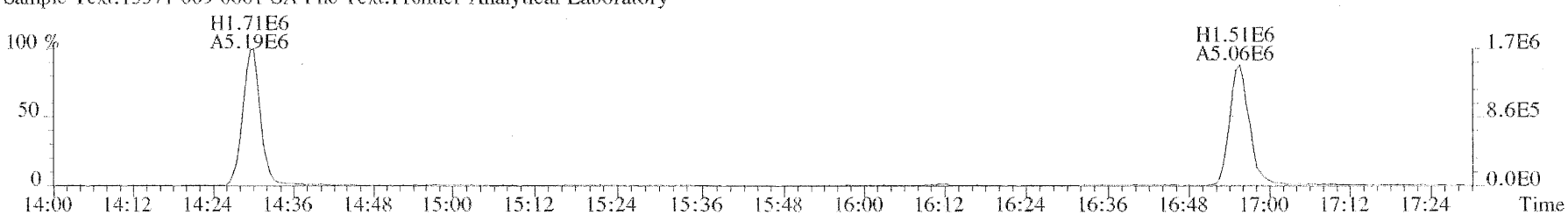
File:20OCT20Z #1-784 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



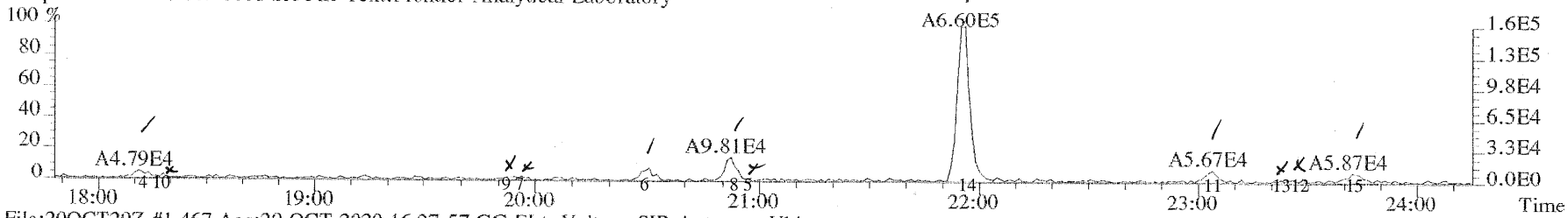
File:20OCT20Z #1-784 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



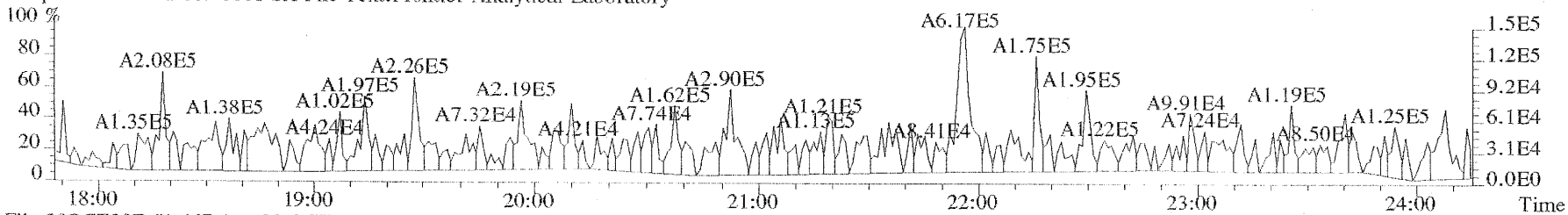
File:20OCT20Z #1-784 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



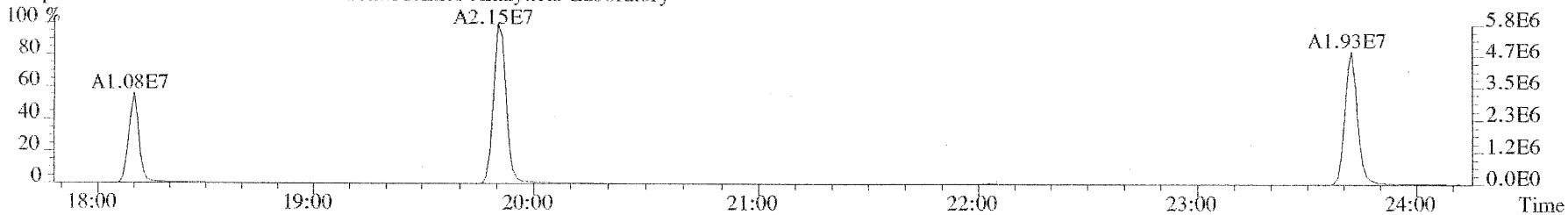
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



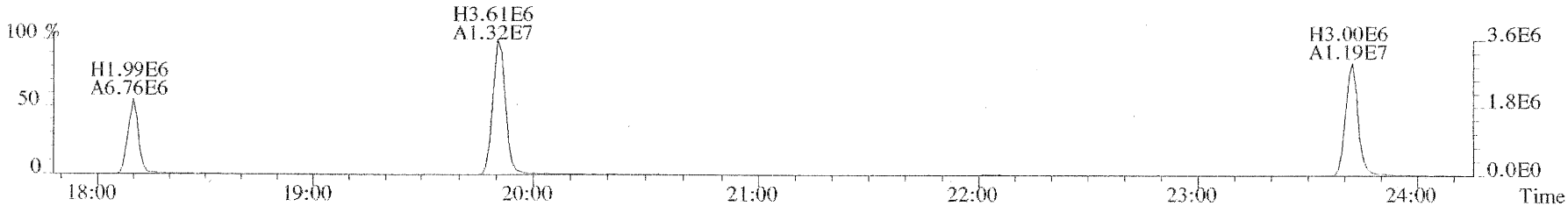
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



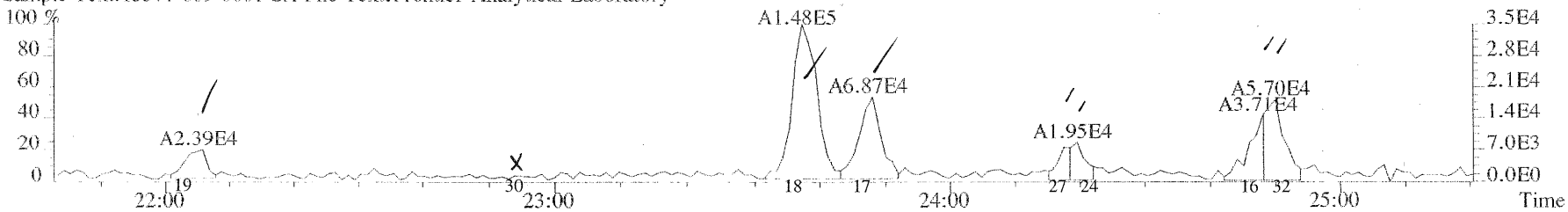
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



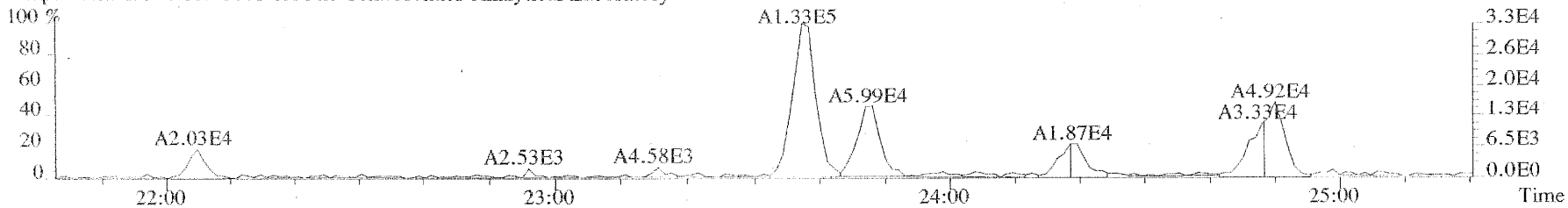
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



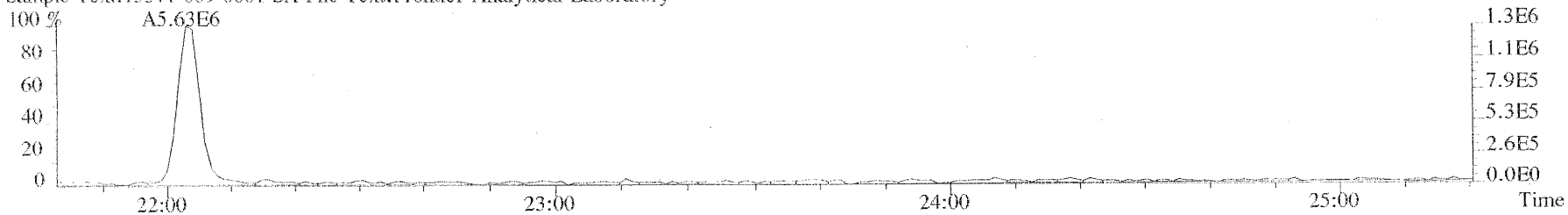
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



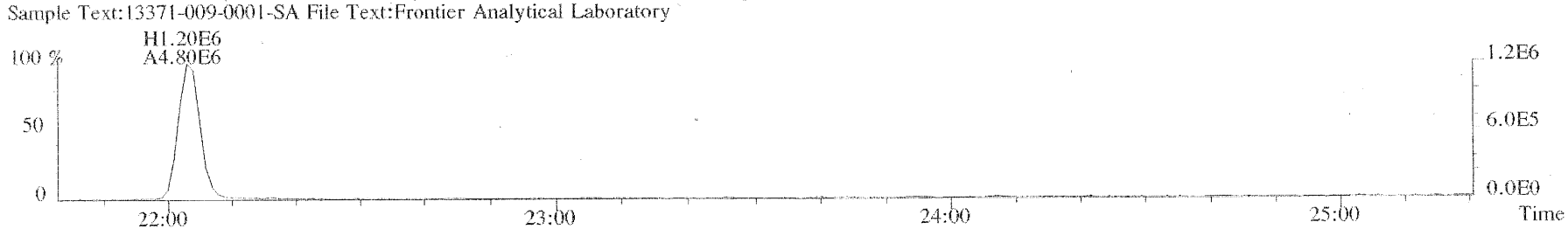
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



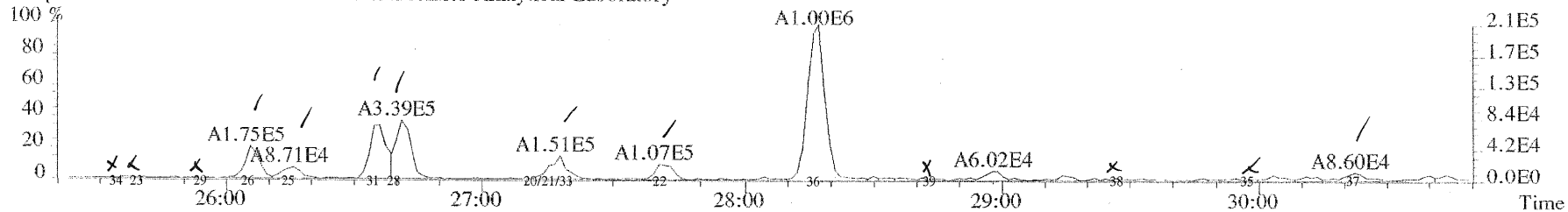
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



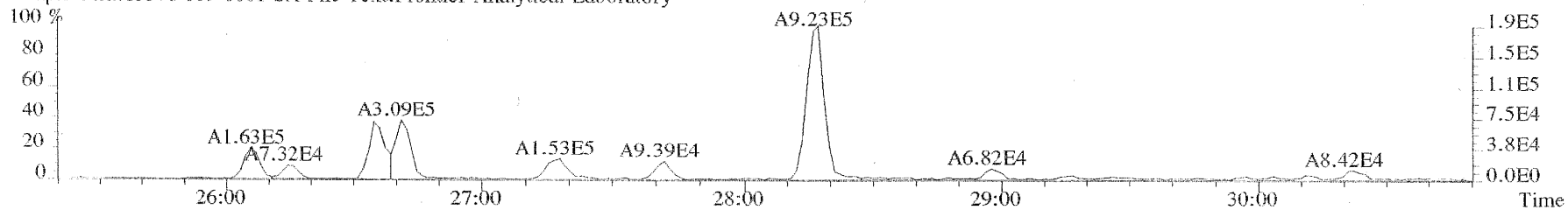
File:20OCT20Z #1-467 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



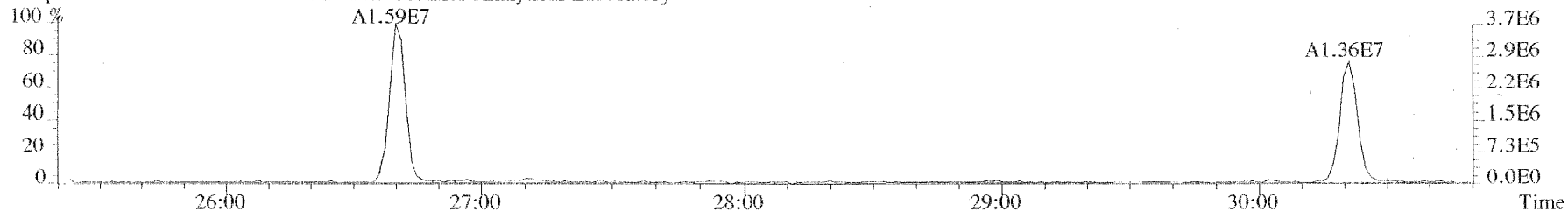
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



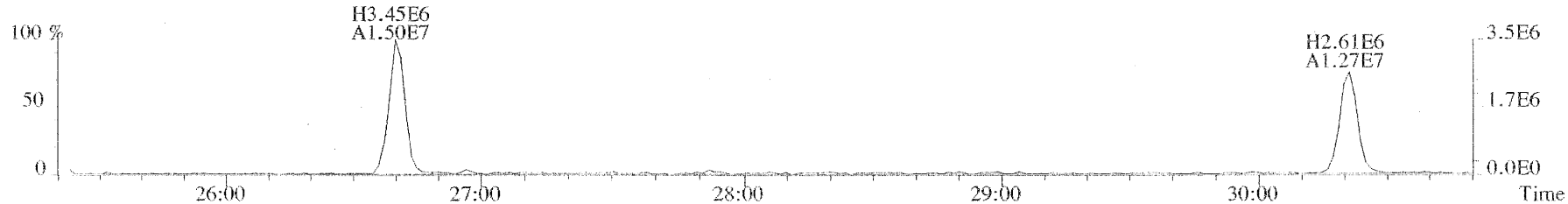
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



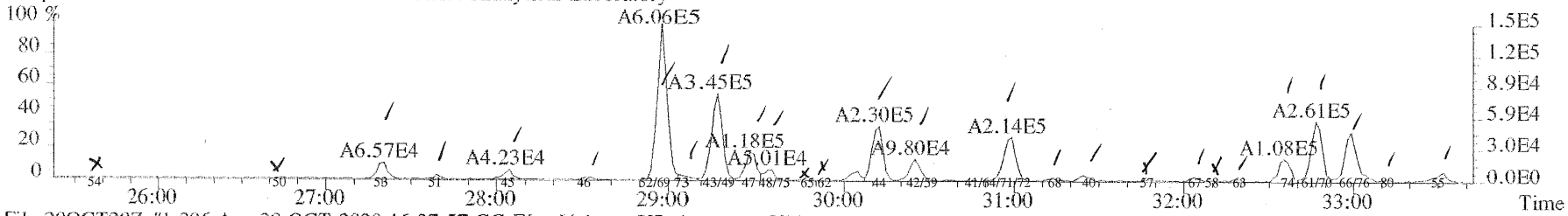
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



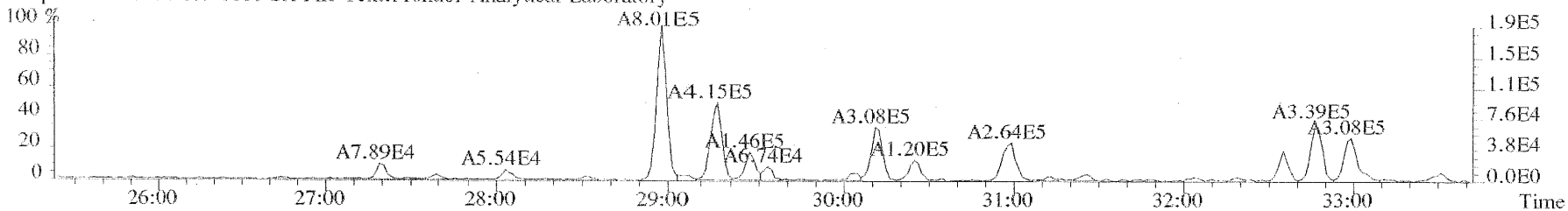
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



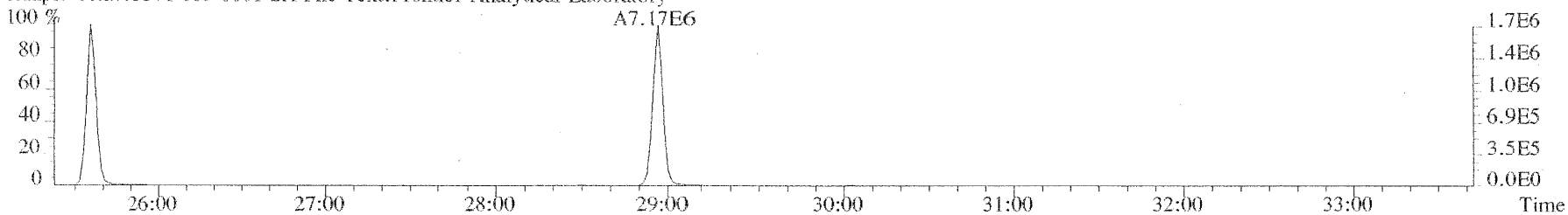
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



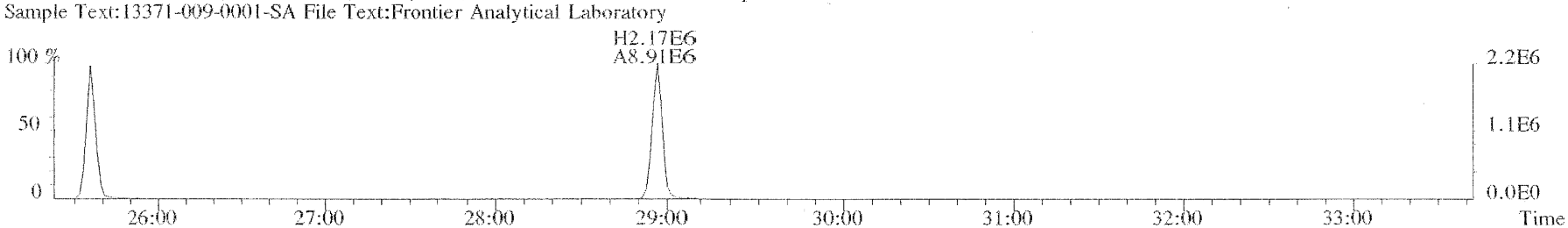
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



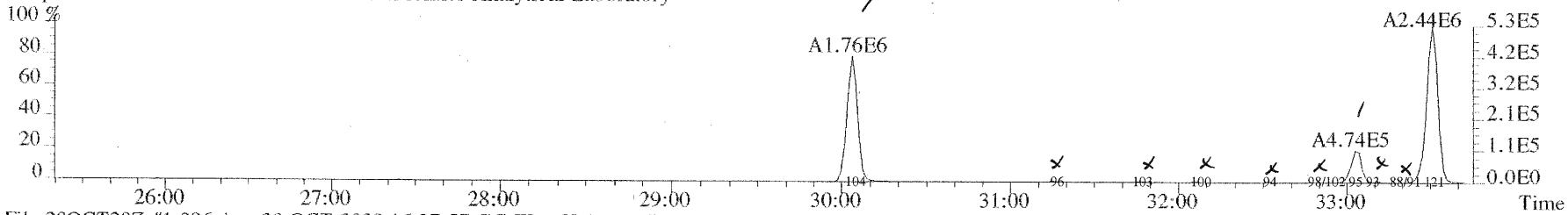
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



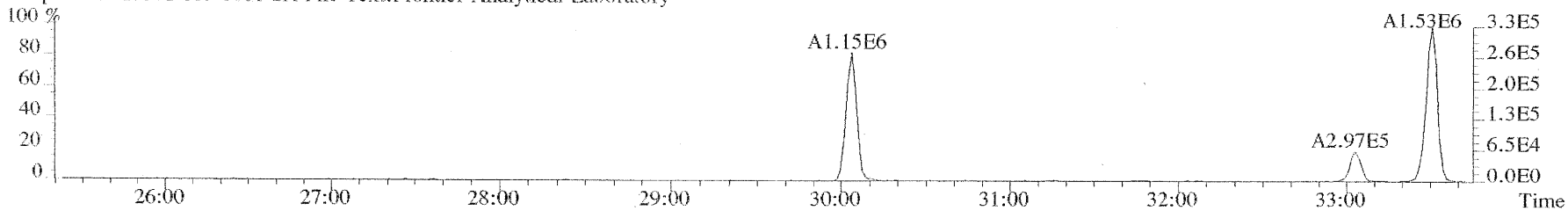
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



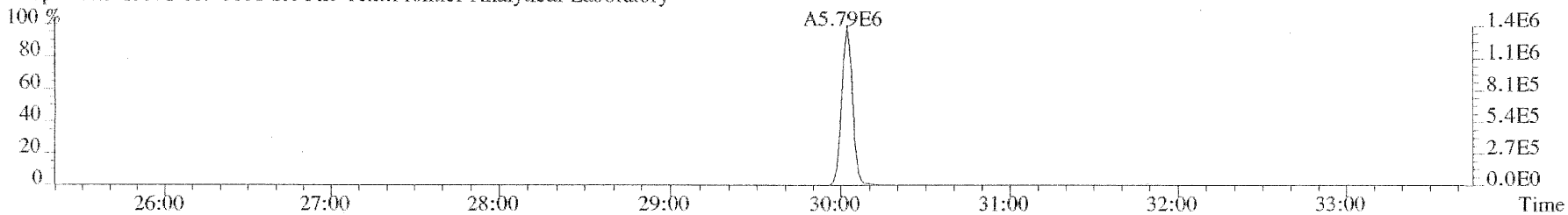
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



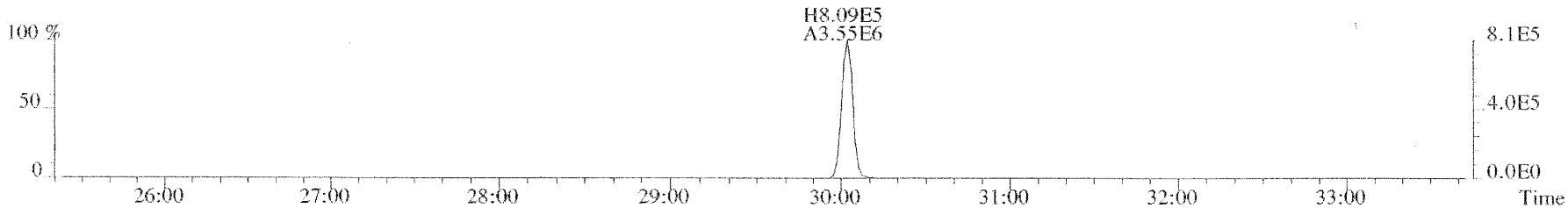
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



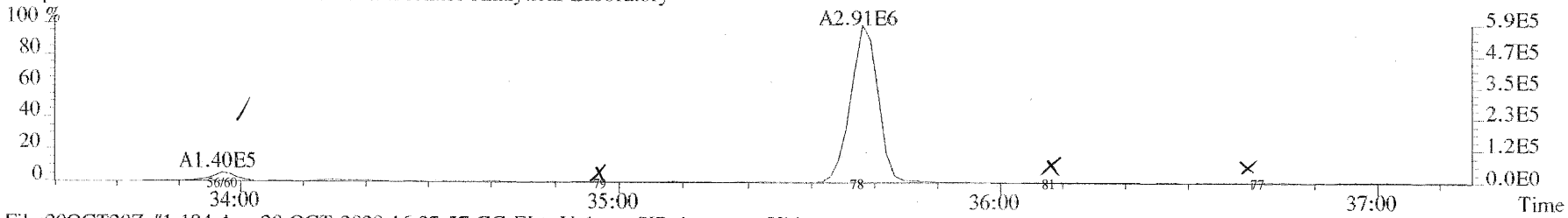
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



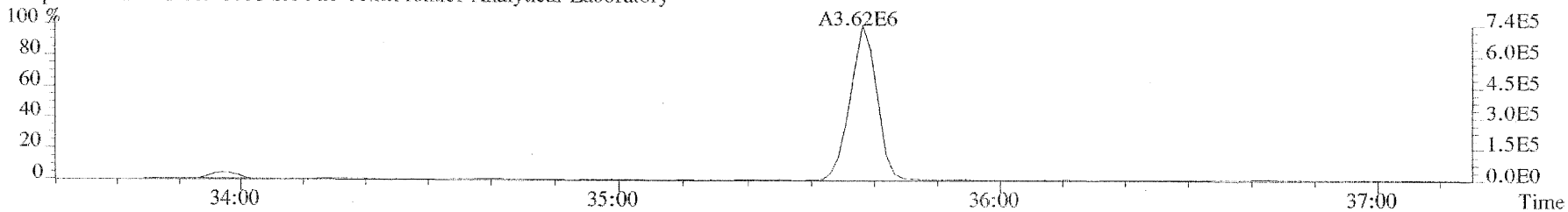
File:20OCT20Z #1-396 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



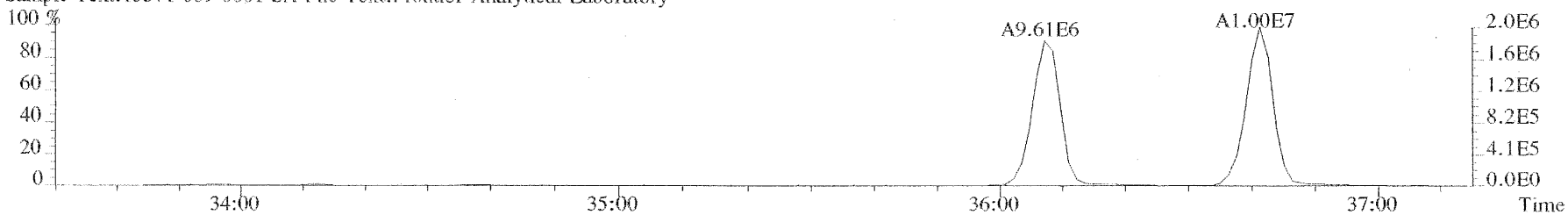
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



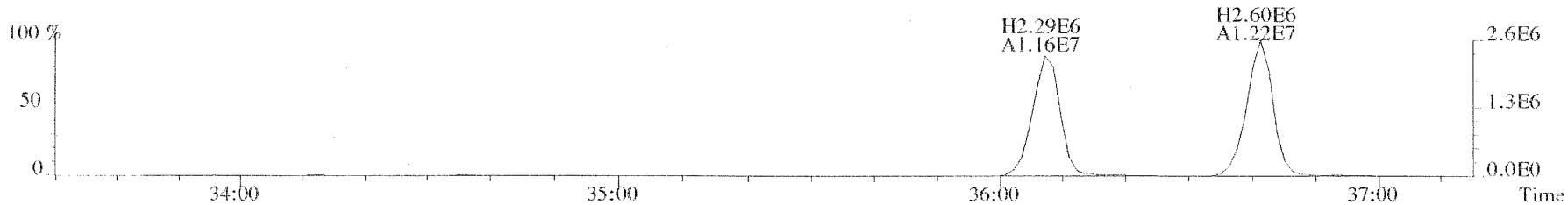
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



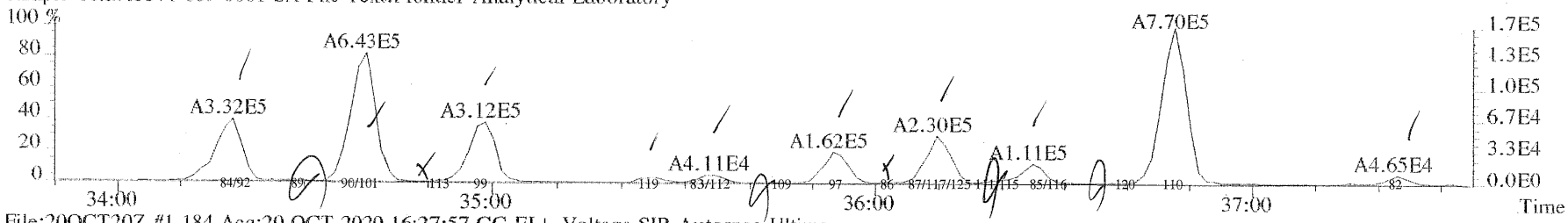
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



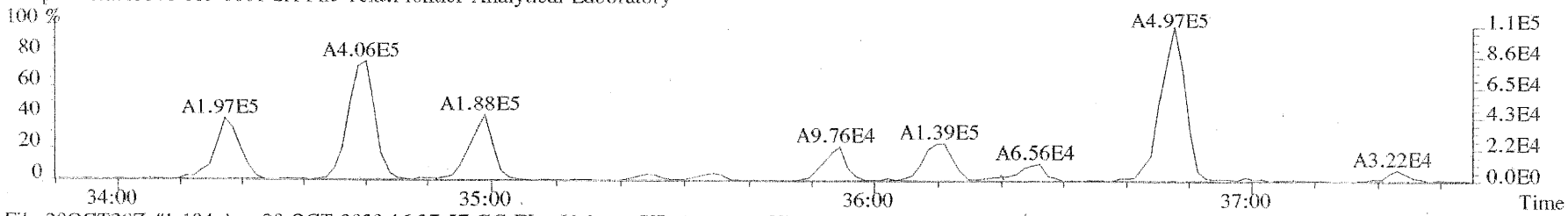
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



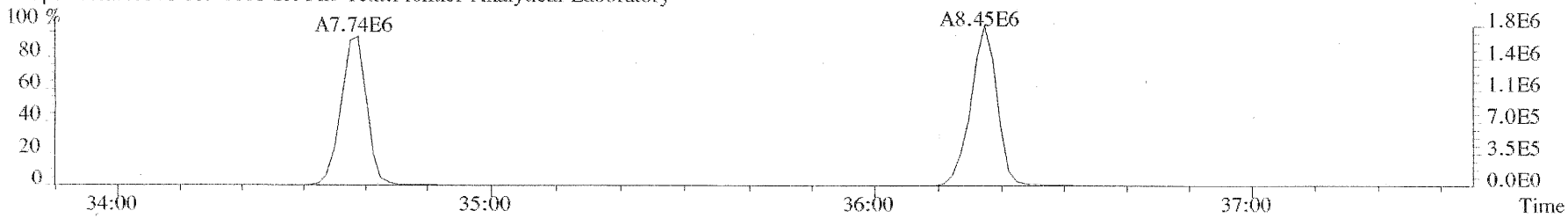
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



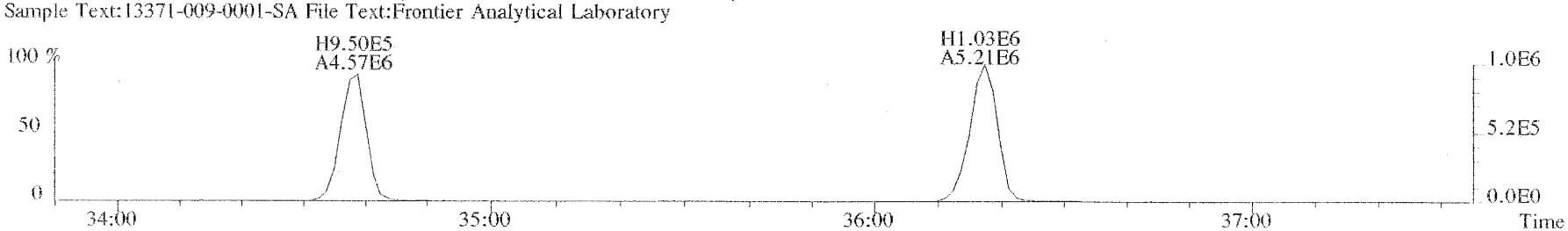
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



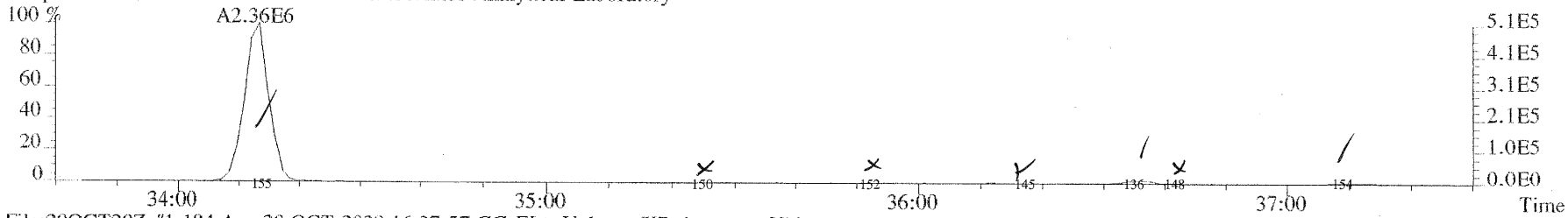
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



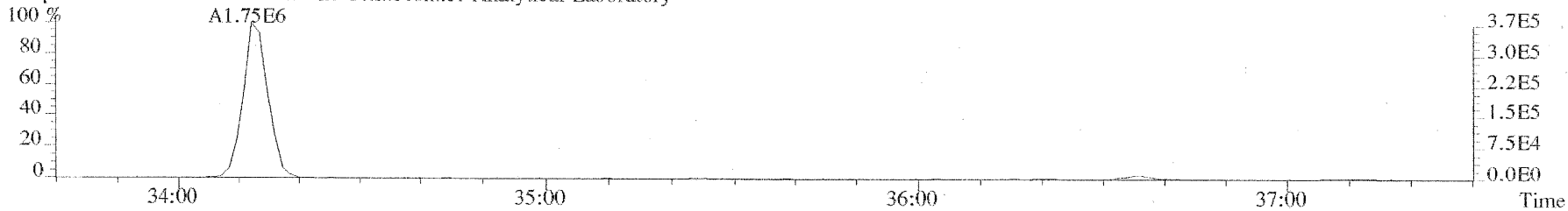
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



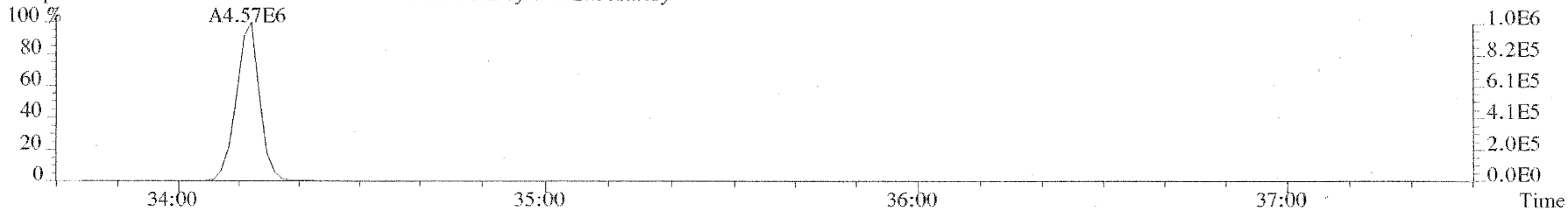
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



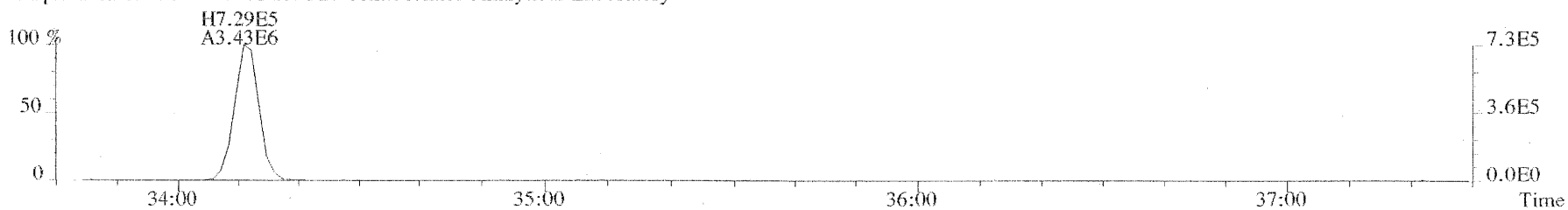
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



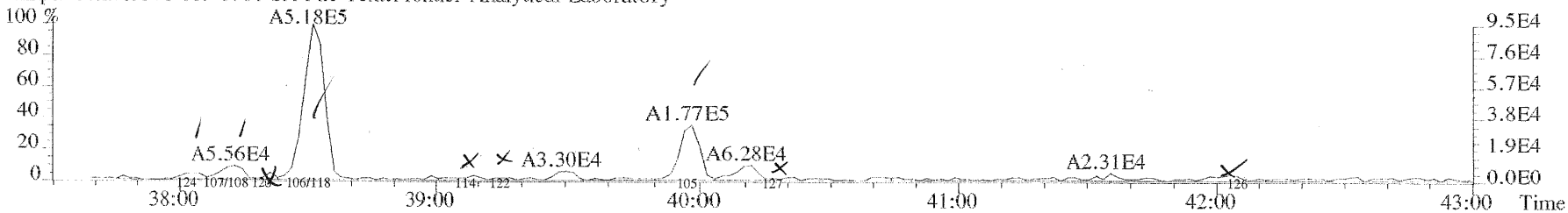
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



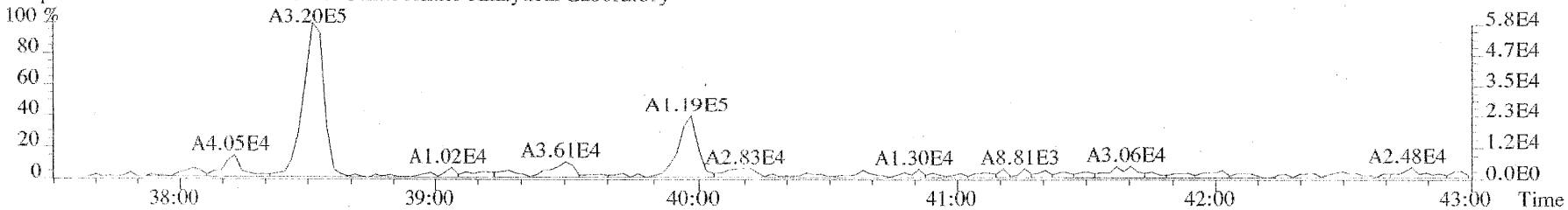
File:20OCT20Z #1-184 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



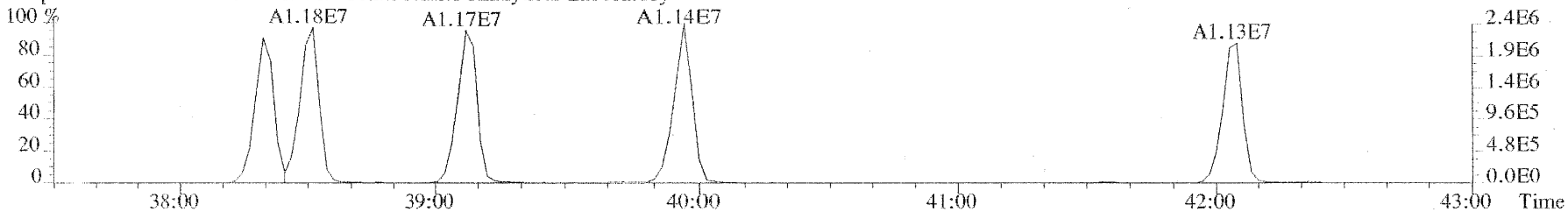
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



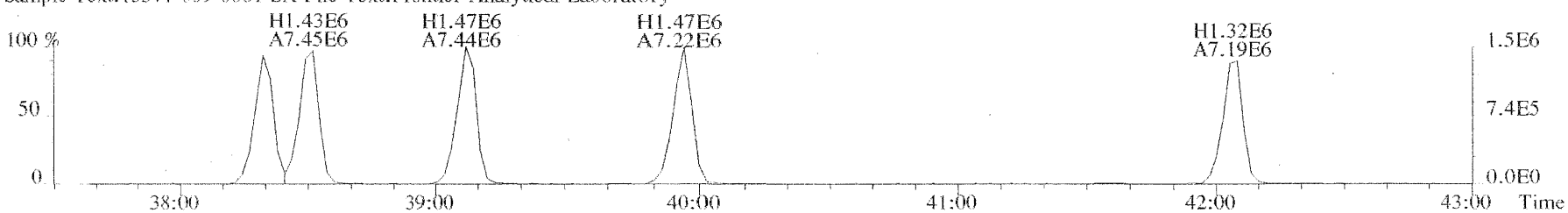
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



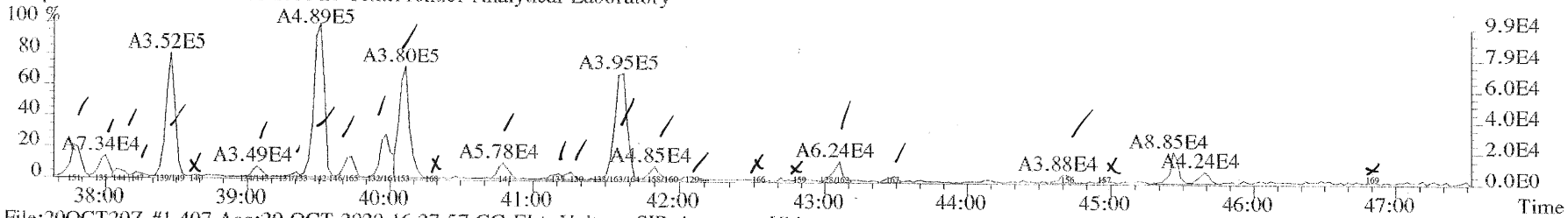
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



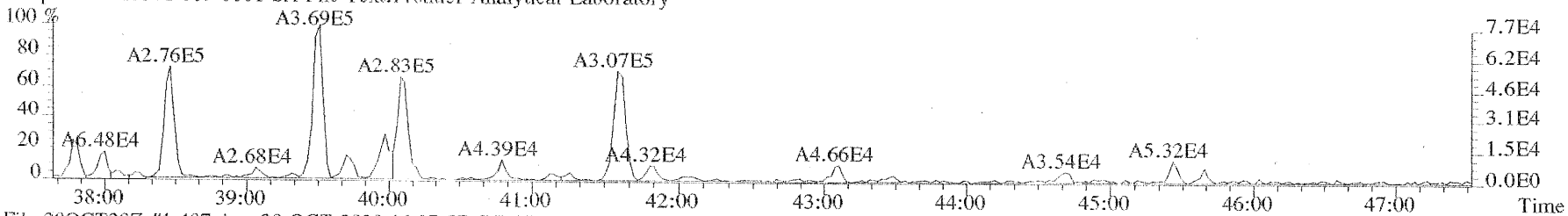
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



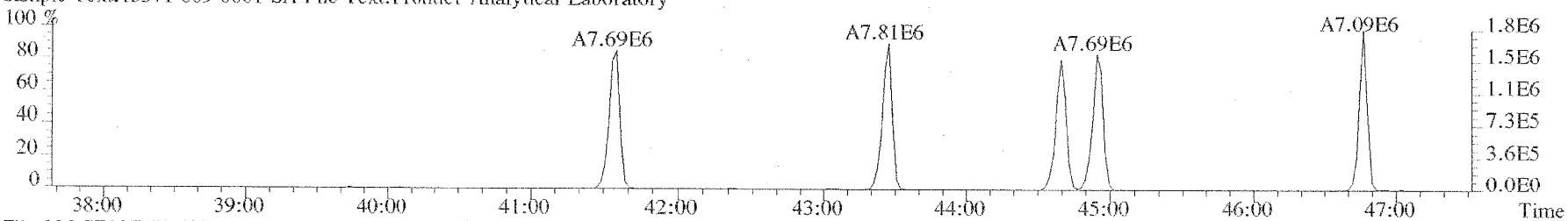
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



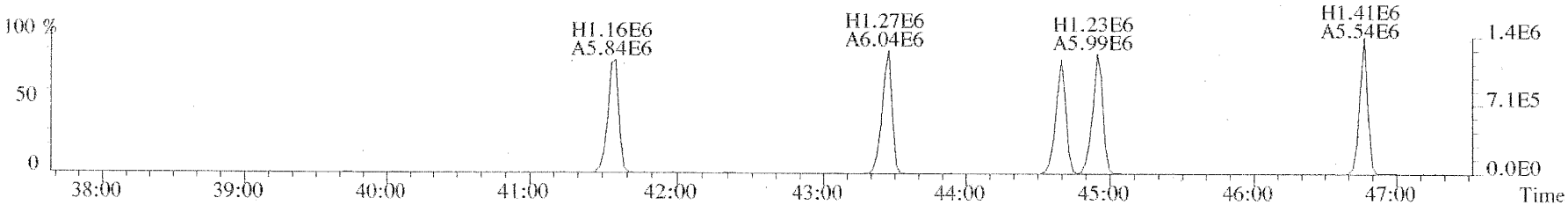
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



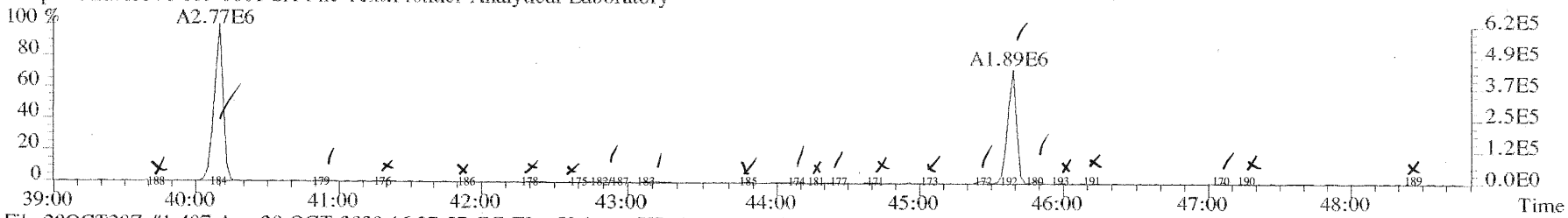
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



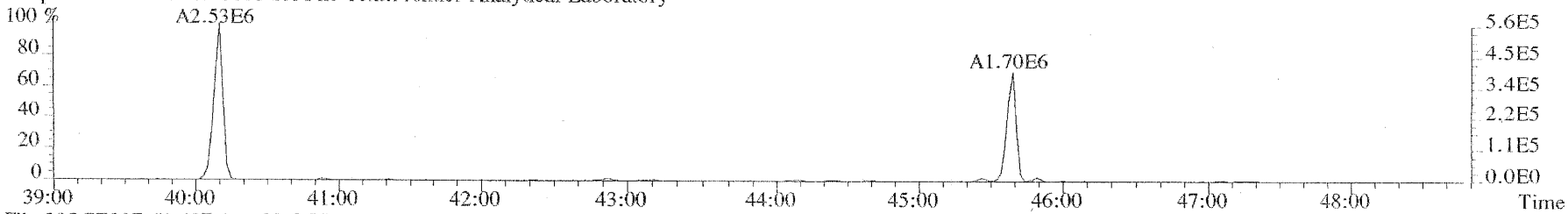
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



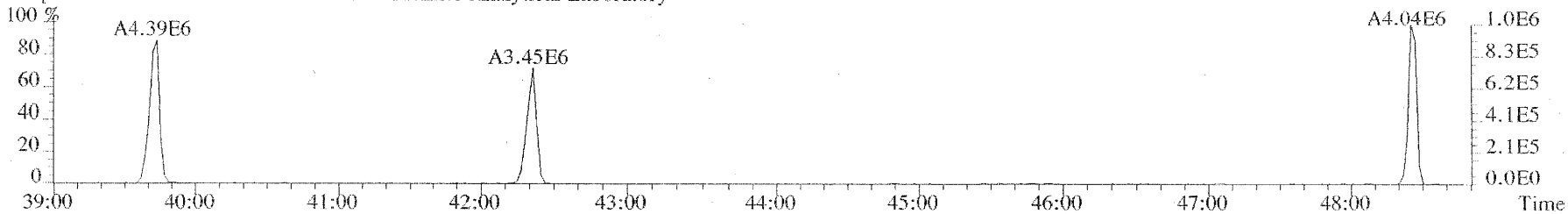
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



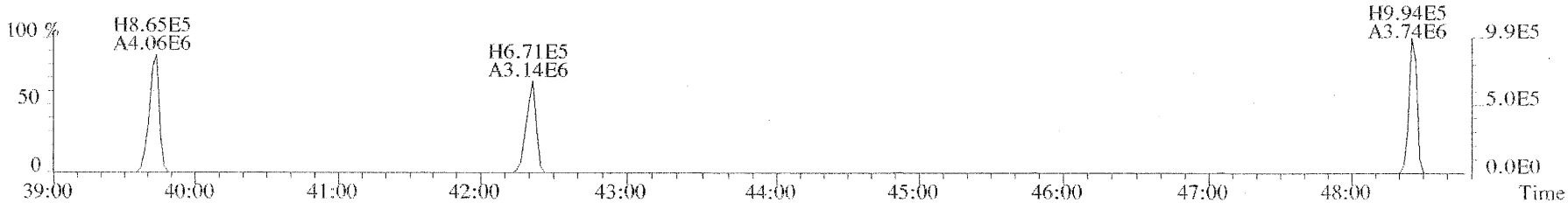
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



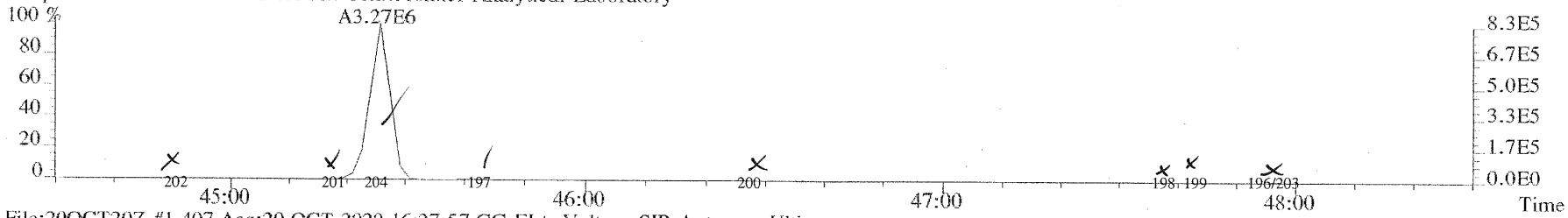
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



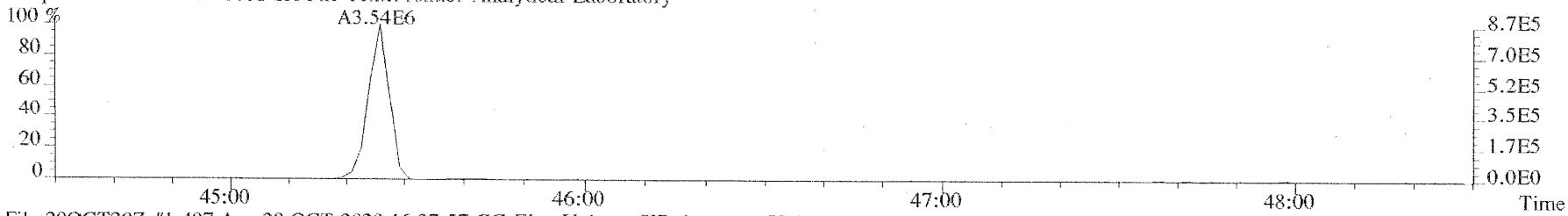
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



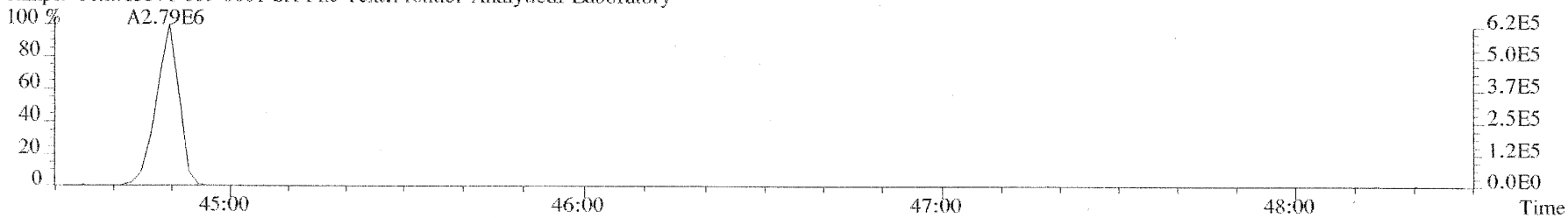
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



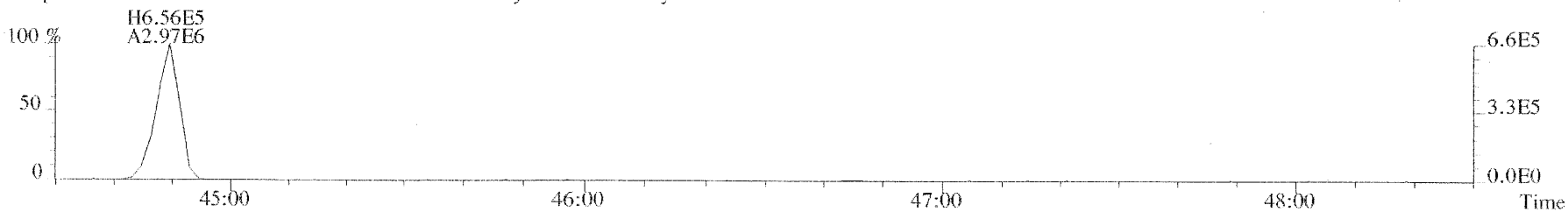
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



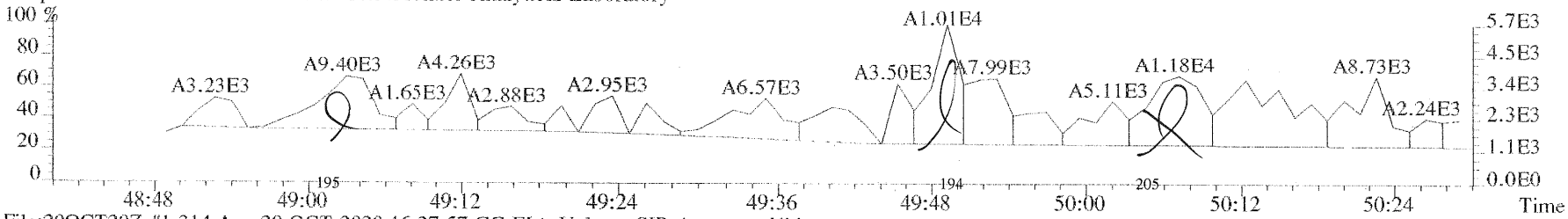
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



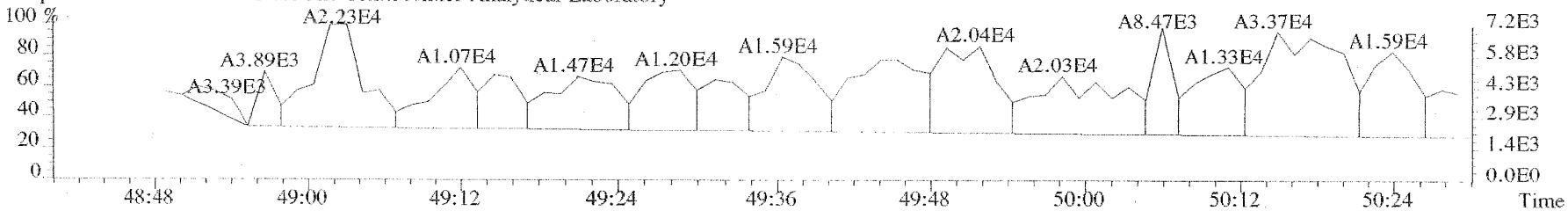
File:20OCT20Z #1-407 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



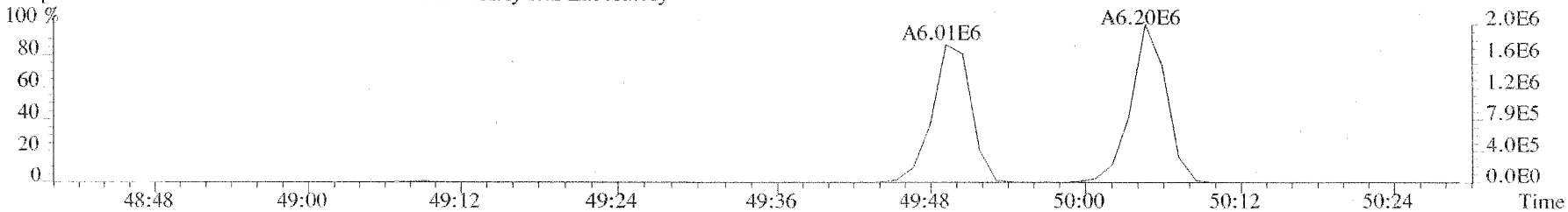
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



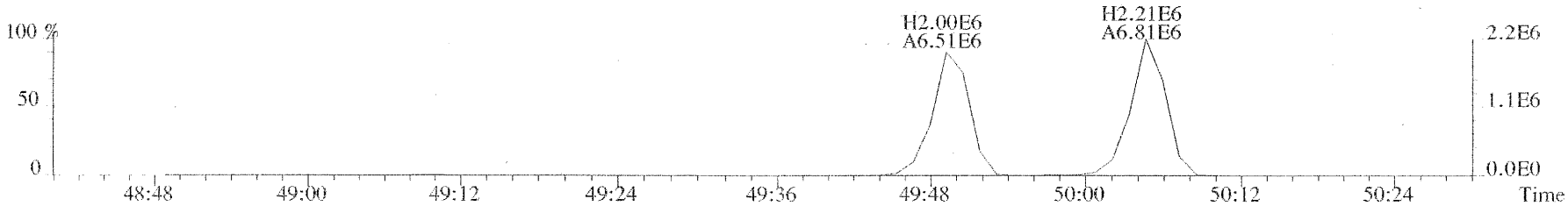
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



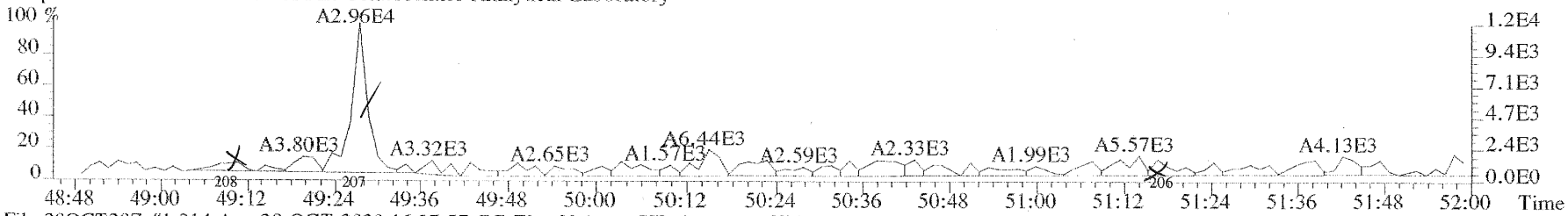
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



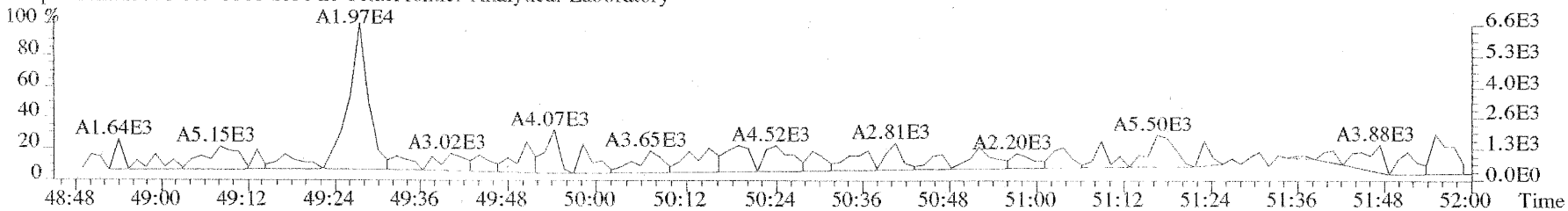
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



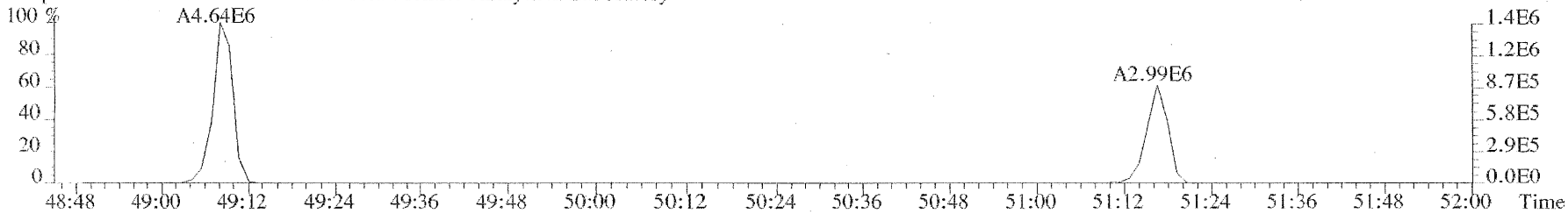
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



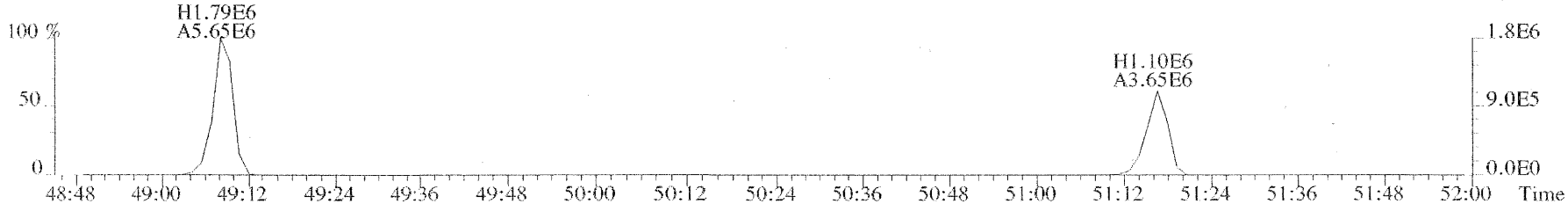
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



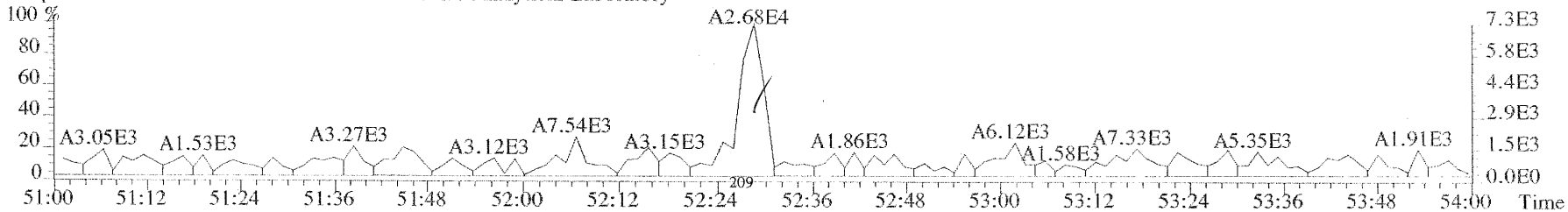
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



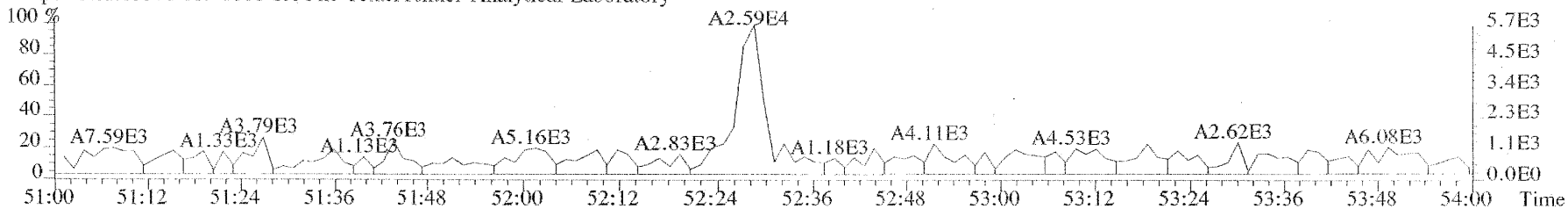
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



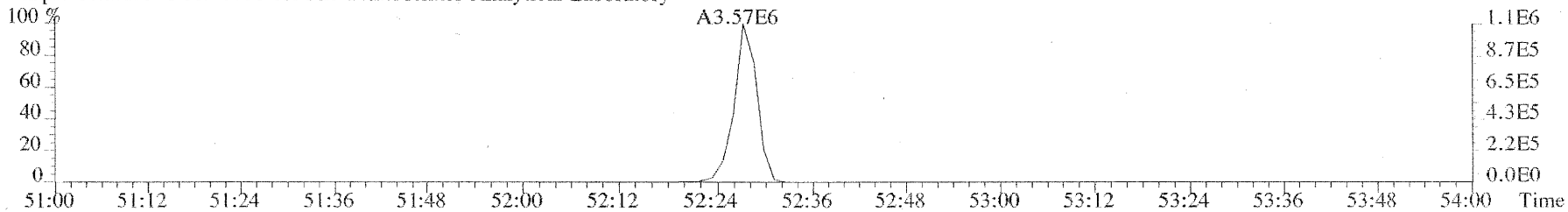
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



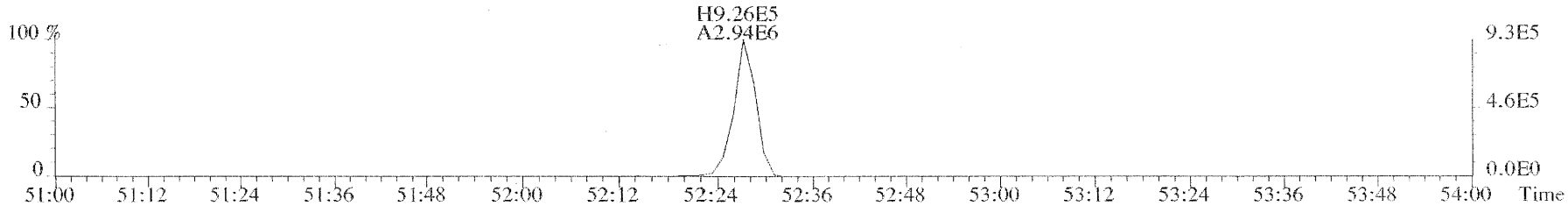
File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 16:27:57 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-009-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-010-0001-SA Filename: 20OCT20Z Sam:10 Acquired: 20-OCT-20 17:26:18 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-IN-ENR-CD-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1550	1140	5.04			
13C-PCB-1	2.89e+07	3.25 y	14:30	0.87	8320					83.2	7.78e+06	2.34e+06
PCB-2	*	* n	NotFnd	1.31	*		1550	1140	5.30			
PCB-3	*	* n	NotFnd	1.32	*		1550	1140	5.52			
13C-PCB-3	2.74e+07	3.35 y	16:56	0.82	8290					82.9	7.16e+06	2.11e+06
PCB-4	1.05e+05	1.44 y	18:12	1.06	42.9		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		789	3510	8.95			
13C-PCB-4	2.33e+07	1.60 y	18:10	0.65	8920					89.2	4.49e+06	2.77e+06
PCB-9	*	* n	NotFnd	1.28	*		789	3510	9.07			
PCB-7	*	* n	NotFnd	1.33	*		789	3510	8.76			
PCB-6	9.41e+04	1.67 y	20:29	1.42	21.4		-	-	*			
PCB-8	1.85e+05	1.61 y	20:51	1.27	47.1		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		789	3510	9.47			
PCB-14	2.78e+06	1.52 y	21:55	1.28	702		-	-	*			
PCB-11	1.39e+05	1.44 y	23:03	1.23	36.3		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		789	3510	9.50			
PCB-12	*	* n	NotFnd	1.25	*		789	3510	9.34			
PCB-15	1.02e+05	1.51 y	23:42	1.12	23.4		-	-	*			
13C-PCB-15	3.87e+07	1.60 y	23:41	1.02	9520					95.2	6.79e+06	4.26e+06
PCB-19	4.70e+04	1.10 y	22:05	1.27	26.8		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		2020	508	8.64			
PCB-18	3.53e+05	1.09 y	23:36	1.28	200		-	-	*			
PCB-17	1.58e+05	1.17 y	23:47	1.42	80.6		-	-	*			
PCB-27	4.27e+04	0.99 y	24:17	1.89	16.4	J	-	-	*			
PCB-24	4.58e+04	0.92 y	24:18	1.83	18.2	J	-	-	*			
PCB-16	8.64e+04	1.09 y	24:47	1.61	38.9		-	-	*			
PCB-32	1.17e+05	1.17 y	24:48	1.67	51.0		-	-	*			
13C-PCB-19	1.38e+07	1.14 y	22:03	0.42	8220					82.2	2.03e+06	1.82e+06
13C-PCB-9	4.00e+07	1.60 y	19:50	-	54.7							
PCB-34	*	* n	NotFnd	1.07	*		1230	1130	7.60			
PCB-23	*	* n	NotFnd	1.13	*		1230	1130	7.22			
PCB-29	*	* n	NotFnd	1.09	*		1230	1130	7.44			
PCB-26	3.89e+05	1.07 y	26:06	1.07	109		-	-	*			
PCB-25	1.99e+05	1.12 y	26:14	1.06	56.4		-	-	*			
PCB-31	7.71e+05	1.11 y	26:35	1.32	176		-	-	*			
PCB-28	8.49e+05	1.07 y	26:41	1.32	193		-	-	*			
PCB-20	3.42e+05	1.07 y	27:16	1.08	95.0		-	-	*		Co-elute PCB 21/33	
PCB-21	3.42e+05	1.07 y	27:16	1.08	95.0		-	-	*		Co-elute PCB 20/33	
PCB-33	3.42e+05	1.07 y	27:16	1.08	95.0		-	-	*		Co-elute PCB 20/21	
PCB-22	2.34e+05	1.14 y	27:40	1.20	58.5		-	-	*			
PCB-36	4.16e+06	1.09 y	28:15	1.13	1100		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1230	1130	7.19			
PCB-38	*	* n	NotFnd	1.08	*		1230	1130	7.51			
PCB-35	*	* n	NotFnd	1.10	*		1230	1130	7.42			
PCB-37	1.62e+05	1.14 y	30:21	1.14	42.8		-	-	*			
13C-PCB-37	3.34e+07	1.11 y	30:18	1.64	10600					106	3.71e+06	3.54e+06

PCB-54	*	*	n	NotFnd	1.36	*		756	1040	6.65			
PCB-50	3.53e+04	0.70	y	26:41	1.06	16.3	J	-	-	*			
PCB-53	1.74e+05	0.87	y	27:19	1.04	82.2		-	-	*			
PCB-51	5.93e+04	0.67	y	27:38	1.10	26.5		-	-	*			
PCB-45	1.11e+05	0.69	y	28:02	0.92	59.3		-	-	*			
PCB-46	5.06e+04	0.68	y	28:30	0.88	28.1		-	-	*			
PCB-52	1.70e+06	0.76	y	28:56	1.15	726		-	-	*	Co-elute PCB 69		
PCB-69	1.70e+06	0.76	y	28:56	1.15	726		-	-	*	Co-elute PCB 52		
PCB-73	6.17e+04	0.68	y	29:03	1.32	23.0		-	-	*			
PCB-43	8.65e+05	0.84	y	29:14	0.99	427		-	-	*	Co-elute PCB 49		
PCB-49	8.65e+05	0.84	y	29:14	0.99	427		-	-	*	Co-elute PCB 43		
PCB-47	3.25e+05	0.70	y	29:25	1.01	158		-	-	*			
PCB-48	1.53e+05	0.74	y	29:32	1.31	57.0		-	-	*	Co-elute PCB 75		
PCB-75	1.53e+05	0.74	y	29:32	1.31	57.0		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*		756	1040	6.82			
PCB-62	*	*	n	NotFnd	1.28	*		756	1040	7.08			
PCB-44	6.06e+05	0.76	y	30:10	0.87	343		-	-	*			
PCB-42	2.65e+05	0.74	y	30:24	1.14	114		-	-	*	Co-elute PCB 59		
PCB-59	2.65e+05	0.74	y	30:24	1.14	114		-	-	*	Co-elute PCB 42		
PCB-72	6.33e+05	0.79	y	30:56	1.28	242		-	-	*	Co-elute PCB 41/71/64		
PCB-41	6.33e+05	0.79	y	30:56	1.28	242		-	-	*	Co-elute PCB 72/71/64		
PCB-71	6.33e+05	0.79	y	30:56	1.28	242		-	-	*	Co-elute PCB 72/41/64		
PCB-64	6.33e+05	0.79	y	30:56	1.28	242		-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.19e+04	0.72	y	31:12	1.49	17.1	J	-	-	*			
PCB-40	7.77e+04	0.85	y	31:24	0.81	47.0		-	-	*			
PCB-57	2.61e+04	0.76	y	31:43	1.41	9.09	J	-	-	*			
PCB-67	4.80e+04	0.80	y	32:02	1.42	16.5	J	-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		756	1040	6.53			
PCB-63	4.06e+04	0.86	y	32:16	1.40	14.2	J	-	-	*			
PCB-74	3.53e+05	0.80	y	32:34	1.42	122		-	-	*			
PCB-61	7.67e+05	0.80	y	32:45	1.28	294		-	-	*	Co-elute PCB 70		
PCB-70	7.67e+05	0.80	y	32:45	1.28	294		-	-	*	Co-elute PCB 61		
PCB-76	7.04e+05	0.83	y	32:56	1.49	233		-	-	*	Co-elute PCB 66		
PCB-66	7.04e+05	0.83	y	32:56	1.49	233		-	-	*	Co-elute PCB 76		
PCB-80	3.75e+04	0.88	y	33:09	1.69	10.9	J	-	-	*			
PCB-55	1.68e+05	0.77	y	33:29	1.49	55.2		-	-	*			
13C-PCB-54	2.04e+07	0.82	y	25:35	1.13	9390					93.9	2.24e+06	2.72e+06
PCB-104	5.59e+06	1.56	y	30:02	1.18	3660		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		424	332	5.23			
PCB-103	2.44e+04	1.37	y	31:44	0.95	19.8	J	-	-	*			
PCB-100	2.50e+04	1.40	y	32:05	0.96	20.2		-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		424	332	7.54			
PCB-98	9.06e+05	1.56	y	33:02	0.86	810		424	332	6.96	Co-elute PCB 102		
PCB-102	9.06e+05	1.56	y	33:02	0.86	810		424	332	6.96	Co-elute PCB 98		
PCB-95	9.06e+05	1.56	y	33:02	0.83	836		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		424	332	7.18			
PCB-88	*	*	n	NotFnd	0.87	*		424	332	6.87	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*		424	332	6.87	Co-elute PCB 88		
PCB-121	7.84e+06	1.62	y	33:29	1.18	5110		-	-	*			
13C-PCB-104	1.30e+07	1.60	y	30:01	0.90	7510					75.1	1.96e+06	1.20e+06
13C-PCB-28	3.78e+07	1.09	y	26:39	1.90	10300					103	4.54e+06	4.24e+06
13C-PCB-52	1.93e+07	0.82	y	28:55	-	48.5							

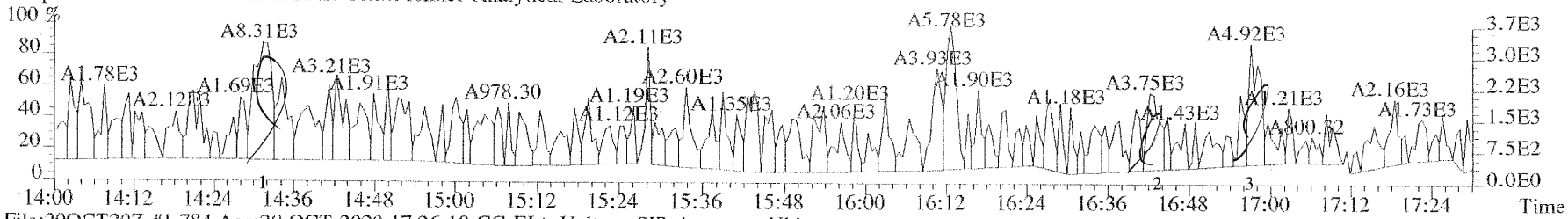
PCB-56	4.14e+05	0.87	y	33:56	1.10	124		-	-	*		Co-elute PCB 60
PCB-60	4.14e+05	0.87	y	33:56	1.10	124		-	-	*		Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		920	1300	6.69		
PCB-78	1.30e+07	0.80	y	35:37	1.21	3550		-	-	*		
PCB-81	4.30e+04	0.77	y	36:08	1.30	11.1	J	-	-	*		
13C-PCB-81	2.99e+07	0.83	y	36:06	1.63	11700					117	2.98e+06 3.63e+06
PCB-77	5.07e+04	0.71	y	36:40	1.16	14.2	J	-	-	*		
13C-PCB-77	3.09e+07	0.80	y	36:39	1.71	11600					116	2.96e+06 3.69e+06
PCB-155	8.70e+06	1.32	y	34:12	1.22	6430		-	-	*		
PCB-150	*	*	n	NotFnd	1.20	*		664	444	8.46		
PCB-152	*	*	n	NotFnd	1.19	*		664	444	8.58		
PCB-145	*	*	n	NotFnd	1.18	*		664	444	8.65		
PCB-136	1.23e+05	1.33	y	36:34	1.08	104		-	-	*		
PCB-148	*	*	n	NotFnd	1.02	*		664	444	10.0		
PCB-154	3.73e+04	1.18	y	37:08	1.05	32.1		-	-	*		
13C-PCB-155	1.10e+07	1.41	y	34:10	0.99	7170					71.7	1.59e+06 1.13e+06
13C-PCB-111	1.75e+07	1.63	y	36:15	1.27	8830					88.3	2.43e+06 1.47e+06
13C-PCB-101	1.56e+07	1.64	y	34:36	-	44.5						
PCB-84	6.93e+05	1.47	y	34:16	0.70	369		-	-	*		Co-elute PCB 92
PCB-92	6.93e+05	1.47	y	34:16	0.70	369		-	-	*		Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		940	920	11.7		
PCB-90	1.29e+06	1.60	y	34:37	0.79	611		-	-	*		Co-elute PCB 101
PCB-101	1.29e+06	1.60	y	34:37	0.79	611		-	-	*		Co-elute PCB 90
PCB-113	6.40e+05	1.51	y	34:56	0.92	260		940	920	8.70		
PCB-99	6.40e+05	1.51	y	34:56	0.84	285		-	-	*		
PCB-119	6.55e+04	1.65	y	35:23	1.01	24.3		-	-	*		
PCB-83	8.09e+04	1.72	y	35:33	0.80	37.8		-	-	*		Co-elute PCB 112
PCB-112	8.09e+04	1.72	y	35:33	0.80	37.8		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		940	920	8.25		
PCB-97	3.24e+05	1.61	y	35:52	0.67	183		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		940	920	11.8		
PCB-125	4.55e+05	1.62	y	36:08	0.91	188		-	-	*		Co-elute PCB 87/117
PCB-87	4.55e+05	1.62	y	36:08	0.91	188		-	-	*		Co-elute PCB 125/117
PCB-117	4.55e+05	1.62	y	36:08	0.91	188		-	-	*		Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*		940	920	8.20		Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*		940	920	8.20		Co-elute PCB 111
PCB-85	1.91e+05	1.55	y	36:24	0.87	82.2		-	-	*		Co-elute PCB 116
PCB-116	1.91e+05	1.55	y	36:24	0.87	82.2		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		940	920	7.46		
PCB-110	1.52e+06	1.57	y	36:45	0.99	576		-	-	*		
PCB-82	8.32e+04	1.59	y	37:22	0.61	50.9		-	-	*		
PCB-124	6.77e+04	1.64	y	38:00	1.06	23.9		-	-	*		
PCB-108	1.02e+05	1.51	y	38:10	1.11	34.4		-	-	*		Co-elute PCB 107
PCB-107	1.02e+05	1.51	y	38:10	1.11	34.4		-	-	*		Co-elute PCB 108
PCB-123	3.03e+04	1.44	y	38:19	1.00	11.6	J	-	-	*		
13C-PCB-123	2.61e+07	1.58	y	38:18	1.29	11600					116	3.68e+06 2.35e+06
PCB-118	1.02e+06	1.47	y	38:29	1.07	364		-	-	*		Co-elute PCB 106
PCB-106	1.02e+06	1.47	y	38:29	1.07	364		-	-	*		Co-elute PCB 118
13C-PCB-118	2.62e+07	1.59	y	38:28	1.39	10800					108	3.41e+06 2.15e+06
PCB-114	3.74e+04	1.47	y	39:05	1.08	12.5	J	-	-	*		
13C-PCB-114	2.76e+07	1.65	y	39:05	1.37	11500					115	3.77e+06 2.26e+06
PCB-122	*	*	n	NotFnd	1.15	*		1300	1080	8.96		
PCB-105	3.65e+05	1.47	y	39:55	1.15	119		-	-	*		
13C-PCB-105	2.68e+07	1.59	y	39:53	1.37	11200					112	3.37e+06 2.17e+06

PCB-127	*	*	n	NotFnd	1.05	*		1300	1080	9.79				
PCB-126	*	*	n	NotFnd	1.07	*		1300	1080	9.41				
13C-PCB-126	2.64e+07	1.60	y	42:02	1.35	11200					112	3.67e+06	2.24e+06	
PCB-151	2.44e+05	1.23	y	37:45	0.85	147		-	-	*				
PCB-135	1.56e+05	1.20	y	37:58	0.80	99.1		-	-	*				
PCB-144	3.89e+04	1.29	y	38:11	1.06	18.8		-	-	*				
PCB-147	3.89e+04	1.29	y	38:11	0.96	20.8		-	-	*				
PCB-139	8.00e+05	1.28	y	38:26	0.99	415		-	-	*				Co-elute PCB 149
PCB-149	8.00e+05	1.28	y	38:26	0.99	415		-	-	*				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	0.95	*		820	680	8.84				
PCB-143	6.31e+04	1.09	y	39:02	0.81	39.8		-	-	*				Co-elute PCB 134
PCB-134	6.31e+04	1.09	y	39:02	0.81	39.8		-	-	*				Co-elute PCB 143
PCB-131	1.67e+06	1.25	y	39:27	0.84	1030		-	-	*				Co-elute PCB 133
PCB-133	1.67e+06	1.25	y	39:27	0.84	1030		-	-	*				Co-elute PCB 131
PCB-142	1.67e+06	1.25	y	39:27	0.83	1040		-	-	*				
PCB-165	1.71e+05	1.34	y	39:40	1.04	84.4		-	-	*				Co-elute PCB 146
PCB-146	1.71e+05	1.34	y	39:40	1.04	84.4		-	-	*				Co-elute PCB 165
PCB-161	3.09e+05	1.20	y	39:57	1.00	158		-	-	*				Co-elute PCB 132
PCB-132	3.09e+05	1.20	y	39:57	1.00	158		-	-	*				Co-elute PCB 161
PCB-153	9.84e+05	1.26	y	40:03	1.17	432		-	-	*				
PCB-168	*	*	n	NotFnd	1.18	*		820	680	7.14				
PCB-141	1.38e+05	1.25	y	40:46	0.93	76.1		-	-	*				
PCB-137	3.91e+04	1.32	y	41:07	0.88	22.9		-	-	*				
PCB-130	5.82e+04	1.14	y	41:12	0.87	34.2		-	-	*				
PCB-138	8.77e+05	1.25	y	41:34	1.14	396		-	-	*				Co-elute PCB 163/164
PCB-163	8.77e+05	1.25	y	41:34	1.14	396		-	-	*				Co-elute PCB 138/164
PCB-164	8.77e+05	1.25	y	41:34	1.14	396		-	-	*				Co-elute PCB 138/163
PCB-158	1.12e+05	1.14	y	41:47	1.25	46.0		-	-	*				Co-elute PCB 160
PCB-160	1.12e+05	1.14	y	41:47	1.25	46.0		-	-	*				Co-elute PCB 158
PCB-129	4.48e+04	1.17	y	42:00	0.81	28.4		-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*		820	680	6.93				
PCB-159	*	*	n	NotFnd	1.33	*		820	680	6.36				
PCB-128	1.46e+05	1.25	y	43:03	1.06	70.6		-	-	*				Co-elute PCB 162
PCB-162	1.46e+05	1.25	y	43:03	1.06	70.6		-	-	*				Co-elute PCB 128
PCB-167	3.76e+04	1.11	y	43:24	1.23	15.4	J	-	-	*				
13C-PCB-167	1.97e+07	1.29	y	43:24	1.14	9920					99.2	2.61e+06	2.02e+06	
PCB-156	6.51e+04	1.28	y	44:40	1.29	25.9		-	-	*				
13C-PCB-156	1.95e+07	1.30	y	44:36	1.12	9960					99.6	2.42e+06	1.85e+06	
PCB-157	*	*	n	NotFnd	1.24	*		820	680	7.08				
13C-PCB-157	1.99e+07	1.29	y	44:53	1.14	9960					99.6	2.38e+06	1.87e+06	
PCB-169	1.28e+04	0.89	n	46:51	1.20	5.60		820	680	6.63				
13C-PCB-169	1.90e+07	1.28	y	46:45	1.17	9330					93.3	2.66e+06	2.04e+06	

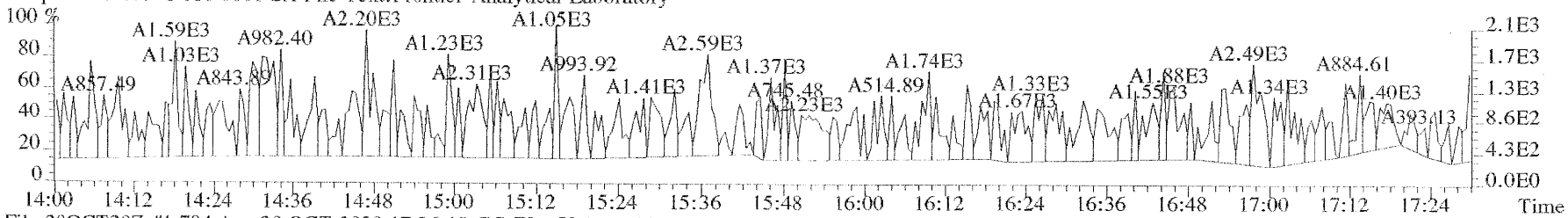
PCB-188	*	*	n	NotFnd	1.21	*	630	700	8.98			
13C-PCB-188	1.25e+07	1.05	y	39:40	0.86	8310				83.1	1.53e+06	1.53e+06
PCB-184	1.02e+07	1.10	y	40:08	1.31	6590	-	-	*			
PCB-179	7.71e+04	1.12	y	40:52	1.28	51.4	-	-	*			
PCB-176	*	*	n	NotFnd	1.26	*	630	700	8.52			
PCB-186	*	*	n	NotFnd	1.22	*	630	700	8.81			
PCB-178	*	*	n	NotFnd	0.90	*	630	700	12.0			
PCB-175	*	*	n	NotFnd	0.93	*	630	700	11.6			
PCB-187	1.22e+05	1.18	y	42:49	1.02	101	-	-	*		Co-elute PCB 182	
PCB-182	1.22e+05	1.18	y	42:49	1.02	101	-	-	*		Co-elute PCB 187	
PCB-183	6.19e+04	1.12	y	43:07	0.99	53.1	-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*	630	700	11.4			
PCB-174	7.67e+04	0.93	y	44:05	0.94	69.9	-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*	630	700	11.8			
PCB-177	5.55e+04	1.17	y	44:20	0.84	56.2	-	-	*			
PCB-171	2.72e+04	1.06	y	44:38	0.92	25.3	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*	630	700	13.0			
PCB-172	1.66e+05	1.03	y	45:24	0.87	163	-	-	*			
PCB-192	7.42e+06	1.07	y	45:36	1.14	5560	-	-	*			
PCB-180	1.35e+05	1.09	y	45:47	0.89	129	-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*	630	700	8.73			
PCB-191	*	*	n	NotFnd	1.27	*	630	700	8.49			
PCB-170	4.97e+04	1.17	y	47:04	0.89	47.4	-	-	*			
PCB-190	*	*	n	NotFnd	1.18	*	630	700	9.08			
PCB-189	*	*	n	NotFnd	1.21	*	630	700	8.77			
13C-PCB-189	1.10e+07	1.07	y	48:23	0.88	7150				71.5	1.60e+06	1.52e+06
PCB-202	*	*	n	NotFnd	1.16	*	489	530	13.2			
PCB-201	*	*	n	NotFnd	1.24	*	489	530	12.3			
PCB-204	1.28e+07	0.94	y	45:24	1.26	13000	-	-	*			
PCB-197	7.21e+04	0.86	y	45:39	1.29	71.3	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	489	530	12.1			
PCB-198	*	*	n	NotFnd	0.91	*	489	530	16.9			
PCB-199	*	*	n	NotFnd	0.95	*	489	530	16.0			
PCB-203	2.25e+04	0.80	y	47:54	1.01	28.3	-	-	*		Co-elute PCB 196	
PCB-196	2.25e+04	0.80	y	47:54	1.01	28.3	-	-	*		Co-elute PCB 203	
13C-PCB-202	7.82e+06	0.95	y	44:48	0.68	6640				66.4	8.08e+05	8.57e+05
13C-PCB-178	7.41e+06	1.09	y	42:18	0.70	6040				60.4	7.68e+05	7.15e+05
13C-PCB-138	1.74e+07	1.29	y	41:32	-	44.1						
PCB-195	*	*	n	NotFnd	0.85	*	1680	1850	15.5			
PCB-194	6.25e+04	0.90	y	49:49	0.94	33.7	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*	1680	1850	11.8			
13C-PCB-205	1.97e+07	0.91	y	50:03	1.22	9690				96.9	3.13e+06	3.55e+06
PCB-208	*	*	n	NotFnd	1.11	*	1240	1280	11.8			
13C-PCB-208	1.50e+07	0.83	y	49:08	0.98	9140				91.4	2.19e+06	2.64e+06
PCB-207	8.85e+04	1.26	y	49:26	1.26	53.7	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	1240	1280	14.3			
13C-PCB-206	1.12e+07	0.79	y	51:15	0.75	8930				89.3	1.69e+06	2.11e+06
PCB-209	8.04e+04	1.23	y	52:27	1.22	65.4	-	-	*			
13C-PCB-209	1.01e+07	1.23	y	52:26	0.80	7590				75.9	1.66e+06	1.33e+06
13C-PCB-194	1.66e+07	0.92	y	49:48	-	39.9						

Analyst: _____ Date: 10/28/20

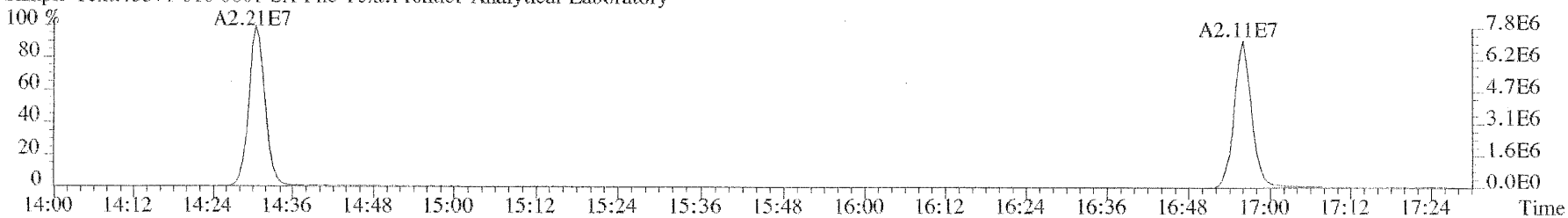
File:20OCT20Z #1-784 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



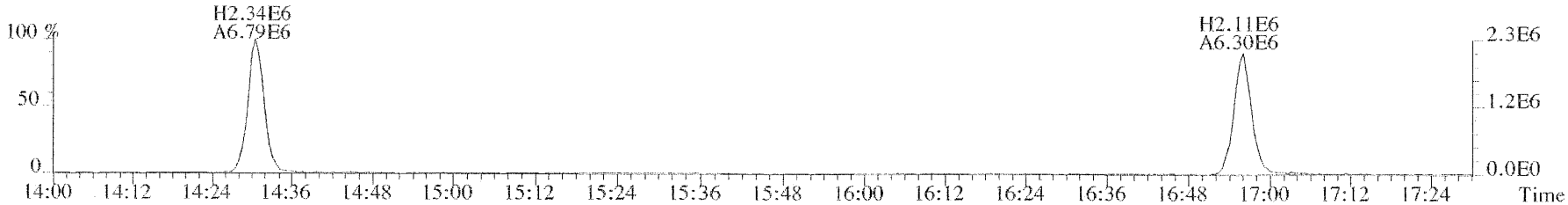
File:20OCT20Z #1-784 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



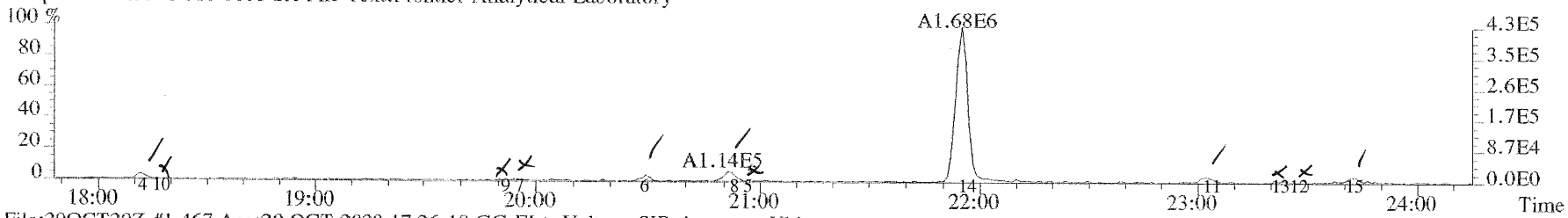
File:20OCT20Z #1-784 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



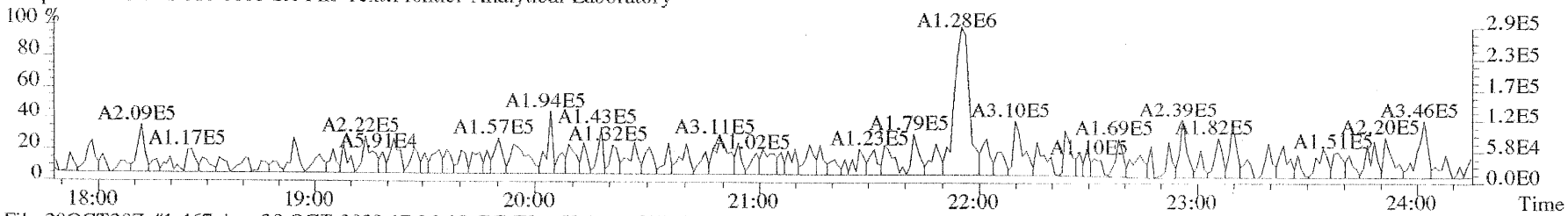
File:20OCT20Z #1-784 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



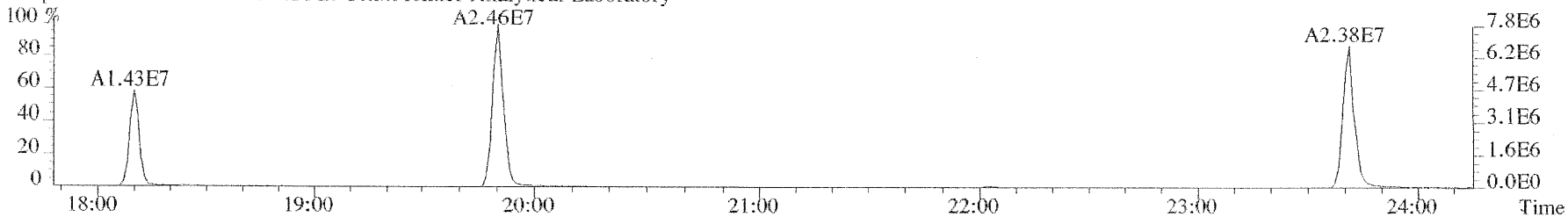
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



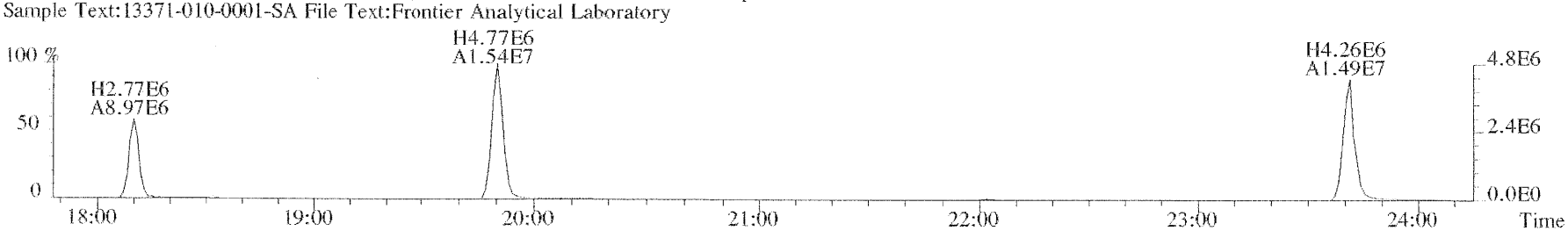
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



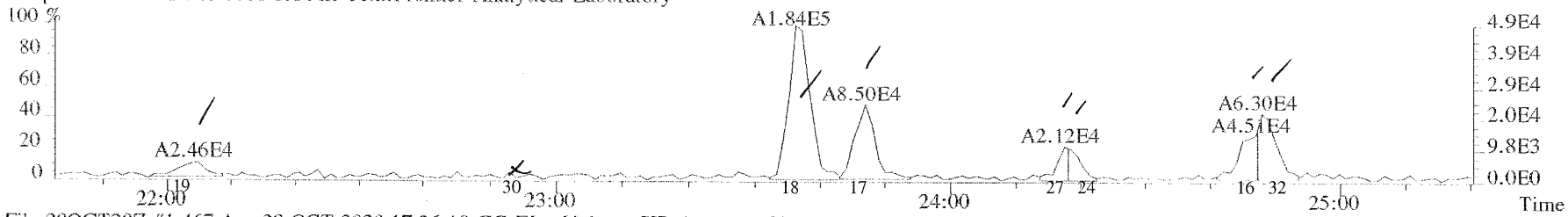
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



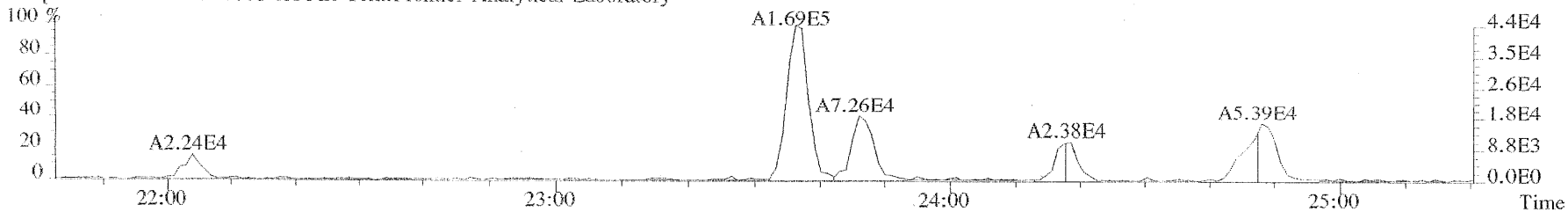
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



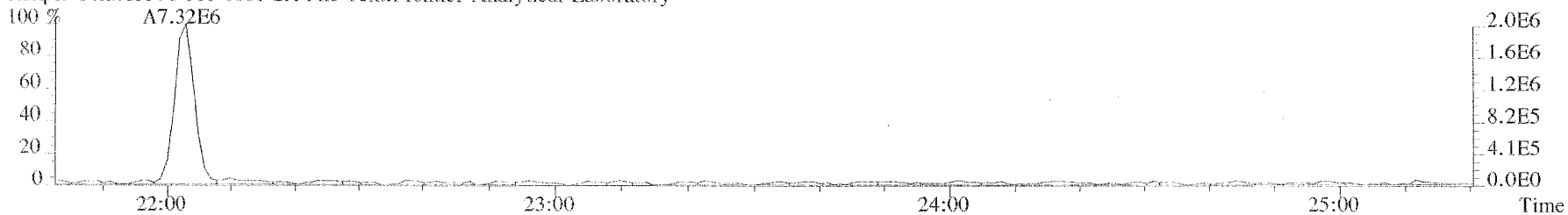
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



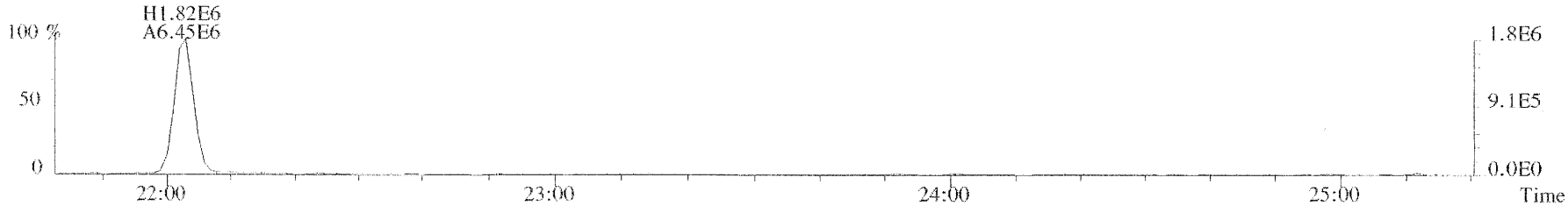
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



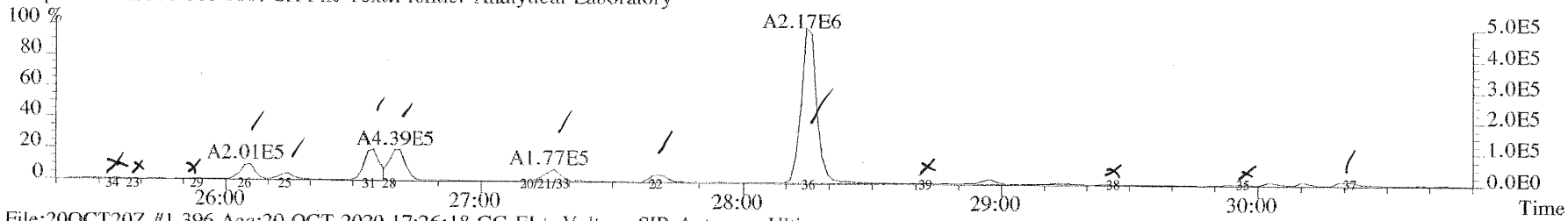
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



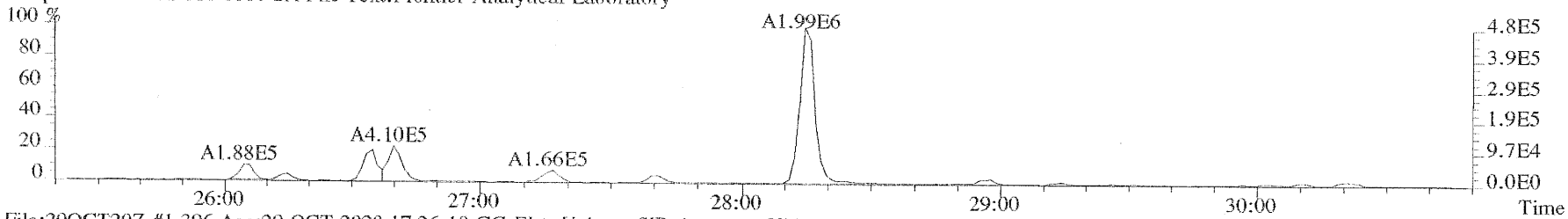
File:20OCT20Z #1-467 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



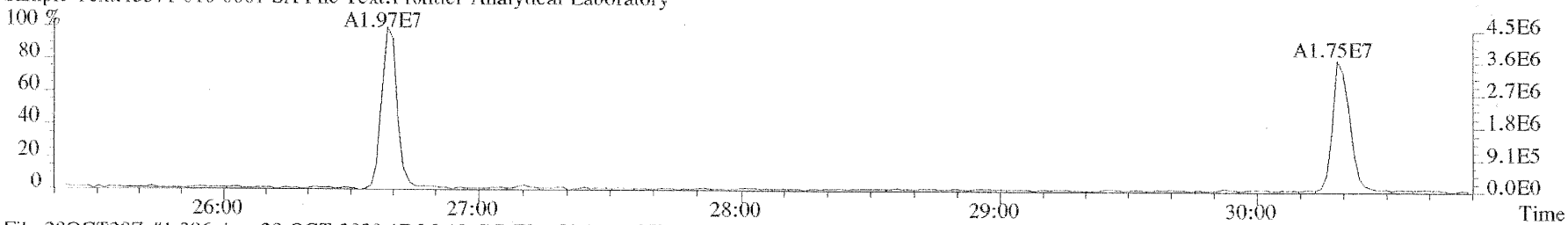
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



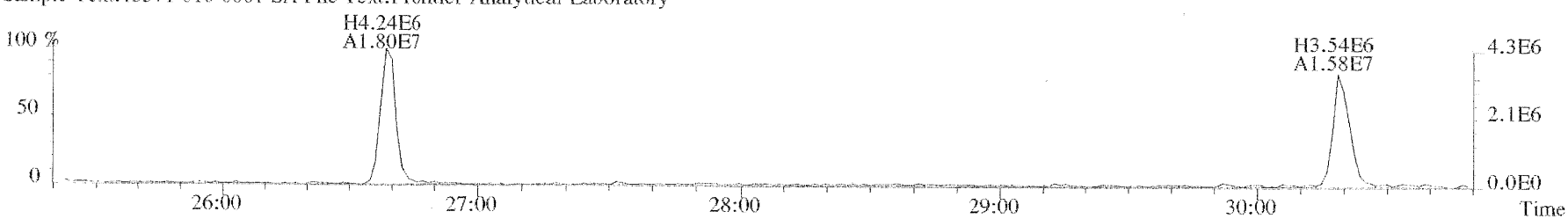
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



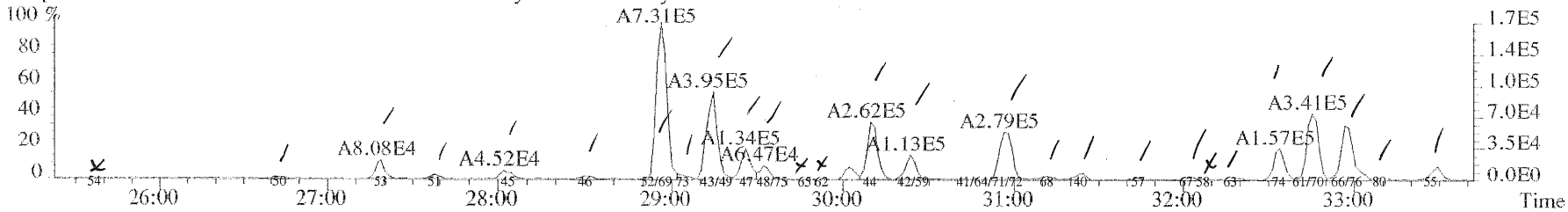
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



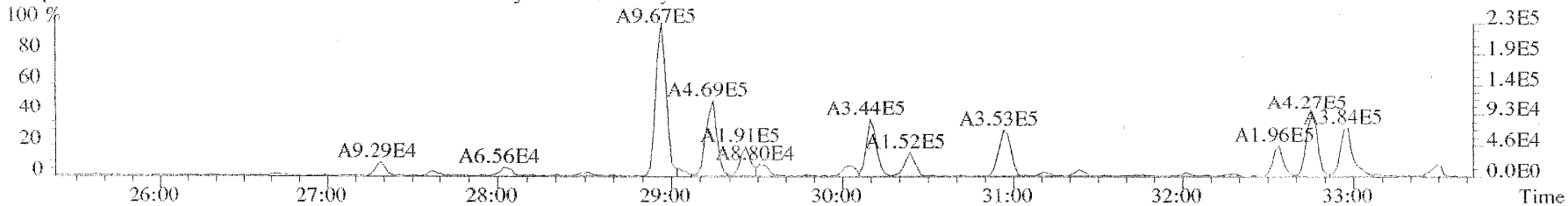
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



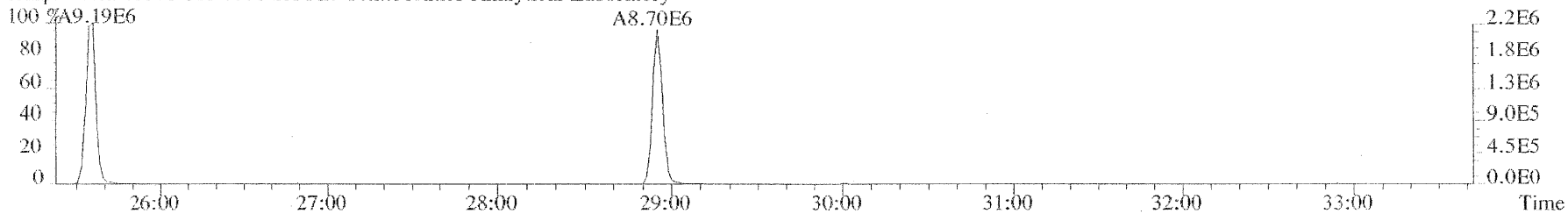
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



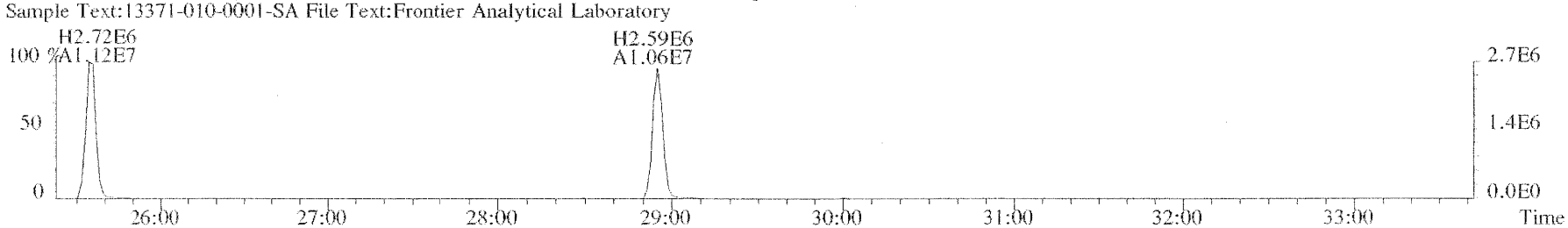
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



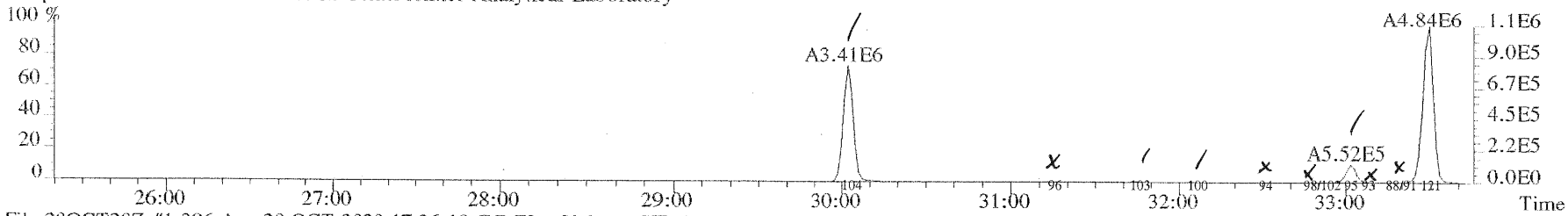
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



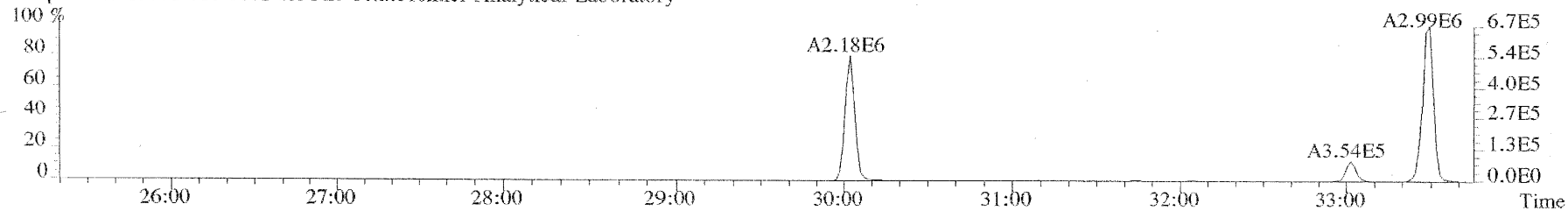
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



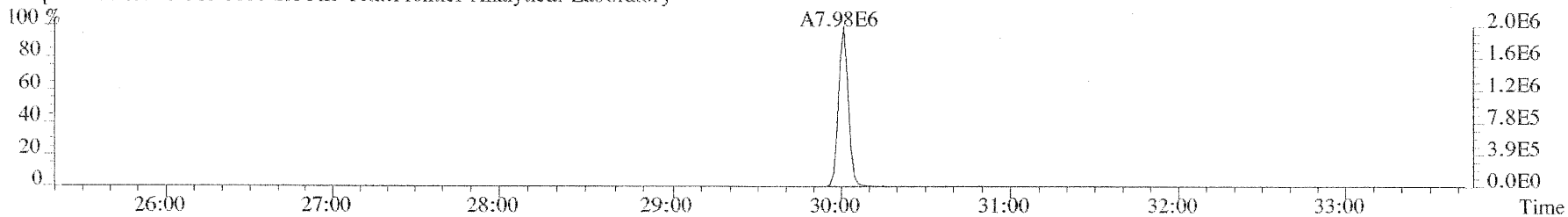
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



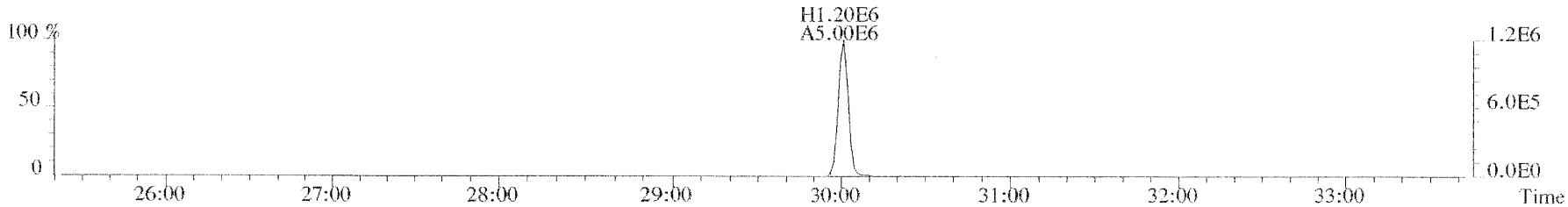
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



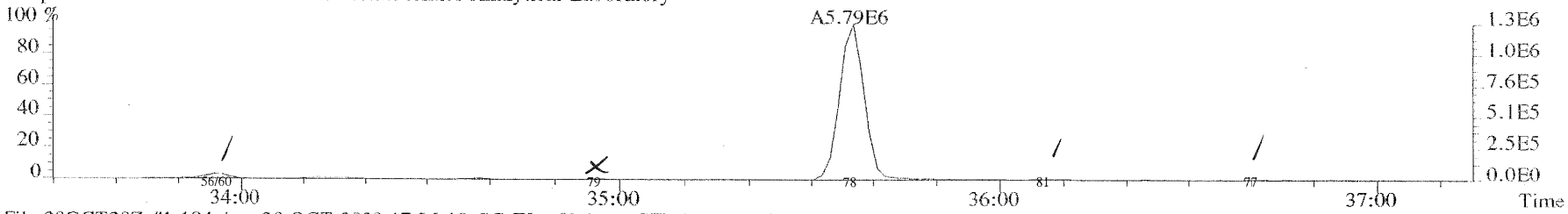
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



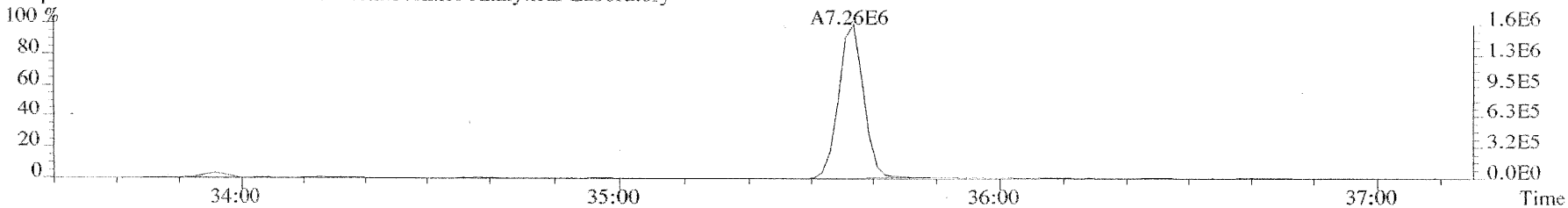
File:20OCT20Z #1-396 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



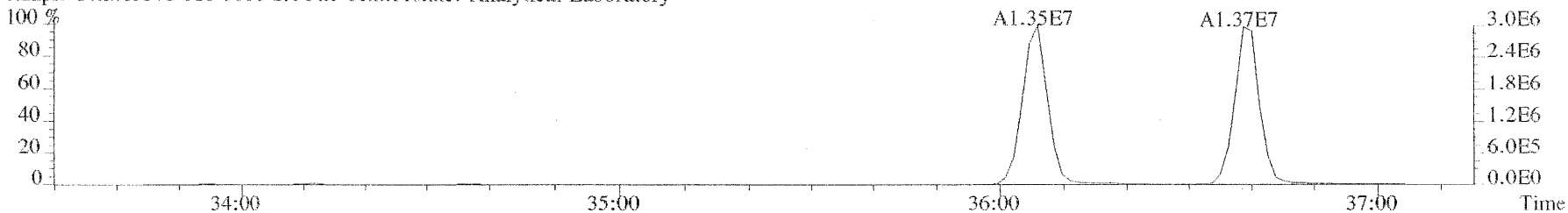
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



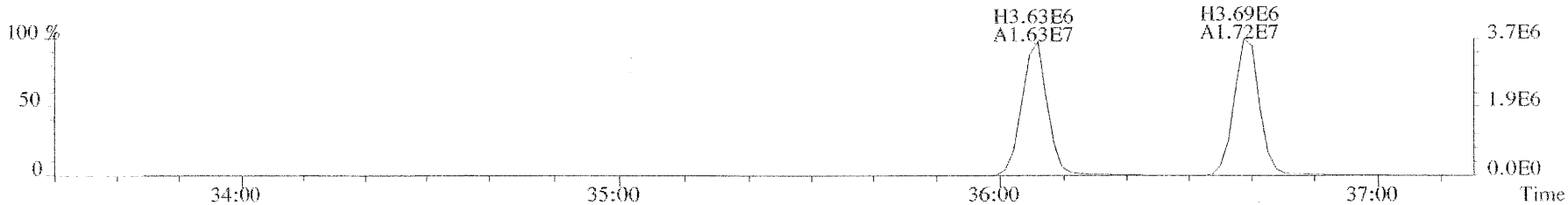
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



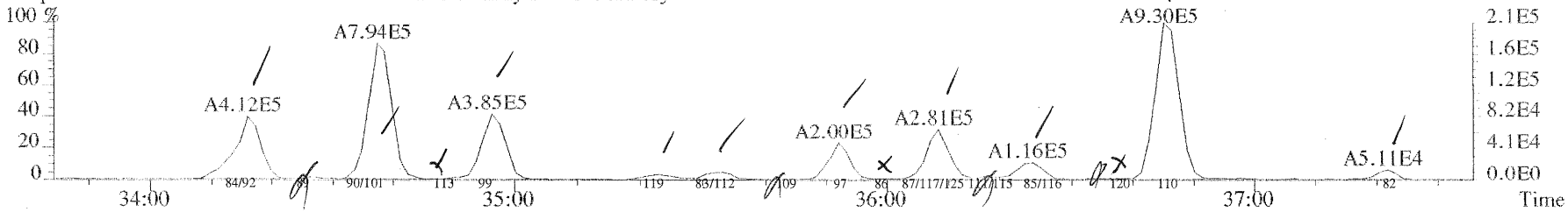
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



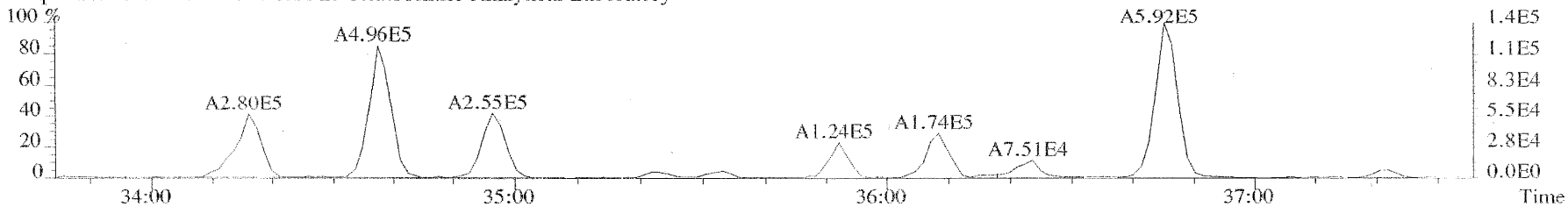
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



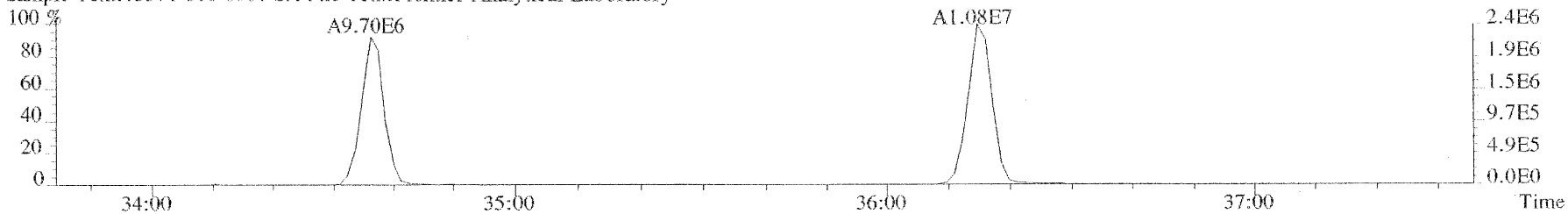
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



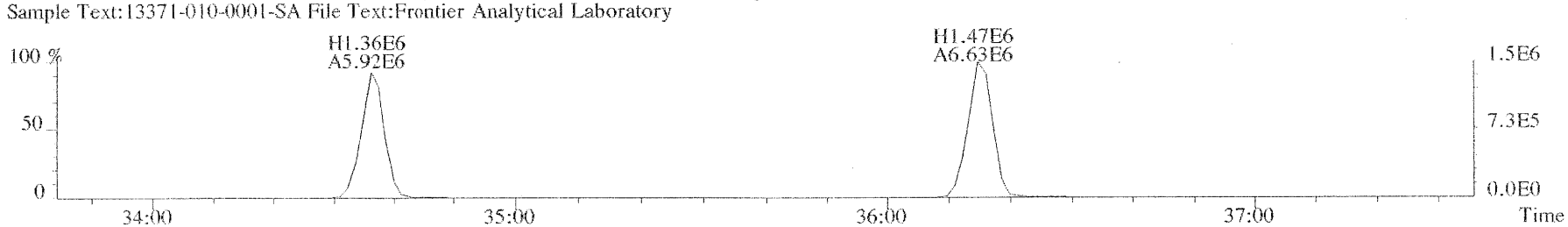
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



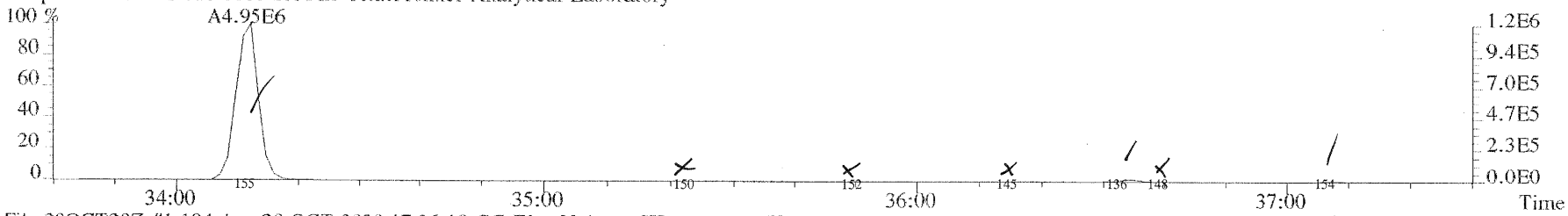
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



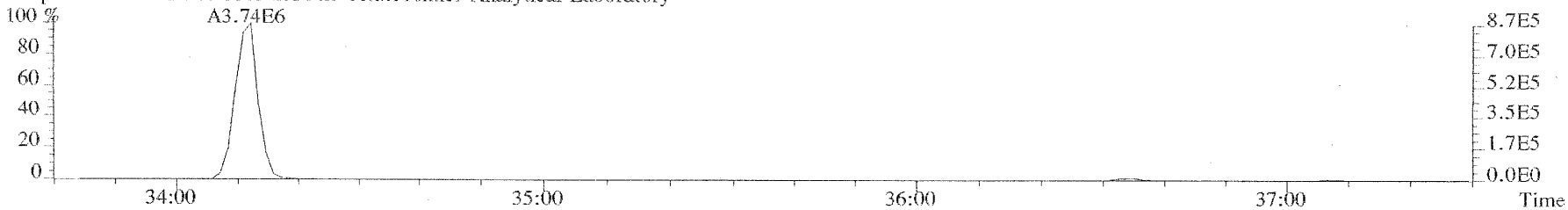
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



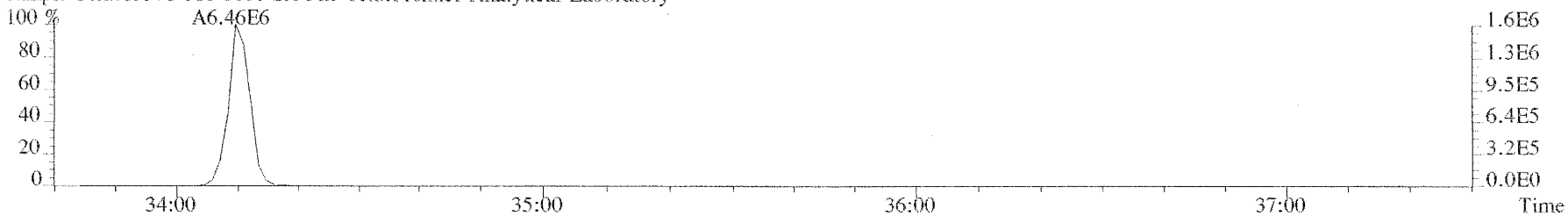
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



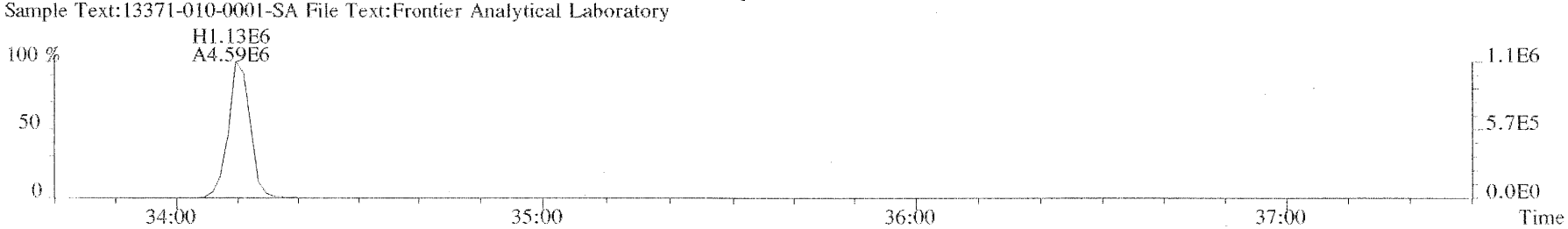
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



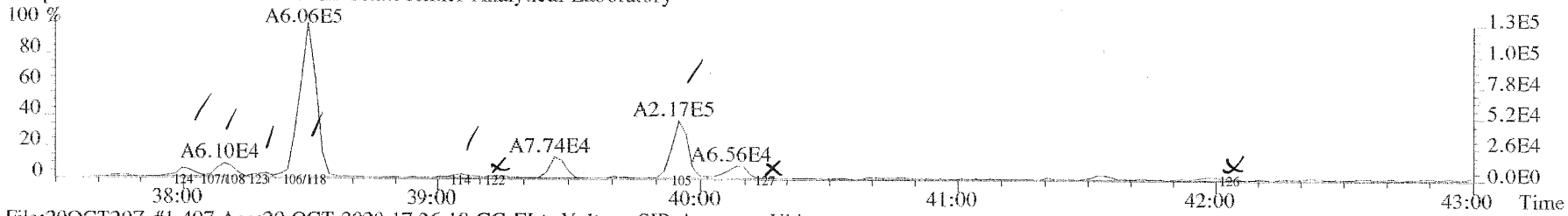
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



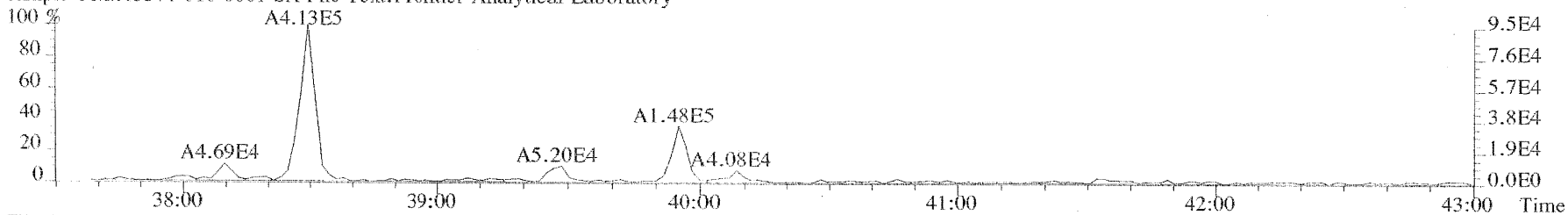
File:20OCT20Z #1-184 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



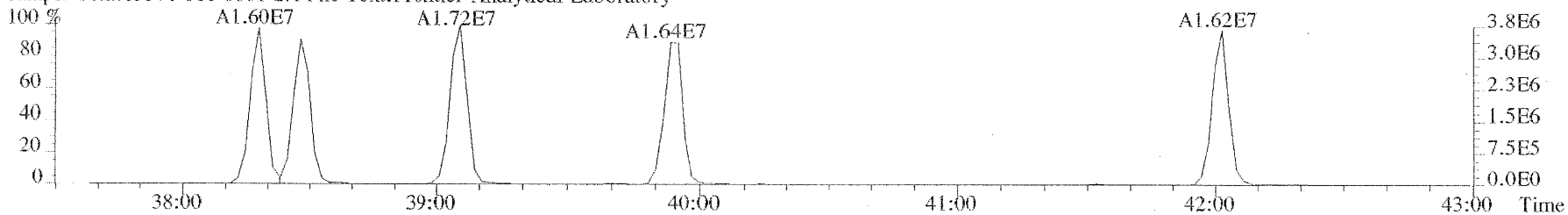
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



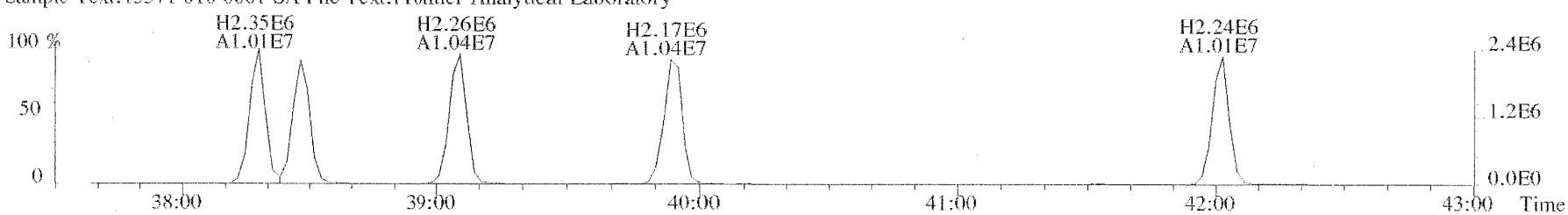
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



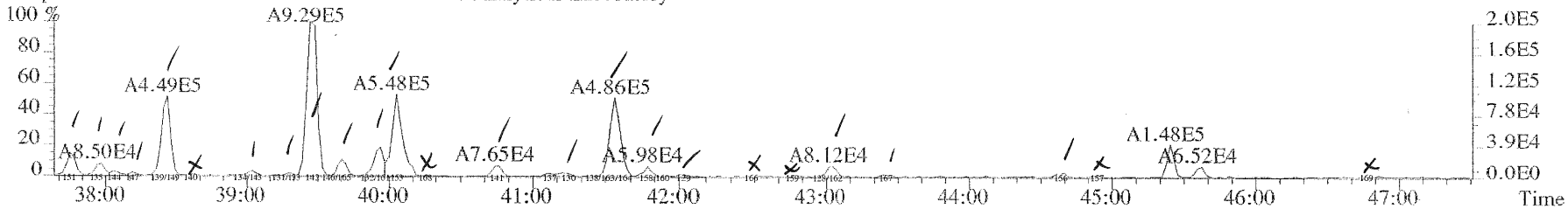
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



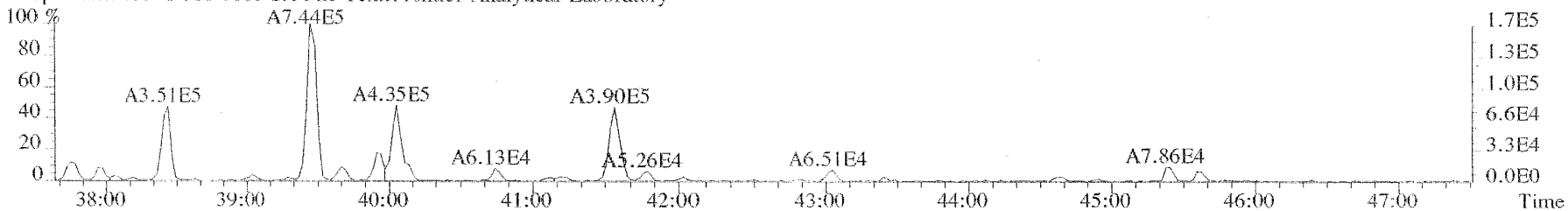
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



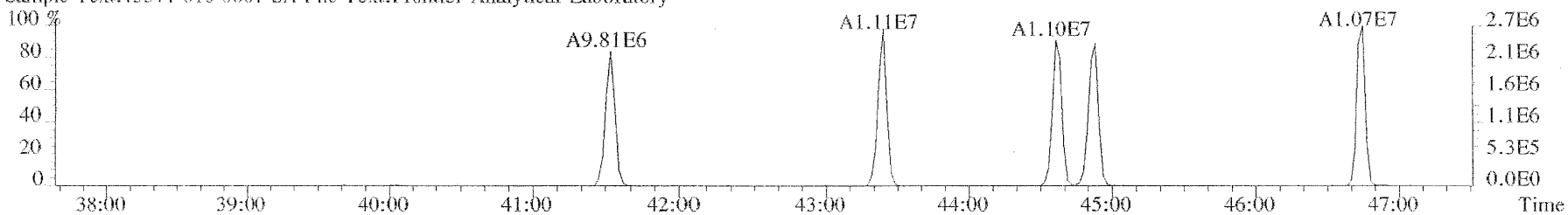
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



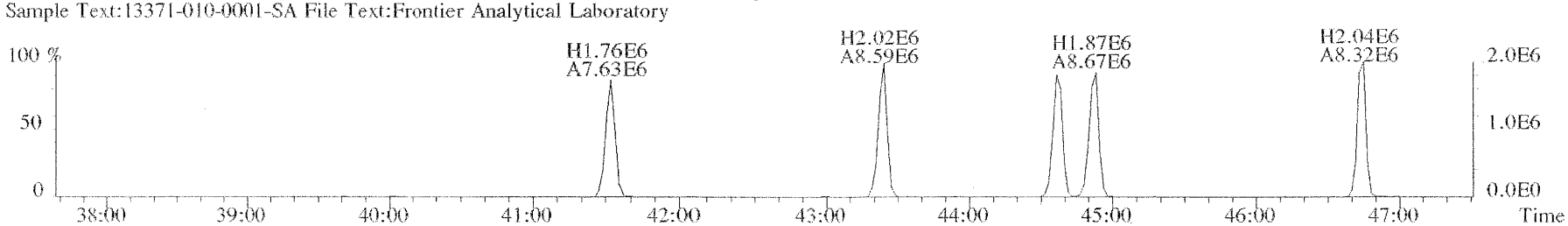
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



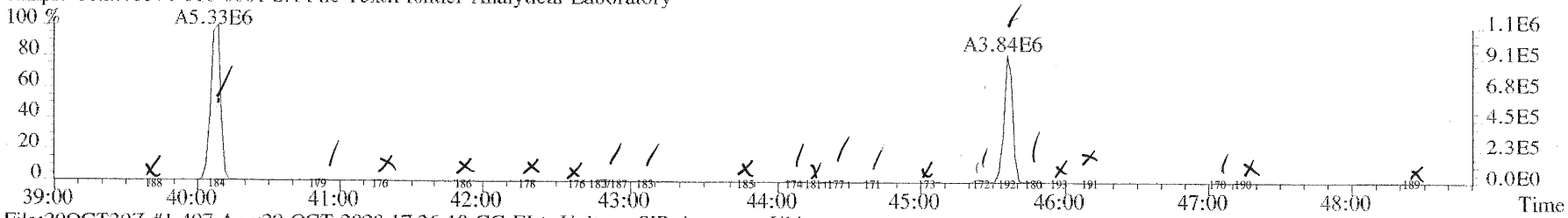
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



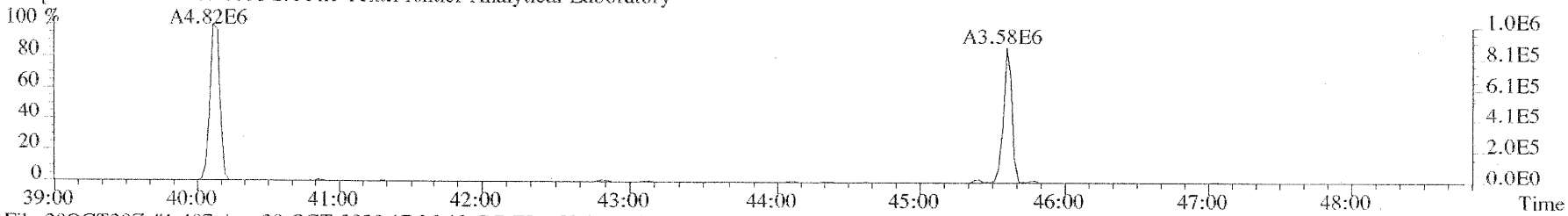
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



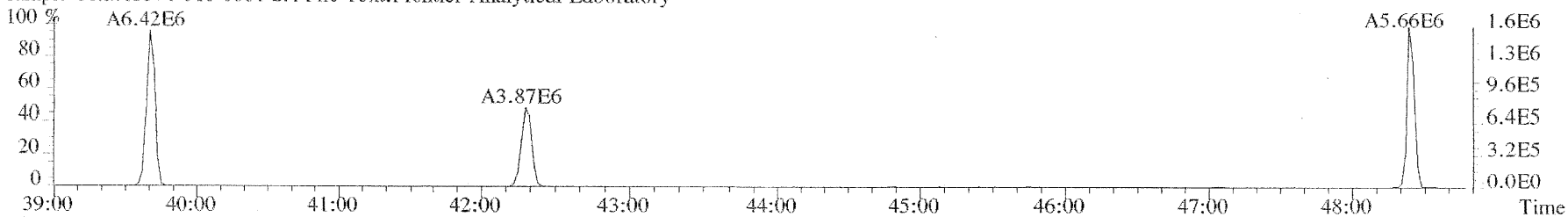
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



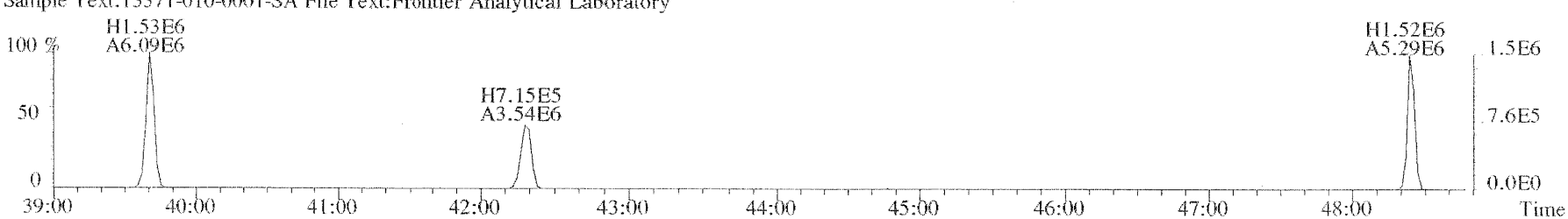
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



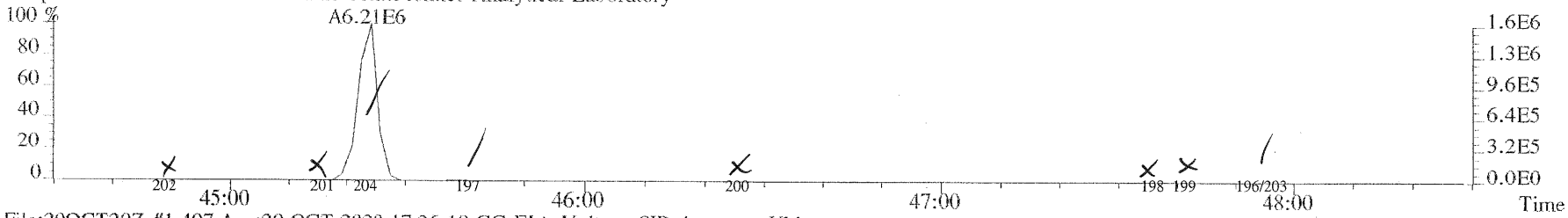
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



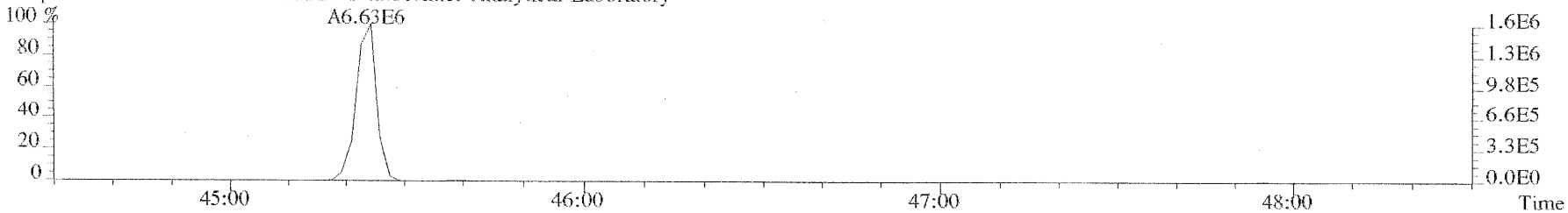
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



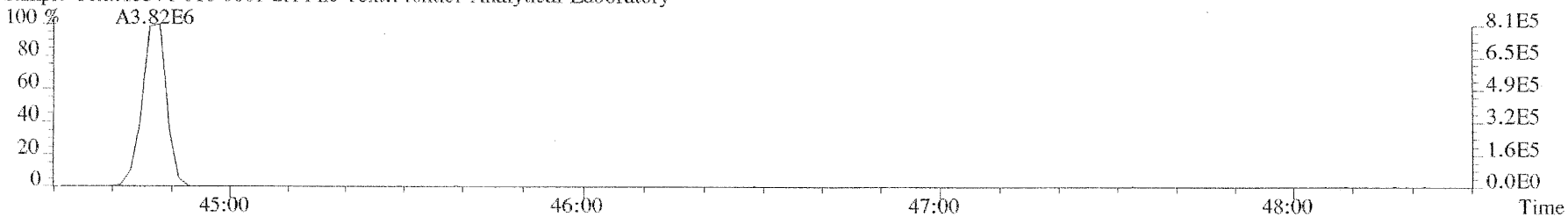
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



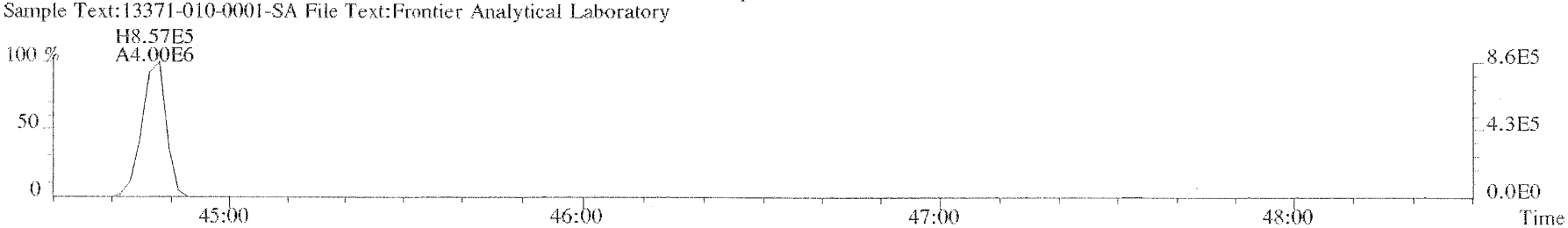
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



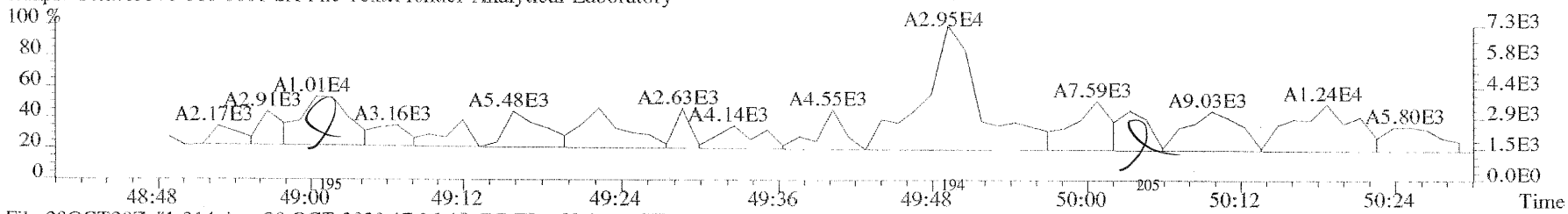
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



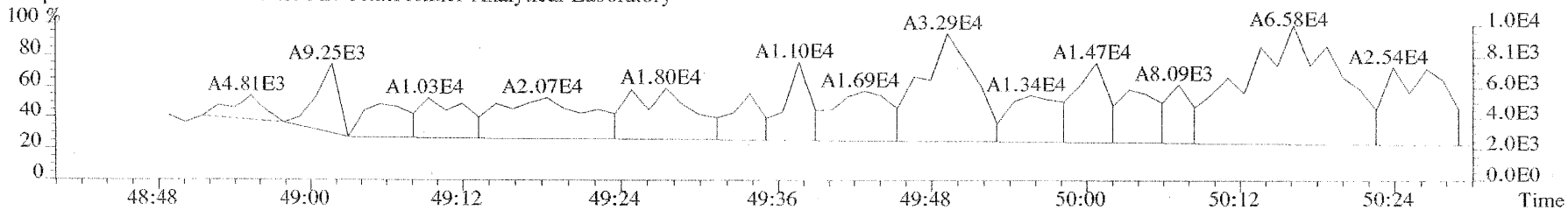
File:20OCT20Z #1-407 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



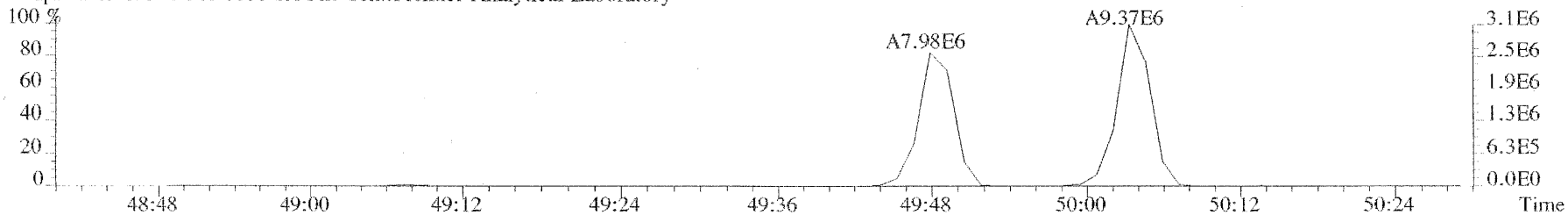
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



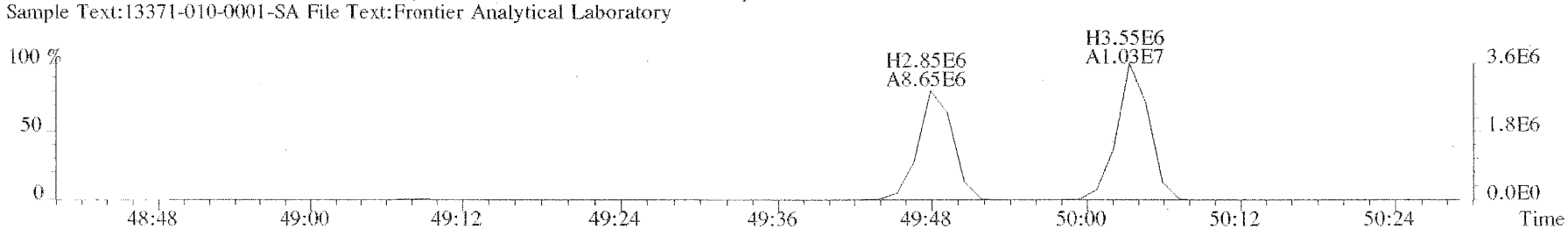
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



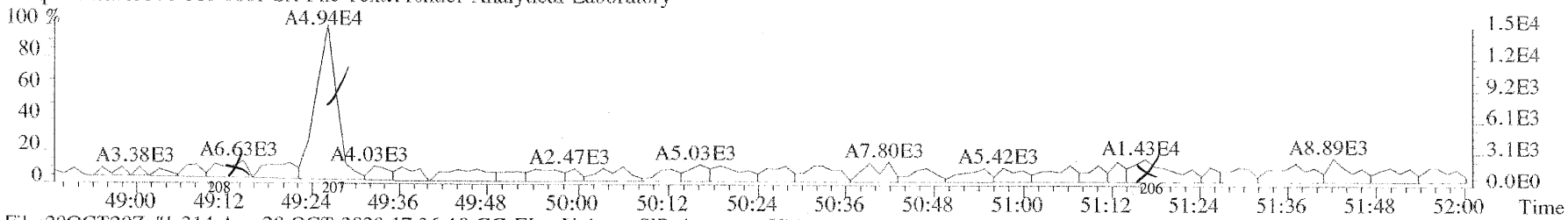
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



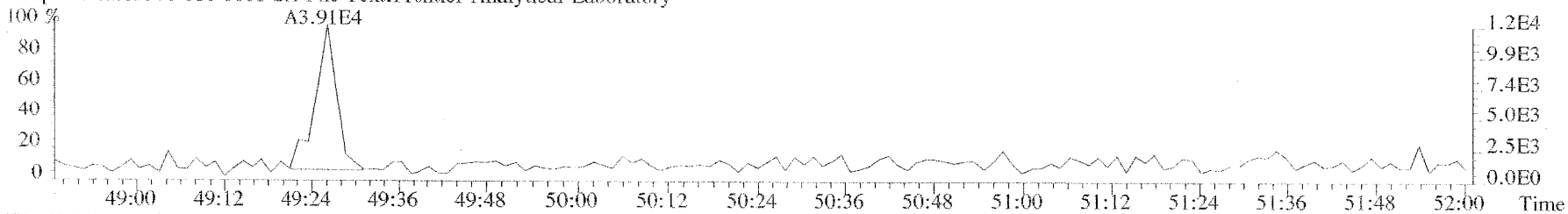
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



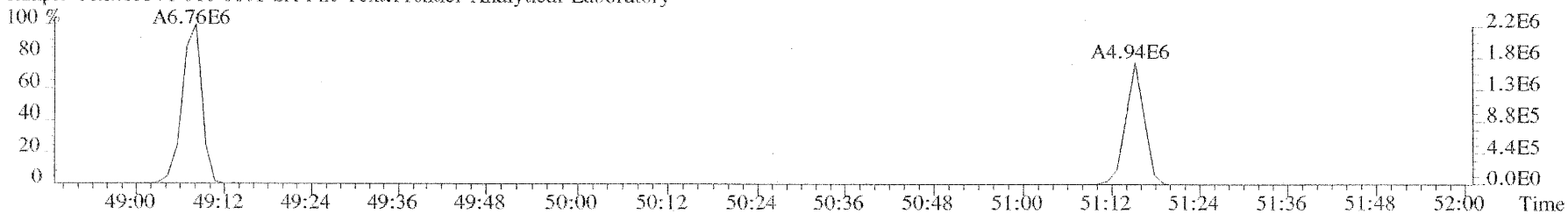
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



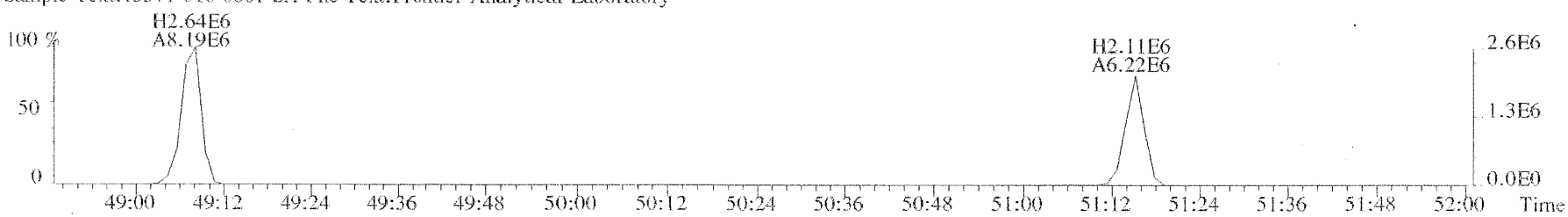
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



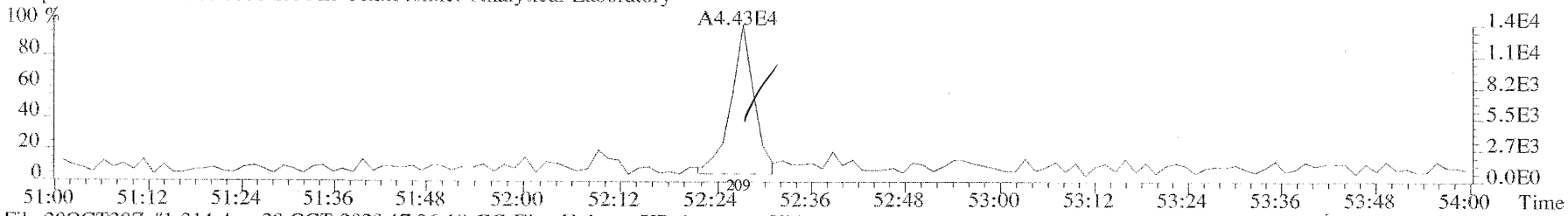
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



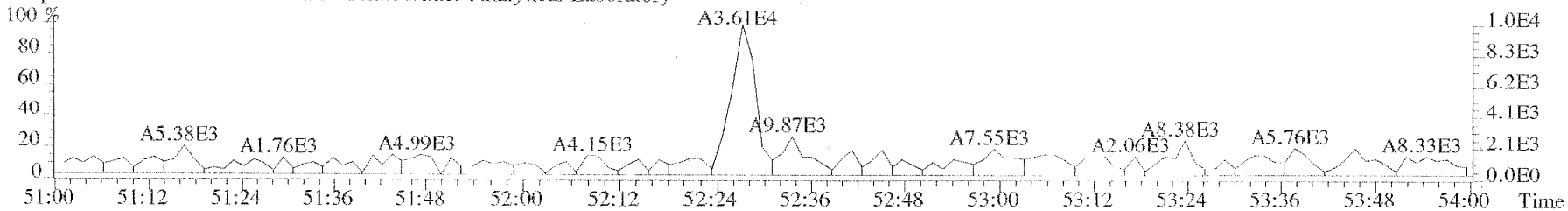
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



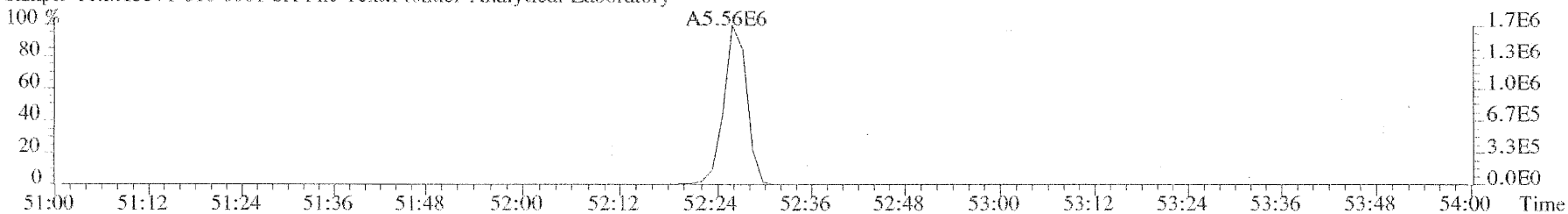
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



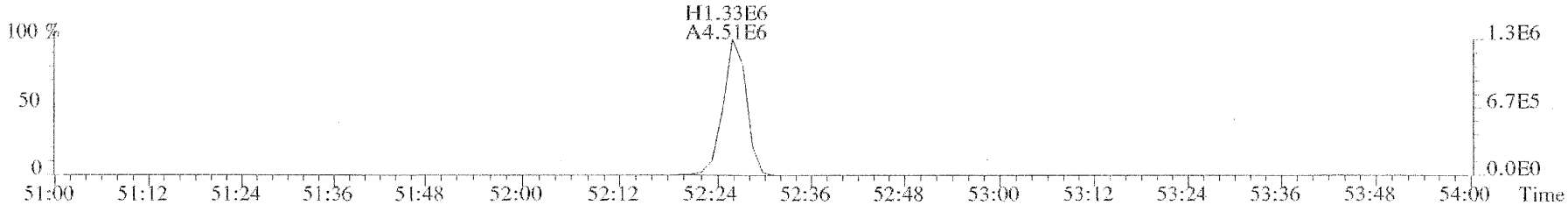
File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 17:26:18 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-010-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-013-0001-SA Filename: 20OCT20Z Sam:11 Acquired: 20-OCT-20 18:24:39 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-SC-ENR+AC-CA-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1450	1070	6.86			
13C-PCB-1	2.01e+07	3.31 y	14:29	0.87	7350					73.5	5.30e+06	1.62e+06
PCB-2	*	* n	NotFnd	1.31	*		1450	1070	7.42			
PCB-3	*	* n	NotFnd	1.32	*		1450	1070	7.93			
13C-PCB-3	1.99e+07	3.22 y	16:55	0.82	7660					76.6	4.66e+06	1.42e+06
PCB-4	2.07e+05	1.46 y	18:11	1.06	123		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		840	2630	11.6			
13C-PCB-4	1.59e+07	1.59 y	18:09	0.65	7740					77.4	2.62e+06	1.66e+06
PCB-9	6.41e+04	1.52 y	19:52	1.28	22.8		-	-	*			
PCB-7	*	* n	NotFnd	1.33	*		840	2630	11.3			
PCB-6	1.75e+05	1.45 y	20:29	1.42	56.4		-	-	*			
PCB-8	6.53e+05	1.49 y	20:52	1.27	234		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		840	2630	12.3			
PCB-14	1.89e+06	1.46 y	21:55	1.28	673		-	-	*			
PCB-11	1.16e+05	1.43 y	23:03	1.23	43.1		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		840	2630	12.3			
PCB-12	*	* n	NotFnd	1.25	*		840	2630	12.1			
PCB-15	1.80e+05	1.52 y	23:43	1.12	57.1		-	-	*			
13C-PCB-15	2.80e+07	1.64 y	23:41	1.02	8750					87.5	4.39e+06	2.75e+06
PCB-19	1.74e+05	1.17 y	22:04	1.27	152		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		2190	472	13.1			
PCB-18	1.14e+06	1.11 y	23:37	1.28	980		-	-	*			
PCB-17	5.90e+05	1.01 y	23:47	1.42	460		-	-	*			
PCB-27	7.76e+04	1.08 y	24:17	1.89	45.3		-	-	*			
PCB-24	9.92e+04	1.15 y	24:19	1.83	59.9		-	-	*			
PCB-16	4.75e+05	1.06 y	24:47	1.61	326		-	-	*			
PCB-32	5.45e+05	1.16 y	24:49	1.67	362		-	-	*			
13C-PCB-19	9.04e+06	1.18 y	22:03	0.42	6860					68.6	1.39e+06	1.27e+06
13C-PCB-9	3.15e+07	1.63 y	19:50	-	43.0							
PCB-34	*	* n	NotFnd	1.07	*		1230	1010	10.4			
PCB-23	*	* n	NotFnd	1.13	*		1230	1010	9.84			
PCB-29	*	* n	NotFnd	1.09	*		1230	1010	10.1			
PCB-26	4.63e+05	1.06 y	26:06	1.07	181		-	-	*			
PCB-25	2.24e+05	0.98 y	26:14	1.06	88.2		-	-	*			
PCB-31	2.06e+06	1.03 y	26:35	1.32	650		-	-	*			
PCB-28	2.32e+06	1.05 y	26:41	1.32	734		-	-	*			
PCB-20	1.42e+06	1.09 y	27:16	1.08	548		-	-	*		Co-elute PCB 21/33	
PCB-21	1.42e+06	1.09 y	27:16	1.08	548		-	-	*		Co-elute PCB 20/33	
PCB-33	1.42e+06	1.09 y	27:16	1.08	548		-	-	*		Co-elute PCB 20/21	
PCB-22	7.28e+05	1.09 y	27:40	1.20	252		-	-	*			
PCB-36	2.60e+06	1.05 y	28:16	1.13	956		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1230	1010	9.81			
PCB-38	*	* n	NotFnd	1.08	*		1230	1010	10.2			
PCB-35	*	* n	NotFnd	1.10	*		1230	1010	10.1			
PCB-37	3.23e+05	1.19 y	30:21	1.14	118		-	-	*			
13C-PCB-37	2.40e+07	1.10 y	30:20	1.64	9730					97.3	2.65e+06	2.40e+06

PCB-54	*	*	n	NotFnd	1.36	*		756	1060	8.99			
PCB-50	*	*	n	NotFnd	1.06	*		756	1060	11.5			
PCB-53	3.65e+05	0.76	y	27:19	1.04	233		-	-	*			
PCB-51	1.42e+05	0.87	y	27:38	1.10	86.0		-	-	*			
PCB-45	3.27e+05	0.80	y	28:03	0.92	237		-	-	*			
PCB-46	1.36e+05	0.75	y	28:30	0.88	102		-	-	*			
PCB-52	1.97e+06	0.75	y	28:56	1.15	1140		-	-	*	Co-elute PCB 69		
PCB-69	1.97e+06	0.75	y	28:56	1.15	1140		-	-	*	Co-elute PCB 52		
PCB-73	6.57e+04	0.72	y	29:03	1.32	33.0		-	-	*			
PCB-43	1.36e+06	0.80	y	29:14	0.99	906		-	-	*	Co-elute PCB 49		
PCB-49	1.36e+06	0.80	y	29:14	0.99	906		-	-	*	Co-elute PCB 43		
PCB-47	5.05e+05	0.78	y	29:25	1.01	332		-	-	*			
PCB-48	4.47e+05	0.80	y	29:32	1.31	225		-	-	*	Co-elute PCB 75		
PCB-75	4.47e+05	0.80	y	29:32	1.31	225		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*		756	1060	9.21			
PCB-62	*	*	n	NotFnd	1.28	*		756	1060	9.57			
PCB-44	1.19e+06	0.81	y	30:11	0.87	906		-	-	*			
PCB-42	5.90e+05	0.81	y	30:23	1.14	344		-	-	*	Co-elute PCB 59		
PCB-59	5.90e+05	0.81	y	30:23	1.14	344		-	-	*	Co-elute PCB 42		
PCB-72	1.45e+06	0.77	y	30:58	1.28	750		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.45e+06	0.77	y	30:58	1.28	750		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.45e+06	0.77	y	30:58	1.28	750		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.45e+06	0.77	y	30:58	1.28	750		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.25e+04	0.85	y	31:12	1.49	18.9	J	-	-	*			
PCB-40	2.17e+05	0.67	y	31:23	0.81	177		-	-	*			
PCB-57	2.46e+04	0.82	y	31:43	1.41	11.6	J	-	-	*			
PCB-67	8.78e+04	0.74	y	32:01	1.42	40.9		-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		756	1060	8.83			
PCB-63	6.93e+04	0.68	y	32:17	1.40	32.9		-	-	*			
PCB-74	7.00e+05	0.77	y	32:34	1.42	326		-	-	*			
PCB-61	1.43e+06	0.76	y	32:45	1.28	742		-	-	*	Co-elute PCB 70		
PCB-70	1.43e+06	0.76	y	32:45	1.28	742		-	-	*	Co-elute PCB 61		
PCB-76	1.30e+06	0.76	y	32:56	1.49	578		-	-	*	Co-elute PCB 66		
PCB-66	1.30e+06	0.76	y	32:56	1.49	578		-	-	*	Co-elute PCB 76		
PCB-80	3.59e+04	0.67	y	33:08	1.69	14.1	J	-	-	*			
PCB-55	1.50e+05	0.79	y	33:28	1.49	66.6		-	-	*			
13C-PCB-54	1.51e+07	0.80	y	25:35	1.13	8890						88.9	1.62e+06	2.09e+06
PCB-104	3.80e+06	1.59	y	30:02	1.18	3430		-	-	*			
PCB-96	1.73e+04	1.45	y	31:14	1.15	16.0	J	-	-	*			
PCB-103	3.67e+04	1.70	y	31:44	0.95	40.9		-	-	*			
PCB-100	4.36e+04	1.33	y	32:05	0.96	48.4		-	-	*			
PCB-94	1.01e+04	1.44	y	32:31	0.79	13.5	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*		376	444	10.3	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		376	444	10.3	Co-elute PCB 98		
PCB-95	9.55e+05	1.54	y	33:01	0.83	1220		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		376	444	10.6			
PCB-88	*	*	n	NotFnd	0.87	*		376	444	10.1	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*		376	444	10.1	Co-elute PCB 88		
PCB-121	5.66e+06	1.60	y	33:29	1.18	5090		-	-	*			
13C-PCB-104	9.43e+06	1.53	y	30:01	0.90	6980						69.8	1.39e+06	9.23e+05
13C-PCB-28	2.87e+07	1.10	y	26:40	1.90	10000						100	3.62e+06	3.34e+06
13C-PCB-52	1.51e+07	0.81	y	28:55	-	37.9								

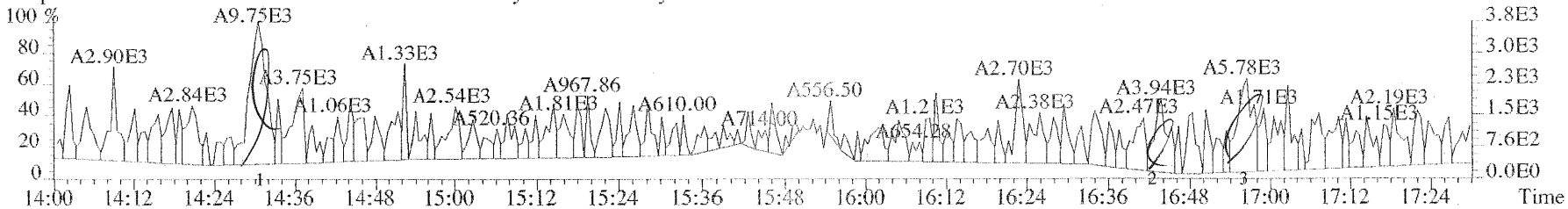
PCB-56	1.05e+06	0.78	y	33:56	1.10	451		-	-	*		Co-elute PCB 60
PCB-60	1.05e+06	0.78	y	33:56	1.10	451		-	-	*		Co-elute PCB 56
PCB-79	3.26e+04	0.76	y	34:56	1.25	12.4	J	-	-	*		
PCB-78	8.75e+06	0.78	y	35:37	1.21	3420		-	-	*		
PCB-81	3.57e+04	0.78	y	36:08	1.30	13.9	J	-	-	*		
13C-PCB-81	1.98e+07	0.84	y	36:05	1.63	9660					96.6	2.12e+06 2.47e+06
PCB-77	9.87e+04	0.86	y	36:40	1.16	38.1		-	-	*		
13C-PCB-77	2.24e+07	0.81	y	36:39	1.71	10500					105	2.46e+06 3.03e+06
PCB-155	6.09e+06	1.32	y	34:11	1.22	5190		-	-	*		
PCB-150	*	*	n	NotFnd	1.20	*		568	472	8.38		
PCB-152	*	*	n	NotFnd	1.19	*		568	472	8.50		
PCB-145	*	*	n	NotFnd	1.18	*		568	472	8.57		
PCB-136	2.01e+05	1.28	y	36:32	1.08	195		-	-	*		
PCB-148	*	*	n	NotFnd	1.02	*		568	472	9.92		
PCB-154	7.89e+04	1.36	y	37:06	1.05	78.3		-	-	*		
13C-PCB-155	9.57e+06	1.32	y	34:09	0.99	7720					77.2	1.47e+06 1.11e+06
13C-PCB-111	1.33e+07	1.64	y	36:15	1.27	8380					83.8	2.06e+06 1.25e+06
13C-PCB-101	1.26e+07	1.66	y	34:36	-	35.8						
PCB-84	6.39e+05	1.68	y	34:17	0.70	450		-	-	*		Co-elute PCB 92
PCB-92	6.39e+05	1.68	y	34:17	0.70	450		-	-	*		Co-elute PCB 84
PCB-89	2.23e+04	1.38	y	34:27	0.69	16.1	J	-	-	*		
PCB-90	1.49e+06	1.57	y	34:37	0.79	931		-	-	*		Co-elute PCB 101
PCB-101	1.49e+06	1.57	y	34:37	0.79	931		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		800	860	9.23		
PCB-99	7.28e+05	1.55	y	34:56	0.84	429		-	-	*		
PCB-119	6.87e+04	1.57	y	35:23	1.01	33.7		-	-	*		
PCB-83	7.01e+04	1.38	y	35:32	0.80	43.3		-	-	*		Co-elute PCB 112
PCB-112	7.01e+04	1.38	y	35:32	0.80	43.3		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		800	860	8.76		
PCB-97	3.10e+05	1.61	y	35:52	0.67	230		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		800	860	12.5		
PCB-125	4.58e+05	1.51	y	36:08	0.91	250		-	-	*		Co-elute PCB 87/117
PCB-87	4.58e+05	1.51	y	36:08	0.91	250		-	-	*		Co-elute PCB 125/117
PCB-117	4.58e+05	1.51	y	36:08	0.91	250		-	-	*		Co-elute PCB 125/87
PCB-111	3.33e+04	1.55	y	36:17	0.98	16.8	J	-	-	*		Co-elute PCB 115
PCB-115	3.33e+04	1.55	y	36:17	0.98	16.8	J	-	-	*		Co-elute PCB 111
PCB-85	1.95e+05	1.54	y	36:22	0.87	111		-	-	*		Co-elute PCB 116
PCB-116	1.95e+05	1.54	y	36:22	0.87	111		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		800	860	7.92		
PCB-110	1.46e+06	1.58	y	36:45	0.99	729		-	-	*		
PCB-82	9.99e+04	1.43	y	37:20	0.61	80.8		-	-	*		
PCB-124	7.67e+04	1.39	y	38:00	1.06	35.8		-	-	*		
PCB-108	1.06e+05	1.47	y	38:09	1.11	47.6		-	-	*		Co-elute PCB 107
PCB-107	1.06e+05	1.47	y	38:09	1.11	47.6		-	-	*		Co-elute PCB 108
PCB-123	3.10e+04	1.65	y	38:18	1.00	16.2	J	-	-	*		
13C-PCB-123	1.92e+07	1.59	y	38:16	1.29	12000					120	2.78e+06 1.78e+06
PCB-118	1.13e+06	1.49	y	38:28	1.07	524		-	-	*		Co-elute PCB 106
PCB-106	1.13e+06	1.49	y	38:28	1.07	524		-	-	*		Co-elute PCB 118
13C-PCB-118	2.02e+07	1.58	y	38:28	1.39	11700					117	3.00e+06 1.82e+06
PCB-114	3.96e+04	1.77	y	39:05	1.08	17.5	J	-	-	*		
13C-PCB-114	2.09e+07	1.59	y	39:04	1.37	12300					123	3.11e+06 1.98e+06
PCB-122	*	*	n	NotFnd	1.15	*		1270	880	9.63		
PCB-105	4.12e+05	1.46	y	39:55	1.15	175		-	-	*		
13C-PCB-105	2.05e+07	1.62	y	39:53	1.37	12000					120	3.14e+06 1.88e+06

PCB-127	5.04e+04	1.98	n	40:06	1.05	23.8		1270	880	10.5			
PCB-126	*	*	n	NotFnd	1.07	*		1270	880	10.1			
13C-PCB-126	1.99e+07	1.62	y	42:00	1.35	11900					119	3.08e+06	1.90e+06
PCB-151	4.06e+05	1.31	y	37:45	0.85	324		-	-	*			
PCB-135	1.85e+05	1.23	y	37:56	0.80	156		-	-	*			
PCB-144	9.81e+04	1.39	y	38:03	1.06	62.9		-	-	*			
PCB-147	9.09e+04	1.24	y	38:11	0.96	64.4		-	-	*			
PCB-139	1.42e+06	1.37	y	38:24	0.99	974		-	-	*		Co-elute PCB 149	
PCB-149	1.42e+06	1.37	y	38:24	0.99	974		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.95	*		920	740	11.9			
PCB-143	7.34e+04	1.16	y	39:00	0.81	61.3		-	-	*		Co-elute PCB 134	
PCB-134	7.34e+04	1.16	y	39:00	0.81	61.3		-	-	*		Co-elute PCB 143	
PCB-131	4.11e+04	1.29	y	39:17	0.84	33.4		-	-	*		Co-elute PCB 133	
PCB-133	4.11e+04	1.29	y	39:17	0.84	33.4		-	-	*		Co-elute PCB 131	
PCB-142	1.25e+06	1.31	y	39:27	0.83	1020		-	-	*			
PCB-165	2.34e+05	1.38	y	39:40	1.04	153		-	-	*		Co-elute PCB 146	
PCB-146	2.34e+05	1.38	y	39:40	1.04	153		-	-	*		Co-elute PCB 165	
PCB-161	3.95e+05	1.20	y	39:55	1.00	268		-	-	*		Co-elute PCB 132	
PCB-132	3.95e+05	1.20	y	39:55	1.00	268		-	-	*		Co-elute PCB 161	
PCB-153	1.60e+06	1.26	y	40:01	1.17	931		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		920	740	9.61			
PCB-141	2.04e+05	1.32	y	40:44	0.93	149		-	-	*			
PCB-137	5.54e+04	1.36	y	41:11	0.88	42.9		-	-	*			
PCB-130	5.54e+04	1.36	y	41:11	0.87	43.2		-	-	*			
PCB-138	1.25e+06	1.38	y	41:32	1.14	745		-	-	*		Co-elute PCB 163/164	
PCB-163	1.25e+06	1.38	y	41:32	1.14	745		-	-	*		Co-elute PCB 138/164	
PCB-164	1.25e+06	1.38	y	41:32	1.14	745		-	-	*		Co-elute PCB 138/163	
PCB-158	1.32e+05	1.26	y	41:45	1.25	71.4		-	-	*		Co-elute PCB 160	
PCB-160	1.32e+05	1.26	y	41:45	1.25	71.4		-	-	*		Co-elute PCB 158	
PCB-129	3.90e+04	1.19	y	42:00	0.81	32.8		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		920	740	9.32			
PCB-159	*	*	n	NotFnd	1.33	*		920	740	8.55			
PCB-128	1.34e+05	1.30	y	43:01	1.06	86.0		-	-	*		Co-elute PCB 162	
PCB-162	1.34e+05	1.30	y	43:01	1.06	86.0		-	-	*		Co-elute PCB 128	
PCB-167	5.14e+04	1.28	y	43:22	1.23	29.0		-	-	*			
13C-PCB-167	1.44e+07	1.32	y	43:22	1.14	10100					101	2.10e+06	1.55e+06
PCB-156	9.84e+04	1.12	y	44:36	1.29	49.2		-	-	*			
13C-PCB-156	1.55e+07	1.31	y	44:35	1.12	11100					111	2.00e+06	1.55e+06
PCB-157	3.06e+04	1.10	y	44:51	1.24	16.0	J	-	-	*			
13C-PCB-157	1.54e+07	1.29	y	44:51	1.14	10800					108	2.06e+06	1.61e+06
PCB-169	*	*	n	NotFnd	1.20	*		920	740	9.06			
13C-PCB-169	1.36e+07	1.33	y	46:43	1.17	9400					94.0	2.17e+06	1.63e+06

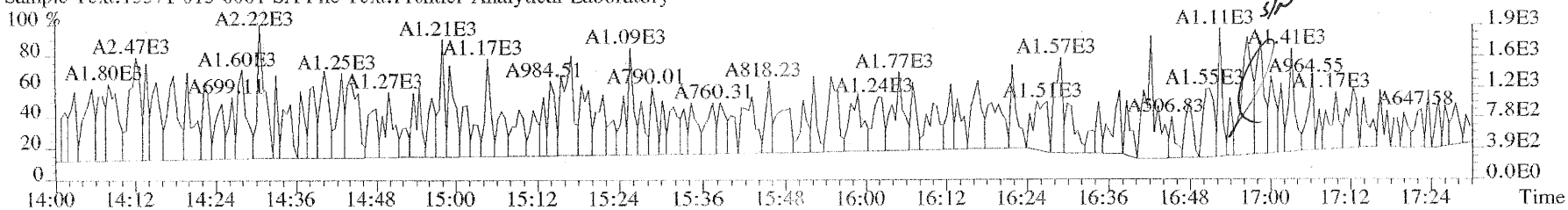
PCB-188	*	*	n	NotFnd	1.21	*	470	480	8.56			
13C-PCB-188	9.54e+06	1.07	y	39:40	0.86	8890				88.9	1.19e+06	1.10e+06
PCB-184	7.65e+06	1.10	y	40:06	1.31	6450	-	-	*			
PCB-179	1.33e+05	1.05	y	40:49	1.28	115	-	-	*			
PCB-176	3.47e+04	0.97	y	41:17	1.26	30.4	-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*	470	480	7.63			
PCB-178	5.08e+04	1.15	y	42:20	0.90	62.6	-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*	470	480	10.0			
PCB-187	2.78e+05	1.16	y	42:48	1.02	302	-	-	*		Co-elute PCB 182	
PCB-182	2.78e+05	1.16	y	42:48	1.02	302	-	-	*		Co-elute PCB 187	
PCB-183	1.14e+05	1.10	y	43:06	0.99	127	-	-	*			
PCB-185	2.55e+04	0.91	y	43:44	0.94	29.9	-	-	*			
PCB-174	1.43e+05	1.15	y	44:05	0.94	170	-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*	470	480	10.3			
PCB-177	1.15e+05	1.08	y	44:20	0.84	152	-	-	*			
PCB-171	4.72e+04	1.15	y	44:36	0.92	57.0	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*	470	480	11.3			
PCB-172	1.33e+05	1.13	y	45:22	0.87	170	-	-	*			
PCB-192	5.23e+06	1.11	y	45:34	1.14	5090	-	-	*			
PCB-180	2.96e+05	1.03	y	45:45	0.89	367	-	-	*			
PCB-193	2.39e+04	0.98	y	45:55	1.23	21.5	-	-	*			
PCB-191	*	*	n	NotFnd	1.27	*	470	480	7.36			
PCB-170	1.01e+05	1.12	y	47:03	0.89	125	-	-	*			
PCB-190	3.49e+04	1.04	y	47:13	1.18	32.6	-	-	*			
PCB-189	*	*	n	NotFnd	1.21	*	470	480	6.74			
13C-PCB-189	8.52e+06	1.08	y	48:23	0.88	7810				78.1	1.48e+06	1.42e+06
PCB-202	*	*	n	NotFnd	1.16	*	468	480	13.1			
PCB-201	*	*	n	NotFnd	1.24	*	468	480	12.3			
PCB-204	9.29e+06	0.98	y	45:22	1.26	12600	-	-	*			
PCB-197	5.98e+04	0.94	y	45:39	1.29	78.9	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	468	480	12.0			
PCB-198	*	*	n	NotFnd	0.91	*	468	480	16.8			
PCB-199	3.53e+04	0.94	y	47:39	0.95	63.2	-	-	*			
PCB-203	4.40e+04	0.81	y	47:54	1.01	74.1	-	-	*		Co-elute PCB 196	
PCB-196	4.40e+04	0.81	y	47:54	1.01	74.1	-	-	*		Co-elute PCB 203	
13C-PCB-202	5.86e+06	0.97	y	44:46	0.68	6980				69.8	7.63e+05	7.96e+05
13C-PCB-178	7.70e+06	1.11	y	42:18	0.70	8810				88.1	9.26e+05	8.21e+05
13C-PCB-138	1.24e+07	1.34	y	41:30	-	31.4						
PCB-195	3.11e+04	1.00	y	49:00	0.85	22.3	-	-	*			
PCB-194	8.09e+04	1.00	y	49:49	0.94	52.7	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*	880	820	6.31			
13C-PCB-205	1.63e+07	0.90	y	50:03	1.22	9590				95.9	2.89e+06	3.10e+06
PCB-208	*	*	n	NotFnd	1.11	*	1030	1090	9.02			
13C-PCB-208	1.36e+07	0.81	y	49:07	0.98	9950				99.5	2.37e+06	2.95e+06
PCB-207	6.58e+04	1.41	y	49:25	1.26	47.4	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	1030	1090	16.9			
13C-PCB-206	8.39e+06	0.84	y	51:14	0.75	8040				80.4	1.22e+06	1.48e+06
PCB-209	8.06e+04	1.18	y	52:27	1.22	79.9	-	-	*			
13C-PCB-209	8.26e+06	1.22	y	52:26	0.80	7440				74.4	1.60e+06	1.27e+06
13C-PCB-194	1.39e+07	0.89	y	49:48	-	33.4						

Analyst: _____ Date: 10/28/20

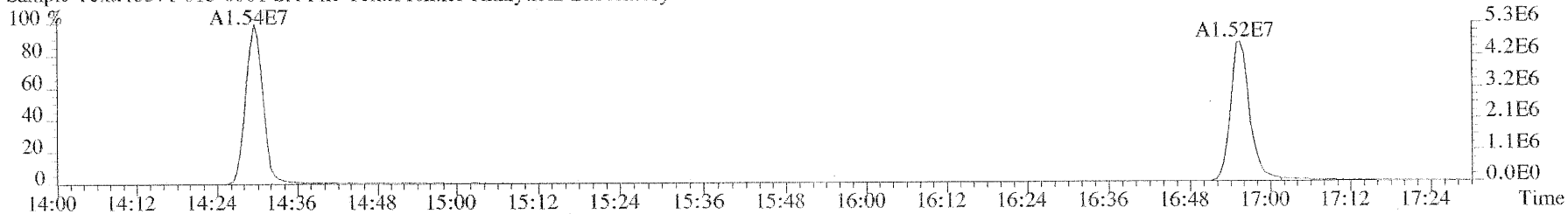
File:20OCT20Z #1-784 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



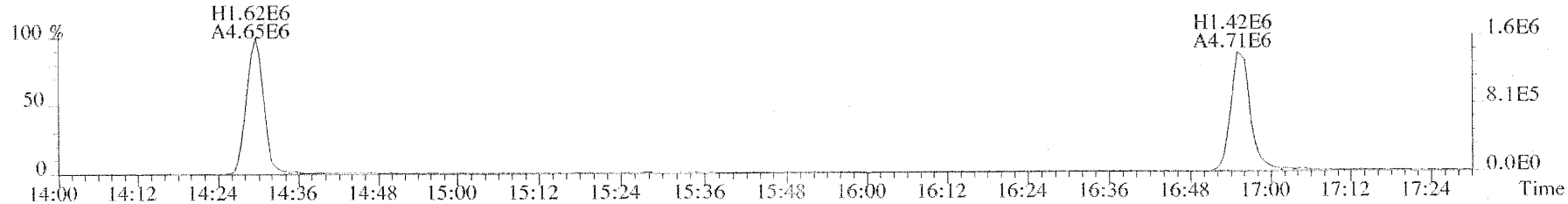
File:20OCT20Z #1-784 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



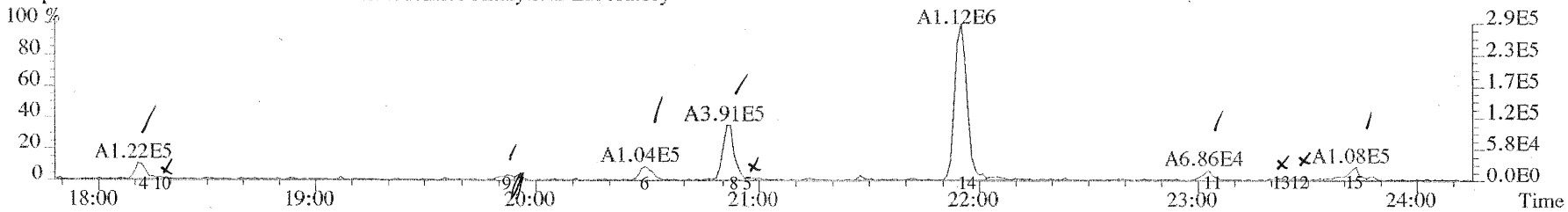
File:20OCT20Z #1-784 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



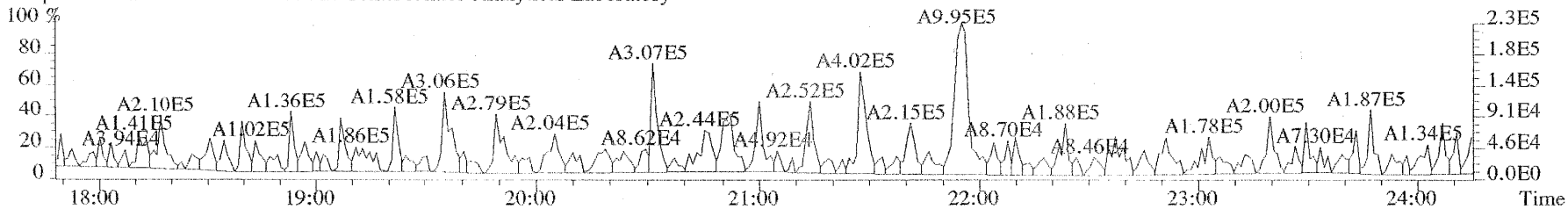
File:20OCT20Z #1-784 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



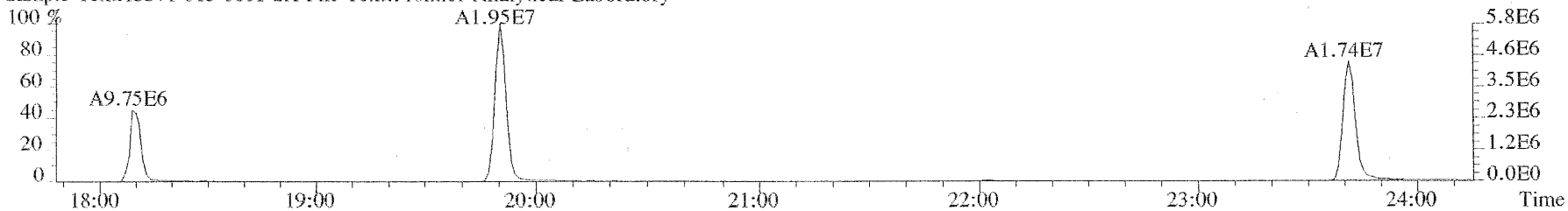
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



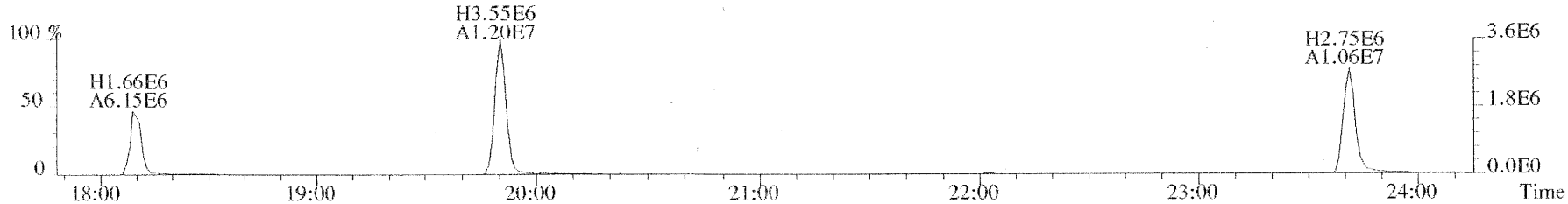
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



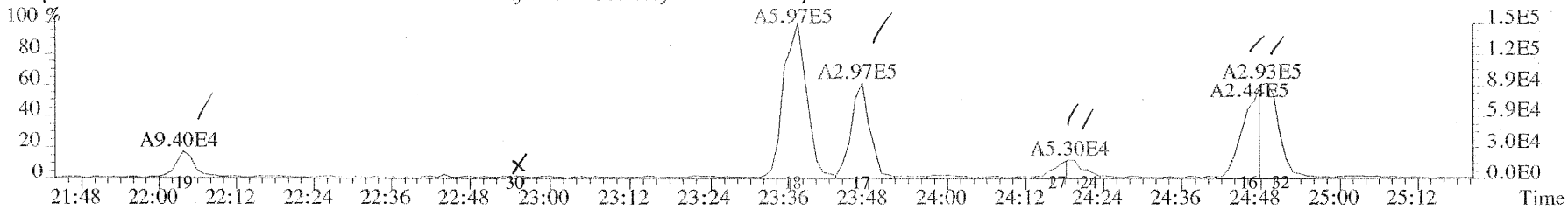
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



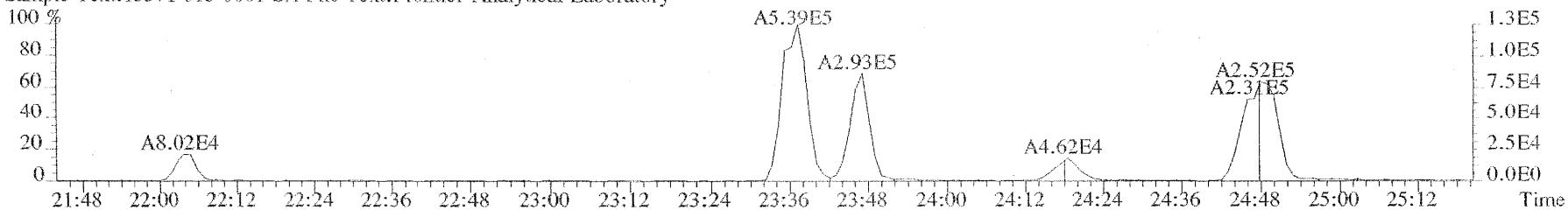
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



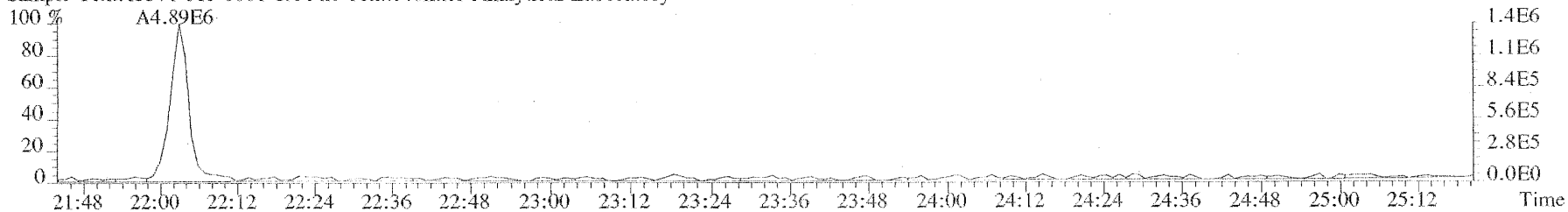
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



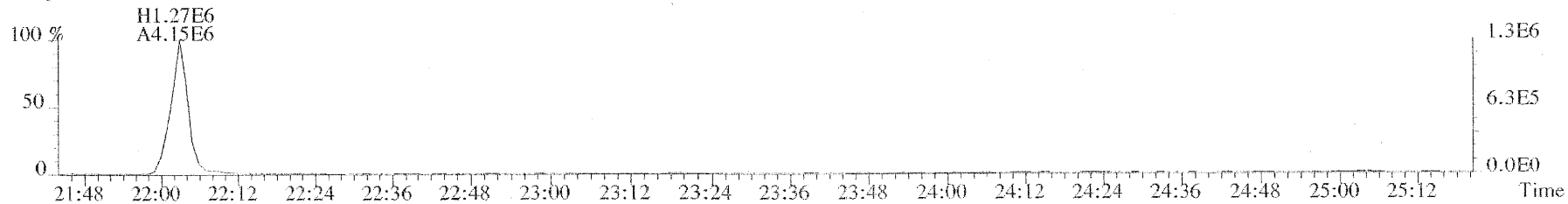
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



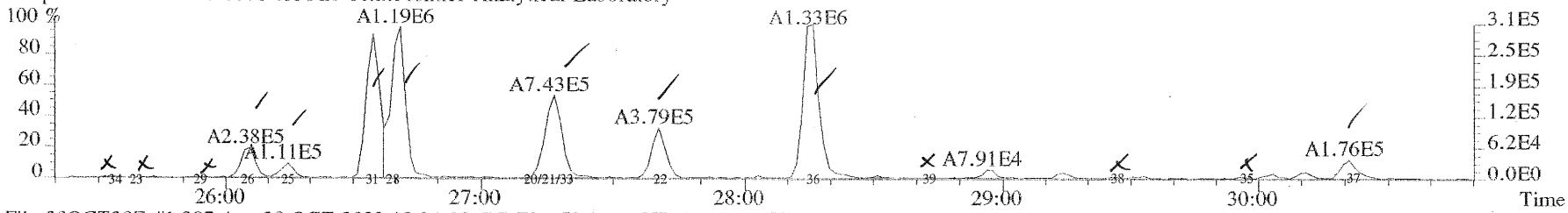
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



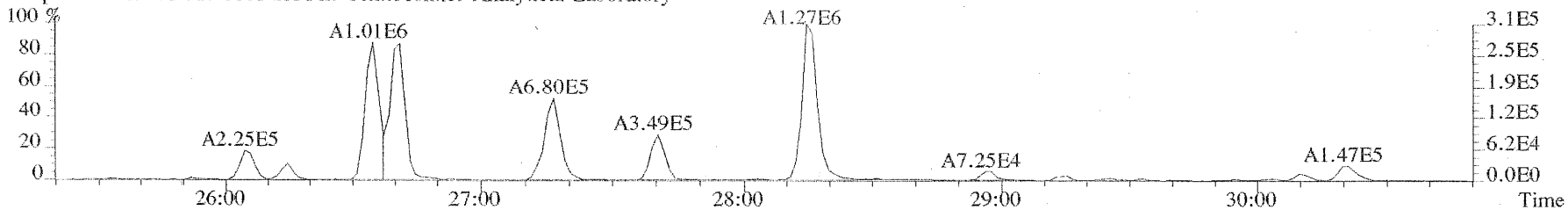
File:20OCT20Z #1-467 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



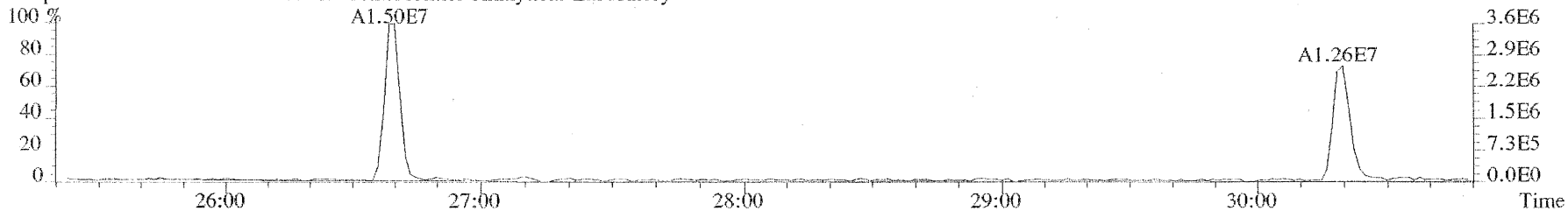
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



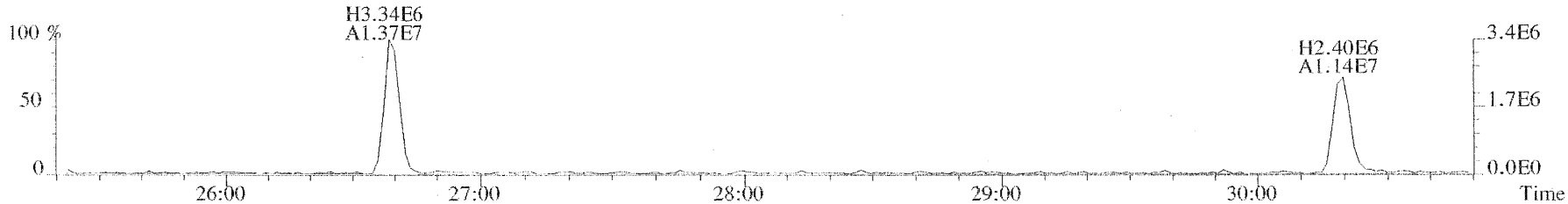
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



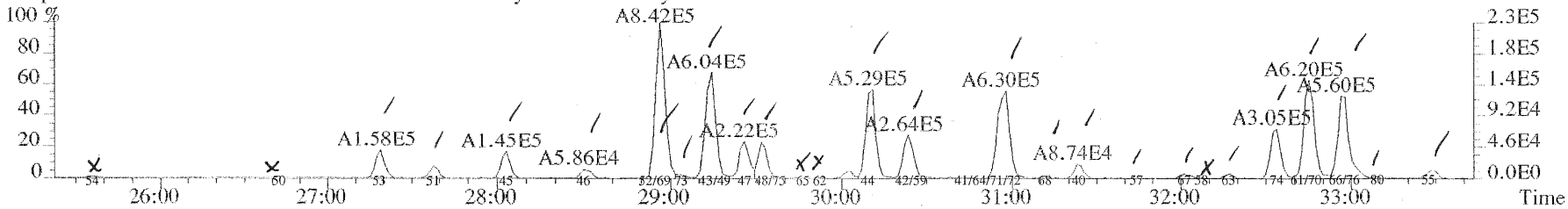
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



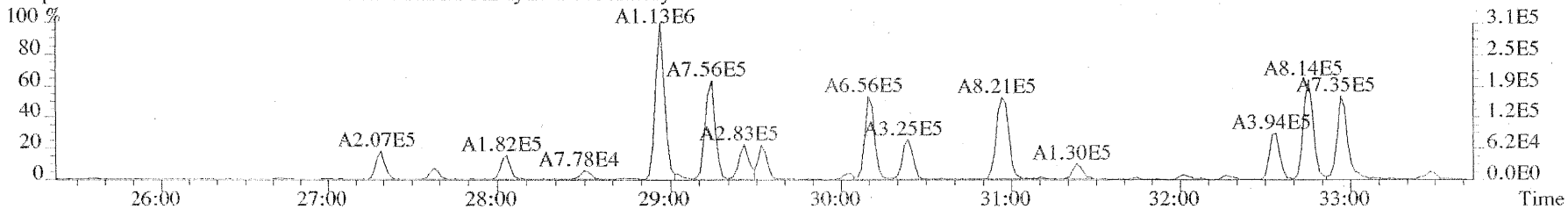
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



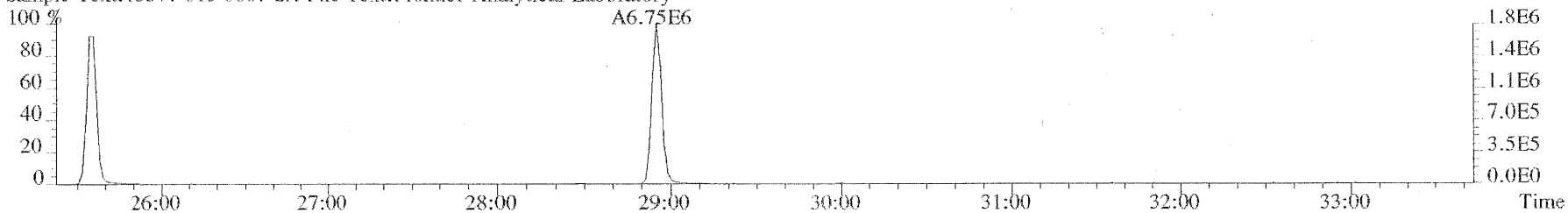
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



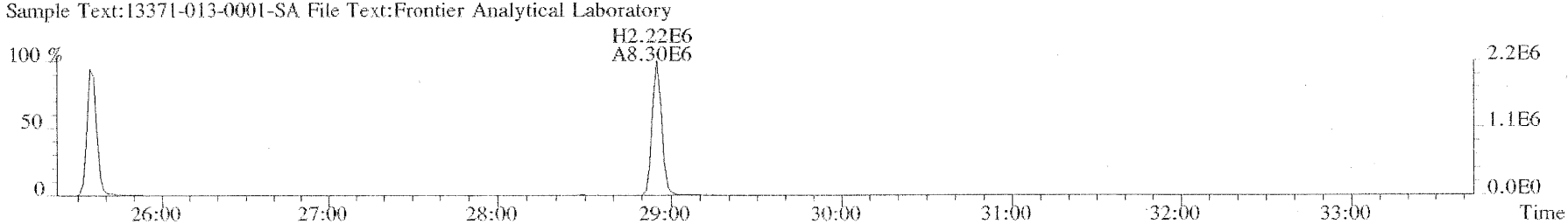
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



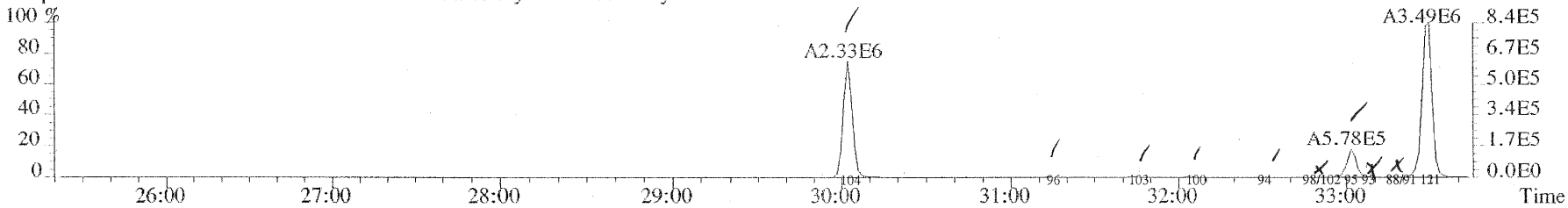
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



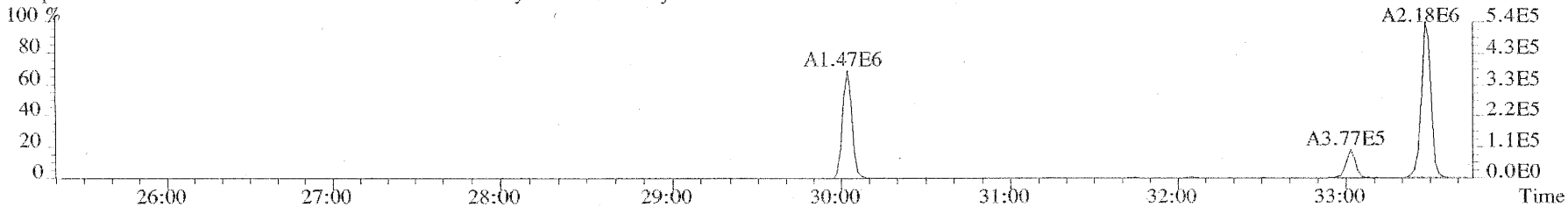
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



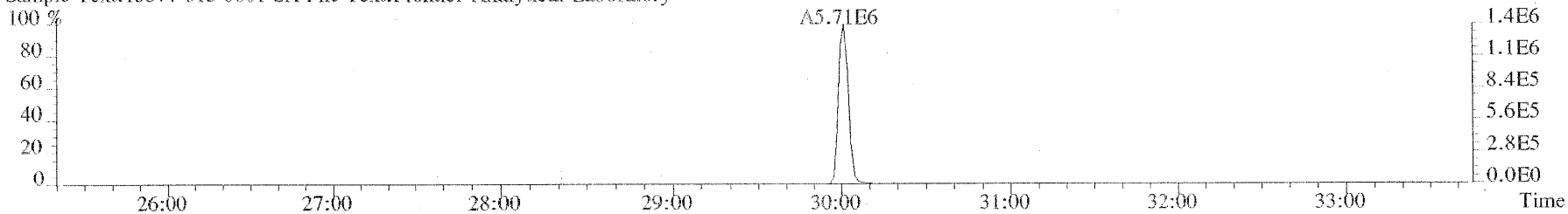
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



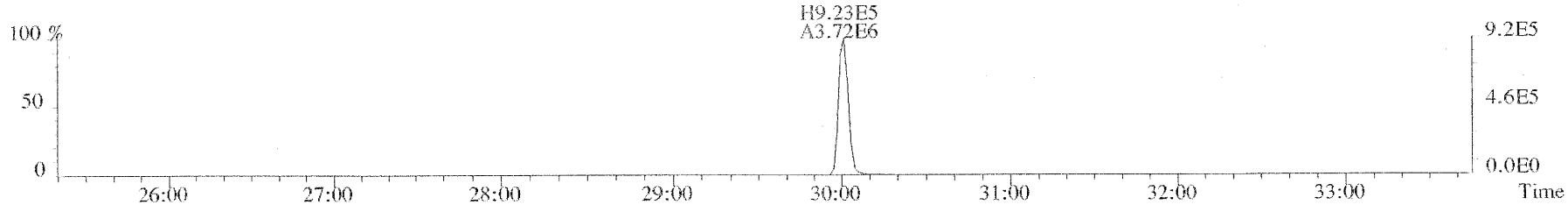
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



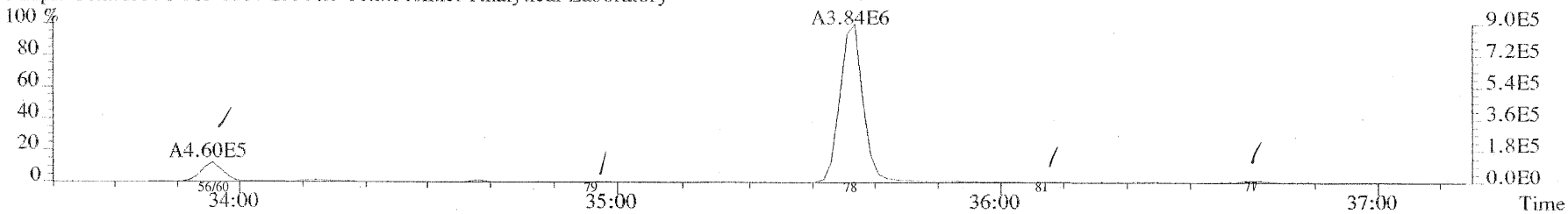
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



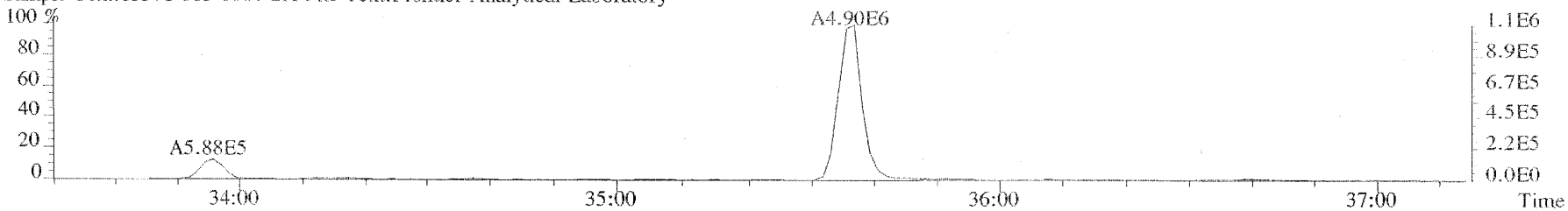
File:20OCT20Z #1-397 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



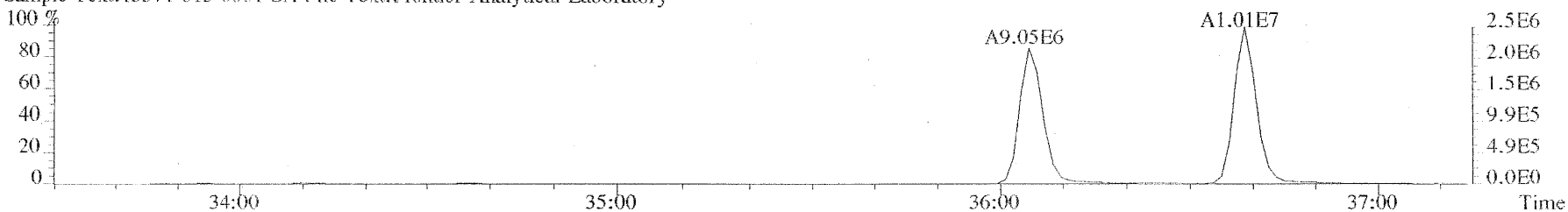
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



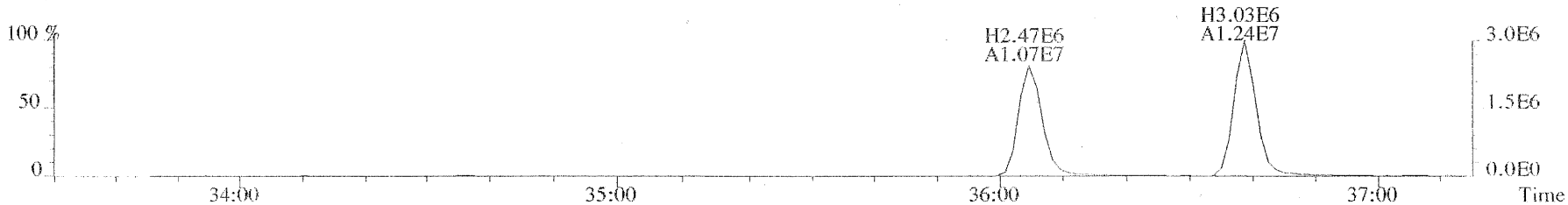
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



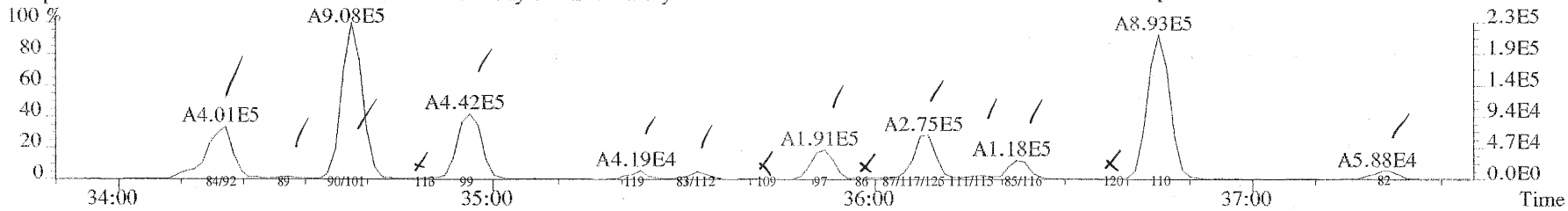
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



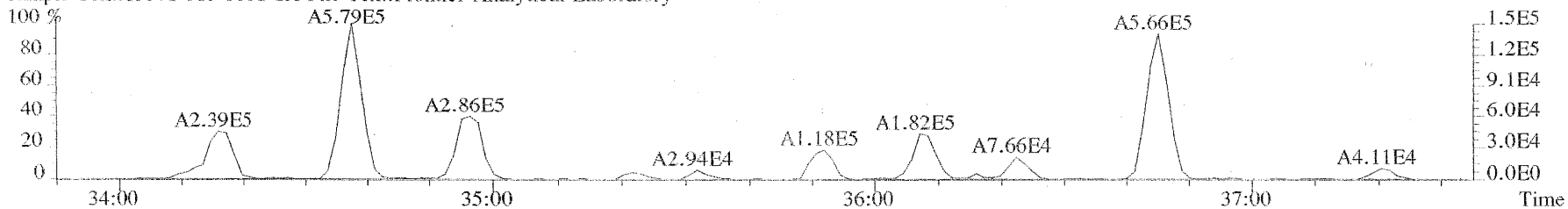
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



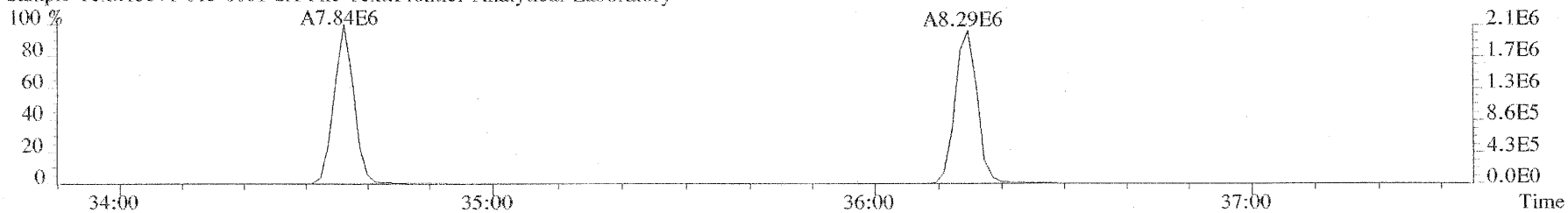
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



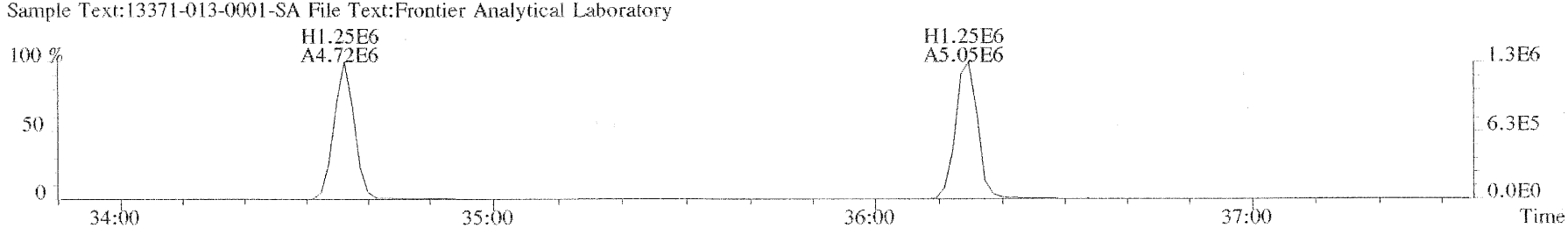
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



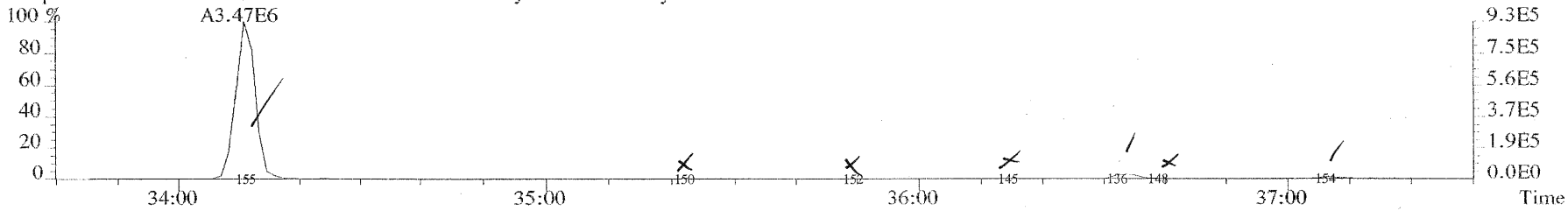
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



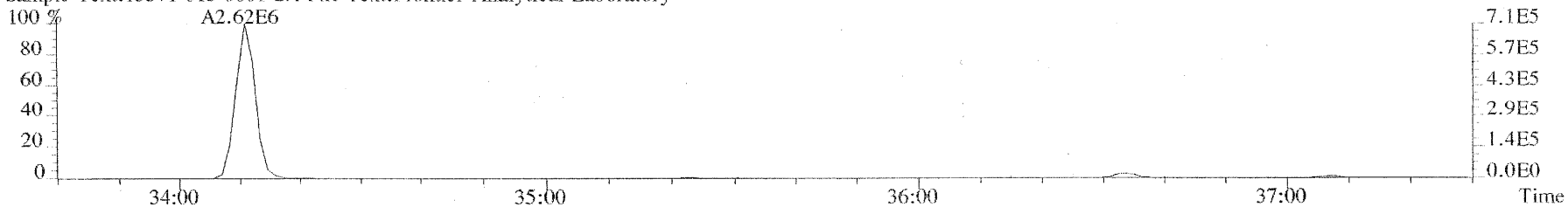
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



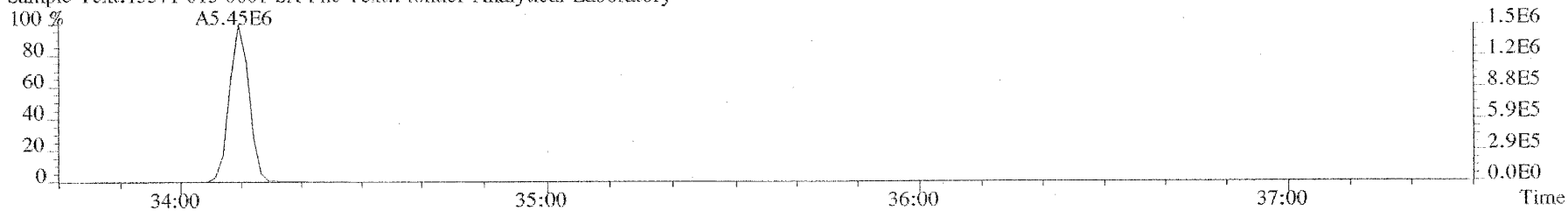
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



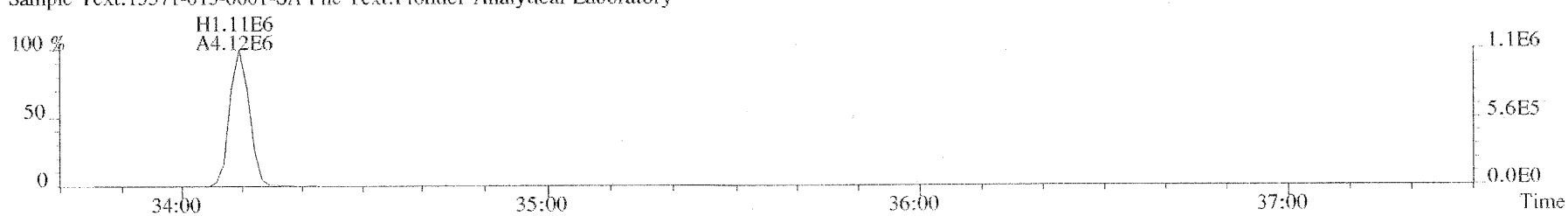
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



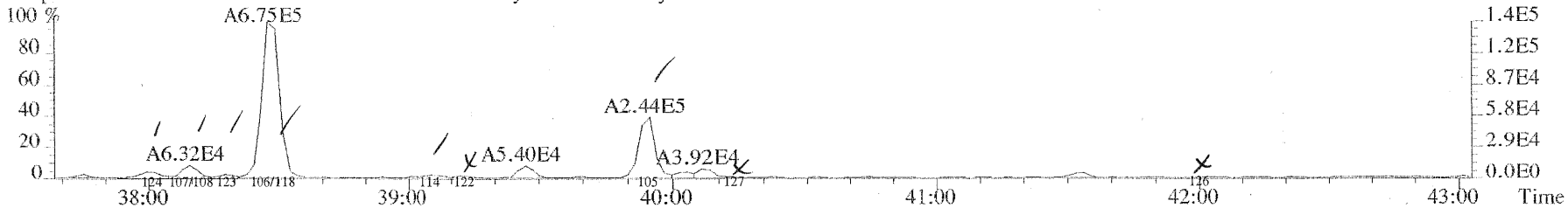
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



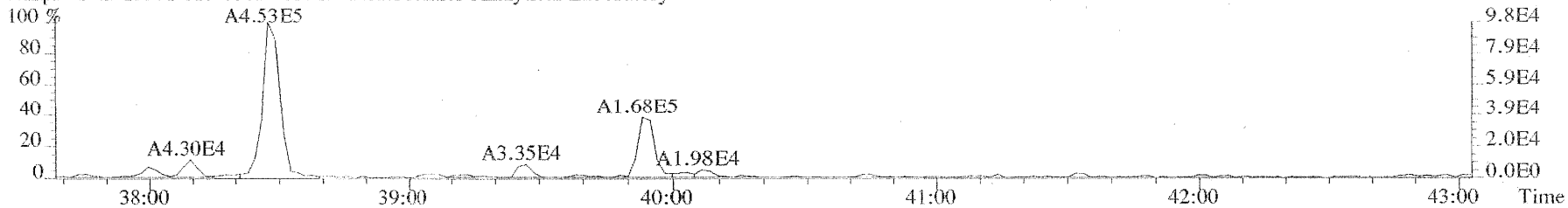
File:20OCT20Z #1-183 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



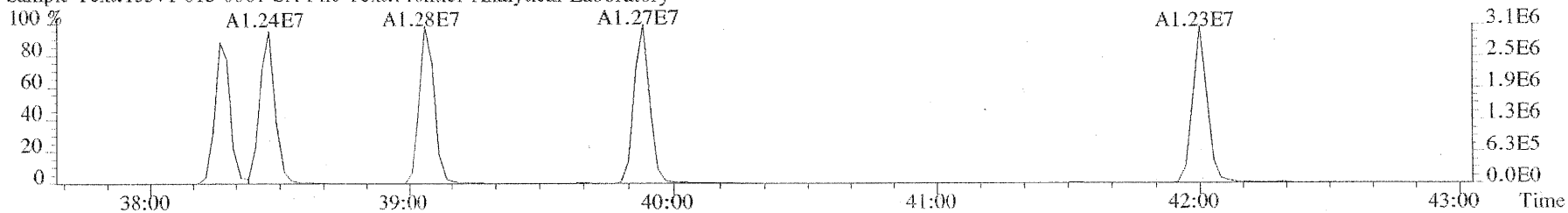
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



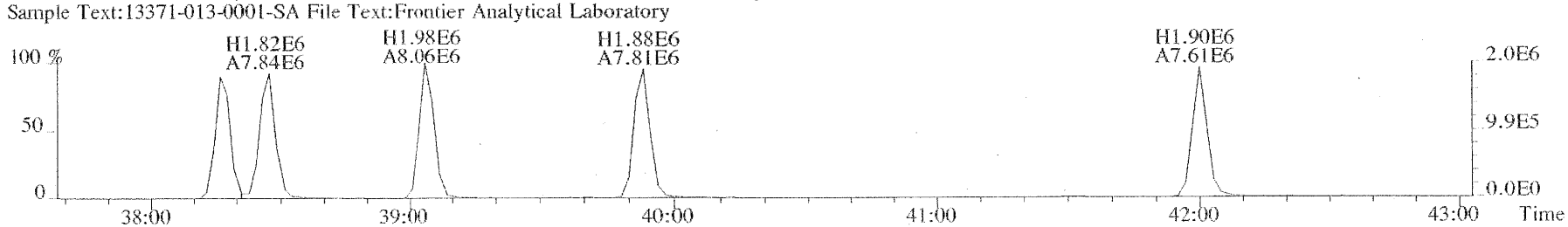
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



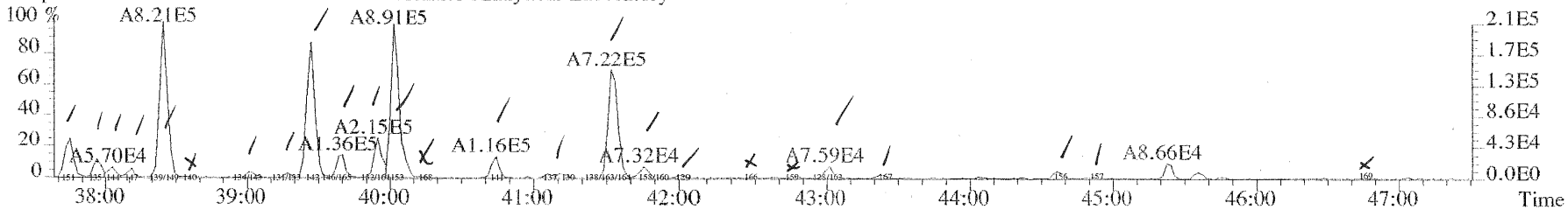
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



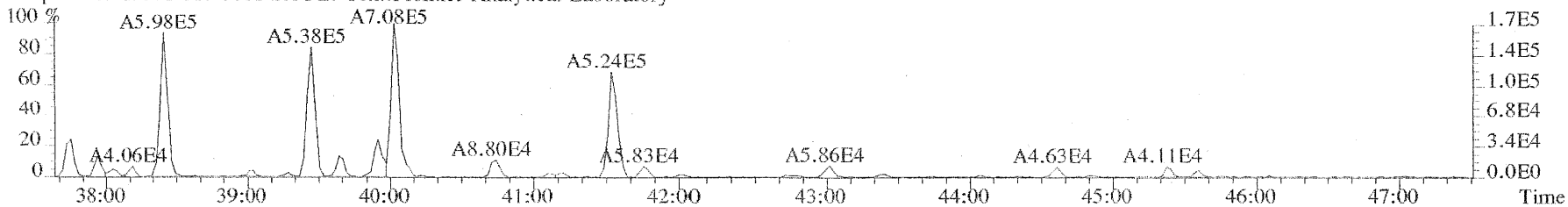
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



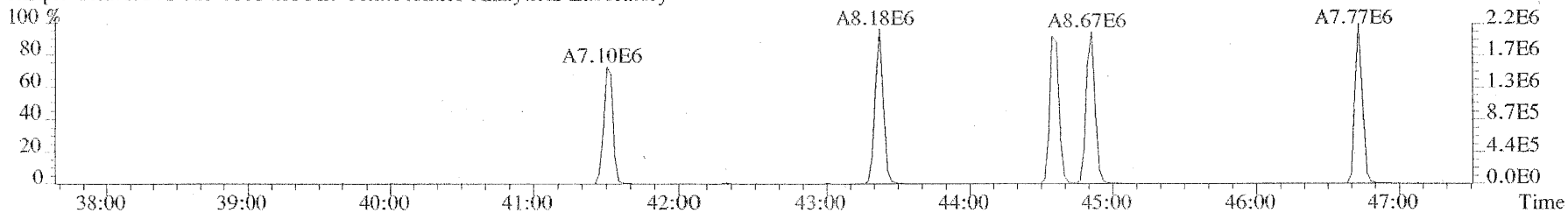
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



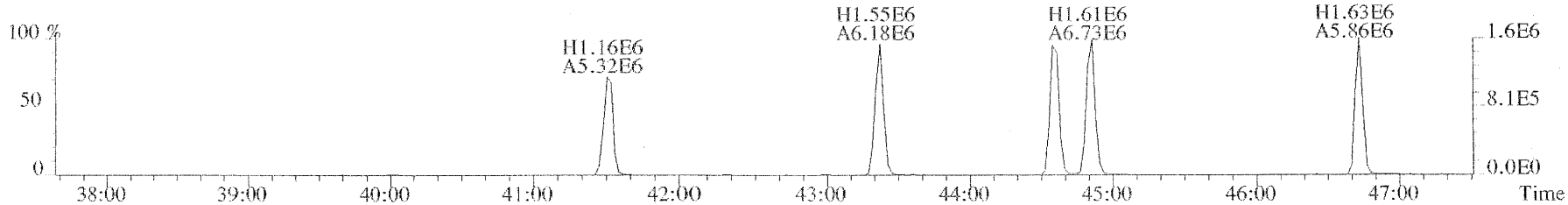
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



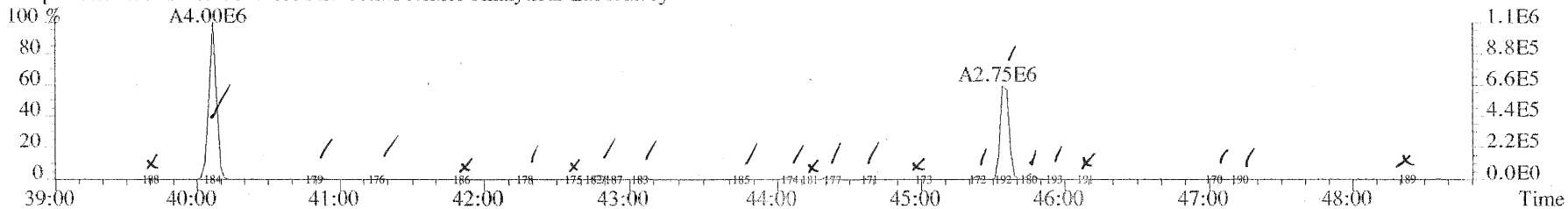
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



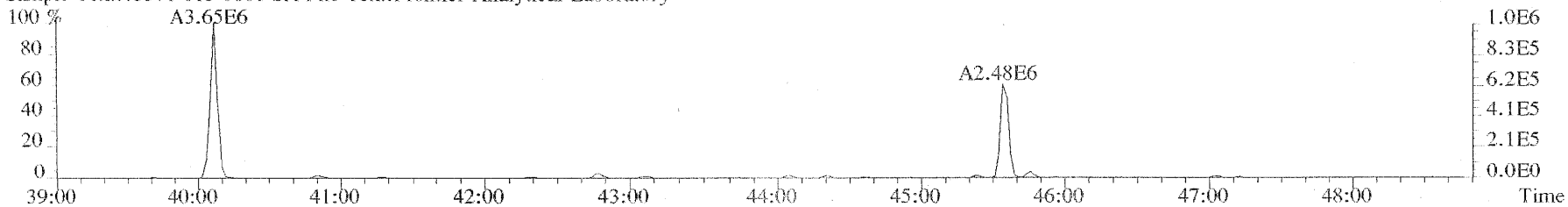
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



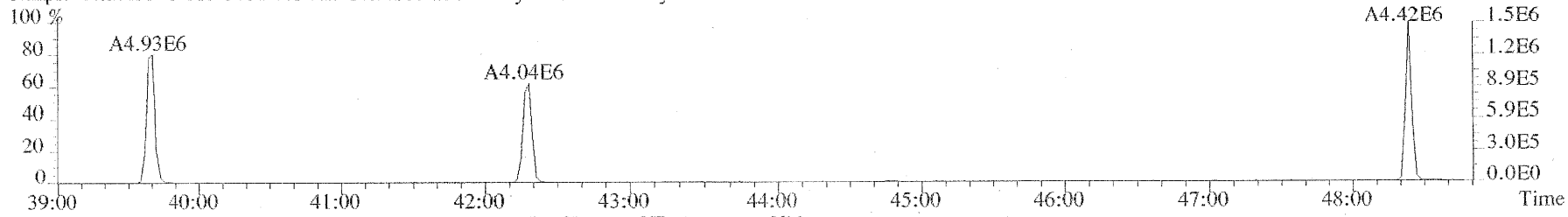
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



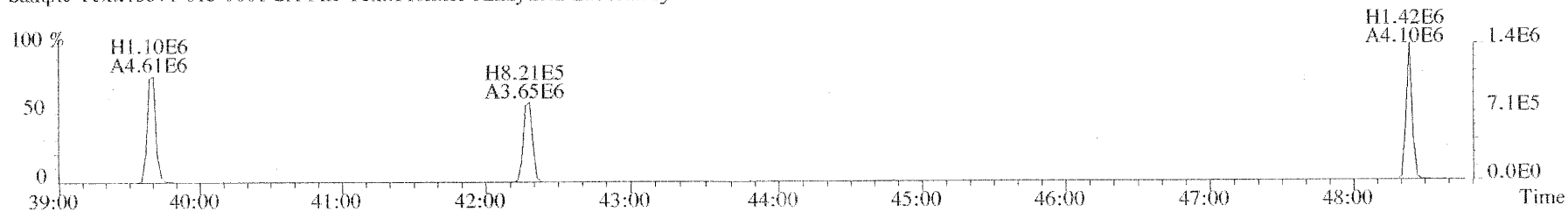
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



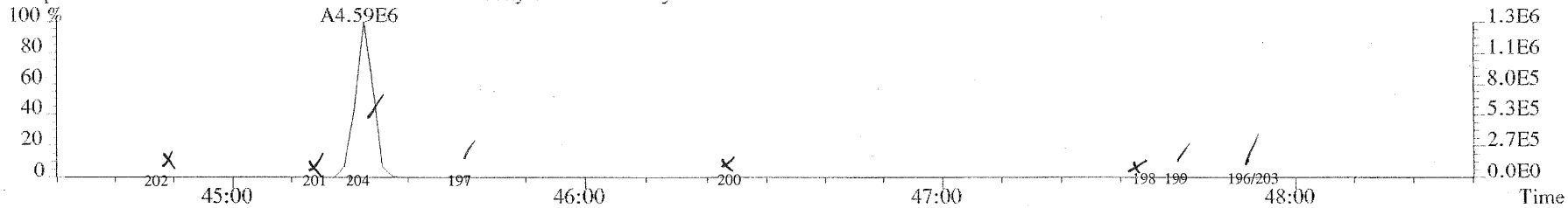
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



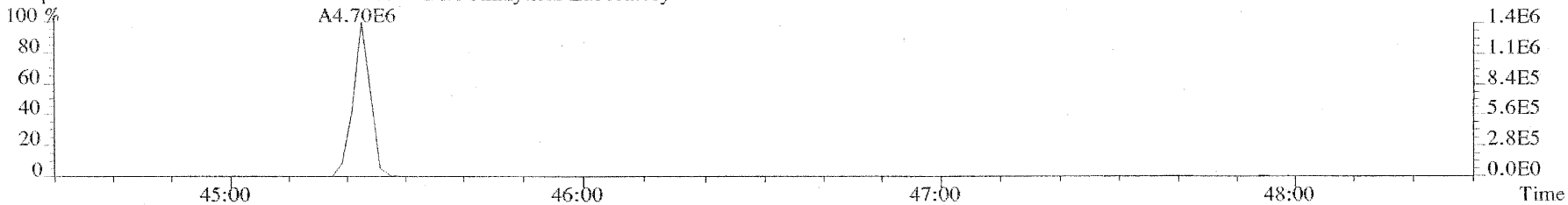
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



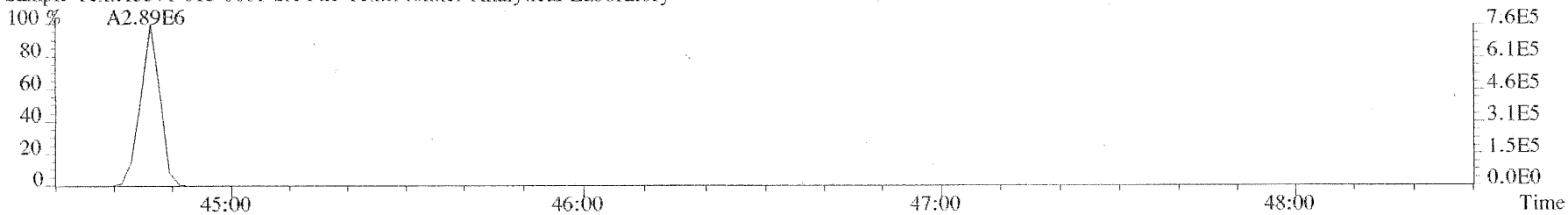
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



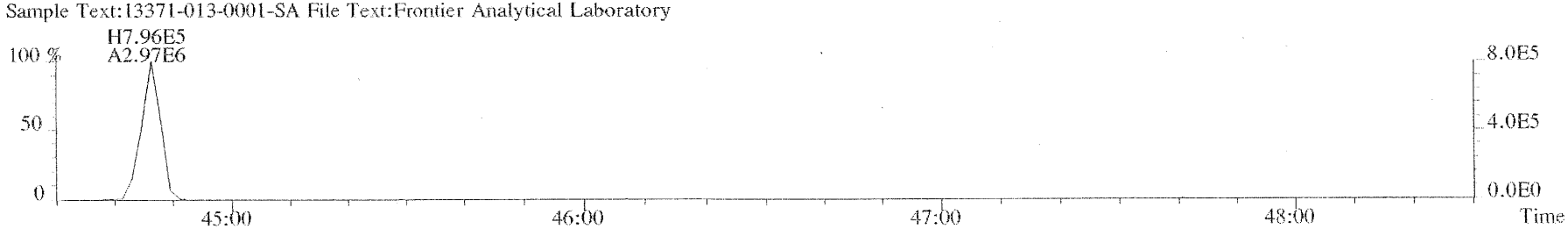
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



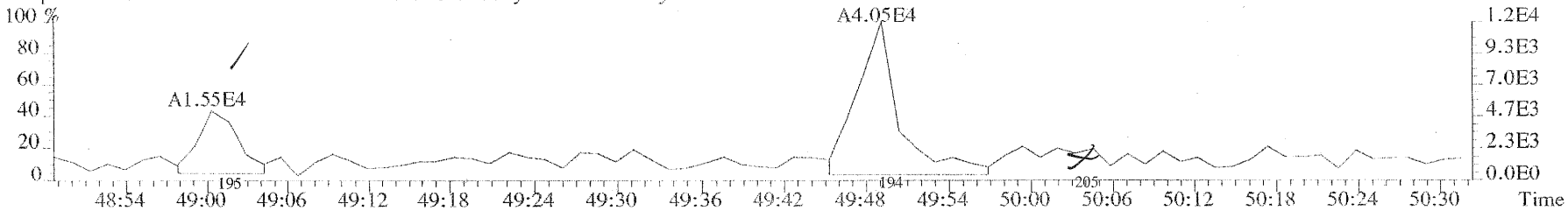
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



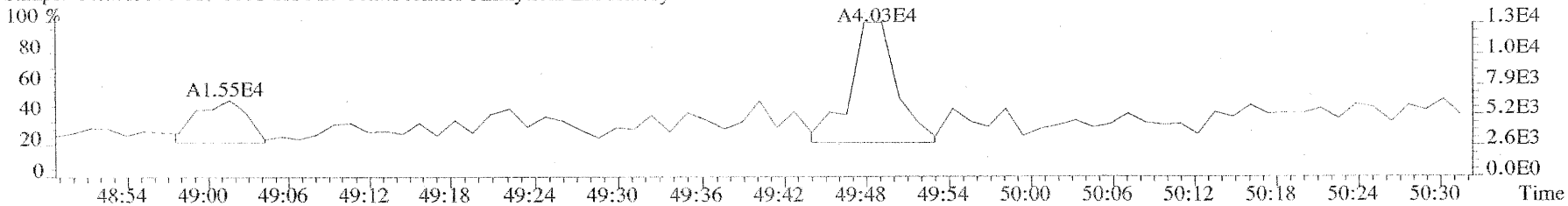
File:20OCT20Z #1-407 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



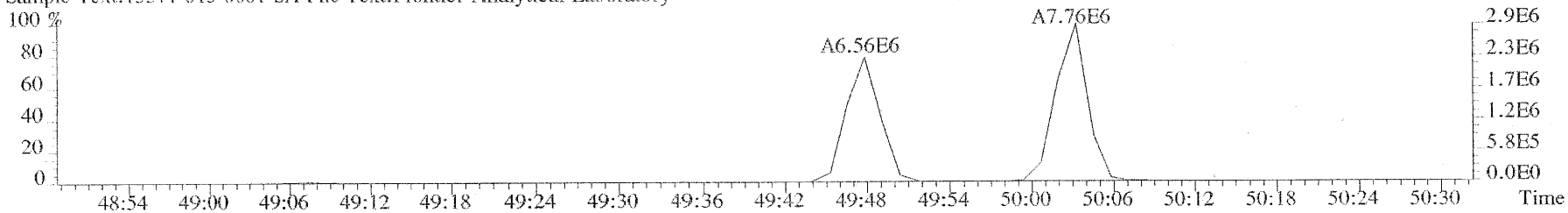
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



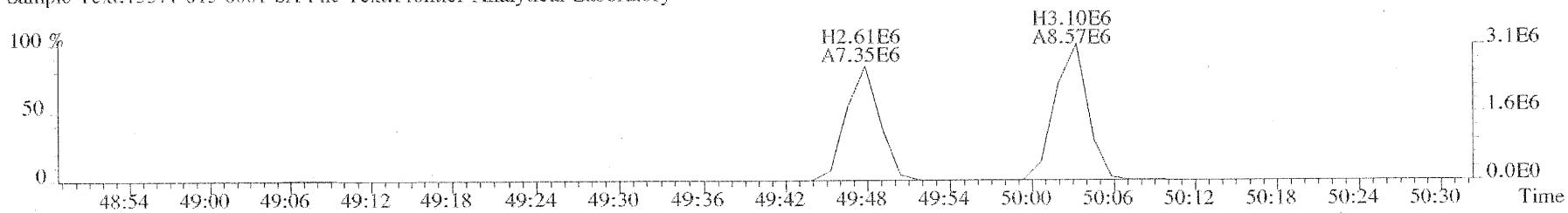
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



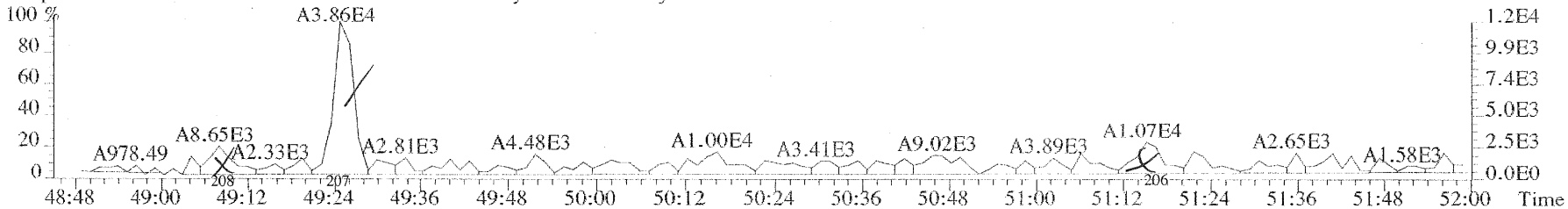
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



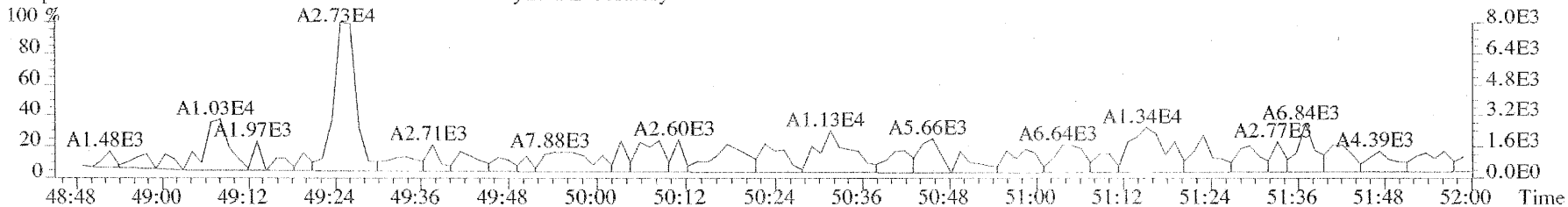
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



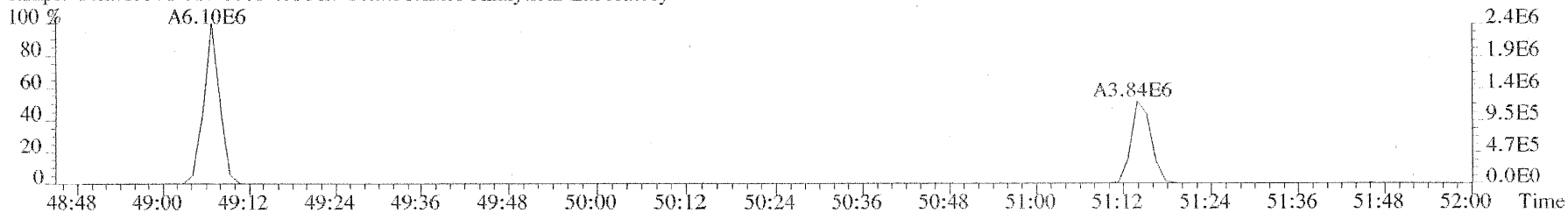
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



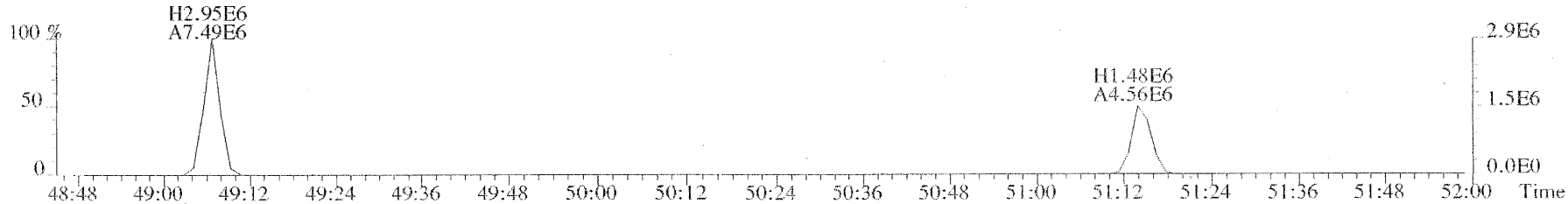
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



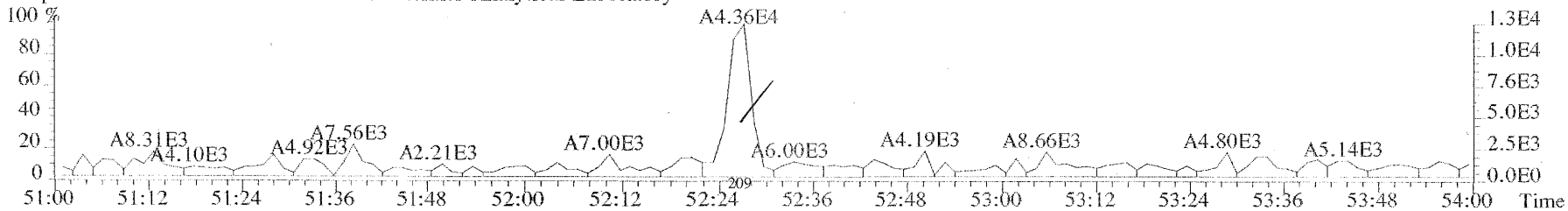
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



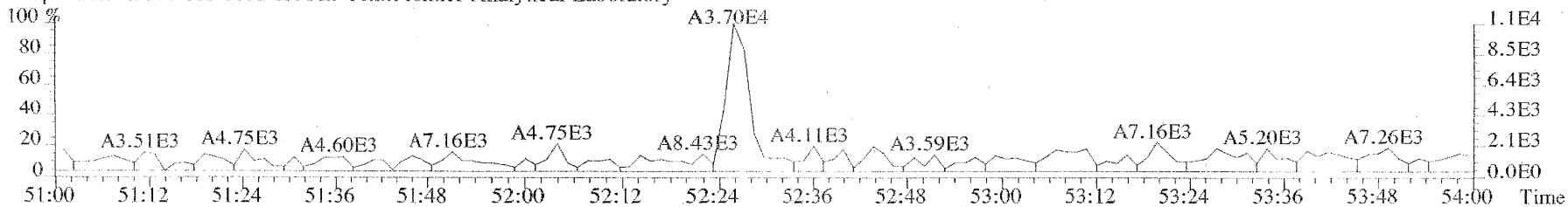
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



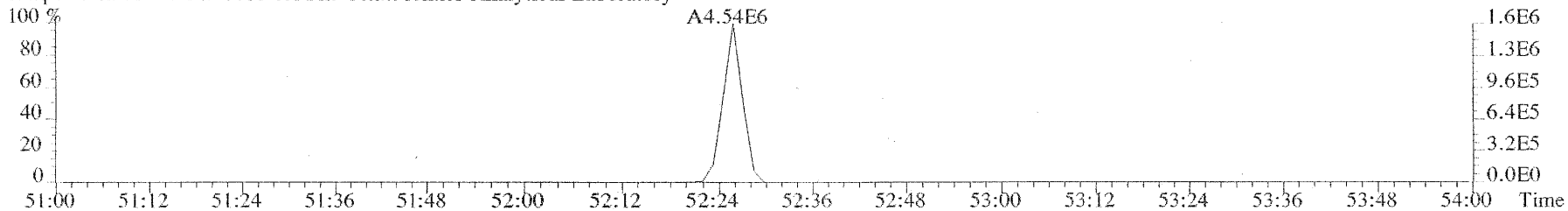
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



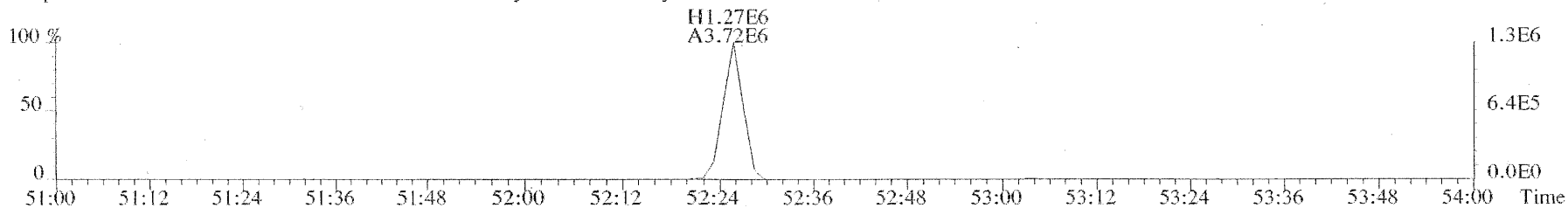
File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 18:24:39 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-013-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-014-0001-SA Filename: 20OCT20Z Sam:12 Acquired: 20-OCT-20 19:23:00 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-SC-ENR+AC-CA-S010-LONG ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	4.51e+04	3.38 y	14:32	1.32	14.4	J	-	-	*			
13C-PCB-1	2.37e+07	3.24 y	14:30	0.87	8140					81.4	6.14e+06	1.90e+06
PCB-2	*	* n	NotFnd	1.31	*		1510	1140	6.78			
PCB-3	*	* n	NotFnd	1.32	*		1510	1140	7.34			
13C-PCB-3	2.12e+07	3.36 y	16:56	0.82	7660					76.6	5.32e+06	1.56e+06
PCB-4	1.39e+05	1.52 y	18:12	1.06	66.7		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		756	3520	11.2			
13C-PCB-4	1.97e+07	1.57 y	18:10	0.65	9000					90.0	3.57e+06	2.33e+06
PCB-9	*	* n	NotFnd	1.28	*		756	3520	11.4			
PCB-7	*	* n	NotFnd	1.33	*		756	3520	11.0			
PCB-6	6.44e+04	1.39 y	20:30	1.42	17.9	J	-	-	*			
PCB-8	2.68e+05	1.39 y	20:51	1.27	83.1		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		756	3520	11.9			
PCB-14	3.25e+06	1.34 y	21:55	1.28	1000		-	-	*			
PCB-11	1.88e+05	1.47 y	23:03	1.23	60.1		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		756	3520	11.9			
PCB-12	*	* n	NotFnd	1.25	*		756	3520	11.7			
PCB-15	8.13e+04	1.42 y	23:42	1.12	23.3		-	-	*			
13C-PCB-15	3.11e+07	1.62 y	23:41	1.02	9090					90.9	5.26e+06	3.37e+06
PCB-19	8.30e+04	1.07 y	22:04	1.27	59.8		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1730	536	9.85			
PCB-18	6.06e+05	1.14 y	23:37	1.28	433		-	-	*			
PCB-17	2.65e+05	1.15 y	23:47	1.42	171		-	-	*			
PCB-27	5.50e+04	0.95 y	24:18	1.89	26.6		-	-	*			
PCB-24	2.51e+03	3.70 n	24:23	1.83	1.26		-	-	*			
PCB-16	2.01e+05	1.14 y	24:47	1.61	114		-	-	*			
PCB-32	2.50e+05	1.13 y	24:49	1.67	138		-	-	*			
13C-PCB-19	1.09e+07	1.19 y	22:03	0.42	7760					77.6	1.59e+06	1.43e+06
13C-PCB-9	3.36e+07	1.62 y	19:50	-	46.0							
PCB-34	*	* n	NotFnd	1.07	*		1340	1540	9.24			
PCB-23	*	* n	NotFnd	1.13	*		1340	1540	8.77			
PCB-29	*	* n	NotFnd	1.09	*		1340	1540	9.04			
PCB-26	2.62e+05	1.15 y	26:06	1.07	81.9		-	-	*			
PCB-25	1.35e+05	1.05 y	26:14	1.06	42.4		-	-	*			
PCB-31	1.04e+06	1.05 y	26:35	1.32	263		-	-	*			
PCB-28	1.27e+06	1.07 y	26:41	1.32	321		-	-	*			
PCB-20	6.89e+05	1.12 y	27:16	1.08	213		-	-	*		Co-elute PCB 21/33	
PCB-21	6.89e+05	1.12 y	27:16	1.08	213		-	-	*		Co-elute PCB 20/33	
PCB-33	6.89e+05	1.12 y	27:16	1.08	213		-	-	*		Co-elute PCB 20/21	
PCB-22	4.15e+05	1.14 y	27:40	1.20	115		-	-	*			
PCB-36	4.03e+06	1.06 y	28:16	1.13	1190		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1340	1540	8.74			
PCB-38	*	* n	NotFnd	1.08	*		1340	1540	9.12			
PCB-35	*	* n	NotFnd	1.10	*		1340	1540	9.02			
PCB-37	2.53e+05	0.97 y	30:21	1.14	74.1		-	-	*			
13C-PCB-37	3.00e+07	1.04 y	30:20	1.64	11300					113	3.79e+06	3.51e+06

PCB-54	*	*	n	NotFnd	1.36	*		684	980	7.09			
PCB-50	2.39e+04	0.72	y	26:42	1.06	13.3	J	-	-	*			
PCB-53	2.62e+05	0.75	y	27:19	1.04	150		-	-	*			
PCB-51	1.21e+05	0.72	y	27:38	1.10	65.3		-	-	*			
PCB-45	2.13e+05	0.70	y	28:03	0.92	138		-	-	*			
PCB-46	9.26e+04	0.68	y	28:31	0.88	62.1		-	-	*			
PCB-52	1.44e+06	0.79	y	28:56	1.15	743		-	-	*	Co-elute PCB 69		
PCB-69	1.44e+06	0.79	y	28:56	1.15	743		-	-	*	Co-elute PCB 52		
PCB-73	6.85e+04	0.74	y	29:04	1.32	30.9		-	-	*			
PCB-43	9.41e+05	0.78	y	29:14	0.99	562		-	-	*	Co-elute PCB 49		
PCB-49	9.41e+05	0.78	y	29:14	0.99	562		-	-	*	Co-elute PCB 43		
PCB-47	3.74e+05	0.70	y	29:25	1.01	220		-	-	*			
PCB-48	2.66e+05	0.76	y	29:33	1.31	120		-	-	*	Co-elute PCB 75		
PCB-75	2.66e+05	0.76	y	29:33	1.31	120		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*		684	980	7.26			
PCB-62	*	*	n	NotFnd	1.28	*		684	980	7.55			
PCB-44	7.75e+05	0.76	y	30:11	0.87	531		-	-	*			
PCB-42	4.30e+05	0.75	y	30:23	1.14	225		-	-	*	Co-elute PCB 59		
PCB-59	4.30e+05	0.75	y	30:23	1.14	225		-	-	*	Co-elute PCB 42		
PCB-72	1.00e+06	0.77	y	30:58	1.28	465		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.00e+06	0.77	y	30:58	1.28	465		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.00e+06	0.77	y	30:58	1.28	465		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.00e+06	0.77	y	30:58	1.28	465		-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.34e+04	0.75	y	31:11	1.49	13.4	J	-	-	*			
PCB-40	1.47e+05	0.72	y	31:24	0.81	108		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		684	980	6.84			
PCB-67	5.93e+04	0.67	y	32:01	1.42	24.8		-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		684	980	6.96			
PCB-63	5.07e+04	0.79	y	32:17	1.40	21.6		-	-	*			
PCB-74	4.97e+05	0.80	y	32:34	1.42	208		-	-	*			
PCB-61	9.64e+05	0.78	y	32:45	1.28	447		-	-	*	Co-elute PCB 70		
PCB-70	9.64e+05	0.78	y	32:45	1.28	447		-	-	*	Co-elute PCB 61		
PCB-76	9.51e+05	0.79	y	32:56	1.49	380		-	-	*	Co-elute PCB 66		
PCB-66	9.51e+05	0.79	y	32:56	1.49	380		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.69	*		684	980	5.72			
PCB-55	1.46e+05	0.82	y	33:29	1.49	58.3		-	-	*			
13C-PCB-54	1.68e+07	0.83	y	25:35	1.13	9210					92.1	1.98e+06	2.33e+06
PCB-104	4.05e+06	1.60	y	30:02	1.18	3350		-	-	*			
PCB-96	1.59e+04	1.50	y	31:15	1.15	13.5	J	-	-	*			
PCB-103	2.81e+04	1.35	y	31:46	0.95	28.7		-	-	*			
PCB-100	2.53e+04	1.67	y	32:05	0.96	25.7		-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		332	496	11.5			
PCB-98	*	*	n	NotFnd	0.86	*		332	496	10.6	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		332	496	10.6	Co-elute PCB 98		
PCB-95	8.36e+05	1.69	y	33:01	0.83	974		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		332	496	10.9			
PCB-88	*	*	n	NotFnd	0.87	*		332	496	10.5	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*		332	496	10.5	Co-elute PCB 88		
PCB-121	6.63e+06	1.56	y	33:29	1.18	5460		-	-	*			
13C-PCB-104	1.03e+07	1.52	y	30:01	0.90	7070					70.7	1.35e+06	9.16e+05
13C-PCB-28	3.27e+07	1.05	y	26:38	1.90	10600					106	3.94e+06	3.62e+06
13C-PCB-52	1.62e+07	0.80	y	28:55	-	40.8							

PCB-56	7.00e+05	0.81	y	33:56	1.10	264		-	-	*			Co-elute PCB 60
PCB-60	7.00e+05	0.81	y	33:56	1.10	264		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1220	1400	9.87			
PCB-78	1.27e+07	0.78	y	35:37	1.21	4360		-	-	*			
PCB-81	*	*	n	NotFnd	1.30	*		1220	1400	10.1			
13C-PCB-81	2.30e+07	0.83	y	36:06	1.63	11400					114	2.30e+06	2.69e+06
PCB-77	6.98e+04	0.70	y	36:40	1.16	23.9		-	-	*			
13C-PCB-77	2.53e+07	0.83	y	36:40	1.71	11900					119	2.53e+06	3.11e+06
PCB-155	6.59e+06	1.32	y	34:12	1.22	6280		-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*		496	692	11.6			
PCB-152	*	*	n	NotFnd	1.19	*		496	692	11.8			
PCB-145	*	*	n	NotFnd	1.18	*		496	692	11.9			
PCB-136	1.83e+05	1.31	y	36:34	1.08	199		-	-	*			
PCB-148	*	*	n	NotFnd	1.02	*		496	692	13.8			
PCB-154	4.25e+04	1.19	y	37:09	1.05	47.1		-	-	*			
13C-PCB-155	8.56e+06	1.34	y	34:11	0.99	7000					70.0	1.26e+06	8.72e+05
13C-PCB-111	1.54e+07	1.64	y	36:16	1.27	9770					97.7	2.15e+06	1.30e+06
13C-PCB-101	1.24e+07	1.68	y	34:37	-	35.4							
PCB-84	5.79e+05	1.61	y	34:17	0.70	369		-	-	*			Co-elute PCB 92
PCB-92	5.79e+05	1.61	y	34:17	0.70	369		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.69	*		930	670	11.3			
PCB-90	1.22e+06	1.64	y	34:37	0.79	690		-	-	*			Co-elute PCB 101
PCB-101	1.22e+06	1.64	y	34:37	0.79	690		-	-	*			Co-elute PCB 90
PCB-113	5.40e+05	1.70	y	34:56	0.92	262		930	670	8.40			
PCB-99	5.40e+05	1.70	y	34:56	0.84	288		-	-	*			
PCB-119	4.77e+04	1.55	y	35:23	1.01	21.2		-	-	*			
PCB-83	5.84e+04	1.49	y	35:33	0.80	32.7		-	-	*			Co-elute PCB 112
PCB-112	5.84e+04	1.49	y	35:33	0.80	32.7		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		930	670	7.97			
PCB-97	2.98e+05	1.75	y	35:52	0.67	201		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		930	670	11.4			
PCB-125	4.12e+05	1.65	y	36:08	0.91	204		-	-	*			Co-elute PCB 87/117
PCB-87	4.12e+05	1.65	y	36:08	0.91	204		-	-	*			Co-elute PCB 125/117
PCB-117	4.12e+05	1.65	y	36:08	0.91	204		-	-	*			Co-elute PCB 125/87
PCB-111	3.36e+04	1.39	y	36:17	0.98	15.4	J	-	-	*			Co-elute PCB 115
PCB-115	3.36e+04	1.39	y	36:17	0.98	15.4	J	-	-	*			Co-elute PCB 111
PCB-85	1.64e+05	1.65	y	36:23	0.87	84.3		-	-	*			Co-elute PCB 116
PCB-116	1.64e+05	1.65	y	36:23	0.87	84.3		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		930	670	7.20			
PCB-110	1.28e+06	1.54	y	36:46	0.99	581		-	-	*			
PCB-82	8.76e+04	1.46	y	37:22	0.61	64.2		-	-	*			
PCB-124	6.85e+04	1.50	y	38:01	1.06	29.0		-	-	*			
PCB-108	8.48e+04	1.49	y	38:11	1.11	34.4		-	-	*			Co-elute PCB 107
PCB-107	8.48e+04	1.49	y	38:11	1.11	34.4		-	-	*			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.00	*		1110	1080	10.5			
13C-PCB-123	2.16e+07	1.59	y	38:18	1.29	11000					110	3.20e+06	2.02e+06
PCB-118	9.75e+05	1.51	y	38:29	1.07	399		-	-	*			Co-elute PCB 106
PCB-106	9.75e+05	1.51	y	38:29	1.07	399		-	-	*			Co-elute PCB 118
13C-PCB-118	2.29e+07	1.60	y	38:27	1.39	10800					108	3.35e+06	2.09e+06
PCB-114	3.39e+04	1.44	y	39:07	1.08	13.8	J	-	-	*			
13C-PCB-114	2.27e+07	1.60	y	39:05	1.37	10900					109	3.16e+06	2.00e+06
PCB-122	*	*	n	NotFnd	1.15	*		1110	1080	9.25			
PCB-105	3.63e+05	1.54	y	39:55	1.15	144		-	-	*			
13C-PCB-105	2.19e+07	1.59	y	39:53	1.37	10500					105	2.94e+06	1.88e+06

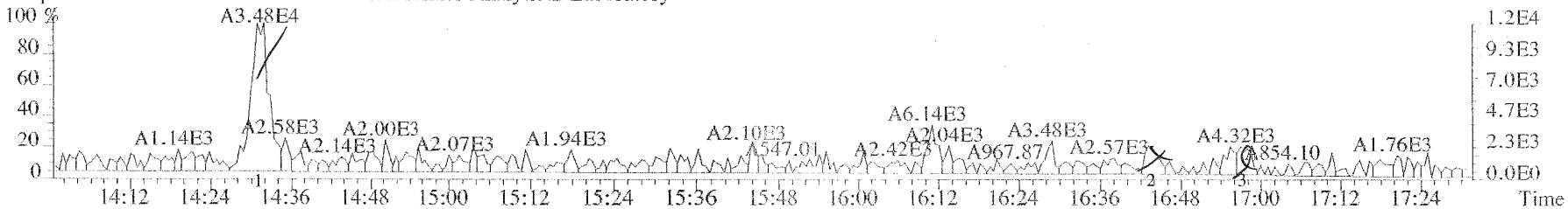
PCB-127	*	*	n	NotFnd	1.05	*		1110	1080	10.1			
PCB-126	*	*	n	NotFnd	1.07	*		1110	1080	10.1			
13C-PCB-126	2.19e+07	1.58	y	42:01	1.35	10700					107	3.11e+06	1.95e+06
PCB-151	3.76e+05	1.26	y	37:45	0.85	269		-	-	*			
PCB-135	1.83e+05	1.41	y	37:58	0.80	138		-	-	*			
PCB-144	8.95e+04	1.34	y	38:04	1.06	51.5		-	-	*			
PCB-147	4.43e+04	1.39	y	38:11	0.96	28.1		-	-	*			
PCB-139	1.23e+06	1.30	y	38:26	0.99	758		-	-	*		Co-elute PCB 149	
PCB-149	1.23e+06	1.30	y	38:26	0.99	758		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.95	*		900	756	11.4			
PCB-143	7.49e+04	1.32	y	39:02	0.81	56.1		-	-	*		Co-elute PCB 134	
PCB-134	7.49e+04	1.32	y	39:02	0.81	56.1		-	-	*		Co-elute PCB 143	
PCB-131	1.56e+06	1.23	y	39:27	0.84	1140		-	-	*		Co-elute PCB 133	
PCB-133	1.56e+06	1.23	y	39:27	0.84	1140		-	-	*		Co-elute PCB 131	
PCB-142	1.56e+06	1.23	y	39:27	0.83	1150		-	-	*			
PCB-165	1.98e+05	1.39	y	39:40	1.04	116		-	-	*		Co-elute PCB 146	
PCB-146	1.98e+05	1.39	y	39:40	1.04	116		-	-	*		Co-elute PCB 165	
PCB-161	3.58e+05	1.24	y	39:56	1.00	218		-	-	*		Co-elute PCB 132	
PCB-132	3.58e+05	1.24	y	39:56	1.00	218		-	-	*		Co-elute PCB 161	
PCB-153	1.34e+06	1.27	y	40:03	1.17	700		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		900	756	9.24			
PCB-141	1.88e+05	1.24	y	40:46	0.93	123		-	-	*			
PCB-137	4.07e+04	1.33	y	41:07	0.88	28.3		-	-	*			
PCB-130	5.16e+04	1.10	y	41:12	0.87	36.1		-	-	*			
PCB-138	1.14e+06	1.25	y	41:33	1.14	610		-	-	*		Co-elute PCB 163/164	
PCB-163	1.14e+06	1.25	y	41:33	1.14	610		-	-	*		Co-elute PCB 138/164	
PCB-164	1.14e+06	1.25	y	41:33	1.14	610		-	-	*		Co-elute PCB 138/163	
PCB-158	1.28e+05	1.10	y	41:47	1.25	62.2		-	-	*		Co-elute PCB 160	
PCB-160	1.28e+05	1.10	y	41:47	1.25	62.2		-	-	*		Co-elute PCB 158	
PCB-129	4.84e+04	1.28	y	42:03	0.81	36.5		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		900	756	8.96			
PCB-159	3.51e+04	1.23	y	42:49	1.33	16.1	J	-	-	*			
PCB-128	1.47e+05	1.32	y	43:02	1.06	84.1		-	-	*		Co-elute PCB 162	
PCB-162	1.47e+05	1.32	y	43:02	1.06	84.1		-	-	*		Co-elute PCB 128	
PCB-167	5.10e+04	1.39	y	43:25	1.23	24.3		-	-	*			
13C-PCB-167	1.70e+07	1.30	y	43:24	1.14	9800					98.0	2.20e+06	1.71e+06
PCB-156	9.20e+04	1.22	y	44:38	1.29	44.5		-	-	*			
13C-PCB-156	1.60e+07	1.28	y	44:36	1.12	9380					93.8	1.98e+06	1.57e+06
PCB-157	2.91e+04	1.13	y	44:53	1.24	14.3	J	-	-	*			
13C-PCB-157	1.64e+07	1.31	y	44:53	1.14	9410					94.1	2.10e+06	1.57e+06
PCB-169	*	*	n	NotFnd	1.20	*		900	756	8.41			
13C-PCB-169	1.63e+07	1.31	y	46:45	1.17	9180					91.8	2.37e+06	1.73e+06

FAL ID: 13371-014-0001-SA Filename: 20OCT20Z Sam:12 Acquired: 20-OCT-20 19:23:00 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-SC-ENR+AC-CA-S010-LONG ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

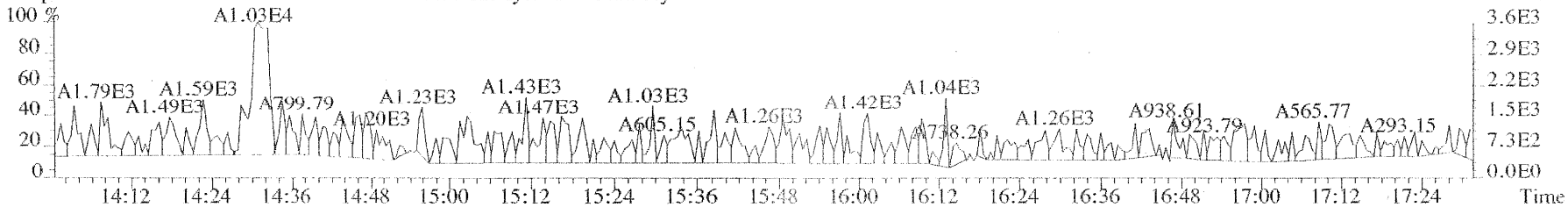
PCB-188	*	*	n	NotFnd	1.21	*	520	456	8.19			
13C-PCB-188	1.04e+07	1.10	y	39:40	0.86	7900				79.0	1.31e+06	1.15e+06
PCB-184	9.45e+06	1.08	y	40:08	1.31	7280	-	-	*			
PCB-179	1.13e+05	1.05	y	40:51	1.28	89.3	-	-	*			
PCB-176	3.56e+04	0.97	y	41:17	1.26	28.5	-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*	520	456	7.58			
PCB-178	3.53e+04	1.09	y	42:20	0.90	39.8	-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*	520	456	9.95			
PCB-187	2.00e+05	1.02	y	42:49	1.02	198	-	-	*		Co-elute PCB 182	
PCB-182	2.00e+05	1.02	y	42:49	1.02	198	-	-	*		Co-elute PCB 187	
PCB-183	1.20e+05	1.12	y	43:07	0.99	123	-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*	520	456	9.82			
PCB-174	1.51e+05	1.19	y	44:05	0.94	164	-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*	520	456	10.2			
PCB-177	7.99e+04	0.97	y	44:21	0.84	96.2	-	-	*			
PCB-171	4.38e+04	1.14	y	44:38	0.92	48.4	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*	520	456	11.2			
PCB-172	1.78e+05	1.10	y	45:24	0.87	207	-	-	*			
PCB-192	7.41e+06	1.10	y	45:35	1.14	6600	-	-	*			
PCB-180	2.32e+05	1.05	y	45:47	0.89	263	-	-	*			
PCB-193	2.54e+04	1.05	y	45:55	1.23	20.8	-	-	*			
PCB-191	*	*	n	NotFnd	1.27	*	520	456	7.31			
PCB-170	9.67e+04	1.16	y	47:04	0.89	109	-	-	*			
PCB-190	3.30e+04	1.19	y	47:13	1.18	28.2	-	-	*			
PCB-189	*	*	n	NotFnd	1.21	*	520	456	7.04			
13C-PCB-189	9.37e+06	1.11	y	48:23	0.88	7000				70.0	1.47e+06	1.39e+06
PCB-202	*	*	n	NotFnd	1.16	*	464	372	12.6			
PCB-201	*	*	n	NotFnd	1.24	*	464	372	11.8			
PCB-204	1.38e+07	0.94	y	45:24	1.26	17300	-	-	*			
PCB-197	6.99e+04	0.89	y	45:39	1.29	85.1	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	464	372	11.6			
PCB-198	*	*	n	NotFnd	0.91	*	464	372	16.2			
PCB-199	3.31e+04	1.01	y	47:41	0.95	54.5	-	-	*			
PCB-203	4.37e+04	0.82	y	47:55	1.01	67.8	-	-	*		Co-elute PCB 196	
PCB-196	4.37e+04	0.82	y	47:55	1.01	67.8	-	-	*		Co-elute PCB 203	
13C-PCB-202	6.35e+06	0.93	y	44:46	0.68	6180				61.8	6.91e+05	7.33e+05
13C-PCB-178	7.69e+06	1.08	y	42:18	0.70	7180				71.8	9.07e+05	8.25e+05
13C-PCB-138	1.52e+07	1.30	y	41:32	-	38.5						
PCB-195	3.10e+04	0.87	y	49:02	0.85	21.3	-	-	*			
PCB-194	5.92e+04	0.97	y	49:49	0.94	36.9	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*	1250	1530	10.5			
13C-PCB-205	1.71e+07	0.89	y	50:03	1.22	9450				94.5	2.75e+06	3.18e+06
PCB-208	*	*	n	NotFnd	1.11	*	996	988	11.5			
13C-PCB-208	1.26e+07	0.84	y	49:08	0.98	8680				86.8	1.75e+06	2.17e+06
PCB-207	8.93e+04	1.23	y	49:26	1.26	63.7	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	996	988	13.0			
13C-PCB-206	9.61e+06	0.80	y	51:15	0.75	8670				86.7	1.46e+06	1.83e+06
PCB-209	9.88e+04	1.19	y	52:27	1.22	89.1	-	-	*			
13C-PCB-209	9.08e+06	1.22	y	52:26	0.80	7710				77.1	1.57e+06	1.26e+06
13C-PCB-194	1.48e+07	0.92	y	49:48	-	35.5						

Analyst: _____ Date: 10/28/20

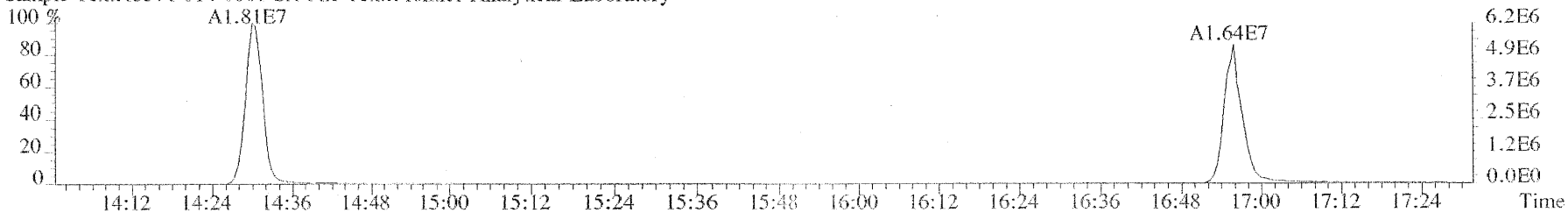
File:20OCT20Z #1-783 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



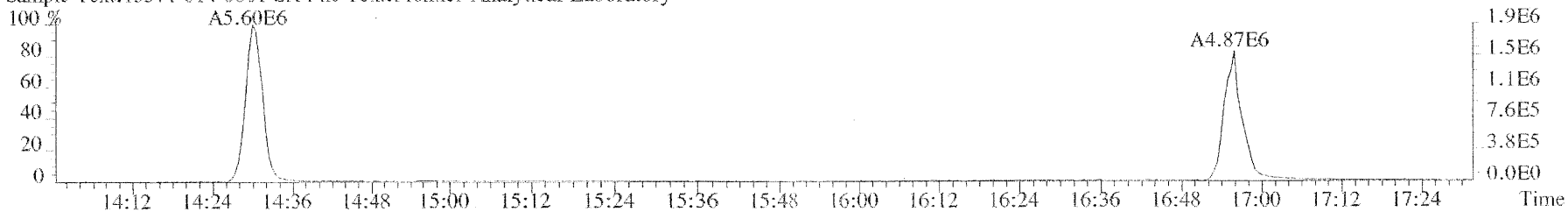
File:20OCT20Z #1-783 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



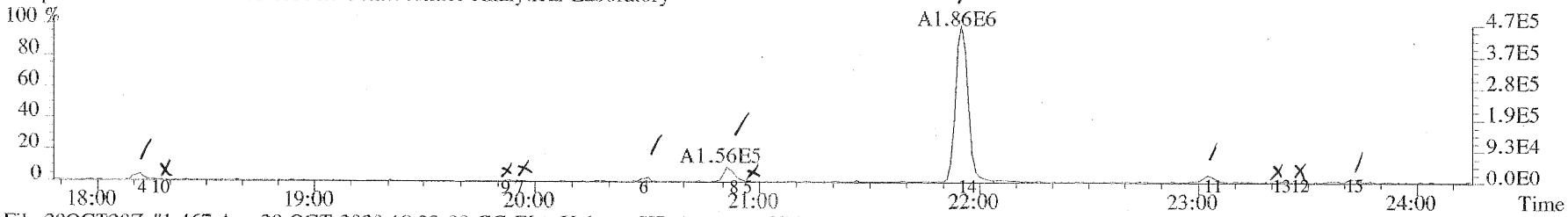
File:20OCT20Z #1-783 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



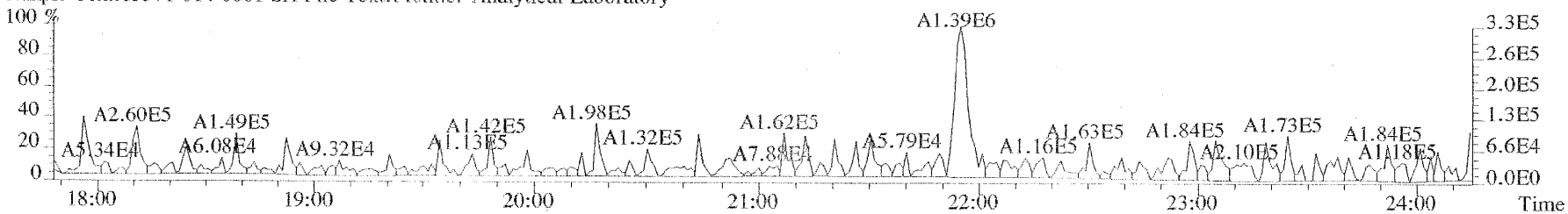
File:20OCT20Z #1-783 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



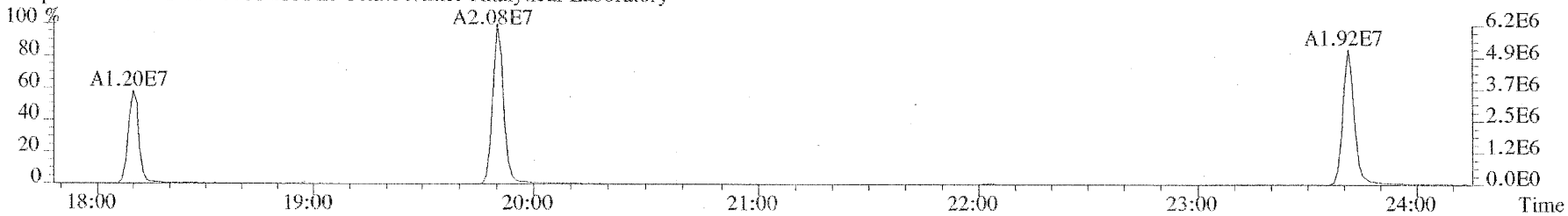
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



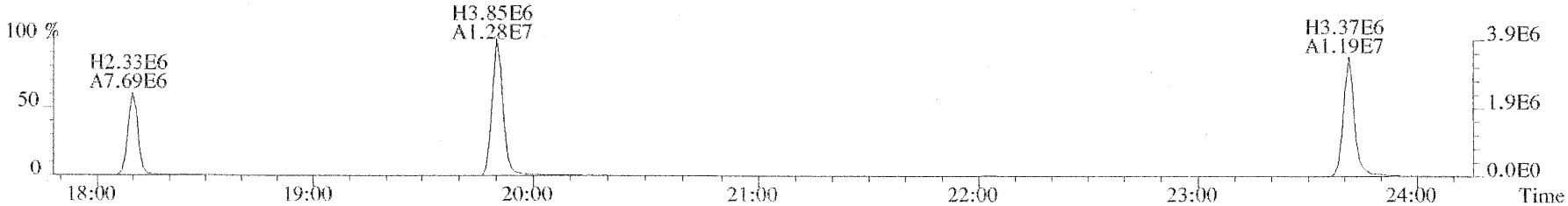
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



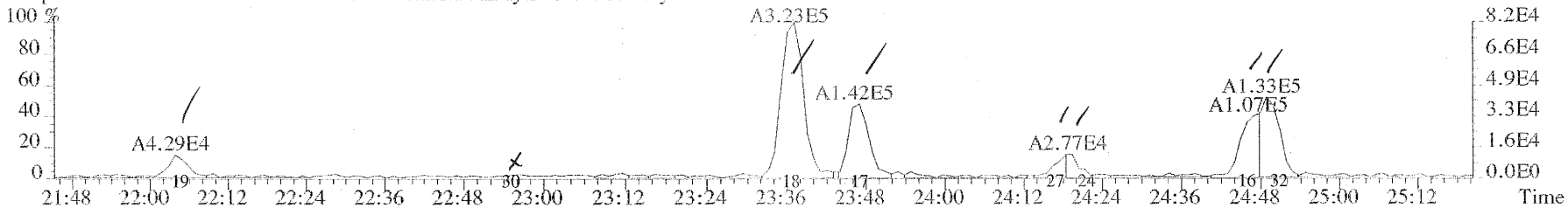
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



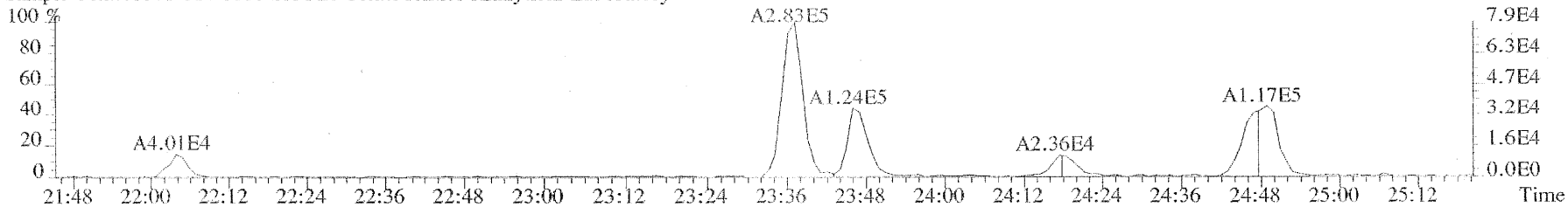
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



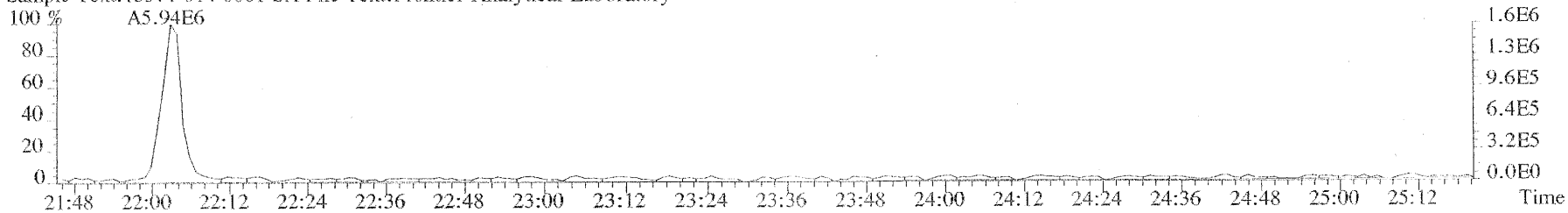
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



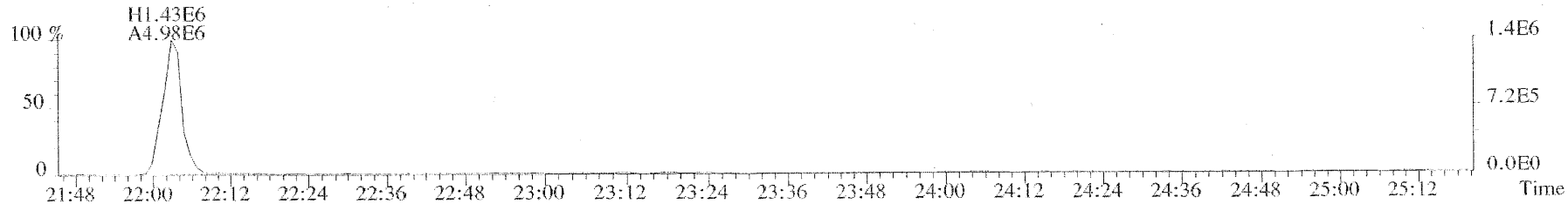
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



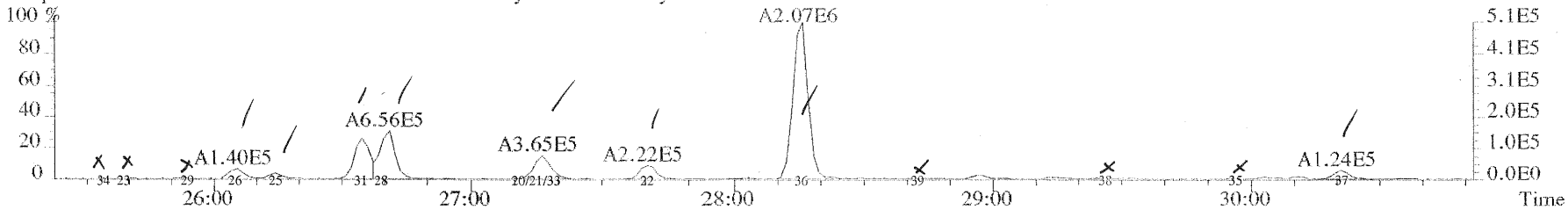
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



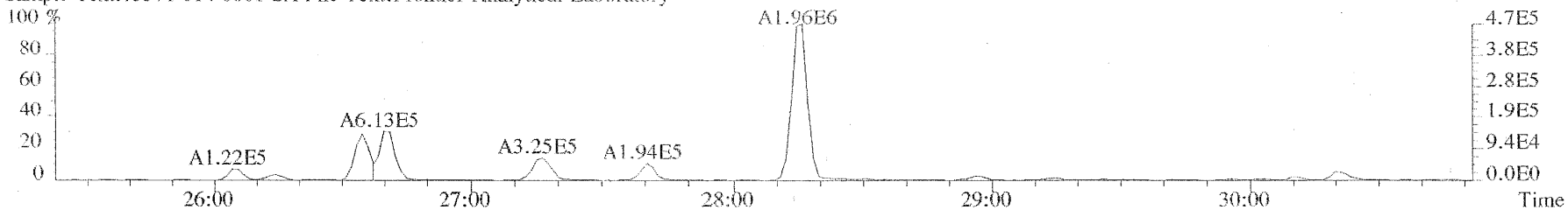
File:20OCT20Z #1-467 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



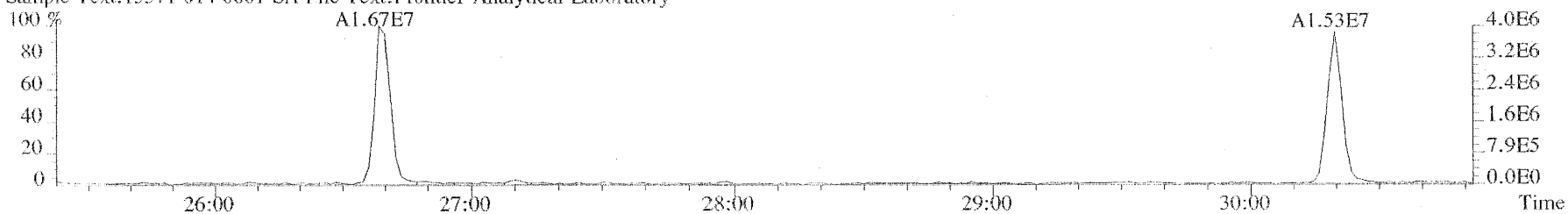
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



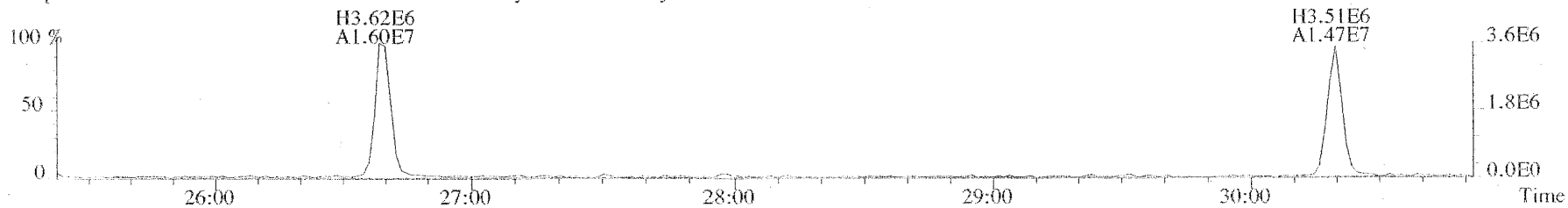
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



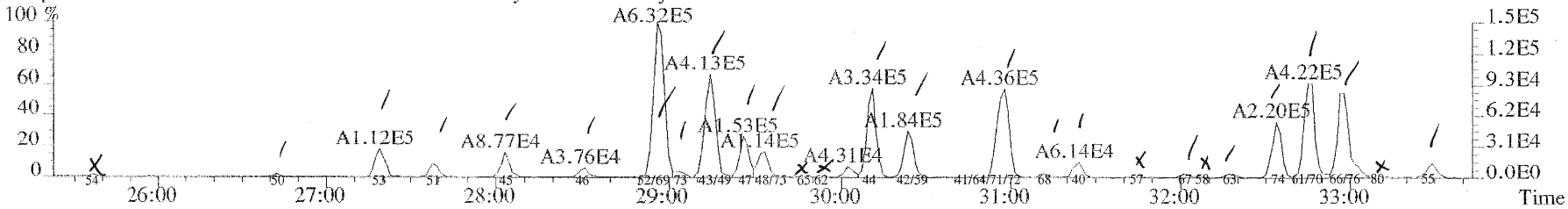
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



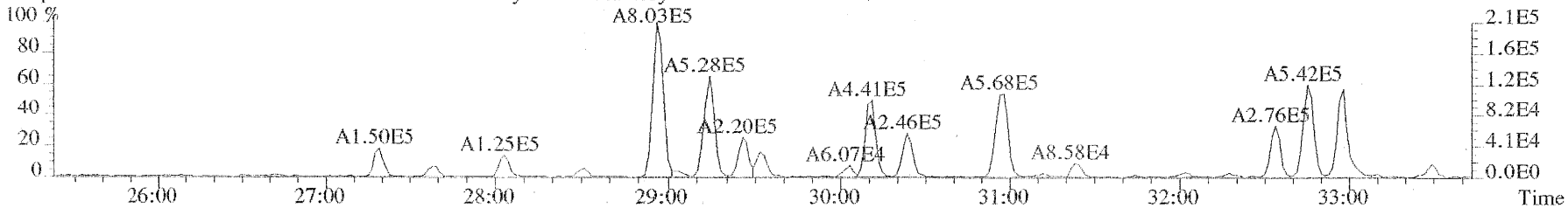
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



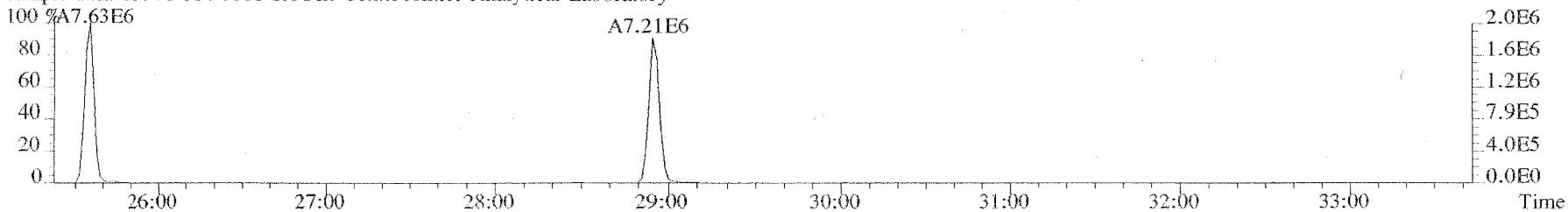
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



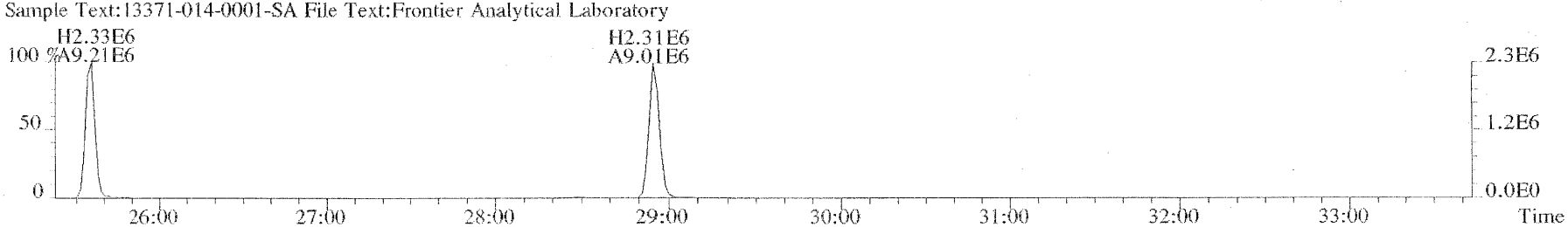
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



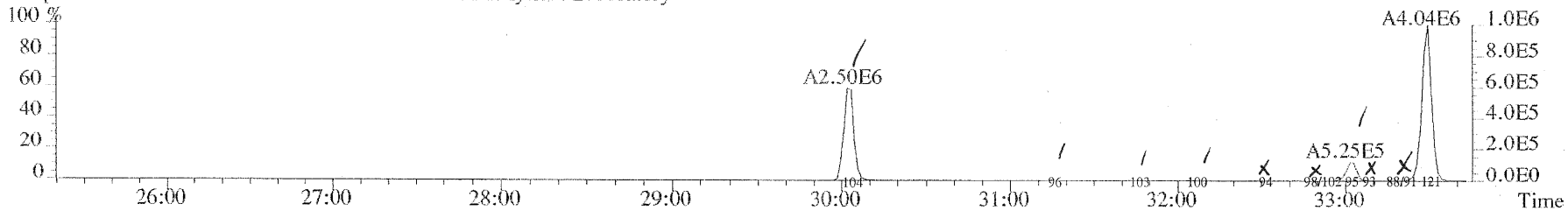
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



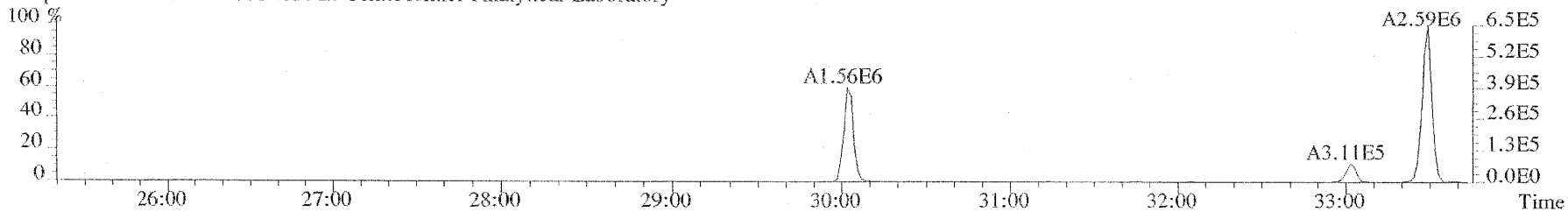
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



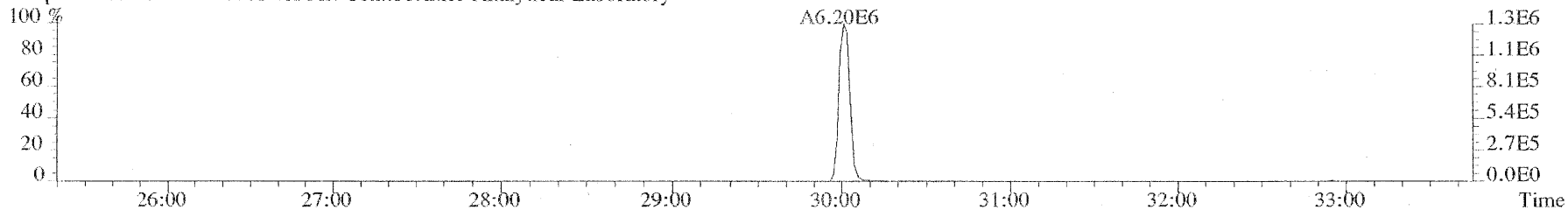
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



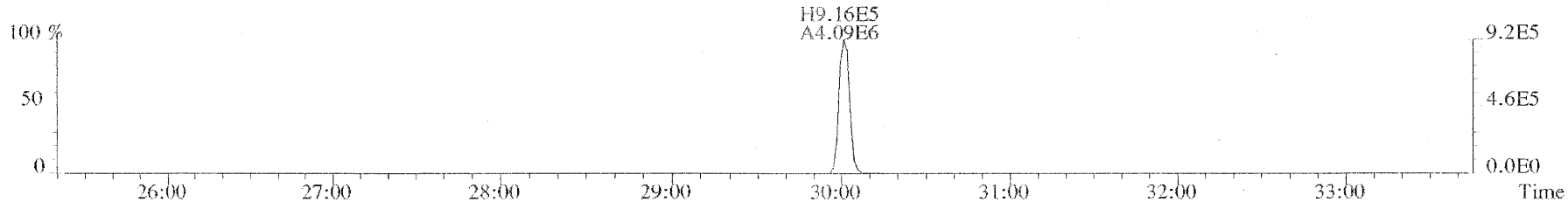
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



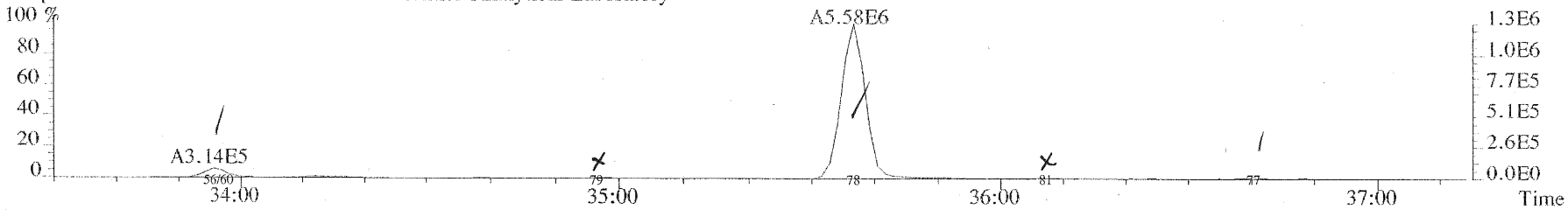
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



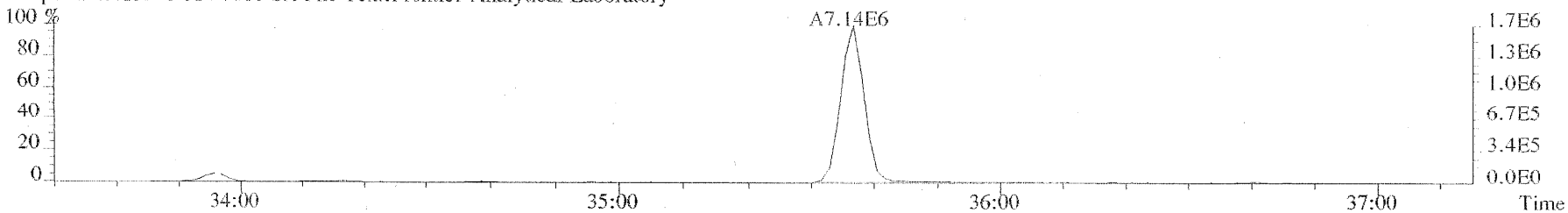
File:20OCT20Z #1-397 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



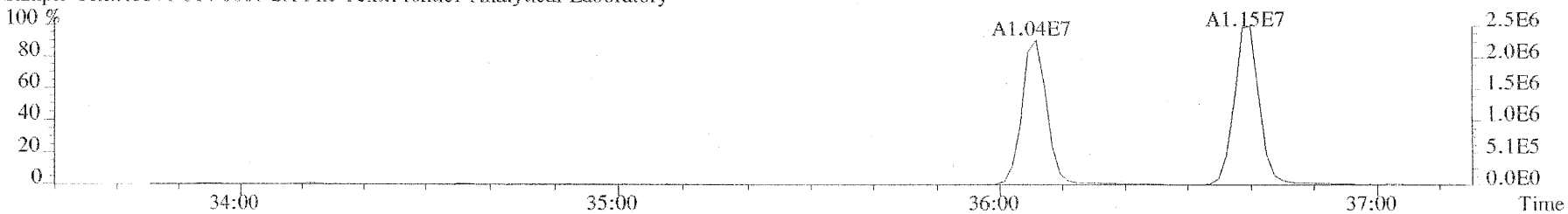
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



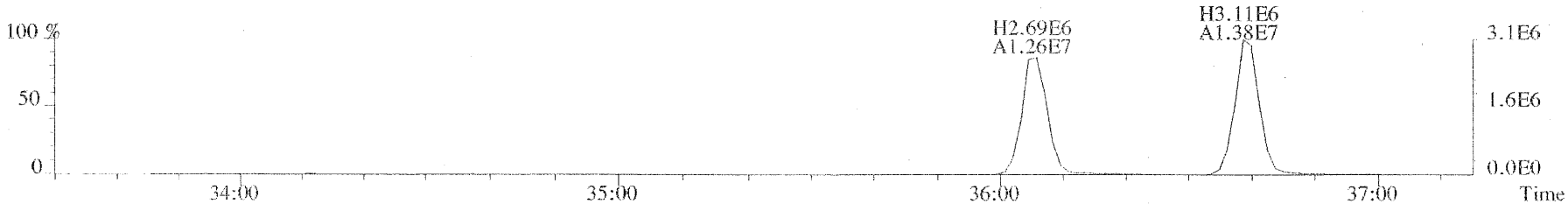
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



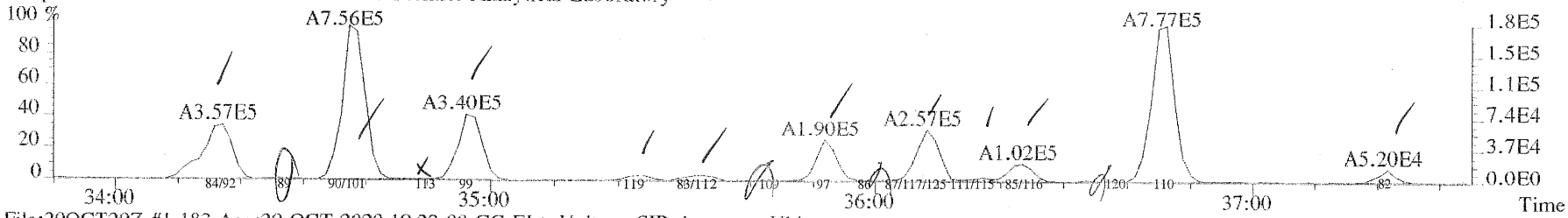
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



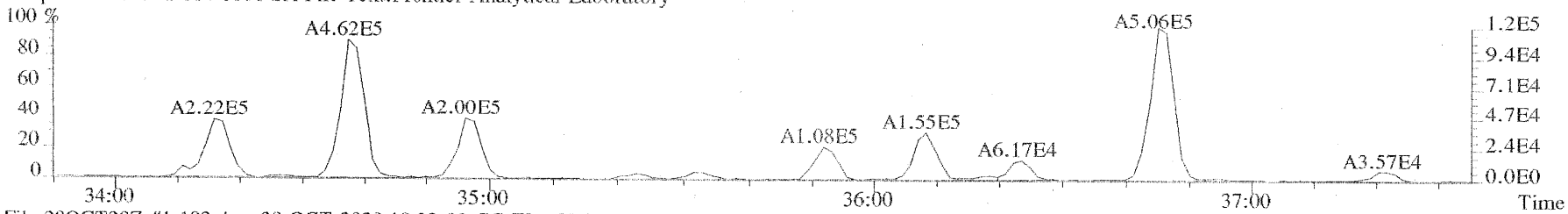
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



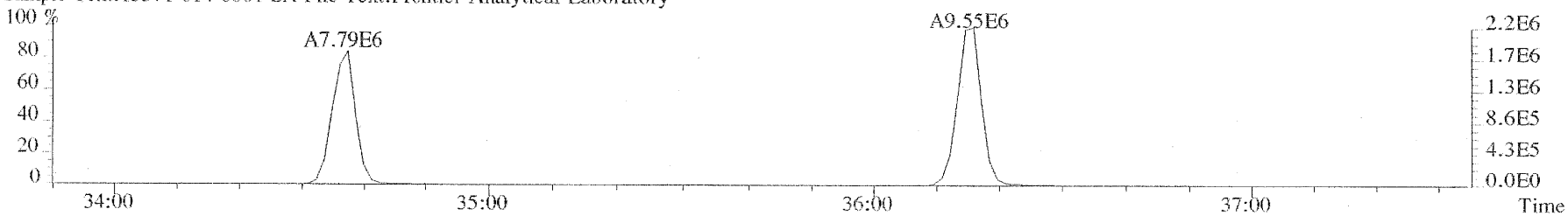
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



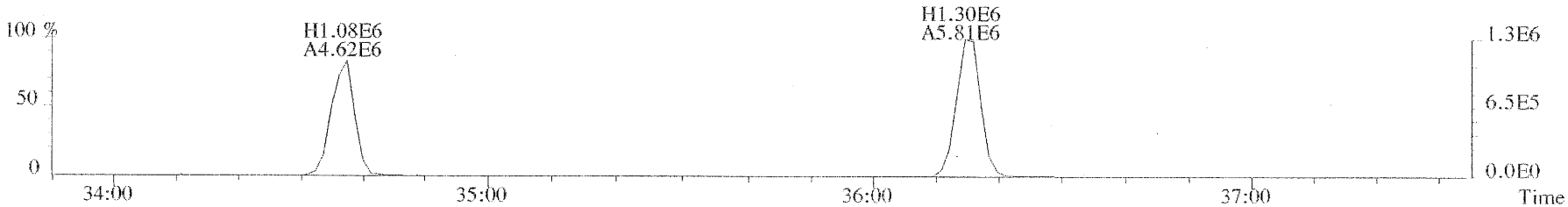
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



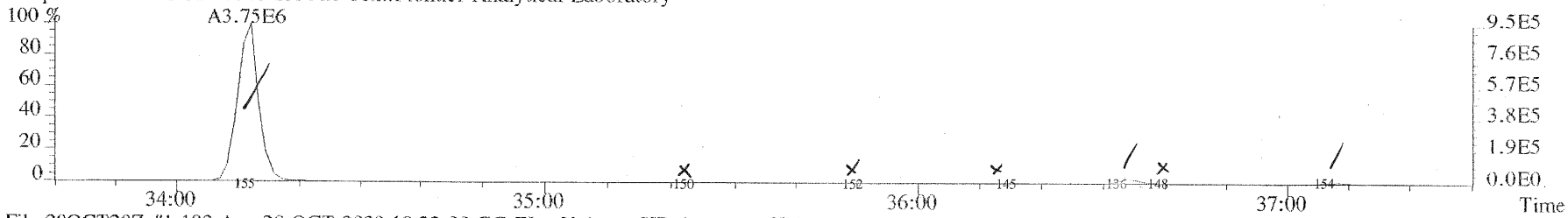
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



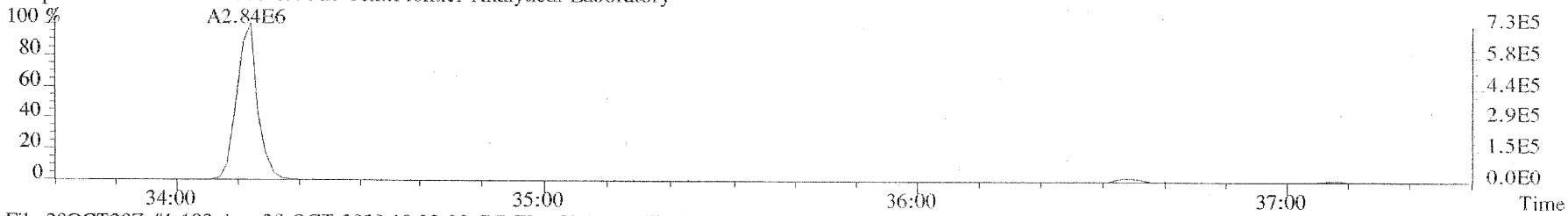
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



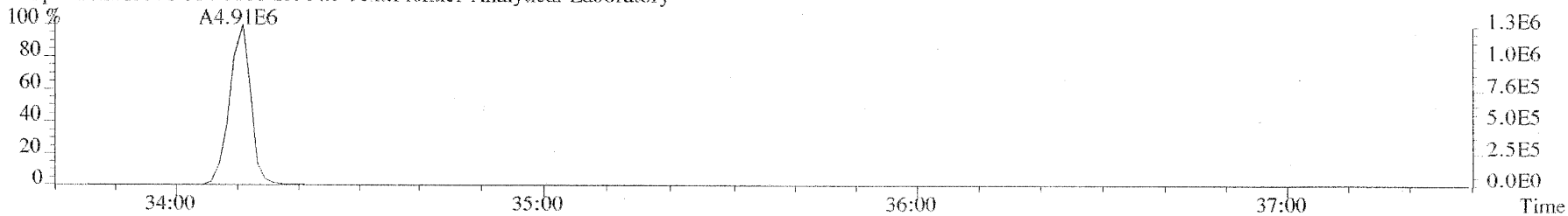
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



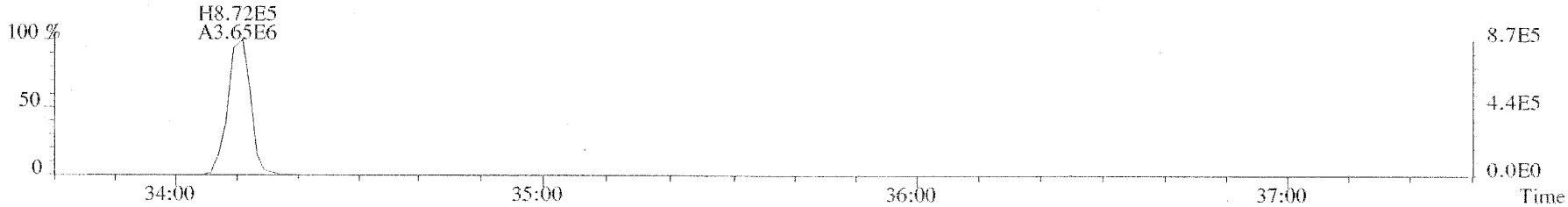
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



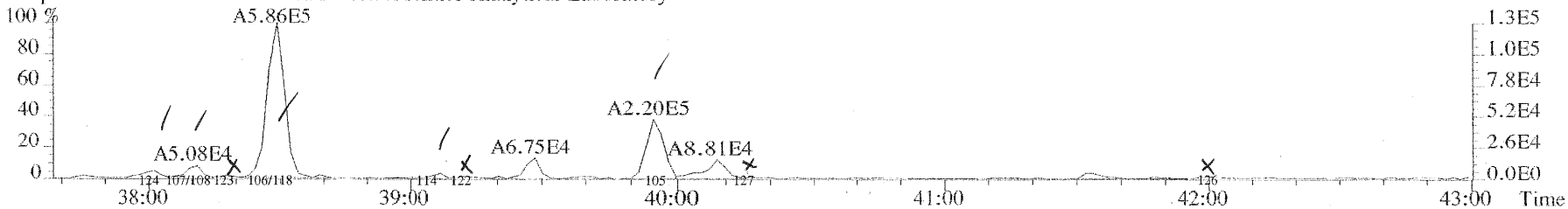
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



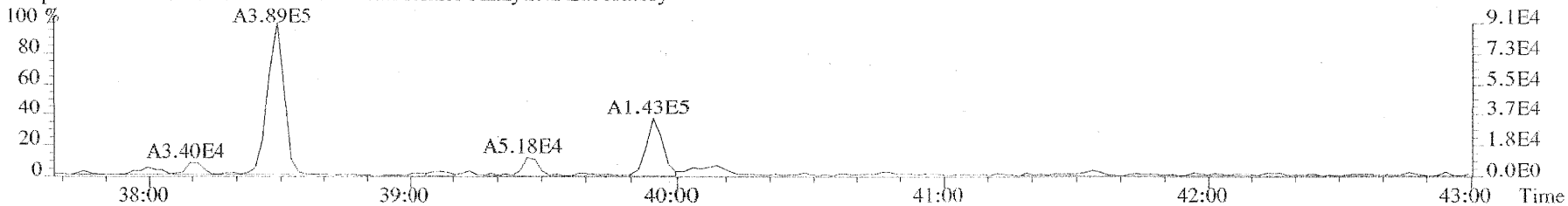
File:20OCT20Z #1-183 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



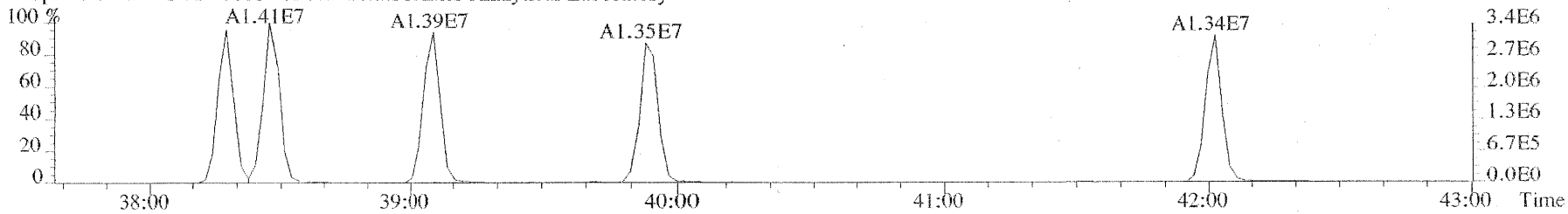
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



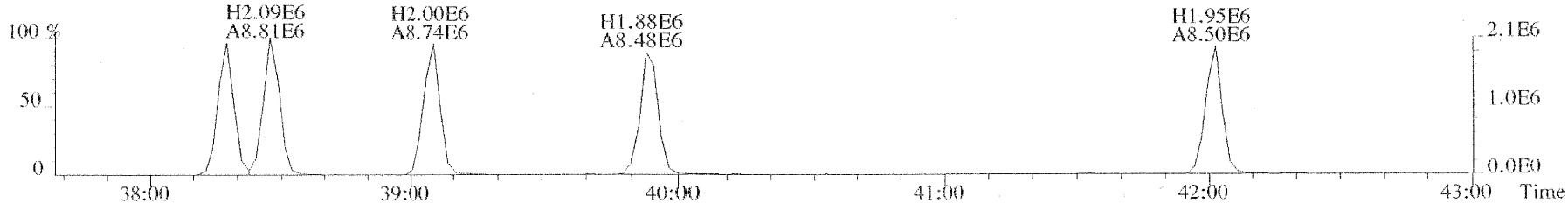
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



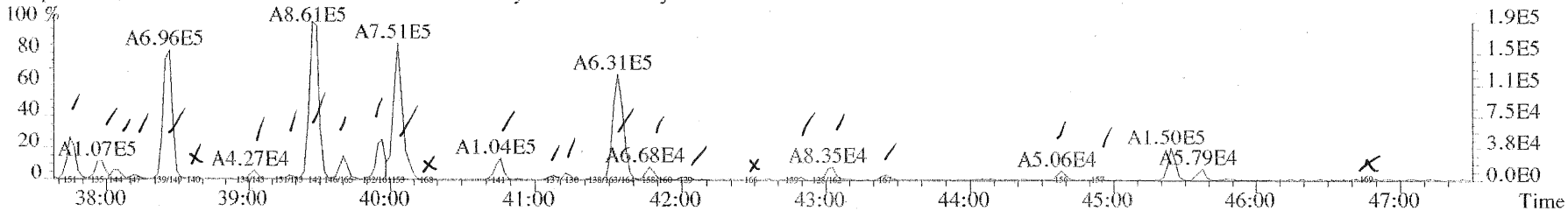
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



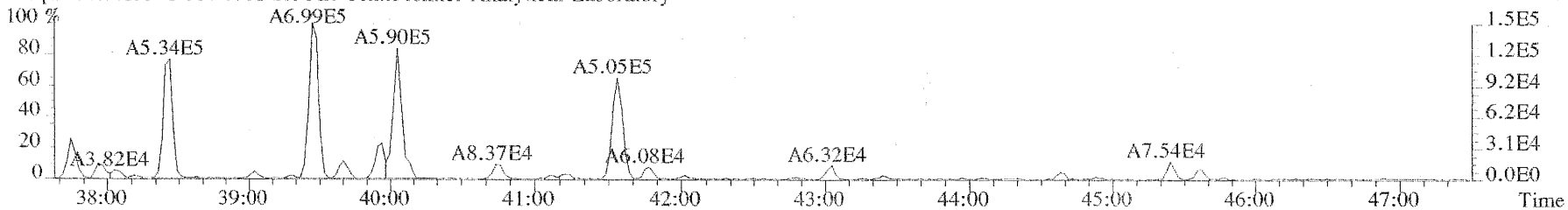
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



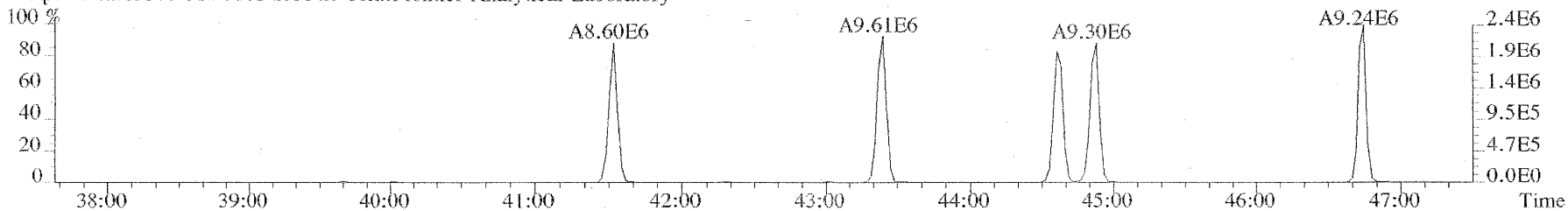
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



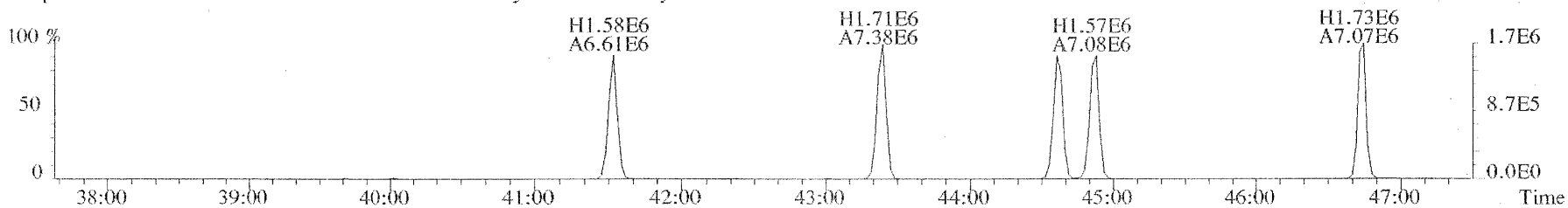
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



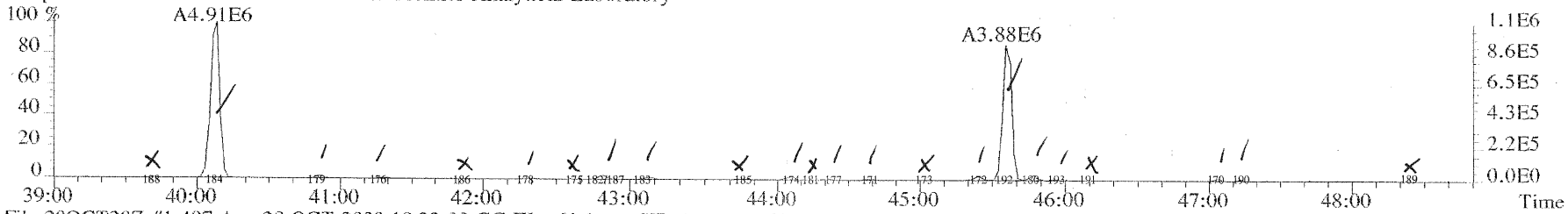
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



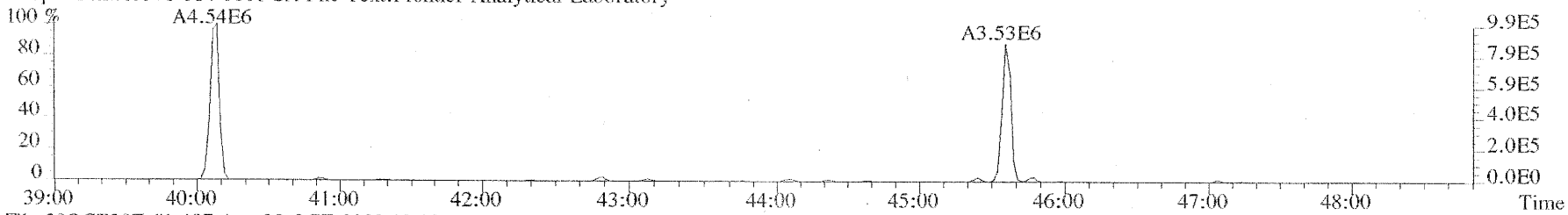
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



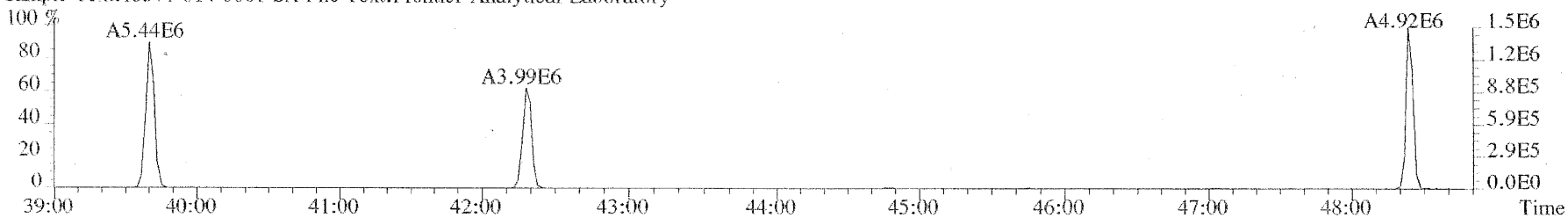
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



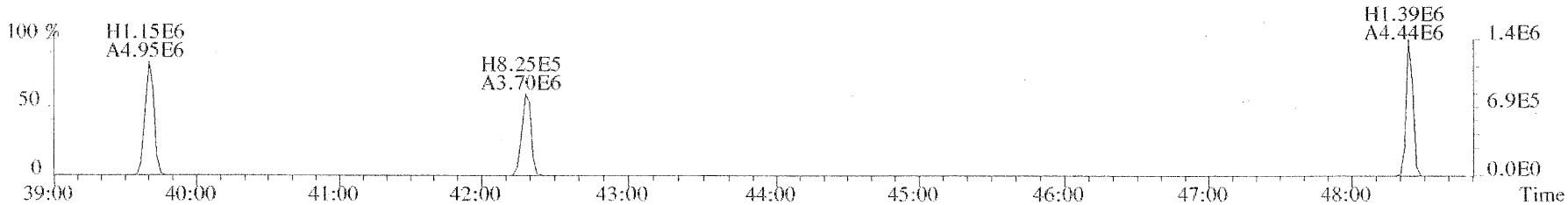
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



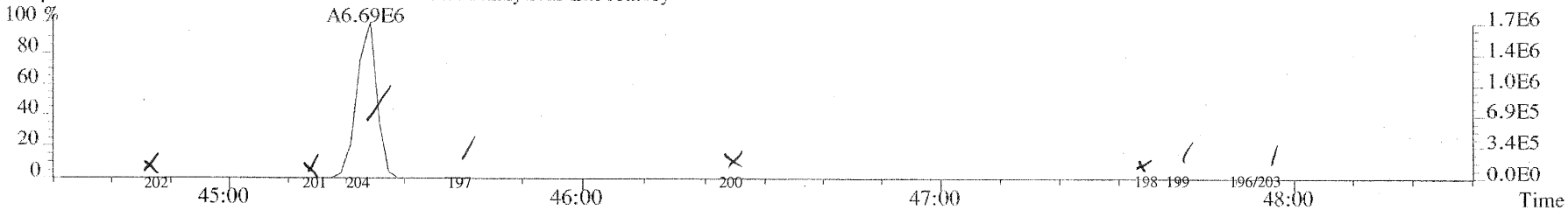
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



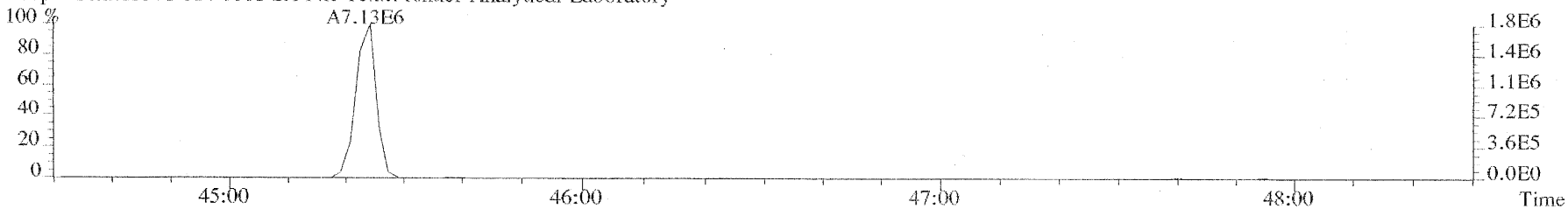
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



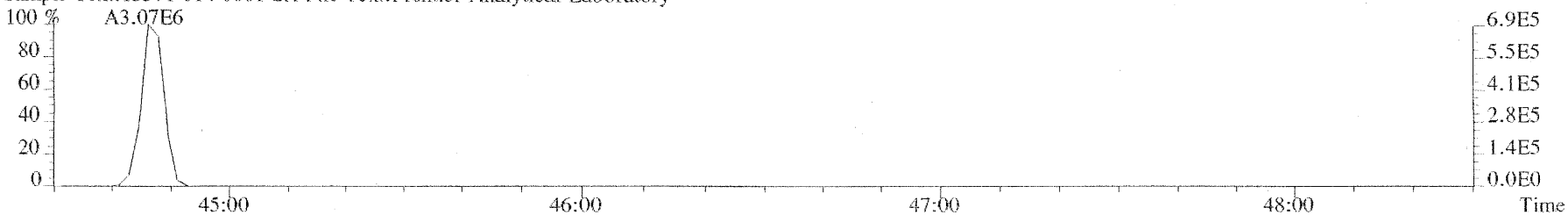
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



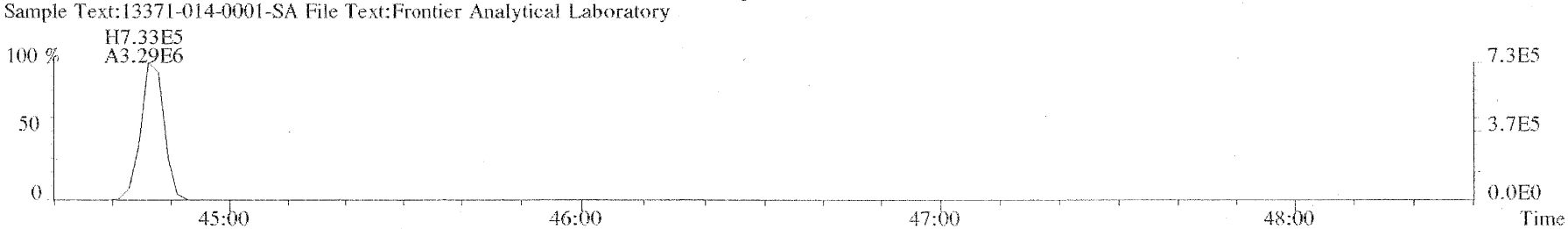
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



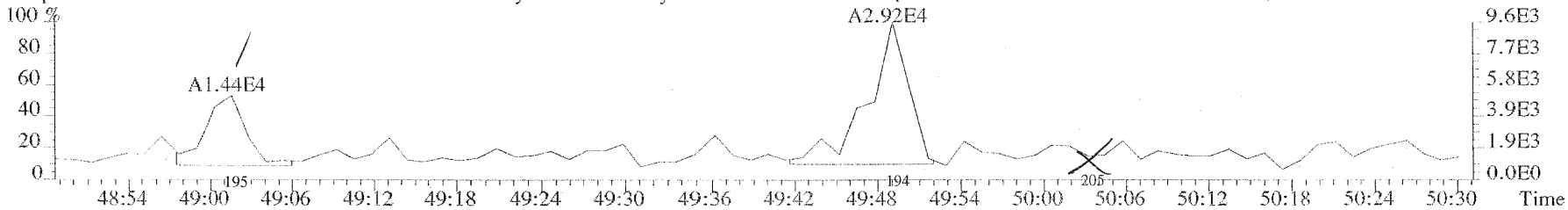
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



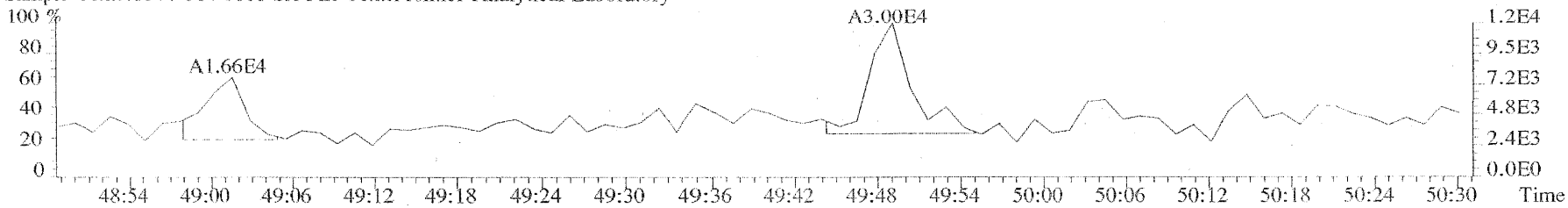
File:20OCT20Z #1-407 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



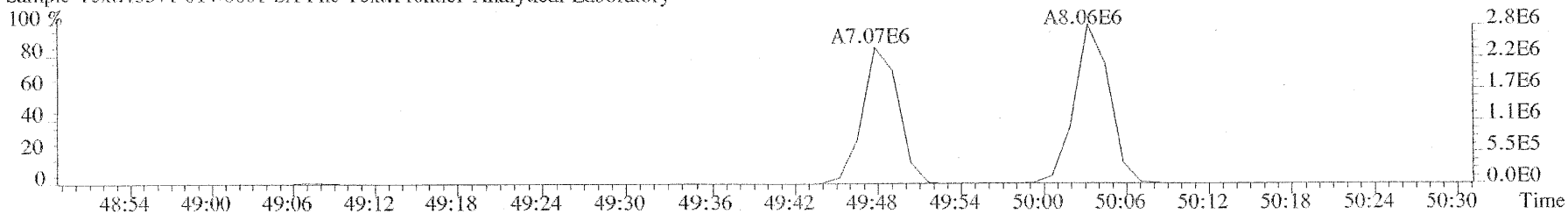
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



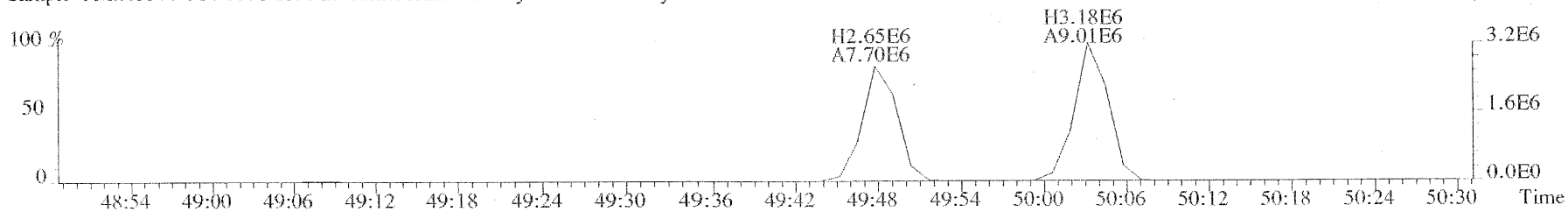
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



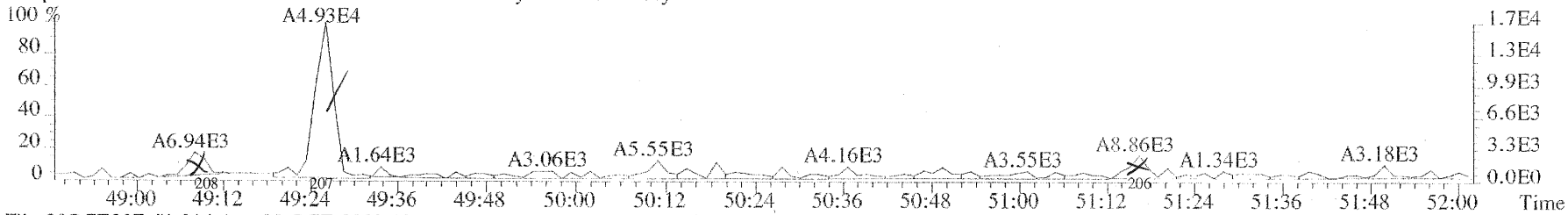
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



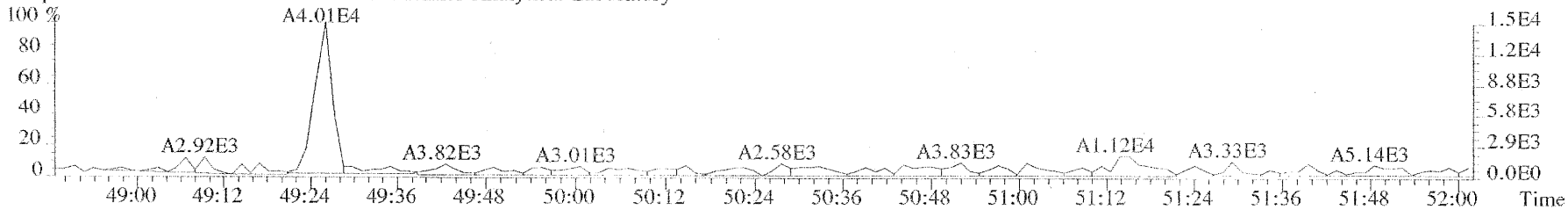
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



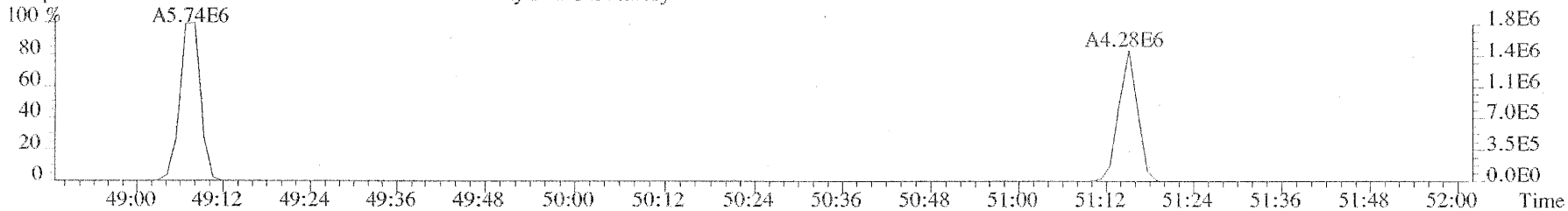
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



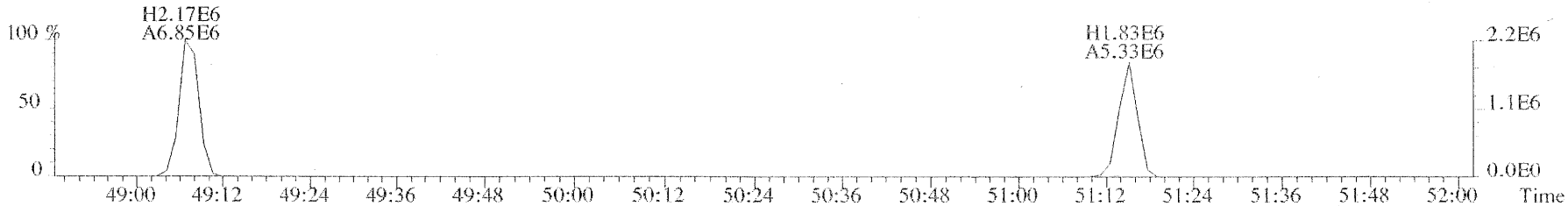
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



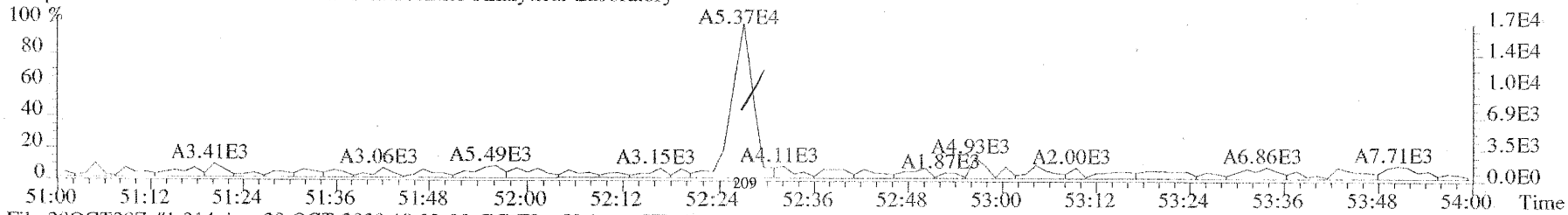
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



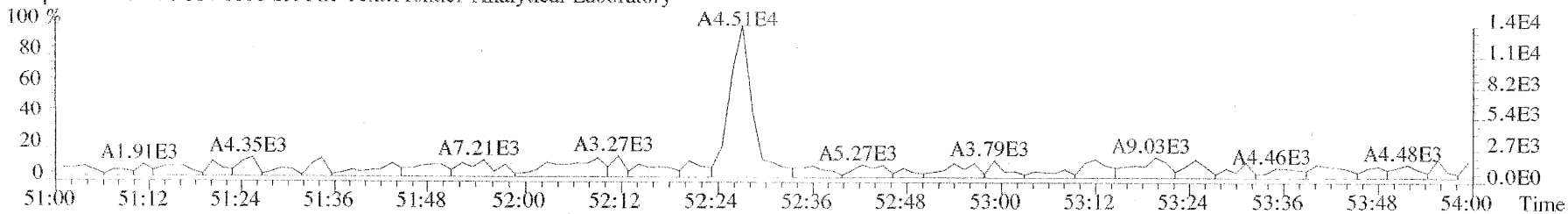
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



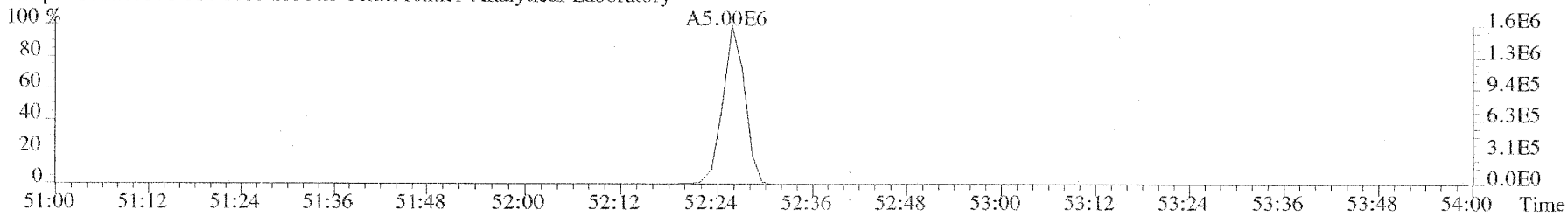
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



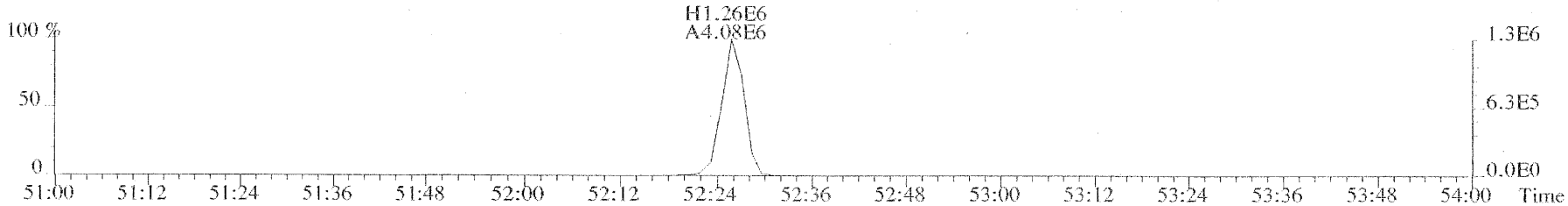
File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 19:23:00 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-014-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-015-0001-SA Filename: 20OCT20Z Sam:13 Acquired: 20-OCT-20 20:21:21 ICal: DAILY209FAL4-10-20-20
Client ID: LDW-Y3-SC-ENR+AC-CB-S010 ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.32	*		1180	972	6.25			
13C-PCB-1	1.98e+07	3.24 y	14:29	0.87	6870					68.7	4.89e+06	1.57e+06
PCB-2	*	* n	NotFnd	1.31	*		1180	972	6.67			
PCB-3	*	* n	NotFnd	1.32	*		1180	972	7.03			
13C-PCB-3	1.99e+07	3.27 y	16:56	0.82	7250					72.5	4.52e+06	1.34e+06
PCB-4	9.89e+04	1.46 y	18:11	1.06	49.3		-	-	*			
PCB-10	*	* n	NotFnd	1.30	*		756	2520	9.53			
13C-PCB-4	1.90e+07	1.58 y	18:10	0.65	8740					87.4	3.61e+06	2.28e+06
PCB-9	*	* n	NotFnd	1.28	*		756	2520	9.67			
PCB-7	*	* n	NotFnd	1.33	*		756	2520	9.33			
PCB-6	1.13e+05	1.48 y	20:29	1.42	33.5		-	-	*			
PCB-8	4.10e+05	1.52 y	20:52	1.27	136		-	-	*			
PCB-5	*	* n	NotFnd	1.23	*		756	2520	10.1			
PCB-14	2.31e+06	1.41 y	21:55	1.28	760		-	-	*			
PCB-11	1.22e+05	1.45 y	23:02	1.23	41.6		-	-	*			
PCB-13	*	* n	NotFnd	1.22	*		756	2520	10.1			
PCB-12	*	* n	NotFnd	1.25	*		756	2520	9.95			
PCB-15	9.59e+04	1.55 y	23:42	1.12	30.0		-	-	*			
13C-PCB-15	2.85e+07	1.62 y	23:41	1.02	8430					84.3	4.56e+06	2.68e+06
PCB-19	1.07e+05	1.16 y	22:04	1.27	88.2		-	-	*			
PCB-30	*	* n	NotFnd	1.90	*		1760	432	10.3			
PCB-18	9.55e+05	1.14 y	23:36	1.28	780		-	-	*			
PCB-17	4.39e+05	1.19 y	23:47	1.42	324		-	-	*			
PCB-27	6.60e+04	1.19 y	24:17	1.89	36.5		-	-	*			
PCB-24	7.07e+04	1.00 y	24:18	1.83	40.5		-	-	*			
PCB-16	3.32e+05	1.02 y	24:47	1.61	216		-	-	*			
PCB-32	3.57e+05	1.16 y	24:49	1.67	225		-	-	*			
13C-PCB-19	9.54e+06	1.15 y	22:03	0.42	6850					68.5	1.52e+06	1.29e+06
13C-PCB-9	3.32e+07	1.61 y	19:50	-	45.5							
PCB-34	*	* n	NotFnd	1.07	*		1000	1040	9.06			
PCB-23	*	* n	NotFnd	1.13	*		1000	1040	8.60			
PCB-29	*	* n	NotFnd	1.09	*		1000	1040	8.86			
PCB-26	3.88e+05	1.10 y	26:04	1.07	158		-	-	*			
PCB-25	1.91e+05	1.04 y	26:14	1.06	78.6		-	-	*			
PCB-31	1.55e+06	1.08 y	26:35	1.32	510		-	-	*			
PCB-28	1.66e+06	1.08 y	26:40	1.32	548		-	-	*			
PCB-20	1.02e+06	1.10 y	27:16	1.08	409		-	-	*		Co-elute PCB 21/33	
PCB-21	1.02e+06	1.10 y	27:16	1.08	409		-	-	*		Co-elute PCB 20/33	
PCB-33	1.02e+06	1.10 y	27:16	1.08	409		-	-	*		Co-elute PCB 20/21	
PCB-22	5.74e+05	1.14 y	27:40	1.20	208		-	-	*			
PCB-36	2.65e+06	1.12 y	28:14	1.13	1020		-	-	*			
PCB-39	*	* n	NotFnd	1.13	*		1000	1040	8.57			
PCB-38	*	* n	NotFnd	1.08	*		1000	1040	8.95			
PCB-35	*	* n	NotFnd	1.10	*		1000	1040	8.84			
PCB-37	3.05e+05	1.06 y	30:20	1.14	117		-	-	*			
13C-PCB-37	2.30e+07	1.07 y	30:20	1.64	9540					95.4	2.75e+06	2.50e+06

PCB-54	*	*	n	NotFnd	1.36	*		768	1280	9.25			
PCB-50	2.61e+04	0.75	y	26:41	1.06	15.6	J	-	-	*			
PCB-53	3.12e+05	0.75	y	27:18	1.04	190		-	-	*			
PCB-51	1.06e+05	0.76	y	27:38	1.10	61.1		-	-	*			
PCB-45	2.59e+05	0.77	y	28:03	0.92	179		-	-	*			
PCB-46	1.05e+05	0.82	y	28:30	0.88	75.4		-	-	*			
PCB-52	1.67e+06	0.78	y	28:56	1.15	919		-	-	*	Co-elute PCB 69		
PCB-69	1.67e+06	0.78	y	28:56	1.15	919		-	-	*	Co-elute PCB 52		
PCB-73	5.23e+04	0.88	y	29:02	1.32	25.1		-	-	*			
PCB-43	1.17e+06	0.76	y	29:14	0.99	745		-	-	*	Co-elute PCB 49		
PCB-49	1.17e+06	0.76	y	29:14	0.99	745		-	-	*	Co-elute PCB 43		
PCB-47	3.98e+05	0.69	y	29:25	1.01	250		-	-	*			
PCB-48	3.62e+05	0.79	y	29:32	1.31	175		-	-	*	Co-elute PCB 75		
PCB-75	3.62e+05	0.79	y	29:32	1.31	175		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.33	*		768	1280	9.48			
PCB-62	*	*	n	NotFnd	1.28	*		768	1280	9.85			
PCB-44	9.44e+05	0.75	y	30:11	0.87	690		-	-	*			
PCB-42	5.17e+05	0.74	y	30:23	1.14	288		-	-	*	Co-elute PCB 59		
PCB-59	5.17e+05	0.74	y	30:23	1.14	288		-	-	*	Co-elute PCB 42		
PCB-72	1.28e+06	0.76	y	30:56	1.28	631		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.28e+06	0.76	y	30:56	1.28	631		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.28e+06	0.76	y	30:56	1.28	631		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.28e+06	0.76	y	30:56	1.28	631		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.03e+04	0.77	y	31:10	1.49	17.2	J	-	-	*			
PCB-40	1.68e+05	0.71	y	31:24	0.81	131		-	-	*			
PCB-57	*	*	n	NotFnd	1.41	*		768	1280	8.93			
PCB-67	5.46e+04	0.80	y	32:01	1.42	24.3		-	-	*			
PCB-58	*	*	n	NotFnd	1.39	*		768	1280	9.08			
PCB-63	6.07e+04	0.68	y	32:16	1.40	27.5		-	-	*			
PCB-74	6.11e+05	0.76	y	32:34	1.42	272		-	-	*			
PCB-61	1.26e+06	0.75	y	32:45	1.28	626		-	-	*	Co-elute PCB 70		
PCB-70	1.26e+06	0.75	y	32:45	1.28	626		-	-	*	Co-elute PCB 61		
PCB-76	1.17e+06	0.77	y	32:56	1.49	499		-	-	*	Co-elute PCB 66		
PCB-66	1.17e+06	0.77	y	32:56	1.49	499		-	-	*	Co-elute PCB 76		
PCB-80	3.21e+04	0.84	y	33:09	1.69	12.1	J	-	-	*			
PCB-55	1.52e+05	0.84	y	33:29	1.49	64.6		-	-	*			
13C-PCB-54	1.58e+07	0.82	y	25:34	1.13	9530					95.3	1.83e+06	2.24e+06
PCB-104	4.00e+06	1.56	y	30:02	1.18	3270		-	-	*			
PCB-96	1.69e+04	1.74	y	31:14	1.15	14.2	J	-	-	*			
PCB-103	3.15e+04	1.36	y	31:43	0.95	31.8		-	-	*			
PCB-100	2.21e+04	1.42	y	32:04	0.96	22.2		-	-	*			
PCB-94	*	*	n	NotFnd	0.79	*		280	452	9.09			
PCB-98	*	*	n	NotFnd	0.86	*		280	452	8.40	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		280	452	8.40	Co-elute PCB 98		
PCB-95	9.65e+05	1.61	y	33:01	0.83	1110		-	-	*			
PCB-93	*	*	n	NotFnd	0.83	*		280	452	8.66			
PCB-88	*	*	n	NotFnd	0.87	*		280	452	8.29	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.87	*		280	452	8.29	Co-elute PCB 88		
PCB-121	5.80e+06	1.56	y	33:28	1.18	4720		-	-	*			
13C-PCB-104	1.04e+07	1.59	y	30:01	0.90	7890					78.9	1.56e+06	9.74e+05
13C-PCB-28	2.63e+07	1.09	y	26:38	1.90	9400					94.0	3.46e+06	3.19e+06
13C-PCB-52	1.47e+07	0.78	y	28:55	-	37.0							

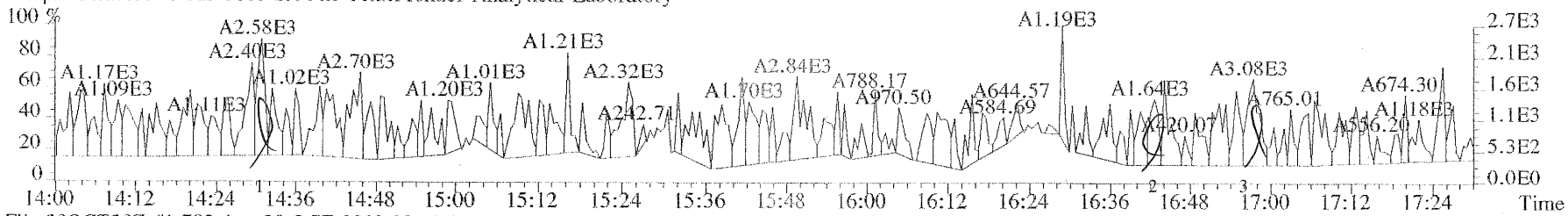
PCB-56	9.52e+05	0.80	y	33:55	1.10	395		-	-	*			Co-elute PCB 60
PCB-60	9.52e+05	0.80	y	33:55	1.10	395		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		840	1460	8.70			
PCB-78	9.02e+06	0.80	y	35:35	1.21	3400		-	-	*			
PCB-81	6.94e+04	0.77	y	36:07	1.30	24.9		-	-	*			
13C-PCB-81	2.15e+07	0.82	y	36:04	1.63	10800					108	2.36e+06	2.96e+06
PCB-77	9.42e+04	0.70	y	36:40	1.16	36.7		-	-	*			
13C-PCB-77	2.23e+07	0.81	y	36:39	1.71	10700					107	2.39e+06	2.85e+06
PCB-155	6.55e+06	1.31	y	34:11	1.22	5280		-	-	*			
PCB-150	*	*	n	NotFnd	1.20	*		772	608	11.0			
PCB-152	*	*	n	NotFnd	1.19	*		772	608	11.1			
PCB-145	*	*	n	NotFnd	1.18	*		772	608	11.2			
PCB-136	2.12e+05	1.37	y	36:33	1.08	195		-	-	*			
PCB-148	2.12e+05	1.37	y	36:33	1.02	206		772	608	13.0			
PCB-154	3.21e+04	1.13	y	37:08	1.05	30.0		-	-	*			
13C-PCB-155	1.01e+07	1.29	y	34:09	0.99	8430					84.3	1.48e+06	1.14e+06
13C-PCB-111	1.41e+07	1.63	y	36:15	1.27	9120					91.2	2.10e+06	1.31e+06
13C-PCB-101	1.22e+07	1.64	y	34:36	-	34.8							
PCB-84	6.52e+05	1.57	y	34:16	0.70	461		-	-	*			Co-elute PCB 92
PCB-92	6.52e+05	1.57	y	34:16	0.70	461		-	-	*			Co-elute PCB 84
PCB-89	2.36e+04	1.57	y	34:27	0.69	17.1	J	-	-	*			
PCB-90	1.44e+06	1.61	y	34:37	0.79	902		-	-	*			Co-elute PCB 101
PCB-101	1.44e+06	1.61	y	34:37	0.79	902		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.92	*		964	840	10.1			
PCB-99	6.51e+05	1.55	y	34:56	0.84	385		-	-	*			
PCB-119	5.54e+04	1.38	y	35:21	1.01	27.2		-	-	*			
PCB-83	6.45e+04	1.49	y	35:32	0.80	40.0		-	-	*			Co-elute PCB 112
PCB-112	6.45e+04	1.49	y	35:32	0.80	40.0		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		964	840	9.62			
PCB-97	3.46e+05	1.49	y	35:51	0.67	258		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		964	840	13.7			
PCB-125	4.88e+05	1.68	y	36:07	0.91	268		-	-	*			Co-elute PCB 87/117
PCB-87	4.88e+05	1.68	y	36:07	0.91	268		-	-	*			Co-elute PCB 125/117
PCB-117	4.88e+05	1.68	y	36:07	0.91	268		-	-	*			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.98	*		964	840	9.56			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.98	*		964	840	9.56			Co-elute PCB 111
PCB-85	2.03e+05	1.48	y	36:22	0.87	116		-	-	*			Co-elute PCB 116
PCB-116	2.03e+05	1.48	y	36:22	0.87	116		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.08	*		964	840	8.70			
PCB-110	1.51e+06	1.52	y	36:45	0.99	756		-	-	*			
PCB-82	1.06e+05	1.58	y	37:20	0.61	85.8		-	-	*			
PCB-124	6.82e+04	1.43	y	37:59	1.06	32.0		-	-	*			
PCB-108	9.75e+04	1.39	y	38:09	1.11	43.8		-	-	*			Co-elute PCB 107
PCB-107	9.75e+04	1.39	y	38:09	1.11	43.8		-	-	*			Co-elute PCB 108
PCB-123	3.04e+04	1.34	y	38:18	1.00	15.7	J	-	-	*			
13C-PCB-123	1.94e+07	1.57	y	38:16	1.29	10400					104	3.02e+06	1.88e+06
PCB-118	1.11e+06	1.54	y	38:27	1.07	502		-	-	*			Co-elute PCB 106
PCB-106	1.11e+06	1.54	y	38:27	1.07	502		-	-	*			Co-elute PCB 118
13C-PCB-118	2.07e+07	1.62	y	38:27	1.39	10200					102	2.75e+06	1.76e+06
PCB-114	3.00e+04	1.60	y	39:05	1.08	13.6	J	-	-	*			
13C-PCB-114	2.03e+07	1.60	y	39:04	1.37	10300					103	3.23e+06	2.01e+06
PCB-122	*	*	n	NotFnd	1.15	*		1040	790	8.26			
PCB-105	4.32e+05	1.44	y	39:53	1.15	188		-	-	*			
13C-PCB-105	2.00e+07	1.59	y	39:53	1.37	10100					101	2.88e+06	1.80e+06

PCB-127	*	*	n	NotFnd	1.05	*		1040	790	9.03			
PCB-126	*	*	n	NotFnd	1.07	*		1040	790	8.71			
13C-PCB-126	2.01e+07	1.64	y	42:00	1.35	10300					103	3.04e+06	1.84e+06
PCB-151	3.65e+05	1.31	y	37:45	0.85	273		-	-	*			
PCB-135	1.83e+05	1.29	y	37:56	0.80	145		-	-	*			
PCB-144	9.61e+04	1.28	y	38:03	1.06	57.8		-	-	*			
PCB-147	3.08e+04	1.34	y	38:09	0.96	20.5		-	-	*			
PCB-139	1.30e+06	1.31	y	38:24	0.99	838		-	-	*		Co-elute PCB 149	
PCB-149	1.30e+06	1.31	y	38:24	0.99	838		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.95	*		790	684	10.3			
PCB-143	7.02e+04	1.27	y	39:00	0.81	55.0		-	-	*		Co-elute PCB 134	
PCB-134	7.02e+04	1.27	y	39:00	0.81	55.0		-	-	*		Co-elute PCB 143	
PCB-131	3.89e+04	1.30	y	39:17	0.84	29.7		-	-	*		Co-elute PCB 133	
PCB-133	3.89e+04	1.30	y	39:17	0.84	29.7		-	-	*		Co-elute PCB 131	
PCB-142	1.24e+06	1.30	y	39:27	0.83	959		-	-	*			
PCB-165	2.30e+05	1.34	y	39:38	1.04	141		-	-	*		Co-elute PCB 146	
PCB-146	2.30e+05	1.34	y	39:38	1.04	141		-	-	*		Co-elute PCB 165	
PCB-161	4.04e+05	1.25	y	39:55	1.00	257		-	-	*		Co-elute PCB 132	
PCB-132	4.04e+05	1.25	y	39:55	1.00	257		-	-	*		Co-elute PCB 161	
PCB-153	1.37e+06	1.33	y	40:01	1.17	750		-	-	*			
PCB-168	*	*	n	NotFnd	1.18	*		790	684	8.33			
PCB-141	1.89e+05	1.27	y	40:44	0.93	130		-	-	*			
PCB-137	3.11e+04	1.06	y	41:05	0.88	22.6		-	-	*			
PCB-130	6.34e+04	1.15	y	41:10	0.87	46.3		-	-	*			
PCB-138	1.25e+06	1.17	y	41:32	1.14	699		-	-	*		Co-elute PCB 163/164	
PCB-163	1.25e+06	1.17	y	41:32	1.14	699		-	-	*		Co-elute PCB 138/164	
PCB-164	1.25e+06	1.17	y	41:32	1.14	699		-	-	*		Co-elute PCB 138/163	
PCB-158	1.39e+05	1.11	y	41:45	1.25	70.8		-	-	*		Co-elute PCB 160	
PCB-160	1.39e+05	1.11	y	41:45	1.25	70.8		-	-	*		Co-elute PCB 158	
PCB-129	5.06e+04	1.26	y	42:00	0.81	39.9		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		790	684	8.08			
PCB-159	3.11e+04	1.13	y	42:46	1.33	14.9	J	-	-	*			
PCB-128	1.50e+05	1.27	y	43:01	1.06	90.1		-	-	*		Co-elute PCB 162	
PCB-162	1.50e+05	1.27	y	43:01	1.06	90.1		-	-	*		Co-elute PCB 128	
PCB-167	4.53e+04	1.40	y	43:24	1.23	22.8		-	-	*			
13C-PCB-167	1.61e+07	1.27	y	43:22	1.14	9740					97.4	2.10e+06	1.61e+06
PCB-156	9.83e+04	1.33	y	44:36	1.29	50.2		-	-	*			
13C-PCB-156	1.52e+07	1.29	y	44:35	1.12	9340					93.4	2.03e+06	1.61e+06
PCB-157	*	*	n	NotFnd	1.24	*		790	684	8.46			
13C-PCB-157	1.59e+07	1.26	y	44:51	1.14	9630					96.3	1.93e+06	1.57e+06
PCB-169	*	*	n	NotFnd	1.20	*		790	684	7.24			
13C-PCB-169	1.56e+07	1.30	y	46:43	1.17	9230					92.3	2.43e+06	1.80e+06

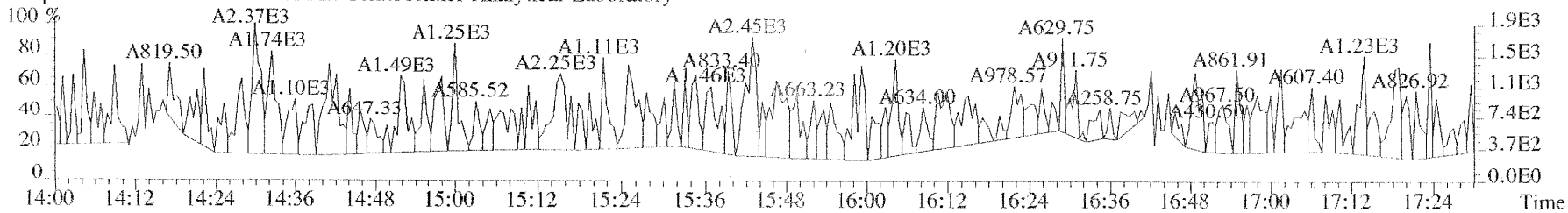
PCB-188	*	*	n	NotFnd	1.21	*	520	536	9.33			
13C-PCB-188	1.02e+07	1.09	y	39:38	0.86	8140				81.4	1.21e+06	1.13e+06
PCB-184	8.63e+06	1.10	y	40:06	1.31	6850	-	-	*			
PCB-179	1.35e+05	1.02	y	40:49	1.28	110	-	-	*			
PCB-176	4.35e+04	1.17	y	41:17	1.26	36.0	-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*	520	536	8.34			
PCB-178	4.92e+04	1.12	y	42:18	0.90	57.1	-	-	*			
PCB-175	*	*	n	NotFnd	0.93	*	520	536	10.9			
PCB-187	2.50e+05	1.12	y	42:46	1.02	255	-	-	*		Co-elute PCB 182	
PCB-182	2.50e+05	1.12	y	42:46	1.02	255	-	-	*		Co-elute PCB 187	
PCB-183	1.30e+05	1.00	y	43:06	0.99	136	-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*	520	536	10.8			
PCB-174	1.33e+05	1.10	y	44:03	0.94	148	-	-	*			
PCB-181	*	*	n	NotFnd	0.91	*	520	536	11.2			
PCB-177	9.69e+04	1.12	y	44:20	0.84	120	-	-	*			
PCB-171	3.94e+04	1.07	y	44:36	0.92	44.8	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*	520	536	12.3			
PCB-172	1.47e+05	0.95	y	45:22	0.87	177	-	-	*			
PCB-192	6.43e+06	1.08	y	45:34	1.14	5890	-	-	*			
PCB-180	2.68e+05	1.07	y	45:45	0.89	313	-	-	*			
PCB-193	*	*	n	NotFnd	1.23	*	520	536	8.27			
PCB-191	*	*	n	NotFnd	1.27	*	520	536	8.04			
PCB-170	1.03e+05	1.03	y	47:03	0.89	120	-	-	*			
PCB-190	3.03e+04	1.09	y	47:11	1.18	26.7	-	-	*			
PCB-189	*	*	n	NotFnd	1.21	*	520	536	7.38			
13C-PCB-189	9.01e+06	1.10	y	48:23	0.88	7080				70.8	1.58e+06	1.37e+06
PCB-202	*	*	n	NotFnd	1.16	*	492	440	12.5			
PCB-201	*	*	n	NotFnd	1.24	*	492	440	11.7			
PCB-204	1.21e+07	0.94	y	45:22	1.26	14800	-	-	*			
PCB-197	5.70e+04	0.87	y	45:39	1.29	67.9	-	-	*			
PCB-200	*	*	n	NotFnd	1.27	*	492	440	11.4			
PCB-198	*	*	n	NotFnd	0.91	*	492	440	16.0			
PCB-199	3.72e+04	0.94	y	47:39	0.95	60.0	-	-	*			
PCB-203	4.24e+04	0.94	y	47:55	1.01	64.4	-	-	*		Co-elute PCB 196	
PCB-196	4.24e+04	0.94	y	47:55	1.01	64.4	-	-	*		Co-elute PCB 203	
13C-PCB-202	6.49e+06	0.94	y	44:46	0.68	6640				66.4	7.95e+05	8.12e+05
13C-PCB-178	7.54e+06	1.11	y	42:16	0.70	7400				74.0	9.06e+05	8.31e+05
13C-PCB-138	1.45e+07	1.29	y	41:30	-	36.6						
PCB-195	3.85e+04	0.84	y	49:00	0.85	27.4	-	-	*			
PCB-194	6.41e+04	0.87	y	49:48	0.94	41.5	-	-	*			
PCB-205	*	*	n	NotFnd	1.12	*	1040	1240	9.81			
13C-PCB-205	1.64e+07	0.90	y	50:03	1.22	9190				91.9	2.42e+06	2.76e+06
PCB-208	*	*	n	NotFnd	1.11	*	932	1170	9.41			
13C-PCB-208	1.36e+07	0.82	y	49:07	0.98	9480				94.8	2.30e+06	2.74e+06
PCB-207	8.29e+04	1.28	y	49:25	1.26	55.0	-	-	*			
PCB-206	*	*	n	NotFnd	1.16	*	932	1170	12.5			
13C-PCB-206	1.03e+07	0.82	y	51:14	0.75	9360				93.6	1.64e+06	1.99e+06
PCB-209	1.01e+05	1.11	y	52:26	1.22	84.4	-	-	*			
13C-PCB-209	9.83e+06	1.22	y	52:26	0.80	8430				84.3	1.58e+06	1.26e+06
13C-PCB-194	1.46e+07	0.91	y	49:48	-	35.1						

Analyst: _____ Date: 10/28/20

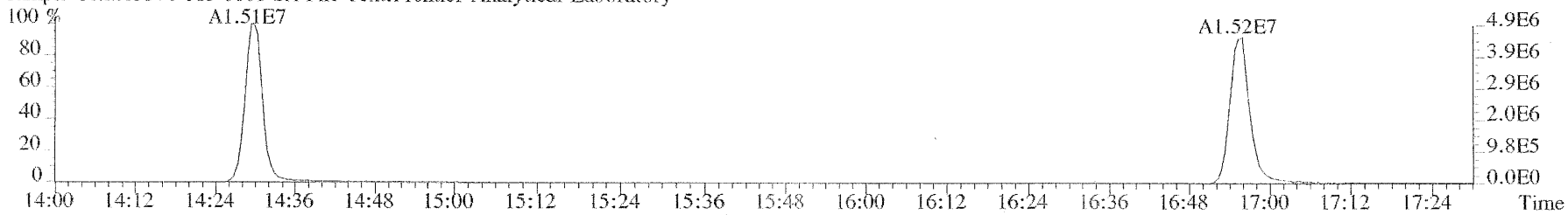
File:20OCT20Z #1-783 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



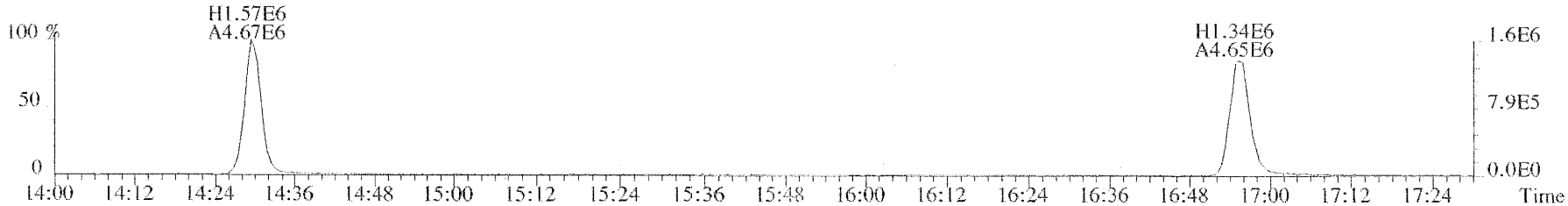
File:20OCT20Z #1-783 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



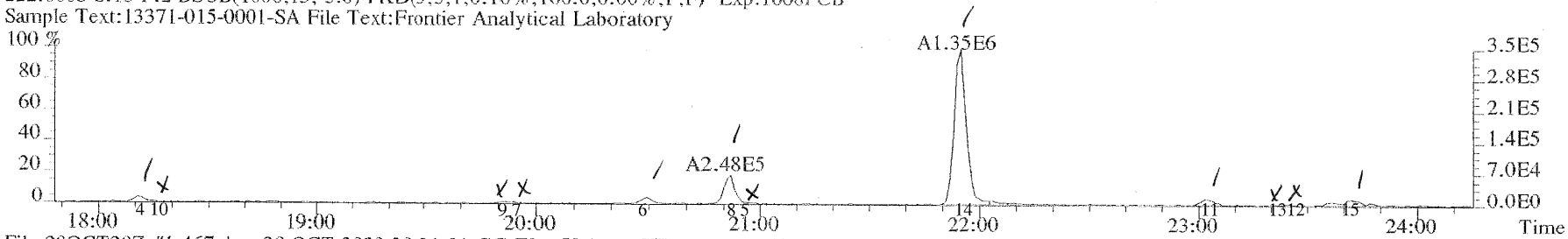
File:20OCT20Z #1-783 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



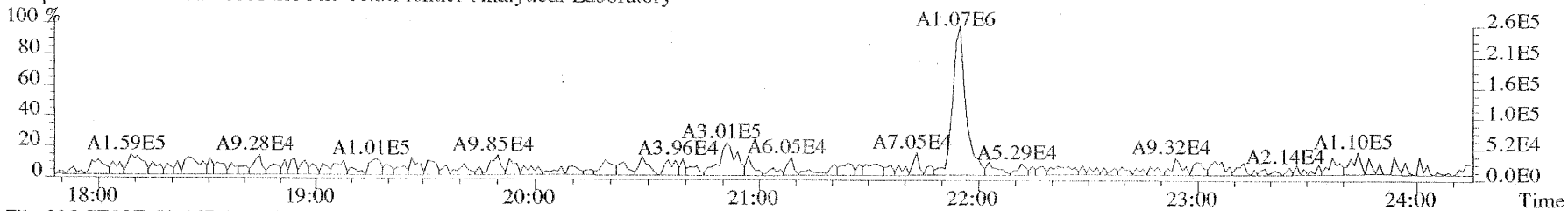
File:20OCT20Z #1-783 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



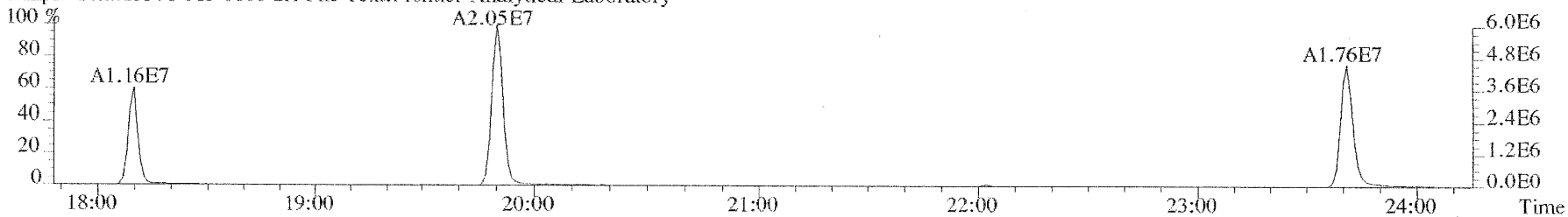
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



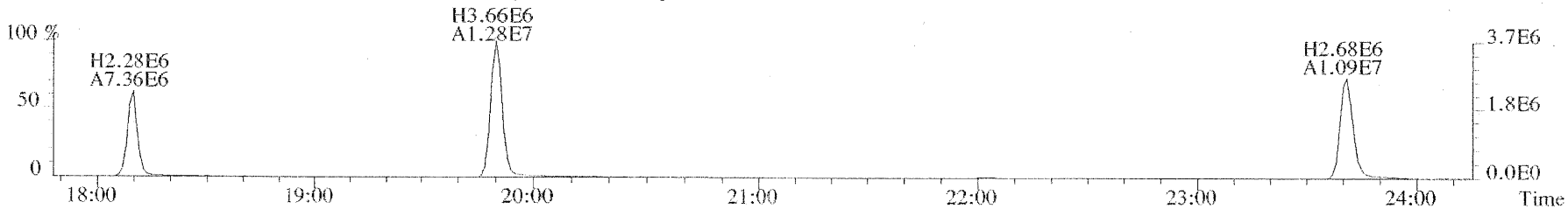
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



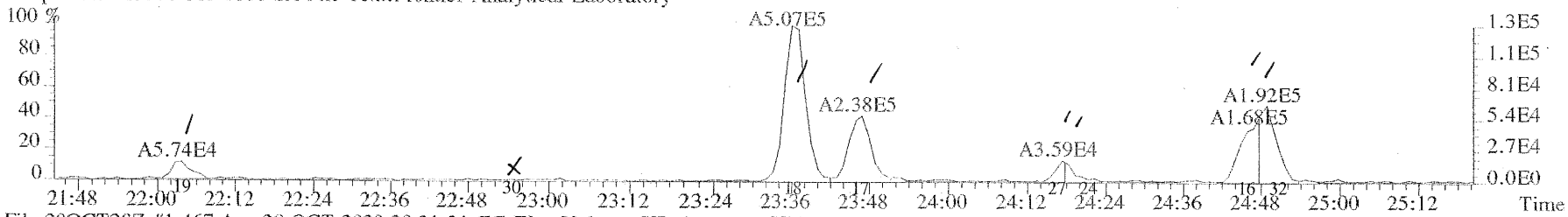
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



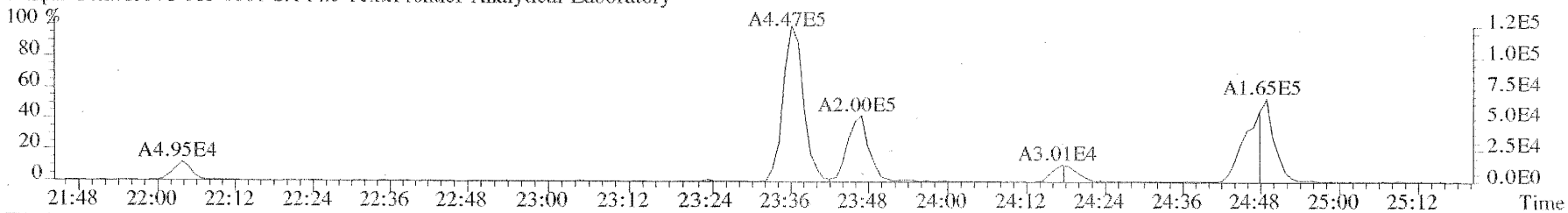
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



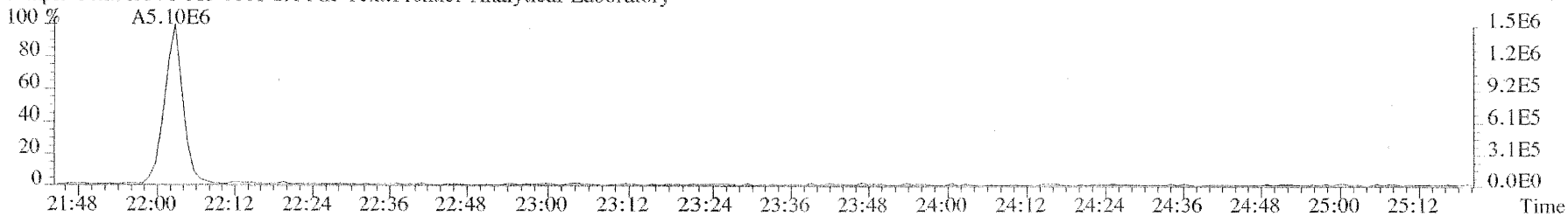
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



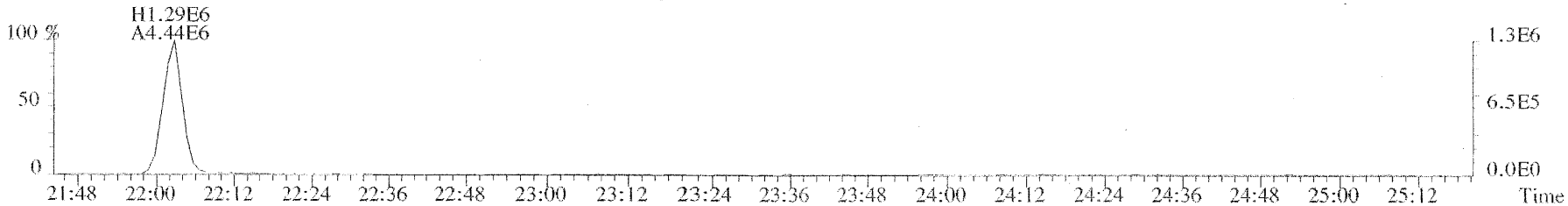
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



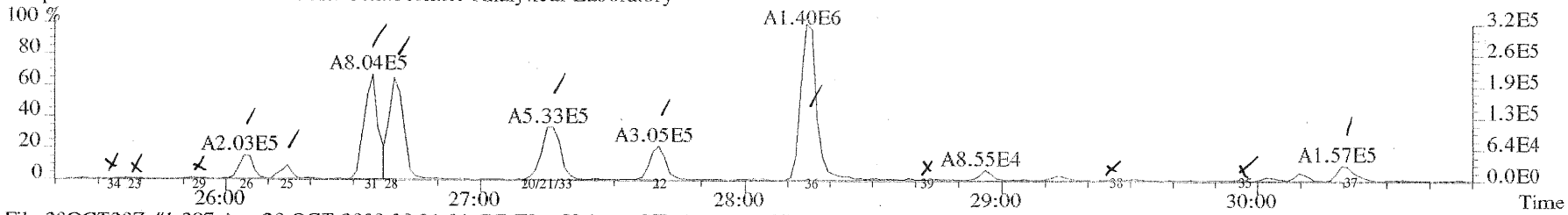
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



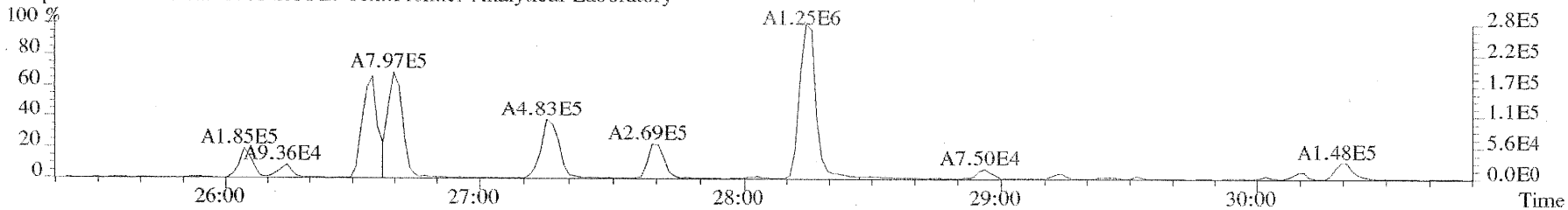
File:20OCT20Z #1-467 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



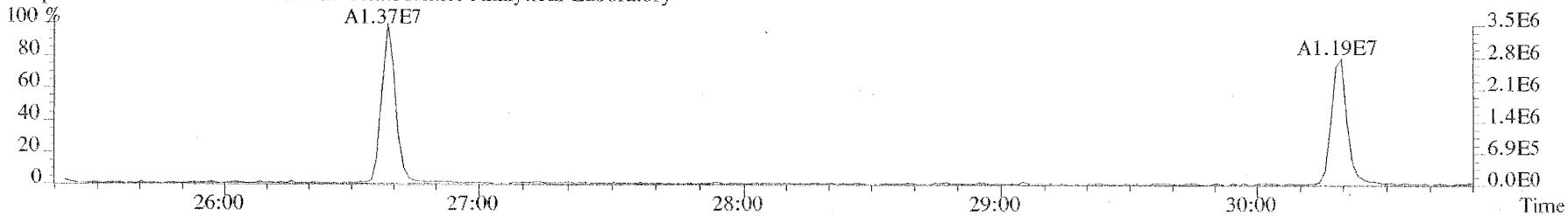
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



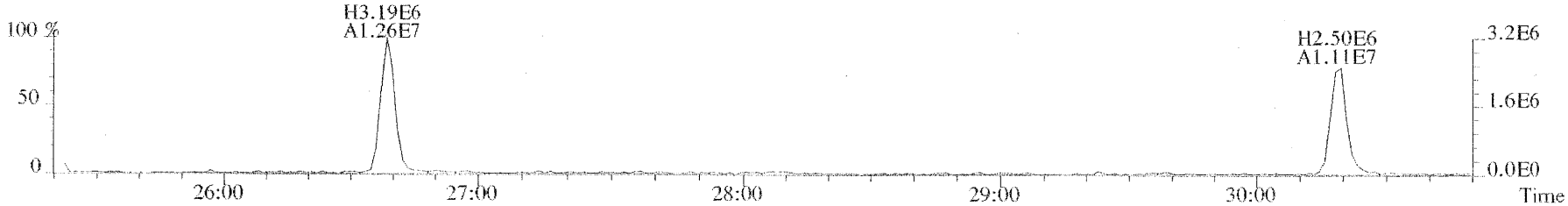
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



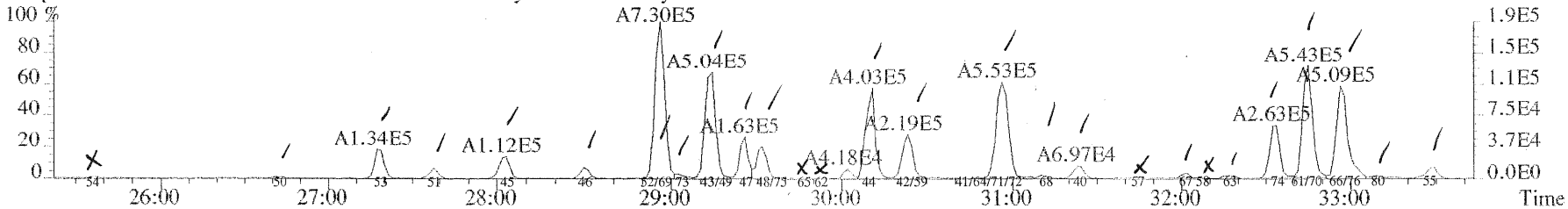
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



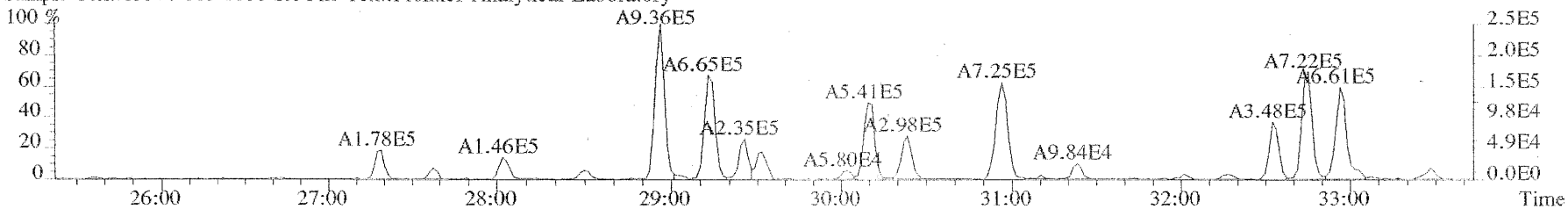
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



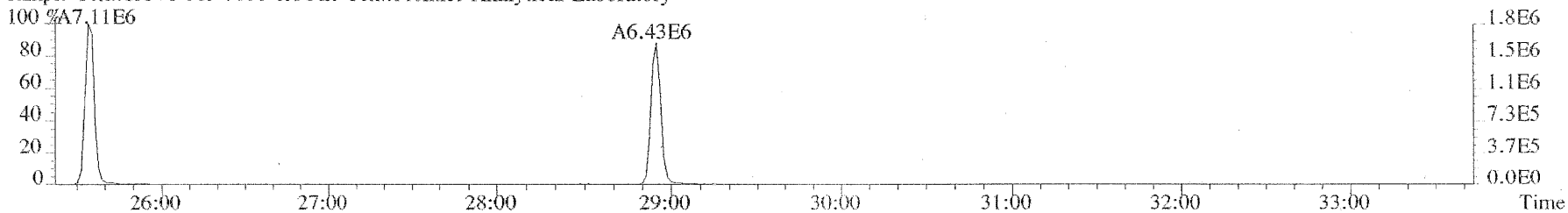
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



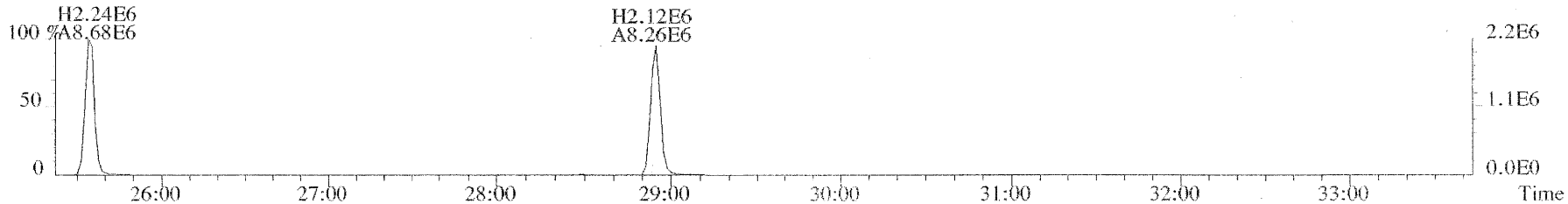
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



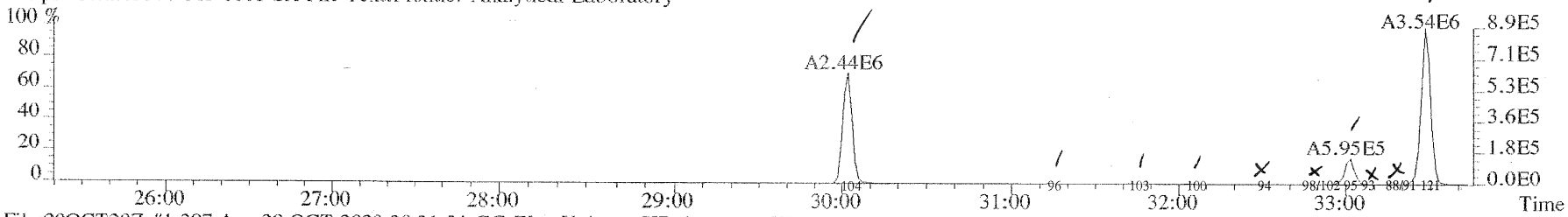
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



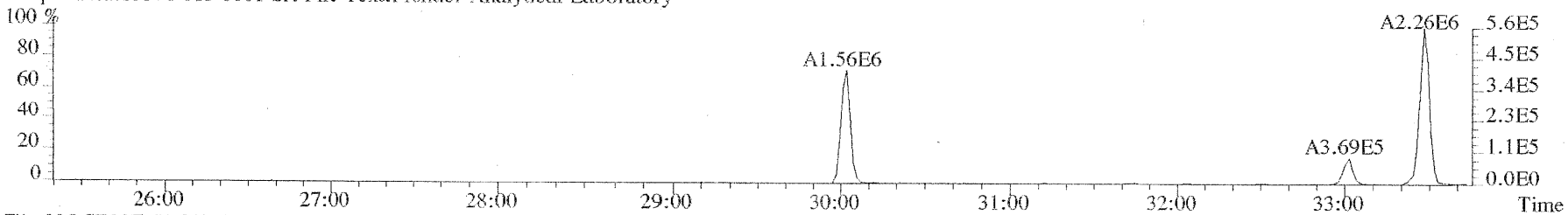
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



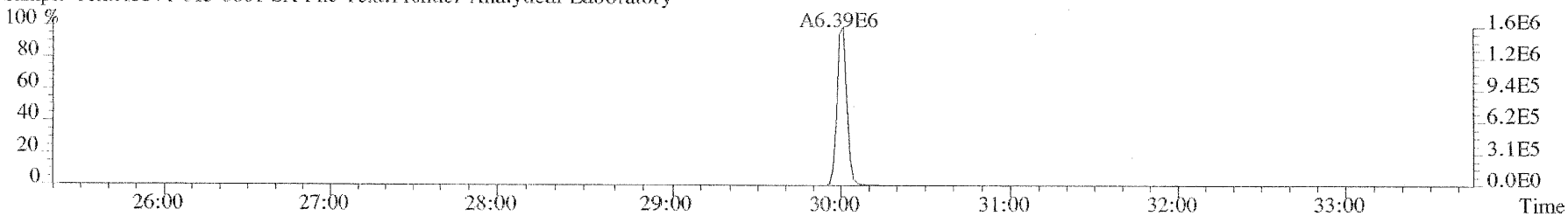
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



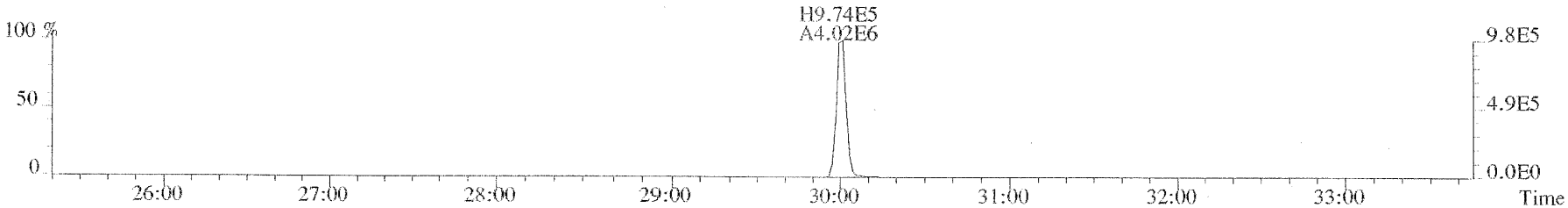
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



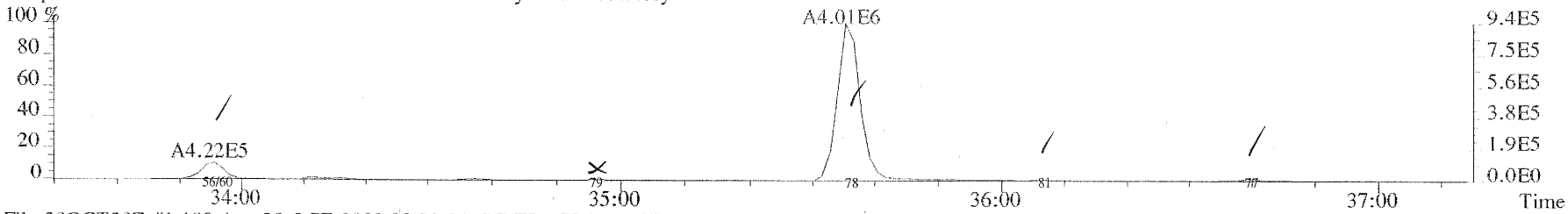
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



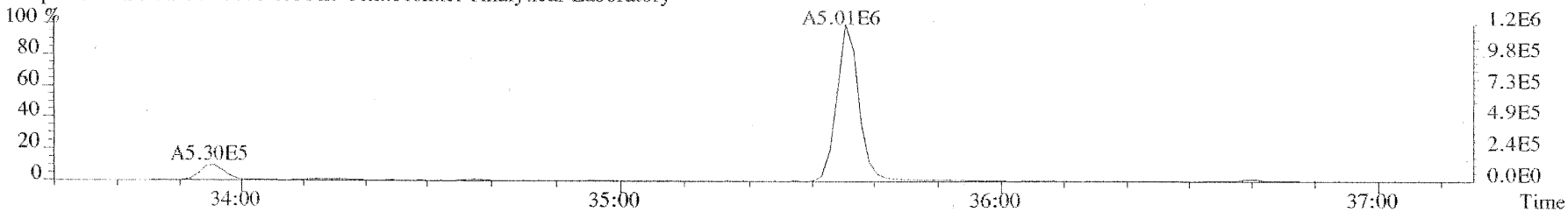
File:20OCT20Z #1-397 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



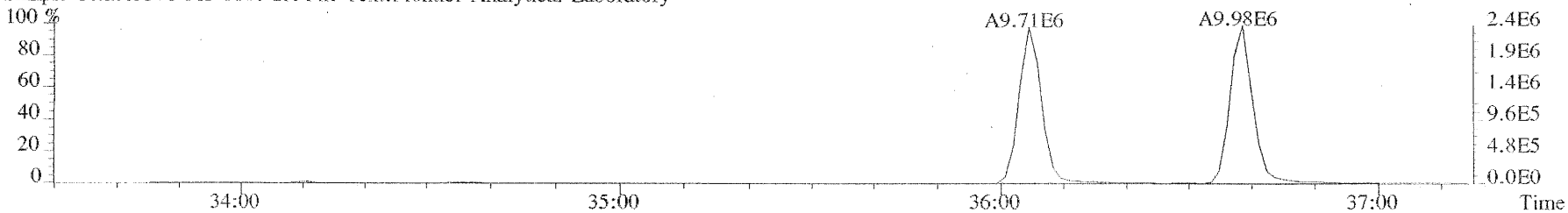
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



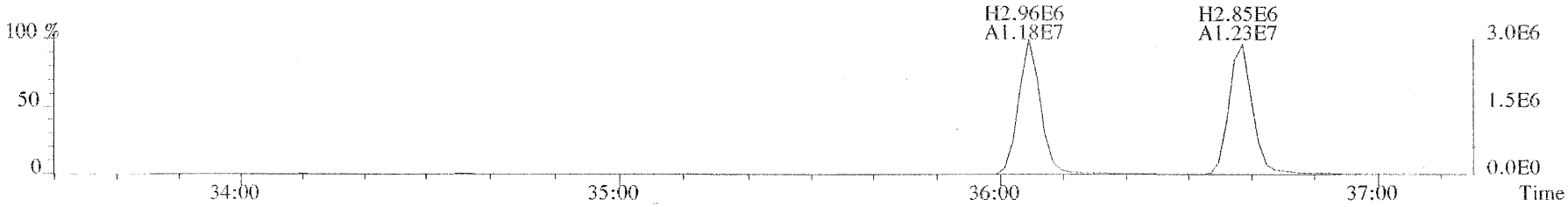
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



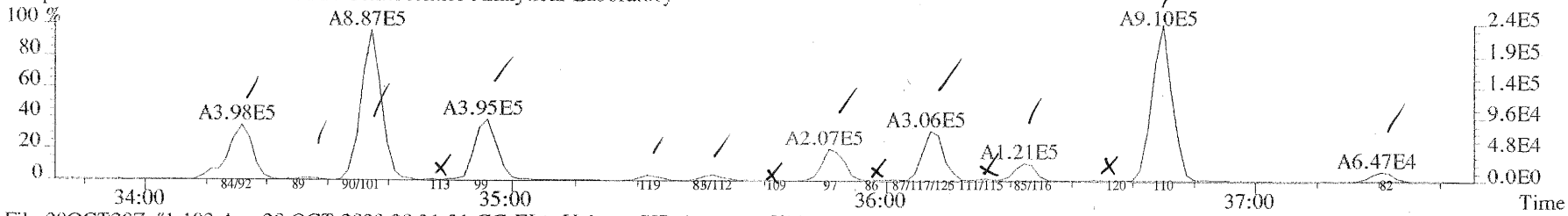
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



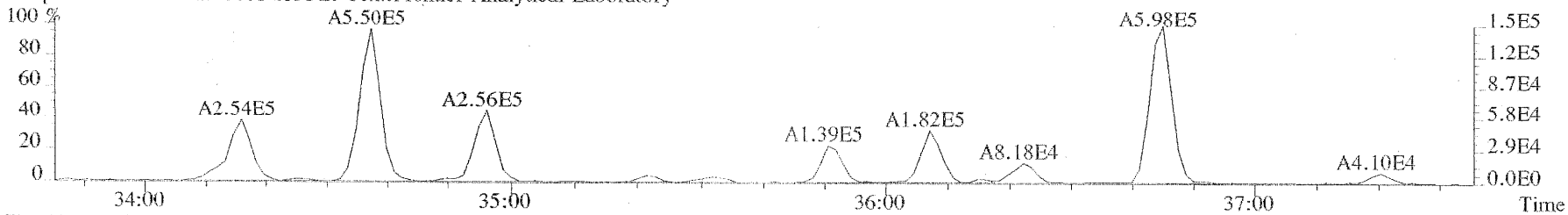
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



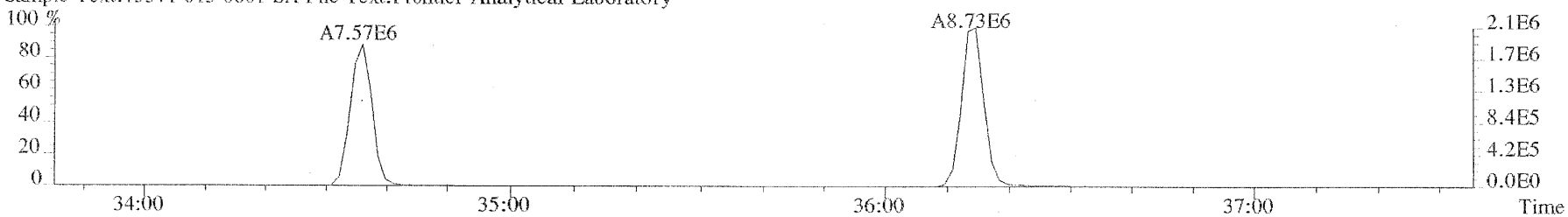
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



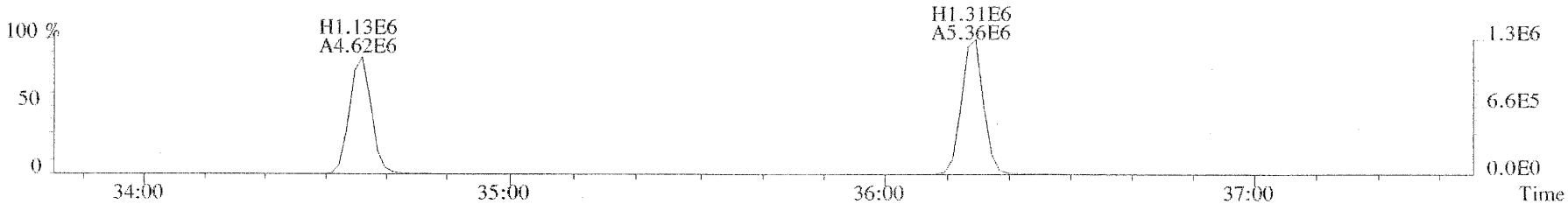
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



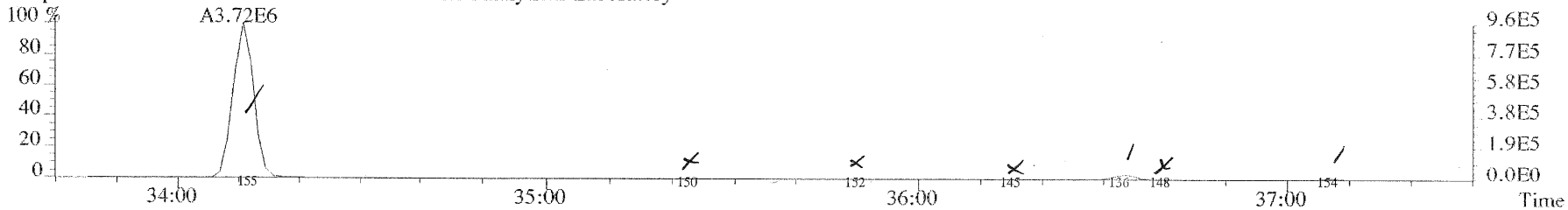
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



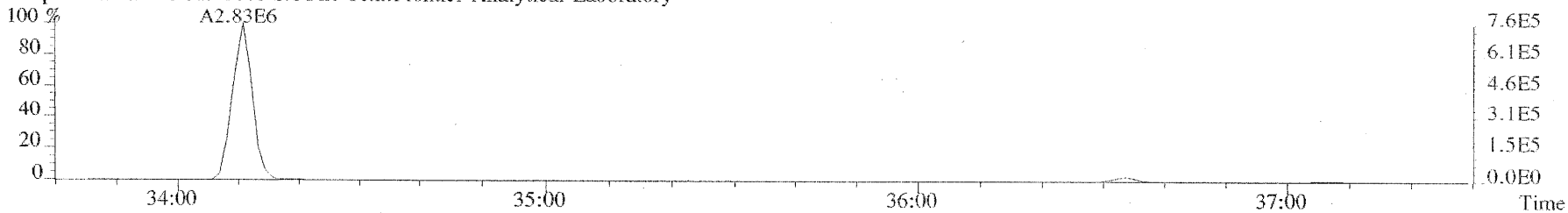
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



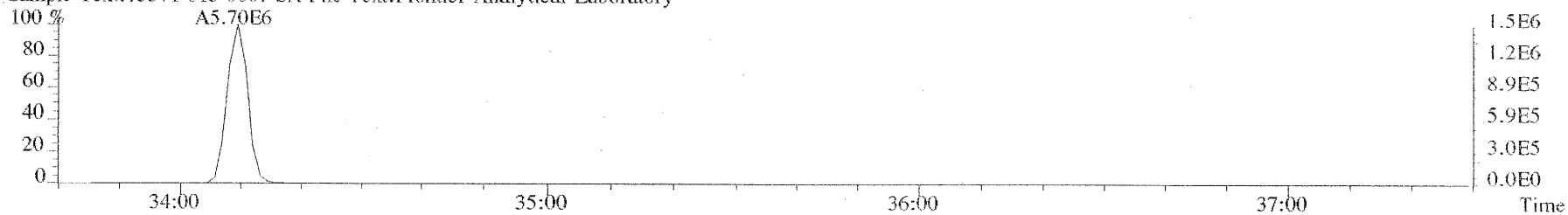
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



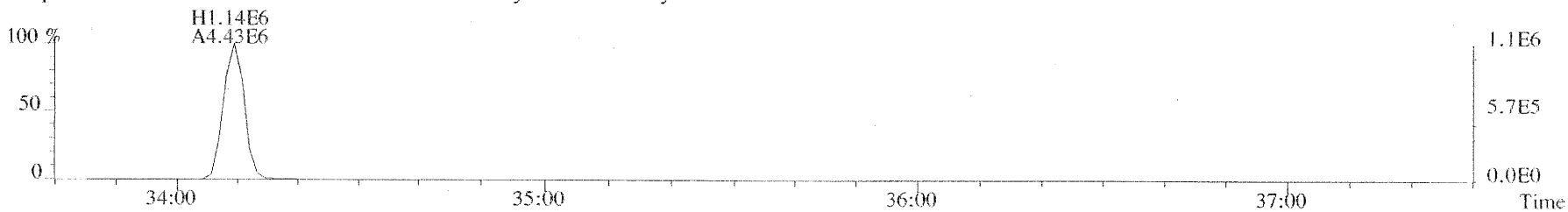
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



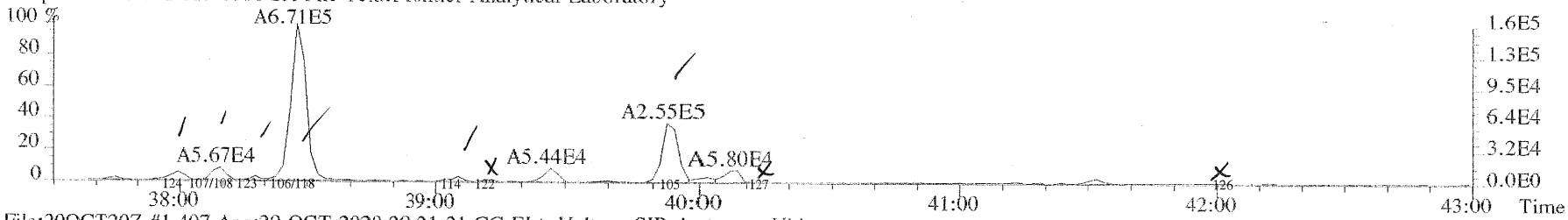
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



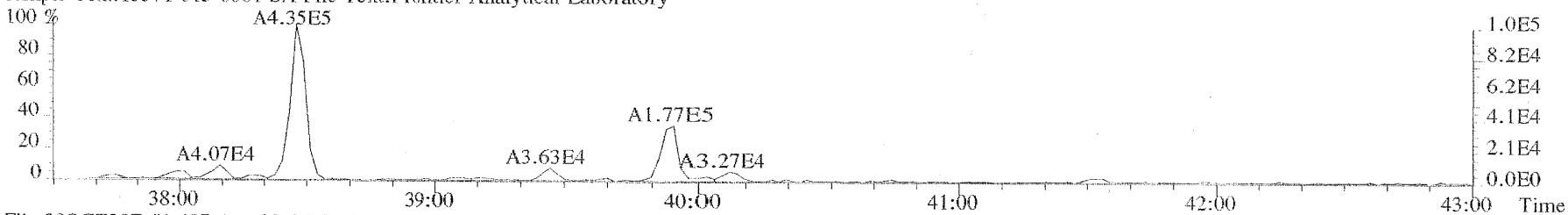
File:20OCT20Z #1-183 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



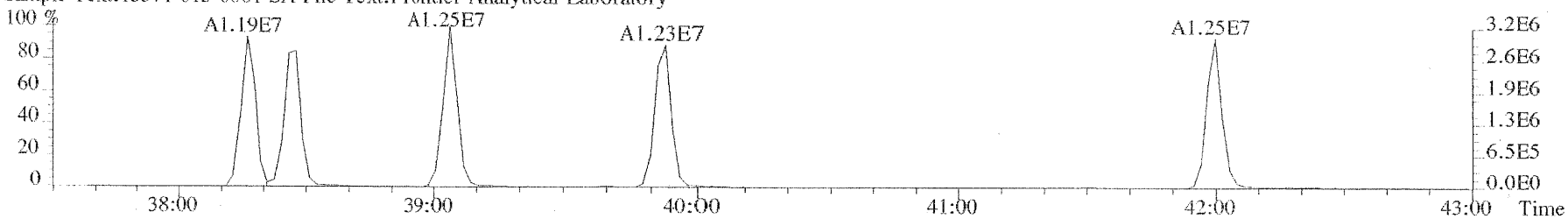
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



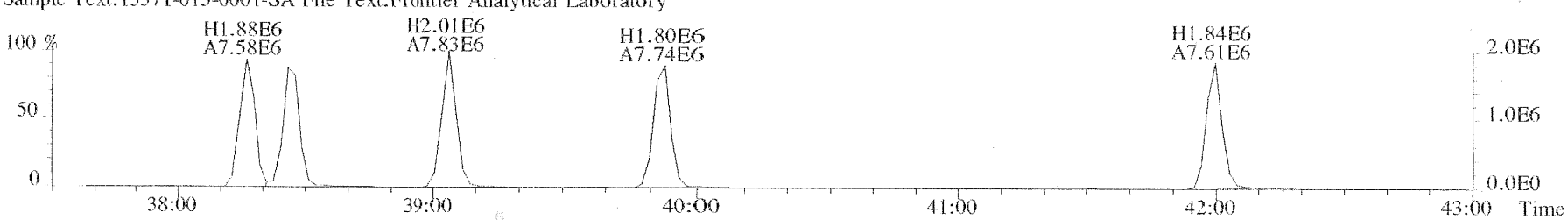
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



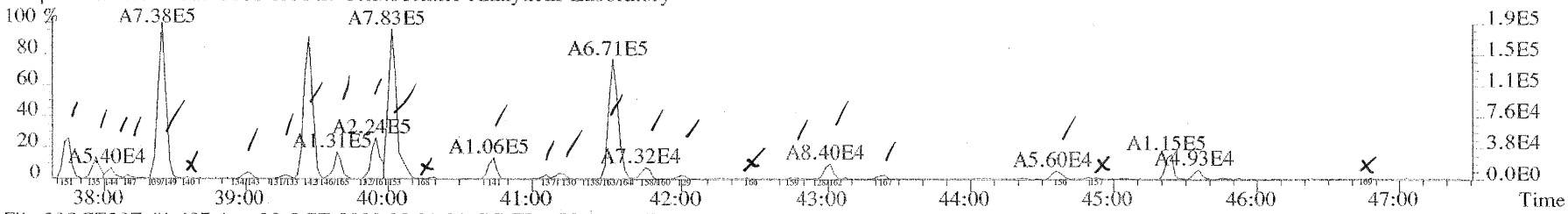
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



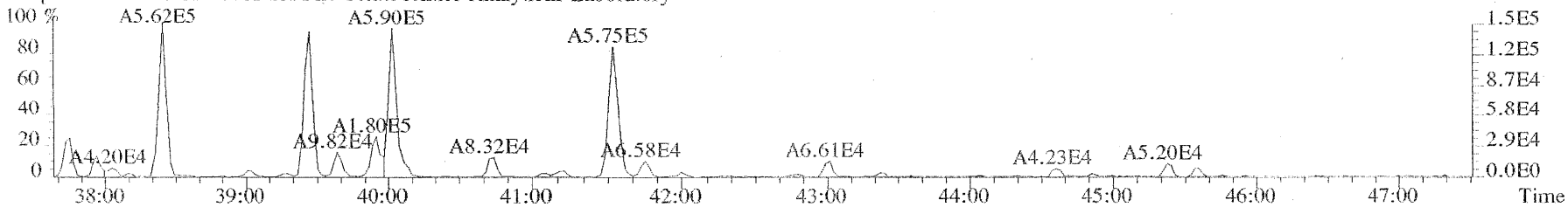
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



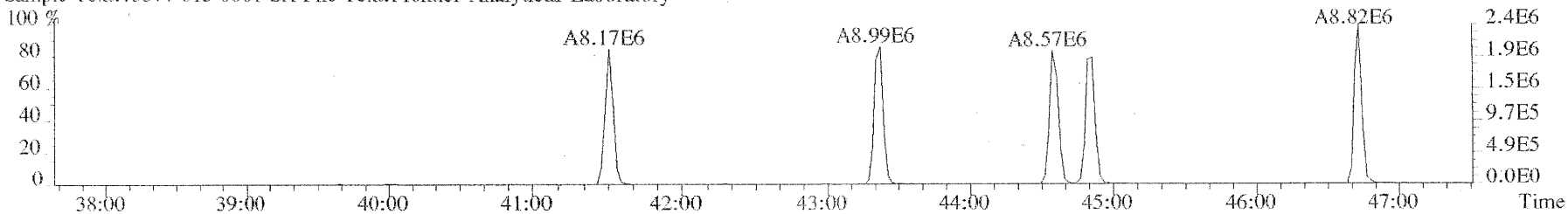
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



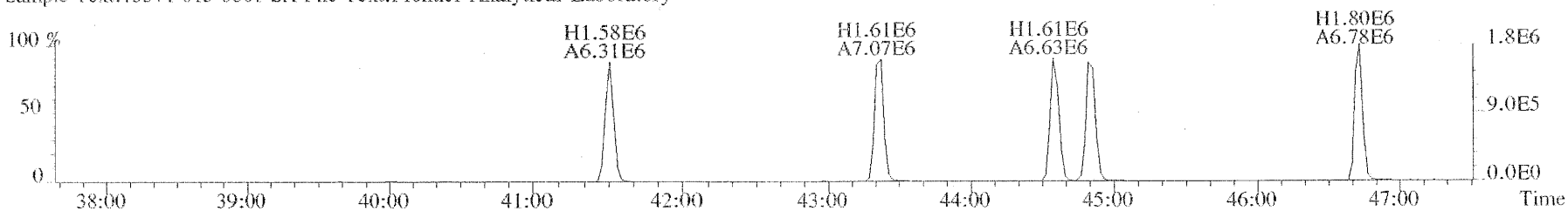
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



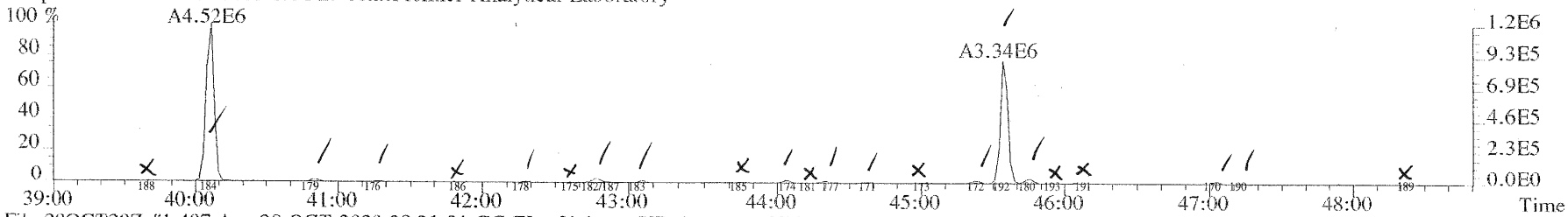
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



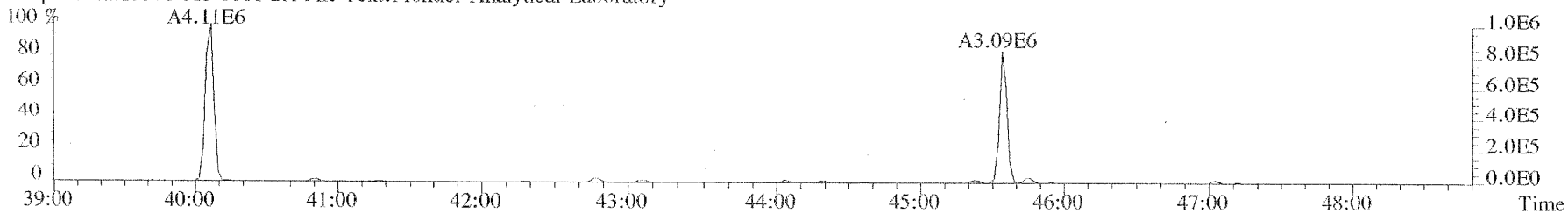
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



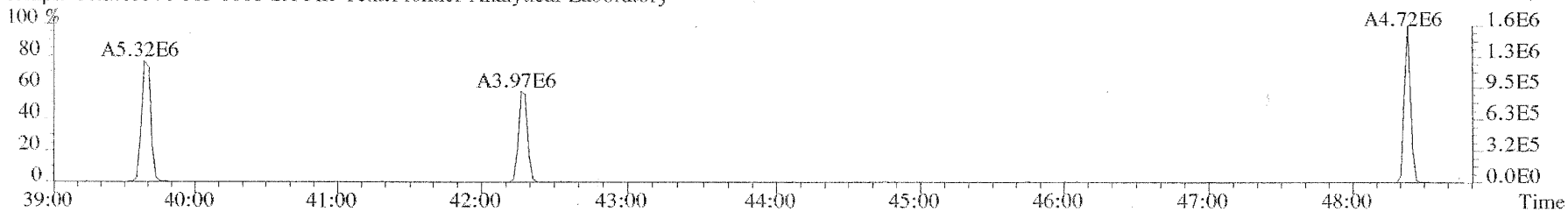
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



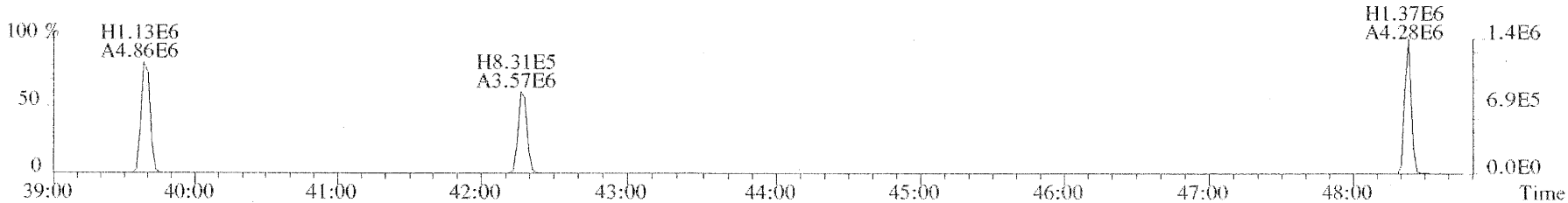
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



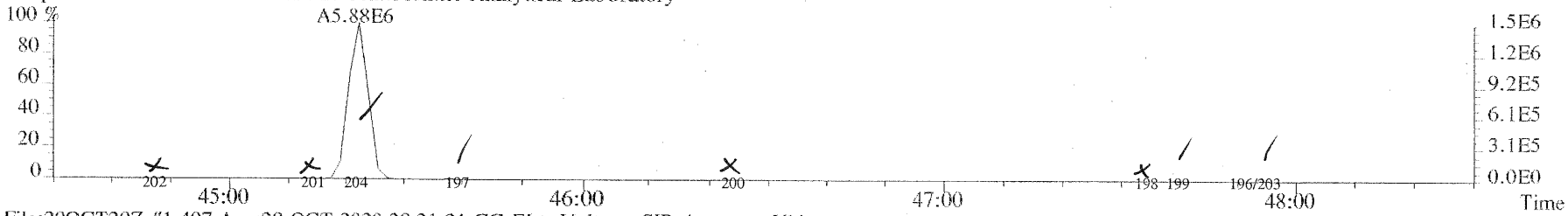
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



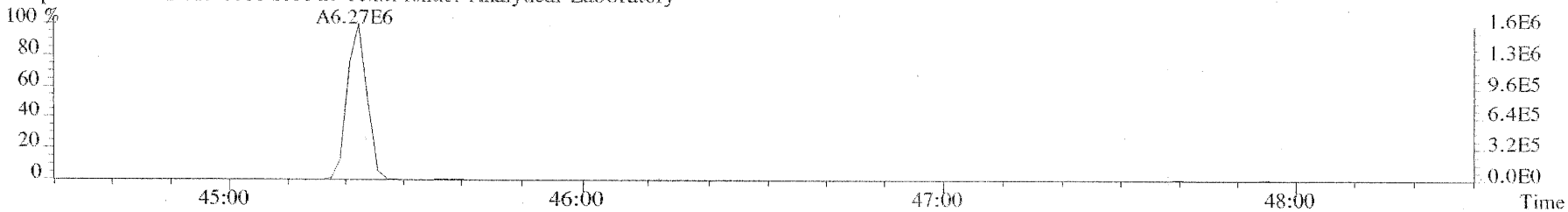
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



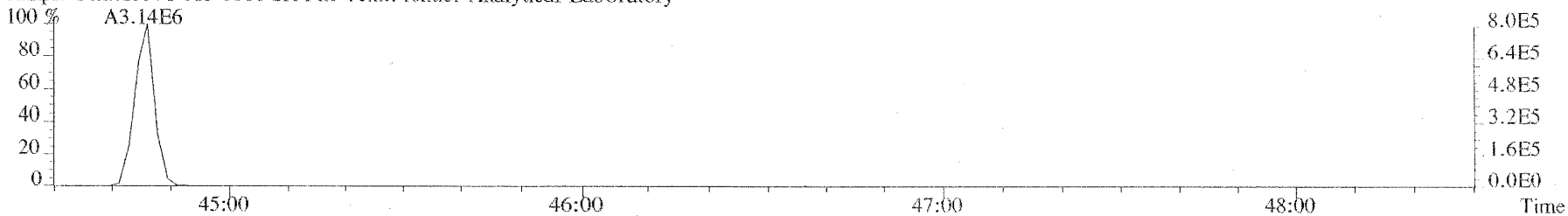
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



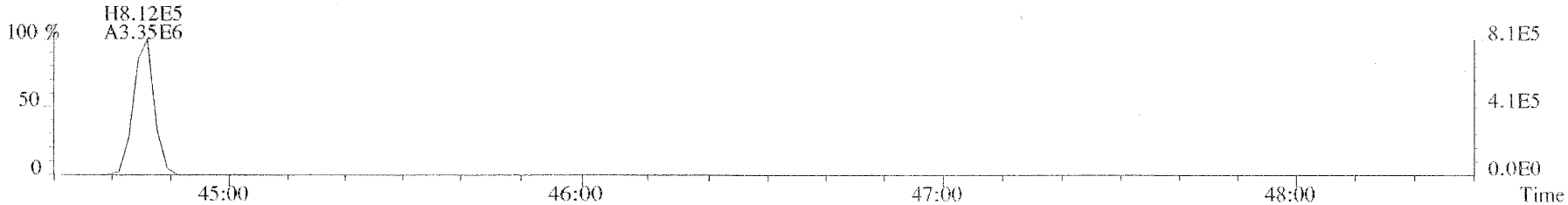
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



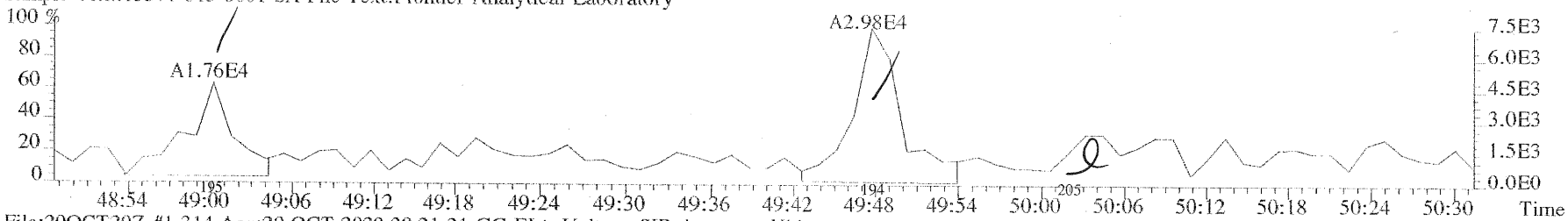
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



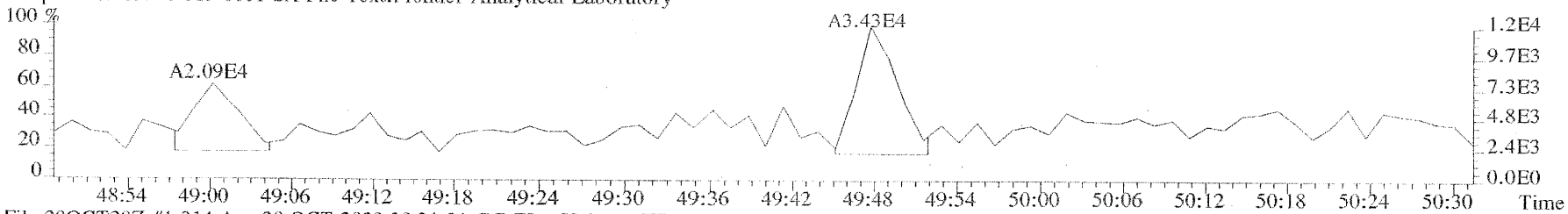
File:20OCT20Z #1-407 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



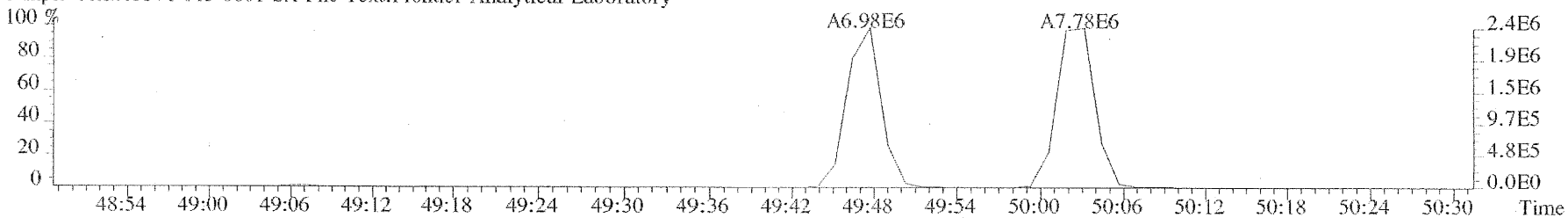
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



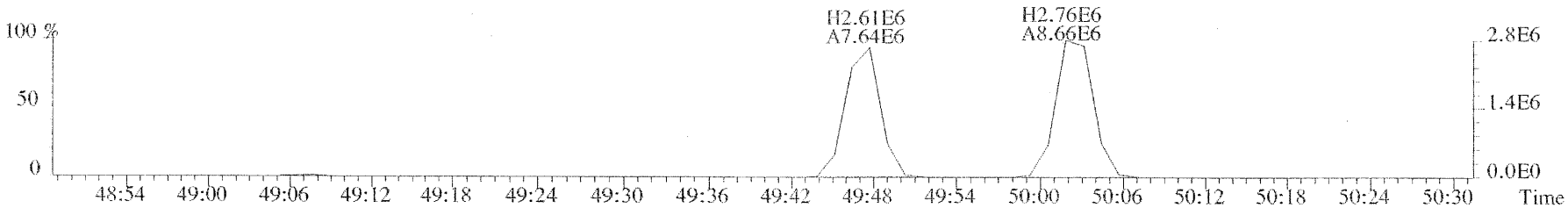
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



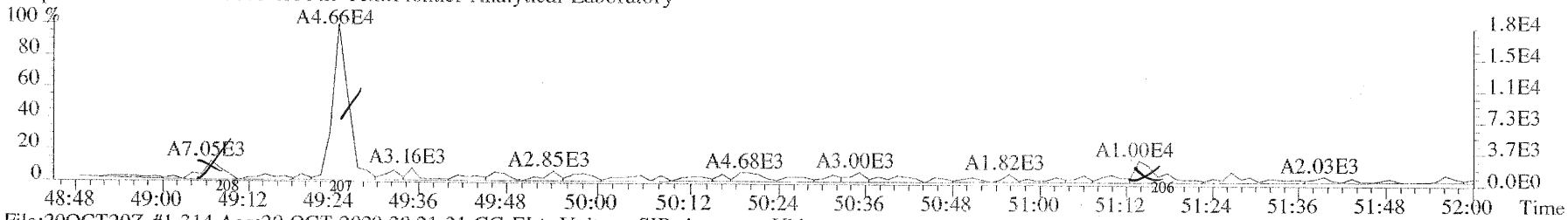
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



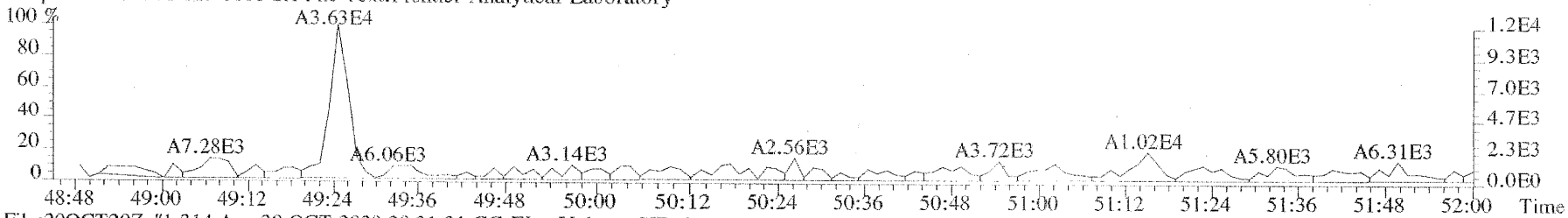
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



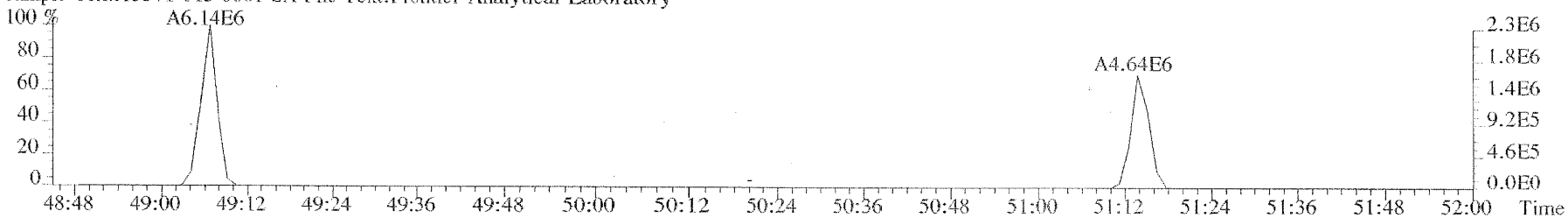
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



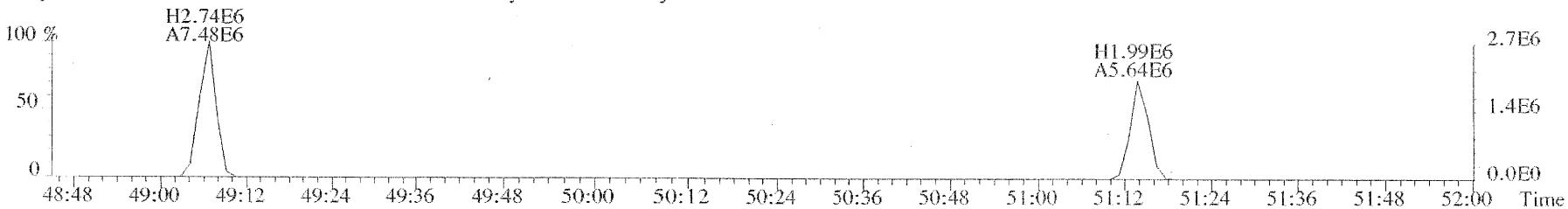
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



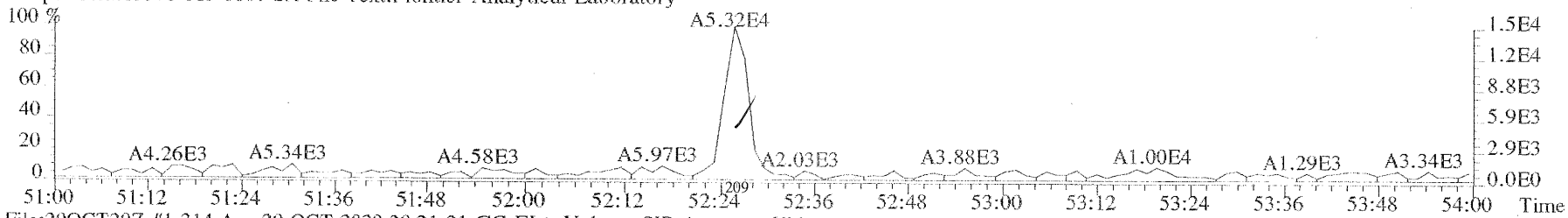
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



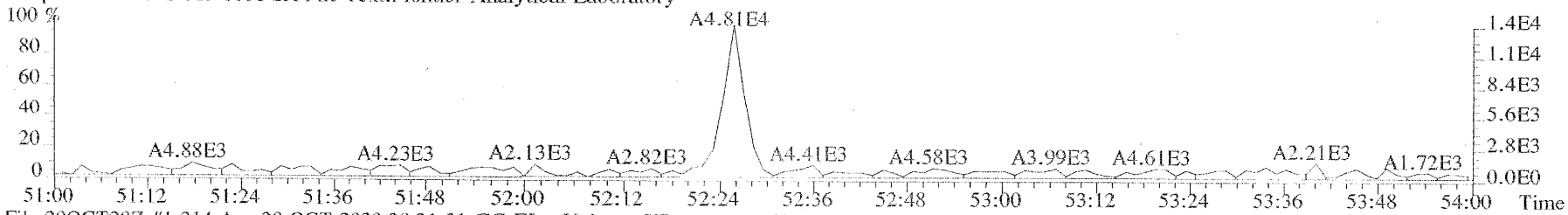
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



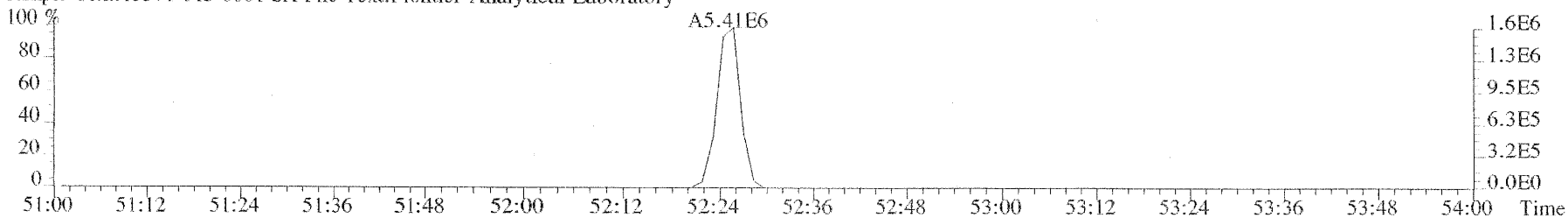
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



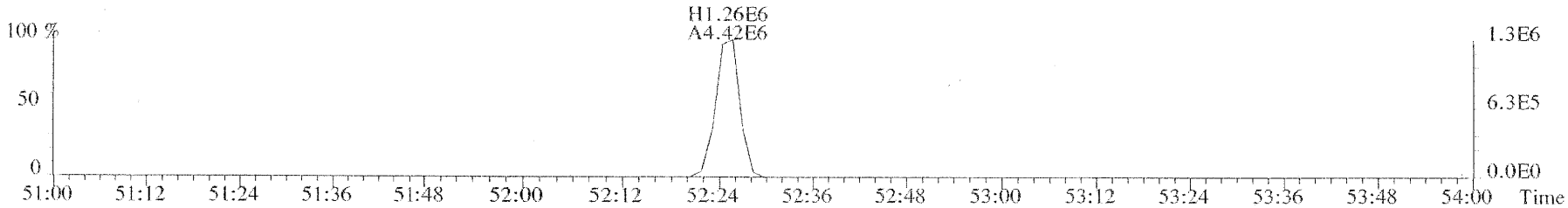
File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



File:20OCT20Z #1-314 Acq:20-OCT-2020 20:21:21 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-015-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-016-0001-SA Filename: 26OCT20Z Sam:4 Acquired: 26-OCT-20 12:55:08 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SC-ENR+AC-CB-S010-LONG ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.30	*		2530	1700	7.28			
13C-PCB-1	3.28e+07	3.25 y	14:34	0.83	7980					79.8	8.54e+06	2.64e+06
PCB-2	*	* n	NotFnd	1.33	*		2530	1700	7.58			
PCB-3	*	* n	NotFnd	1.34	*		2530	1700	8.03			
13C-PCB-3	3.29e+07	3.31 y	16:59	0.80	8240					82.4	7.56e+06	2.26e+06
PCB-4	8.23e+04	1.50 y	18:16	1.01	30.5		-	-	*			
PCB-10	*	* n	NotFnd	1.43	*		654	5230	11.8			
13C-PCB-4	2.68e+07	1.58 y	18:14	0.64	8470					84.7	4.62e+06	2.93e+06
PCB-9	*	* n	NotFnd	1.34	*		654	5230	12.7			
PCB-7	*	* n	NotFnd	1.40	*		654	5230	12.1			
PCB-6	1.28e+05	1.53 y	20:34	1.35	26.4		-	-	*			
PCB-8	4.82e+05	1.51 y	20:56	1.33	101		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		654	5230	12.5			
PCB-14	3.52e+06	1.40 y	22:00	1.37	713		-	-	*			
PCB-11	2.92e+05	1.45 y	23:07	1.34	60.7		-	-	*			
PCB-13	*	* n	NotFnd	1.39	*		654	5230	12.2			
PCB-12	*	* n	NotFnd	1.30	*		654	5230	13.1			
PCB-15	2.68e+05	1.55 y	23:49	1.24	47.7		-	-	*			
13C-PCB-15	4.53e+07	1.61 y	23:47	1.02	8890					88.9	5.96e+06	3.62e+06
PCB-19	1.04e+05	1.12 y	22:09	1.31	50.3		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2080	632	9.16			
PCB-18	1.01e+06	1.10 y	23:42	1.36	471		-	-	*			
PCB-17	4.83e+05	1.07 y	23:53	1.48	206		-	-	*			
PCB-27	7.14e+04	1.09 y	24:22	1.93	23.5		-	-	*			
PCB-24	9.15e+04	1.15 y	24:23	1.97	29.4		-	-	*			
PCB-16	3.84e+05	1.08 y	24:53	1.66	147		-	-	*			
PCB-32	3.89e+05	1.13 y	24:54	1.65	150		-	-	*			
13C-PCB-19	1.58e+07	1.13 y	22:08	0.40	7930					79.3	1.98e+06	1.73e+06
13C-PCB-9	4.97e+07	1.61 y	19:55	-	91.8							
PCB-34	*	* n	NotFnd	1.16	*		1350	1230	7.33			
PCB-23	*	* n	NotFnd	1.15	*		1350	1230	7.39			
PCB-29	*	* n	NotFnd	1.19	*		1350	1230	7.09			
PCB-26	5.02e+05	1.13 y	26:10	1.17	112		-	-	*			
PCB-25	2.97e+05	1.10 y	26:19	1.14	67.7		-	-	*			
PCB-31	2.17e+06	1.05 y	26:41	1.18	478		-	-	*			
PCB-28	2.35e+06	1.07 y	26:46	1.34	454		-	-	*			
PCB-20	1.31e+06	0.98 y	27:23	1.12	305		-	-	*		Co-elute PCB 21/33	
PCB-21	1.31e+06	0.98 y	27:23	1.12	305		-	-	*		Co-elute PCB 20/33	
PCB-33	1.31e+06	0.98 y	27:23	1.12	305		-	-	*		Co-elute PCB 20/21	
PCB-22	8.16e+05	0.96 y	27:47	1.22	175		-	-	*			
PCB-36	5.01e+06	1.02 y	28:22	1.17	1120		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1350	1230	6.94			
PCB-38	*	* n	NotFnd	1.28	*		1350	1230	6.61			
PCB-35	*	* n	NotFnd	1.22	*		1350	1230	6.96			
PCB-37	4.83e+05	1.11 y	30:27	1.20	104		-	-	*			
13C-PCB-37	3.85e+07	1.07 y	30:26	1.83	10300					103	3.90e+06	3.71e+06

PCB-54	*	*	n	NotFnd	1.30	*		930	1210	9.00			
PCB-50	3.95e+04	0.73	y	26:48	1.04	19.3	J	-	-	*			
PCB-53	3.82e+05	0.78	y	27:25	1.02	190		-	-	*			
PCB-51	1.76e+05	0.71	y	27:44	1.08	82.6		-	-	*			
PCB-45	3.00e+05	0.78	y	28:08	0.91	167		-	-	*			
PCB-46	1.27e+05	0.76	y	28:36	0.89	72.6		-	-	*			
PCB-52	2.02e+06	0.80	y	29:02	1.15	886		-	-	*	Co-elute PCB 69		
PCB-69	2.02e+06	0.80	y	29:02	1.15	886		-	-	*	Co-elute PCB 52		
PCB-73	6.78e+04	0.69	y	29:10	1.28	26.8		-	-	*			
PCB-43	1.34e+06	0.82	y	29:20	1.00	679		-	-	*	Co-elute PCB 49		
PCB-49	1.34e+06	0.82	y	29:20	1.00	679		-	-	*	Co-elute PCB 43		
PCB-47	5.42e+05	0.79	y	29:31	1.03	266		-	-	*			
PCB-48	3.97e+05	0.84	y	29:38	1.34	150		-	-	*	Co-elute PCB 75		
PCB-75	3.97e+05	0.84	y	29:38	1.34	150		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		930	1210	8.59			
PCB-62	*	*	n	NotFnd	1.35	*		930	1210	8.67			
PCB-44	1.12e+06	0.81	y	30:17	0.90	630		-	-	*			
PCB-42	5.80e+05	0.77	y	30:30	1.12	261		-	-	*	Co-elute PCB 59		
PCB-59	5.80e+05	0.77	y	30:30	1.12	261		-	-	*	Co-elute PCB 42		
PCB-72	1.38e+06	0.78	y	31:04	1.26	553		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.38e+06	0.78	y	31:04	1.26	553		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.38e+06	0.78	y	31:04	1.26	553		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.38e+06	0.78	y	31:04	1.26	553		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.03e+04	0.72	y	31:19	1.47	20.8		-	-	*			
PCB-40	2.28e+05	0.70	y	31:30	0.80	145		-	-	*			
PCB-57	3.26e+04	0.72	y	31:52	1.38	11.9	J	-	-	*			
PCB-67	9.38e+04	0.72	y	32:08	1.39	34.1		-	-	*			
PCB-58	*	*	n	NotFnd	1.37	*		930	1210	8.54			
PCB-63	9.63e+04	0.79	y	32:23	1.41	34.4		-	-	*			
PCB-74	7.07e+05	0.83	y	32:40	1.38	259		-	-	*			
PCB-61	1.44e+06	0.79	y	32:52	1.26	577		-	-	*	Co-elute PCB 70		
PCB-70	1.44e+06	0.79	y	32:52	1.26	577		-	-	*	Co-elute PCB 61		
PCB-76	1.37e+06	0.81	y	33:04	1.41	489		-	-	*	Co-elute PCB 66		
PCB-66	1.37e+06	0.81	y	33:04	1.41	489		-	-	*	Co-elute PCB 76		
PCB-80	5.37e+04	0.81	y	33:16	1.56	17.4	J	-	-	*			
PCB-55	1.67e+05	0.72	y	33:37	1.33	63.6		-	-	*			
13C-PCB-54	1.98e+07	0.83	y	25:40	1.12	8620					86.2	2.06e+06	2.51e+06
PCB-104	5.47e+06	1.60	y	30:08	1.20	3600		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		468	400	7.10			
PCB-103	3.61e+04	1.75	y	31:52	0.99	28.8		-	-	*			
PCB-100	3.24e+04	1.54	y	32:12	0.97	26.3		-	-	*			
PCB-94	*	*	n	NotFnd	0.82	*		468	400	10.0			
PCB-98	*	*	n	NotFnd	0.81	*		468	400	10.1	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		468	400	10.1	Co-elute PCB 98		
PCB-95	1.03e+06	1.58	y	33:09	0.88	923		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		468	400	9.56			
PCB-88	*	*	n	NotFnd	0.86	*		468	400	9.46	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		468	400	9.46	Co-elute PCB 88		
PCB-121	8.28e+06	1.55	y	33:37	1.17	5580		-	-	*			
13C-PCB-104	1.27e+07	1.59	y	30:07	0.79	7810					78.1	1.65e+06	1.01e+06
13C-PCB-28	4.16e+07	1.08	y	26:45	2.03	10000					100	4.51e+06	4.23e+06
13C-PCB-52	2.04e+07	0.82	y	29:01	-	79.4							

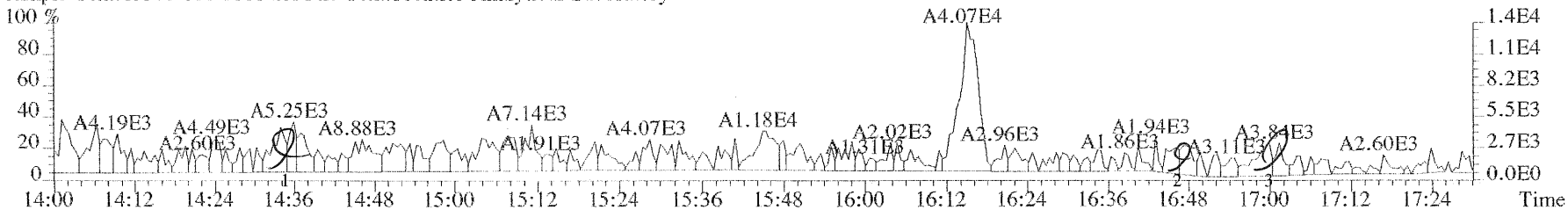
PCB-56	1.07e+06	0.81	y	34:03	1.15	306		-	-	*			Co-elute PCB 60
PCB-60	1.07e+06	0.81	y	34:03	1.15	306		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		900	1110	7.31			
PCB-78	1.70e+07	0.80	y	35:44	1.20	4640		-	-	*			
PCB-81	5.82e+04	0.72	y	36:16	1.29	15.0	J	-	-	*			
13C-PCB-81	3.00e+07	0.80	y	36:13	1.82	9810					98.1	2.42e+06	3.05e+06
PCB-77	1.45e+05	0.78	y	36:49	1.13	41.4		-	-	*			
13C-PCB-77	3.10e+07	0.81	y	36:47	1.87	9890					98.9	2.48e+06	3.06e+06
PCB-155	9.97e+06	1.27	y	34:18	1.12	6740		-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*		580	432	8.35			
PCB-152	*	*	n	NotFnd	1.06	*		580	432	8.68			
PCB-145	*	*	n	NotFnd	1.07	*		580	432	8.59			
PCB-136	2.42e+05	1.24	y	36:42	1.08	169		-	-	*			
PCB-148	*	*	n	NotFnd	0.76	*		580	432	12.1			
PCB-154	4.73e+04	1.16	y	37:15	0.93	38.5		-	-	*			
13C-PCB-155	1.32e+07	1.31	y	34:17	1.04	7610					76.1	1.54e+06	1.21e+06
13C-PCB-111	1.79e+07	1.61	y	36:23	1.29	8300					83.0	2.05e+06	1.25e+06
13C-PCB-101	1.68e+07	1.62	y	34:43	-	78.4							
PCB-84	7.54e+05	1.69	y	34:23	0.66	414		-	-	*			Co-elute PCB 92
PCB-92	7.54e+05	1.69	y	34:23	0.66	414		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.67	*		976	990	14.6			
PCB-90	1.63e+06	1.60	y	34:45	0.75	797		-	-	*			Co-elute PCB 101
PCB-101	1.63e+06	1.60	y	34:45	0.75	797		-	-	*			Co-elute PCB 90
PCB-113	7.19e+05	1.69	y	35:04	0.87	301		976	990	11.3			
PCB-99	7.19e+05	1.69	y	35:04	0.83	318		-	-	*			
PCB-119	4.93e+04	1.34	y	35:30	0.99	18.3	J	-	-	*			
PCB-83	7.47e+04	1.33	y	35:39	0.78	34.8		-	-	*			Co-elute PCB 112
PCB-112	7.47e+04	1.33	y	35:39	0.78	34.8		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		976	990	10.6			
PCB-97	3.80e+05	1.54	y	35:59	0.64	217		-	-	*			
PCB-86	*	*	n	NotFnd	0.56	*		976	990	17.6			
PCB-125	5.46e+05	1.64	y	36:16	0.89	223		-	-	*			Co-elute PCB 87/117
PCB-87	5.46e+05	1.64	y	36:16	0.89	223		-	-	*			Co-elute PCB 125/117
PCB-117	5.46e+05	1.64	y	36:16	0.89	223		-	-	*			Co-elute PCB 125/87
PCB-111	4.00e+04	1.46	y	36:26	0.95	15.3	J	-	-	*			Co-elute PCB 115
PCB-115	4.00e+04	1.46	y	36:26	0.95	15.3	J	-	-	*			Co-elute PCB 111
PCB-85	2.07e+05	1.58	y	36:31	0.84	89.4		-	-	*			Co-elute PCB 116
PCB-116	2.07e+05	1.58	y	36:31	0.84	89.4		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		976	990	9.81			
PCB-110	1.63e+06	1.56	y	36:54	0.94	634		-	-	*			
PCB-82	1.33e+05	1.44	y	37:29	0.57	85.5		-	-	*			
PCB-124	9.00e+04	1.50	y	38:09	1.21	27.1		-	-	*			
PCB-108	1.42e+05	1.63	y	38:19	1.16	44.6		-	-	*			Co-elute PCB 107
PCB-107	1.42e+05	1.63	y	38:19	1.16	44.6		-	-	*			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.11	*		1070	820	8.33			
13C-PCB-123	2.70e+07	1.60	y	38:26	1.40	10800					108	3.14e+06	1.97e+06
PCB-118	1.44e+06	1.60	y	38:37	1.14	446		-	-	*			Co-elute PCB 106
PCB-106	1.44e+06	1.60	y	38:37	1.14	446		-	-	*			Co-elute PCB 118
13C-PCB-118	2.82e+07	1.58	y	38:37	1.51	10500					105	3.05e+06	1.90e+06
PCB-114	*	*	n	NotFnd	1.24	*		1070	820	7.75			
13C-PCB-114	2.76e+07	1.59	y	39:13	1.49	10400					104	3.00e+06	1.90e+06
PCB-122	*	*	n	NotFnd	1.16	*		1070	820	8.21			
PCB-105	5.33e+05	1.38	y	40:05	1.22	163		-	-	*			
13C-PCB-105	2.68e+07	1.59	y	40:03	1.49	10100					101	3.07e+06	1.91e+06

PCB-127	*	*	n	NotFnd	1.17	*		1070	820	8.14			
PCB-126	*	*	n	NotFnd	1.19	*		1070	820	8.04			
13C-PCB-126	2.69e+07	1.60	y	42:11	1.42	10600					106	3.01e+06	1.91e+06
PCB-151	4.06e+05	1.09	y	37:53	0.93	236		-	-	*			
PCB-135	2.15e+05	1.23	y	38:06	0.95	122		-	-	*			
PCB-144	7.90e+04	1.32	y	38:11	0.93	45.9		-	-	*			
PCB-147	4.25e+04	1.28	y	38:19	0.96	23.8		-	-	*			
PCB-139	1.44e+06	1.21	y	38:34	0.98	792		-	-	*		Co-elute PCB 149	
PCB-149	1.44e+06	1.21	y	38:34	0.98	792		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.97	*		1060	830	12.7			
PCB-143	9.20e+04	1.36	y	39:10	0.81	61.4		-	-	*		Co-elute PCB 134	
PCB-134	9.20e+04	1.36	y	39:10	0.81	61.4		-	-	*		Co-elute PCB 143	
PCB-131	4.01e+04	1.20	y	39:25	0.83	26.1		-	-	*		Co-elute PCB 133	
PCB-133	4.01e+04	1.20	y	39:25	0.83	26.1		-	-	*		Co-elute PCB 131	
PCB-142	1.87e+06	1.29	y	39:37	0.83	1220		-	-	*			
PCB-165	2.43e+05	1.13	y	39:50	1.12	117		-	-	*		Co-elute PCB 146	
PCB-146	2.43e+05	1.13	y	39:50	1.12	117		-	-	*		Co-elute PCB 165	
PCB-161	3.93e+05	1.27	y	40:05	1.04	203		-	-	*		Co-elute PCB 132	
PCB-132	3.93e+05	1.27	y	40:05	1.04	203		-	-	*		Co-elute PCB 161	
PCB-153	1.61e+06	1.25	y	40:13	1.08	805		-	-	*			
PCB-168	*	*	n	NotFnd	1.19	*		1060	830	10.3			
PCB-141	2.27e+05	1.32	y	40:56	0.94	130		-	-	*			
PCB-137	4.88e+04	1.42	y	41:15	0.98	26.8		-	-	*			
PCB-130	6.98e+04	1.33	y	41:22	0.76	49.6		-	-	*			
PCB-138	1.36e+06	1.26	y	41:43	1.11	661		-	-	*		Co-elute PCB 163/164	
PCB-163	1.36e+06	1.26	y	41:43	1.11	661		-	-	*		Co-elute PCB 138/164	
PCB-164	1.36e+06	1.26	y	41:43	1.11	661		-	-	*		Co-elute PCB 138/163	
PCB-158	1.50e+05	1.17	y	41:56	1.25	64.4		-	-	*		Co-elute PCB 160	
PCB-160	1.50e+05	1.17	y	41:56	1.25	64.4		-	-	*		Co-elute PCB 158	
PCB-129	5.07e+04	1.37	y	42:11	0.78	34.8		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		1060	830	10.1			
PCB-159	3.30e+04	1.16	y	42:57	1.31	13.6	J	-	-	*			
PCB-128	1.64e+05	1.33	y	43:14	1.04	85.0		-	-	*		Co-elute PCB 162	
PCB-162	1.64e+05	1.33	y	43:14	1.04	85.0		-	-	*		Co-elute PCB 128	
PCB-167	8.21e+04	1.08	y	43:35	1.20	36.1		-	-	*			
13C-PCB-167	1.89e+07	1.30	y	43:35	1.18	9060					90.6	2.01e+06	1.56e+06
PCB-156	1.23e+05	1.25	y	44:48	1.29	51.0		-	-	*			
13C-PCB-156	1.87e+07	1.29	y	44:48	1.15	9110					91.1	2.15e+06	1.67e+06
PCB-157	4.29e+04	1.13	y	45:02	1.21	18.5	J	-	-	*			
13C-PCB-157	1.91e+07	1.29	y	45:02	1.17	9170					91.7	2.24e+06	1.71e+06
PCB-169	*	*	n	NotFnd	1.17	*		1060	830	9.95			
13C-PCB-169	1.75e+07	1.28	y	46:53	1.18	8350					83.5	2.28e+06	1.78e+06

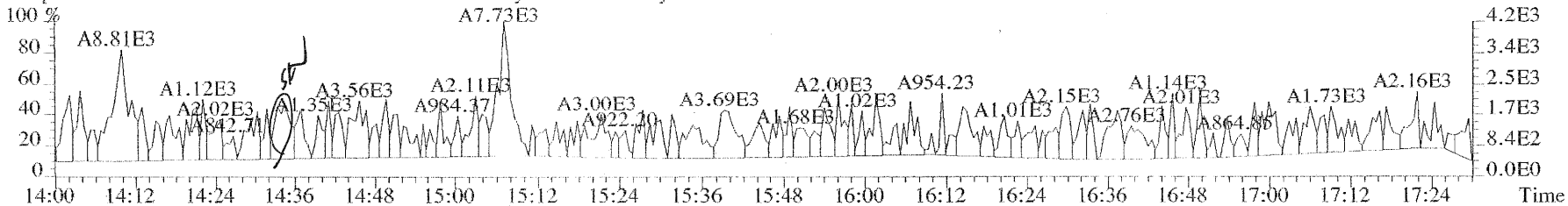
PCB-188	*	*	n	NotFnd	1.16	*		720	604	11.7			
13C-PCB-188	1.29e+07	1.06	y	39:48	0.93	7810					78.1	1.25e+06	1.19e+06
PCB-184	1.17e+07	1.08	y	40:16	1.25	8020		-	-	*			
PCB-179	1.28e+05	1.05	y	41:00	1.20	91.5		-	-	*			
PCB-176	3.77e+04	1.10	y	41:27	1.15	28.0		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		720	604	10.8			
PCB-178	4.79e+04	1.13	y	42:31	0.85	48.1		-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*		720	604	14.3			
PCB-187	2.38e+05	1.16	y	42:59	0.95	214		-	-	*		Co-elute PCB 182	
PCB-182	2.38e+05	1.16	y	42:59	0.95	214		-	-	*		Co-elute PCB 187	
PCB-183	1.27e+05	1.16	y	43:19	0.94	116		-	-	*			
PCB-185	*	*	n	NotFnd	0.88	*		720	604	14.5			
PCB-174	1.63e+05	1.12	y	44:15	0.87	161		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		720	604	14.3			
PCB-177	9.97e+04	1.03	y	44:31	0.82	104		-	-	*			
PCB-171	4.67e+04	0.98	y	44:49	0.87	46.0		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		720	604	15.9			
PCB-172	1.71e+05	0.93	y	45:32	0.83	176		-	-	*			
PCB-192	8.14e+06	1.09	y	45:45	1.09	6400		-	-	*			
PCB-180	2.57e+05	1.14	y	45:55	0.85	260		-	-	*			
PCB-193	2.29e+04	1.08	y	46:05	1.17	16.6	J	-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*		720	604	11.3			
PCB-170	1.12e+05	1.14	y	47:11	0.85	112		-	-	*			
PCB-190	2.52e+04	1.01	y	47:21	1.13	19.0	J	-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		720	604	10.3			
13C-PCB-189	1.05e+07	1.09	y	48:31	0.88	6680					66.8	1.49e+06	1.29e+06
PCB-202	*	*	n	NotFnd	1.08	*		364	388	9.75			
PCB-201	*	*	n	NotFnd	1.18	*		364	388	8.90			
PCB-204	1.48e+07	0.92	y	45:32	1.18	14700		-	-	*			
PCB-197	8.64e+04	0.94	y	45:47	1.23	82.7		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		364	388	8.69			
PCB-198	*	*	n	NotFnd	0.88	*		364	388	12.0			
PCB-199	3.13e+04	0.99	y	47:47	0.90	40.8		-	-	*			
PCB-203	3.28e+04	0.94	y	48:02	0.96	40.0		-	-	*		Co-elute PCB 196	
PCB-196	3.28e+04	0.94	y	48:02	0.96	40.0		-	-	*		Co-elute PCB 203	
13C-PCB-202	8.52e+06	0.90	y	44:56	0.68	7030					70.3	8.39e+05	9.50e+05
13C-PCB-178	9.46e+06	1.09	y	42:28	0.71	7530					75.3	9.82e+05	8.96e+05
13C-PCB-138	1.78e+07	1.31	y	41:42	-	76.6							
PCB-195	3.45e+04	0.79	y	49:08	0.85	20.7		-	-	*			
PCB-194	7.03e+04	0.77	y	49:55	0.96	37.3		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1080	1110	7.85			
13C-PCB-205	1.96e+07	0.90	y	50:09	1.22	9410					94.1	2.88e+06	3.22e+06
PCB-208	*	*	n	NotFnd	1.12	*		480	404	4.50			
13C-PCB-208	1.45e+07	0.82	y	49:13	1.00	8430					84.3	1.95e+06	2.45e+06
PCB-207	9.48e+04	1.48	y	49:32	1.24	62.1		-	-	*			
PCB-206	*	*	n	NotFnd	1.15	*		480	404	6.15			
13C-PCB-206	1.01e+07	0.81	y	51:21	0.77	7690					76.9	1.40e+06	1.72e+06
PCB-209	8.33e+04	1.08	y	52:33	1.24	73.2		-	-	*			
13C-PCB-209	9.20e+06	1.19	y	52:32	0.79	6800					68.0	1.39e+06	1.22e+06
13C-PCB-194	1.71e+07	0.92	y	49:54	-	70.1							

Analyst: _____ Date: 10/28/20

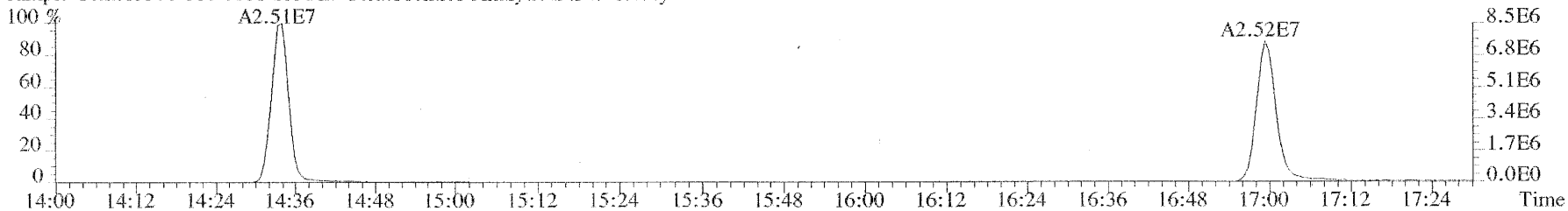
File:26OCT20Z #1-783 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



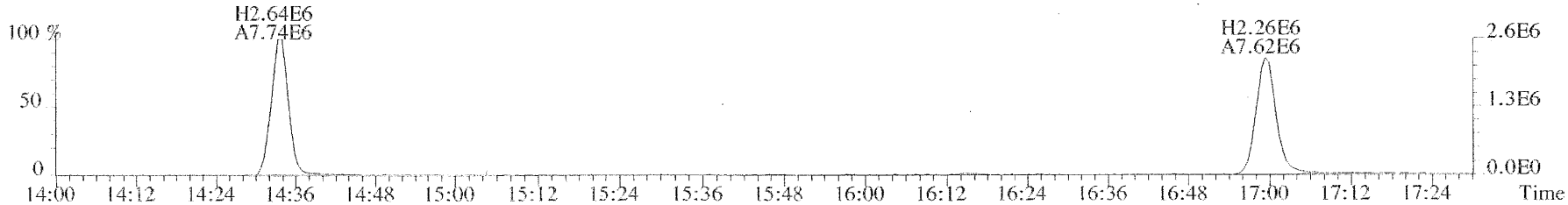
File:26OCT20Z #1-783 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



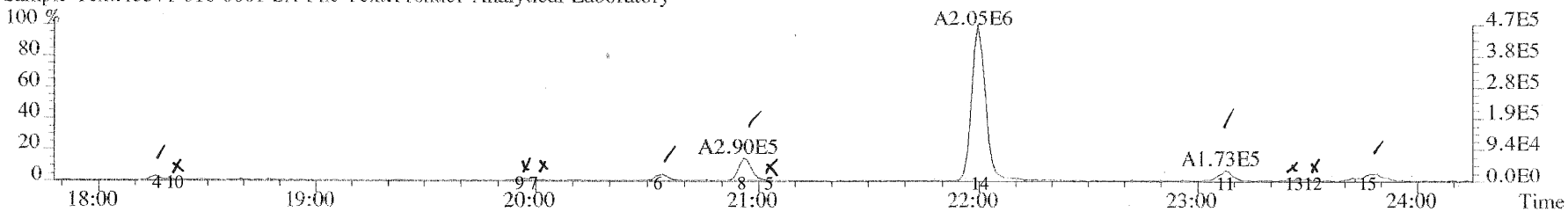
File:26OCT20Z #1-783 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



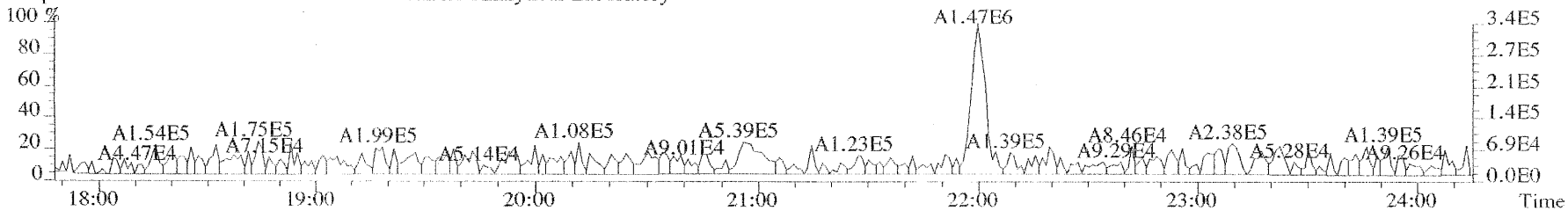
File:26OCT20Z #1-783 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



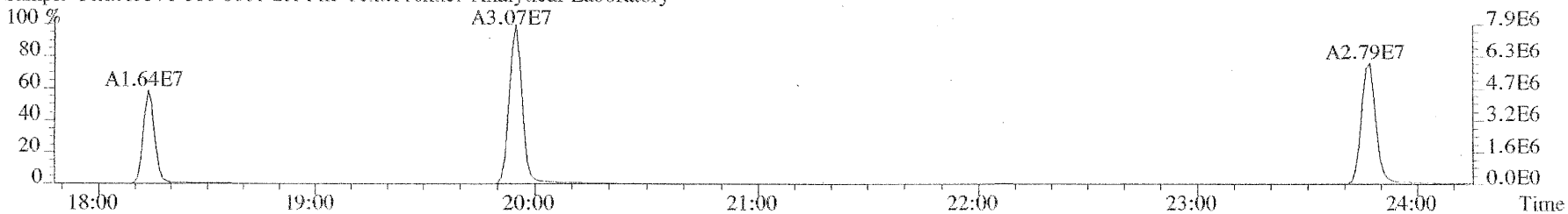
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



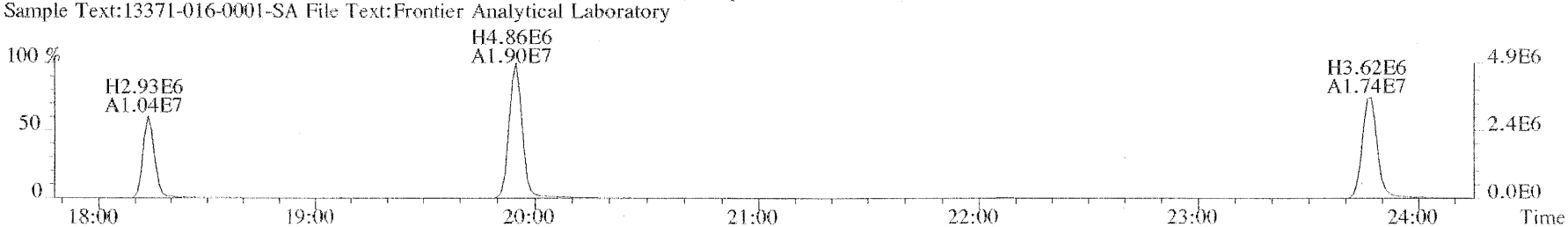
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



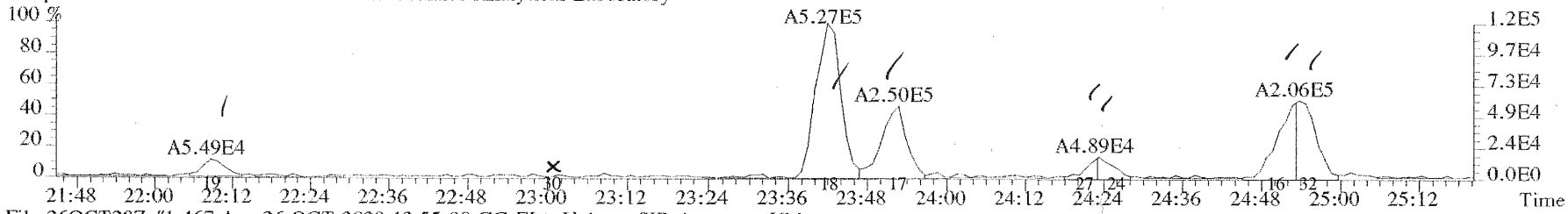
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



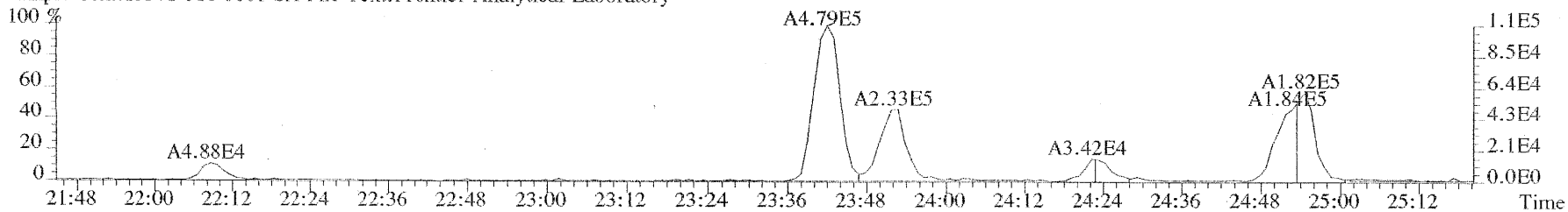
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



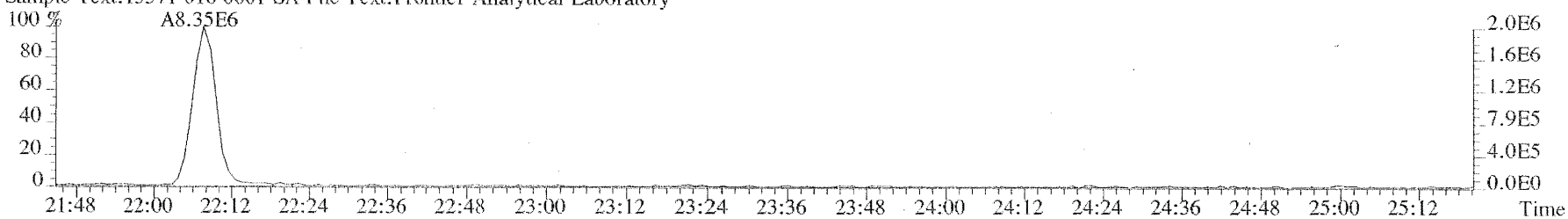
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



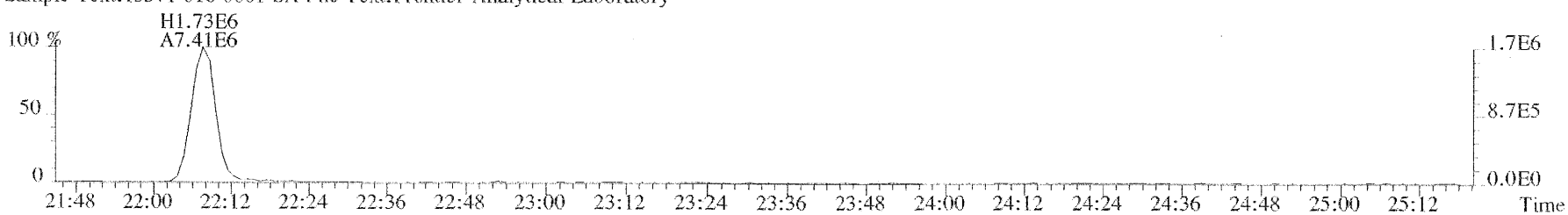
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



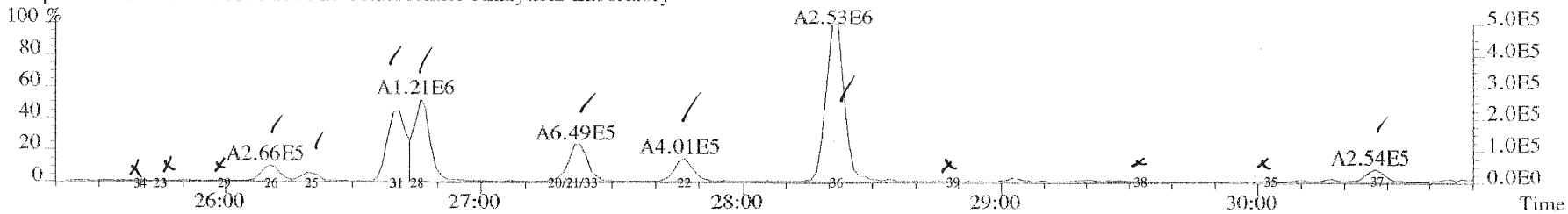
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



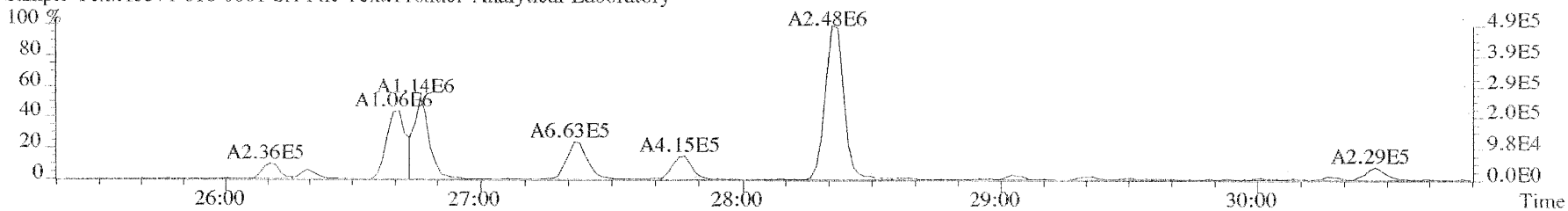
File:26OCT20Z #1-467 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



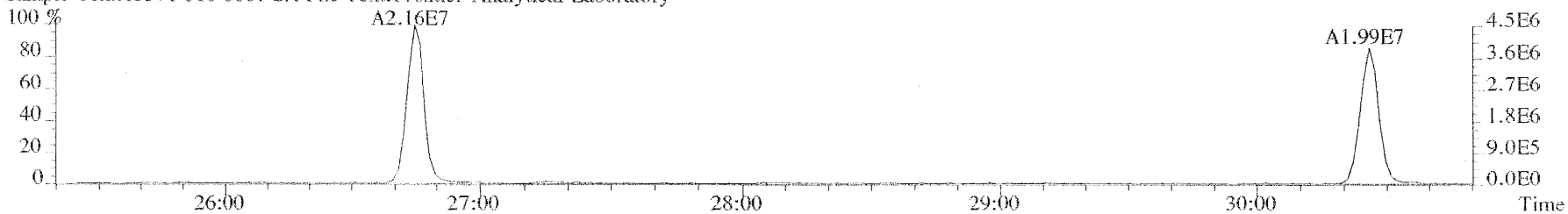
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



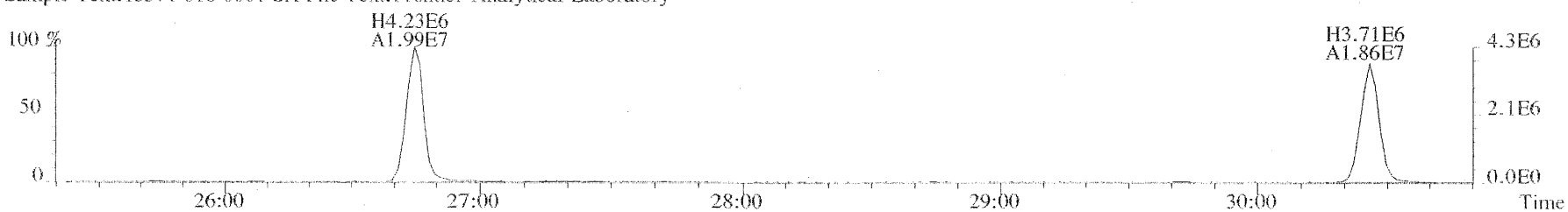
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



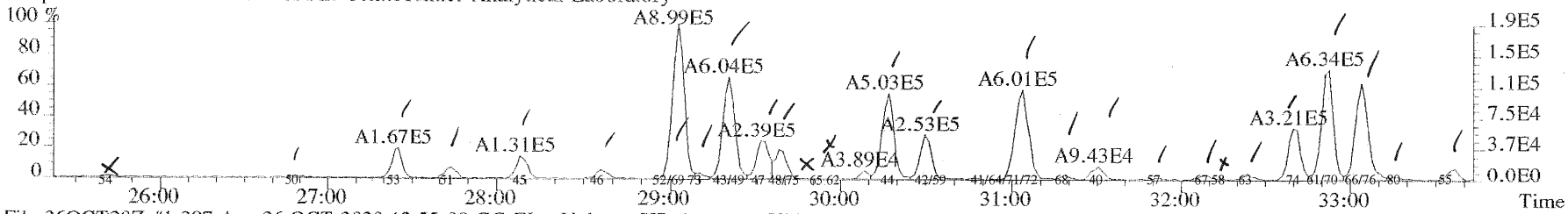
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



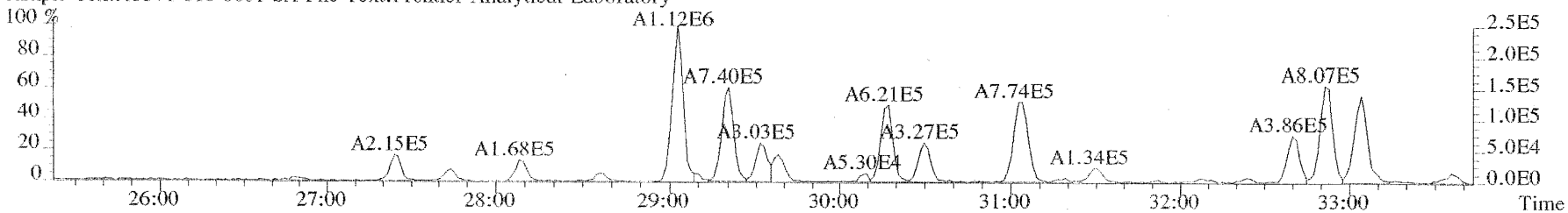
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



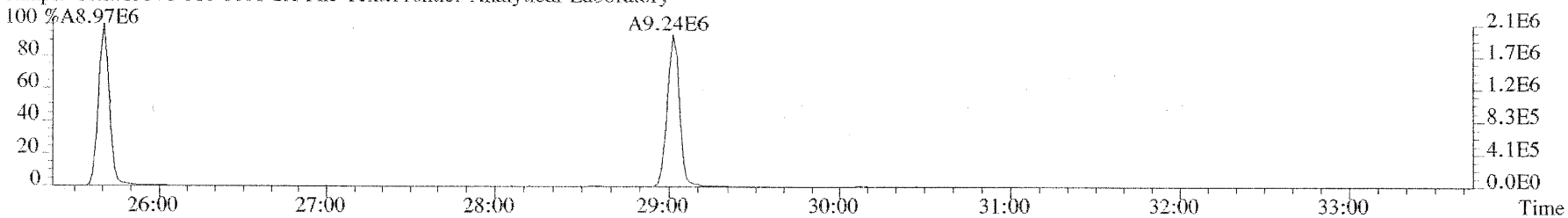
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



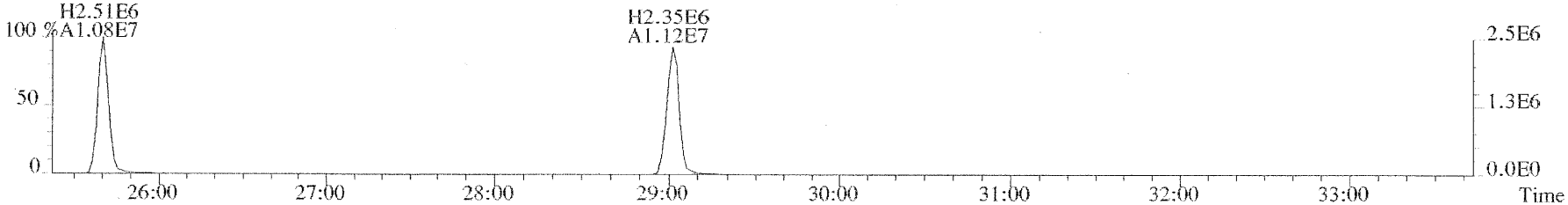
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



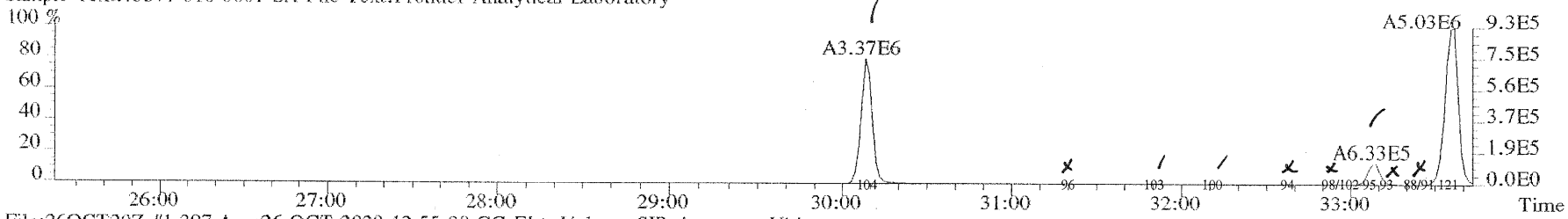
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



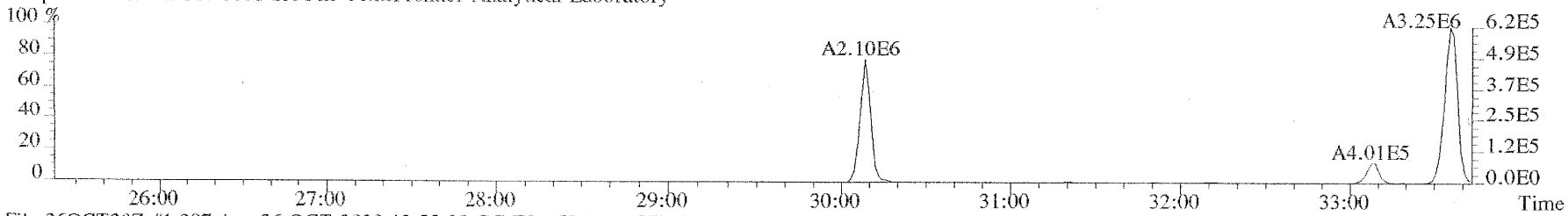
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



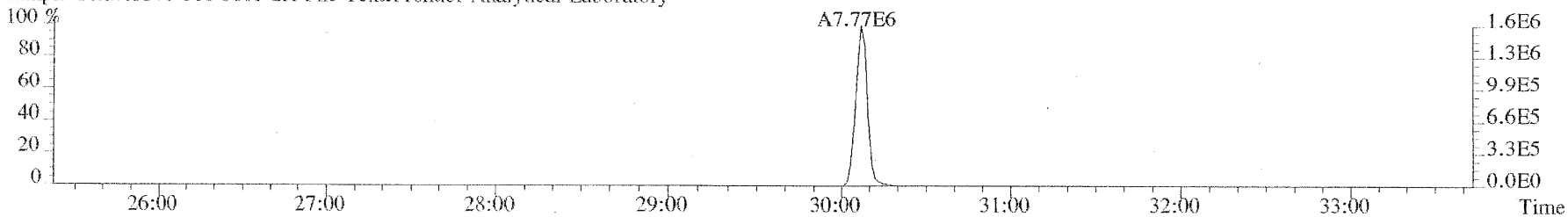
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



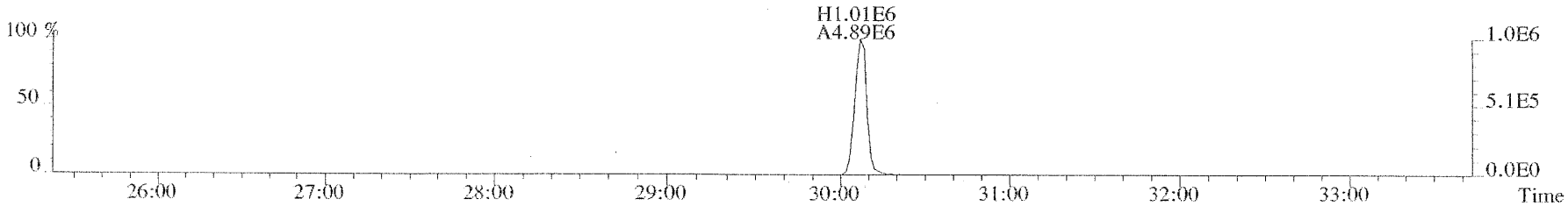
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



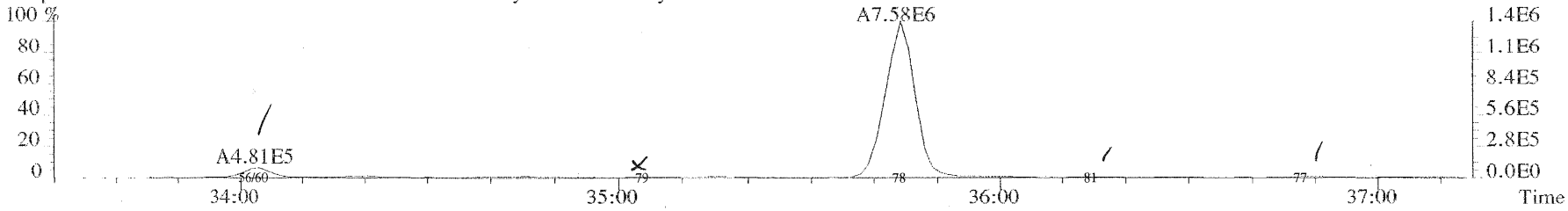
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



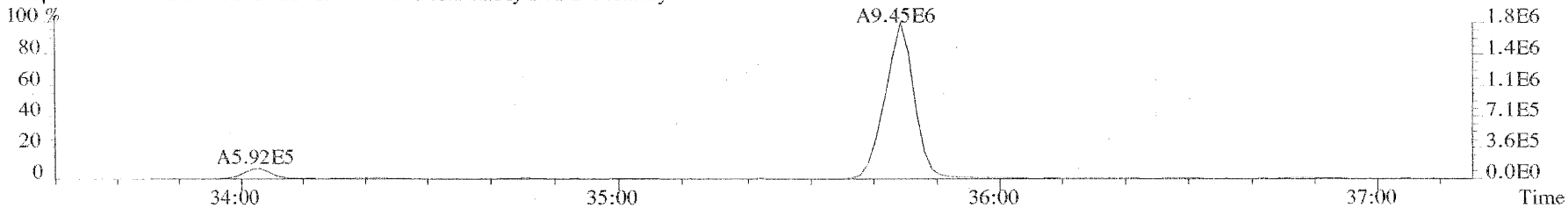
File:26OCT20Z #1-397 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



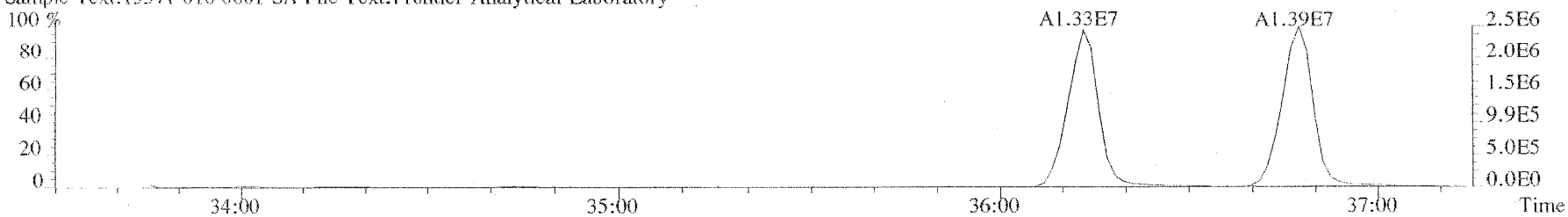
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



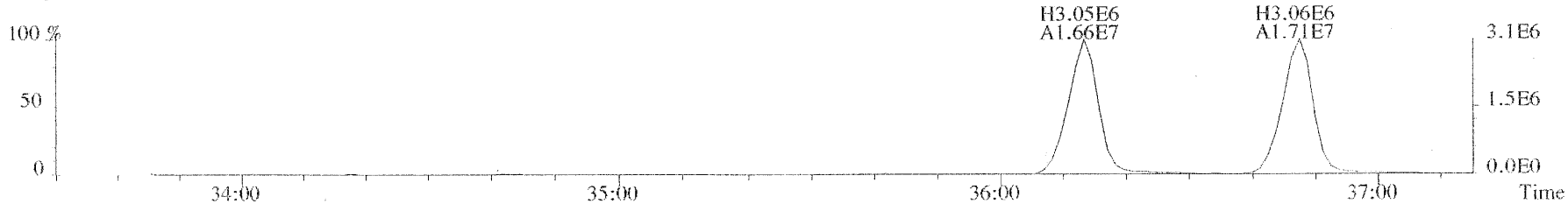
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



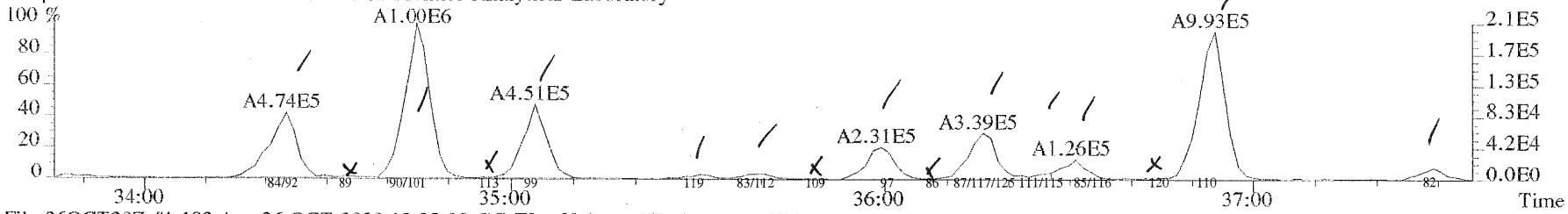
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



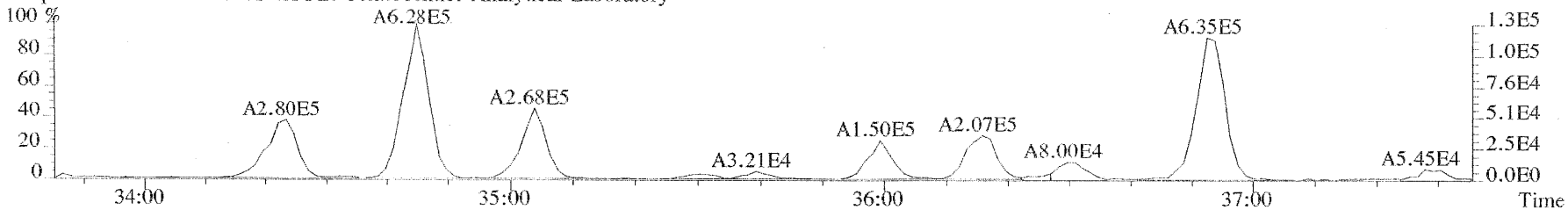
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



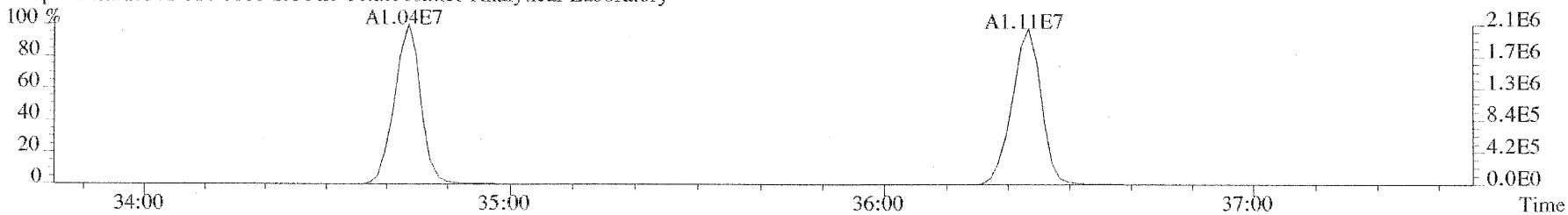
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



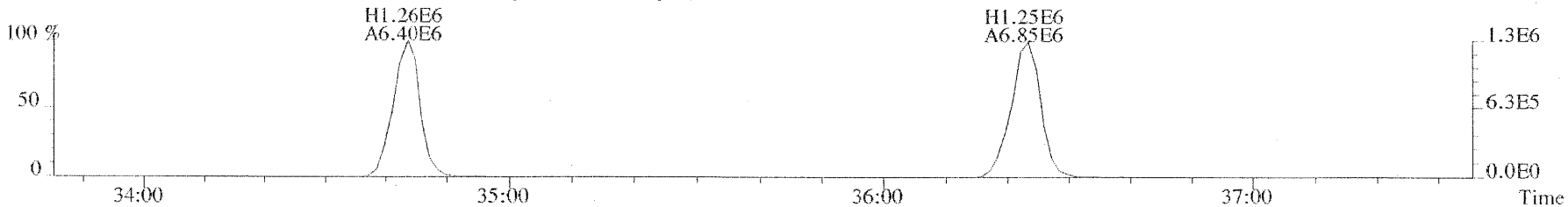
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



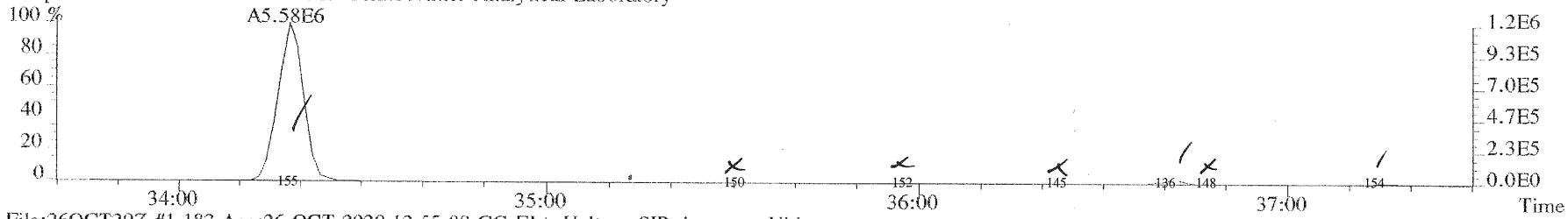
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



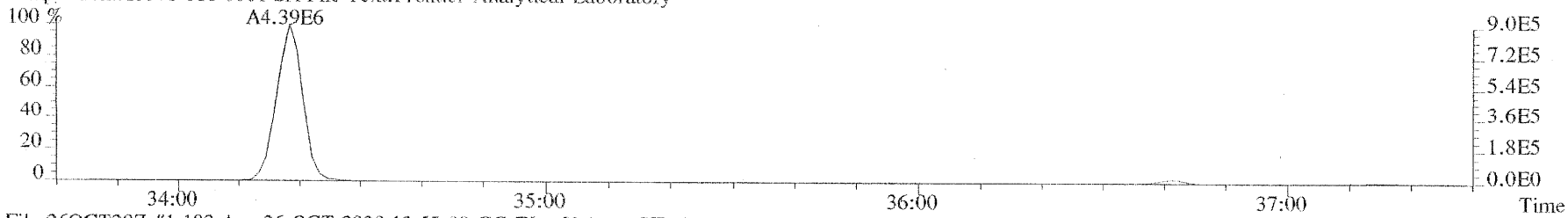
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



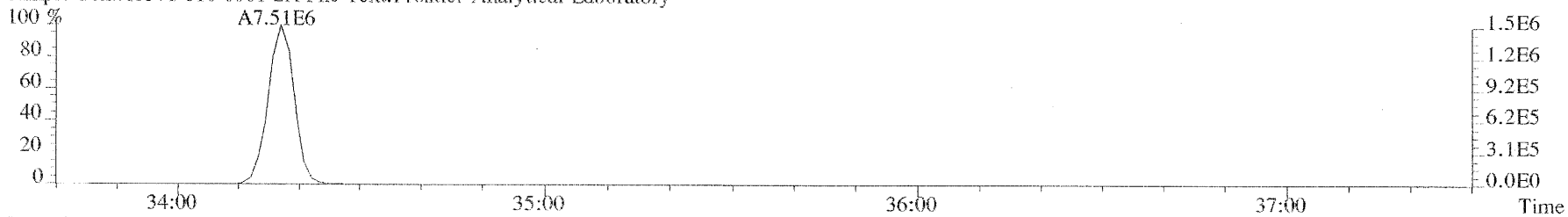
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



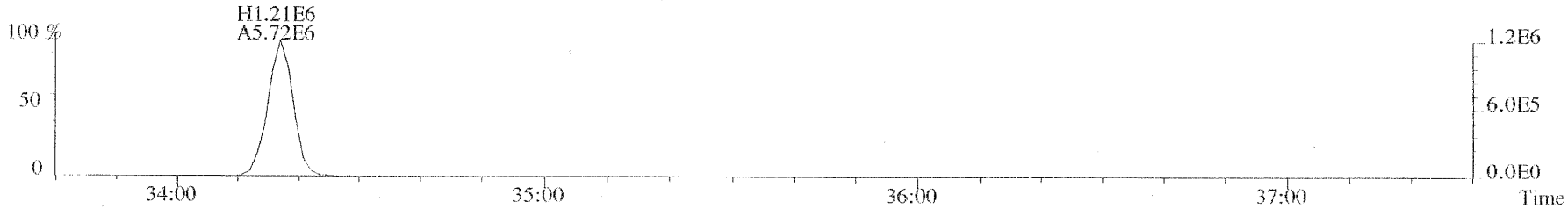
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



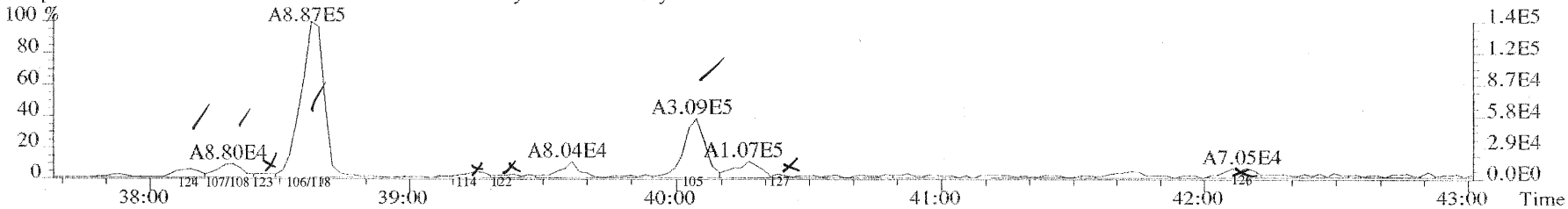
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



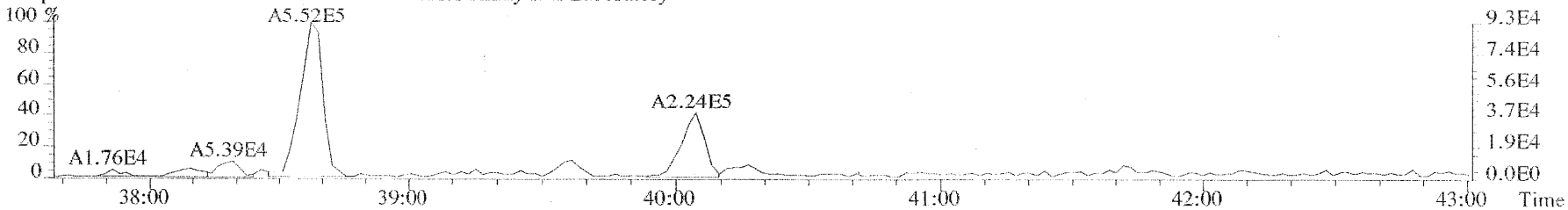
File:26OCT20Z #1-183 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



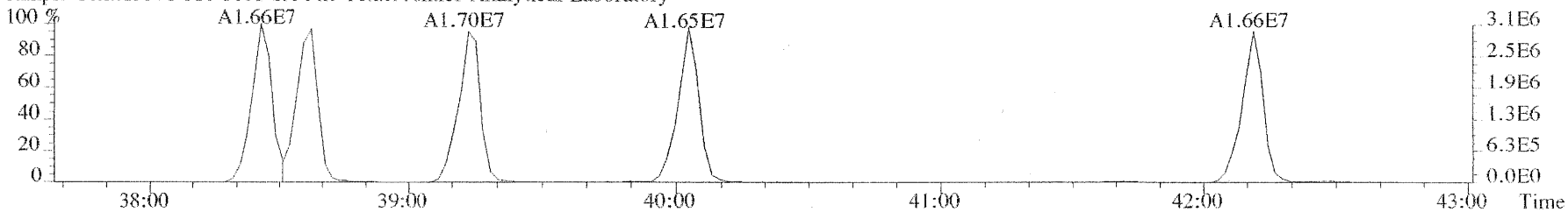
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



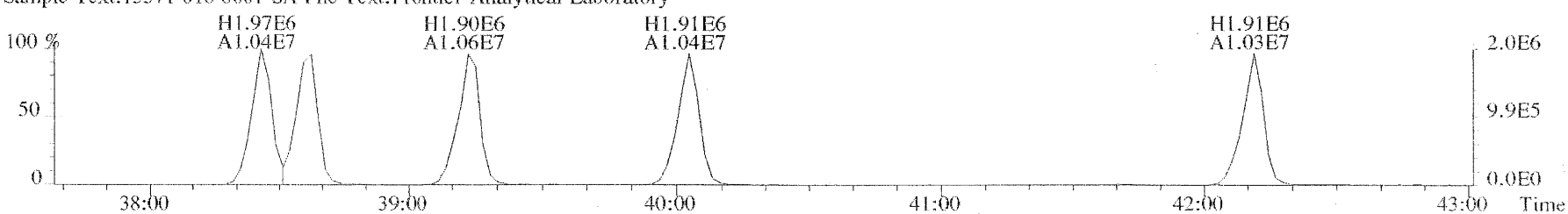
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



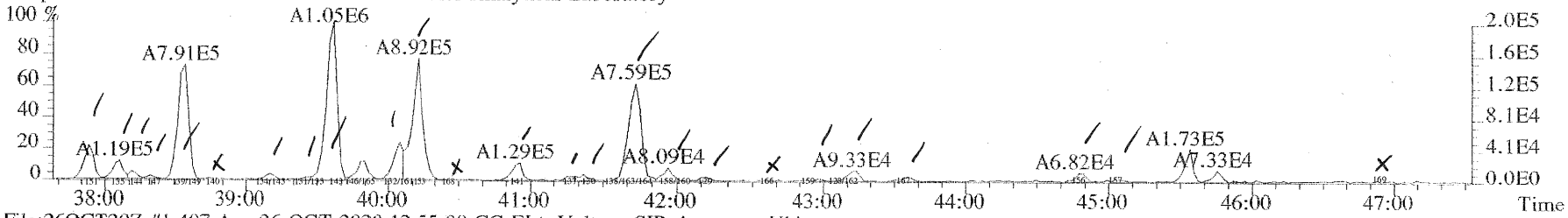
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



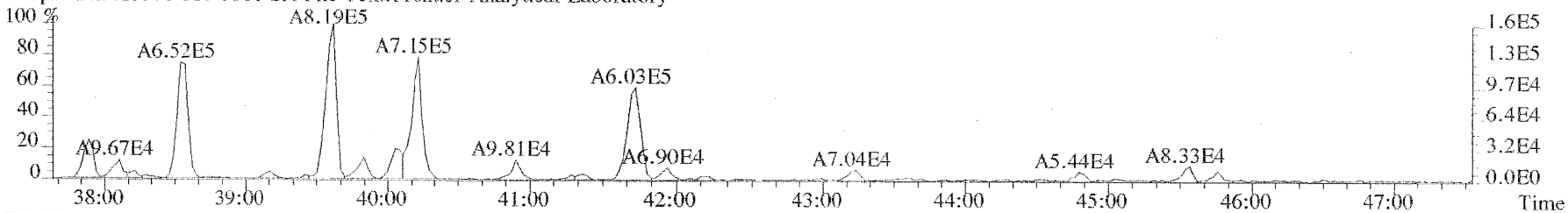
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



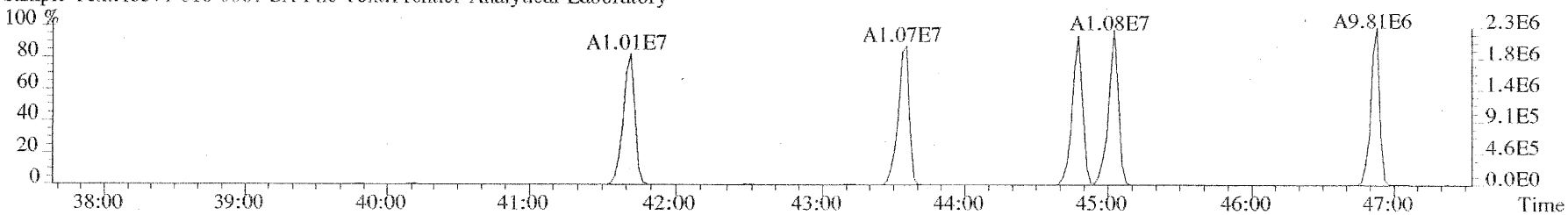
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



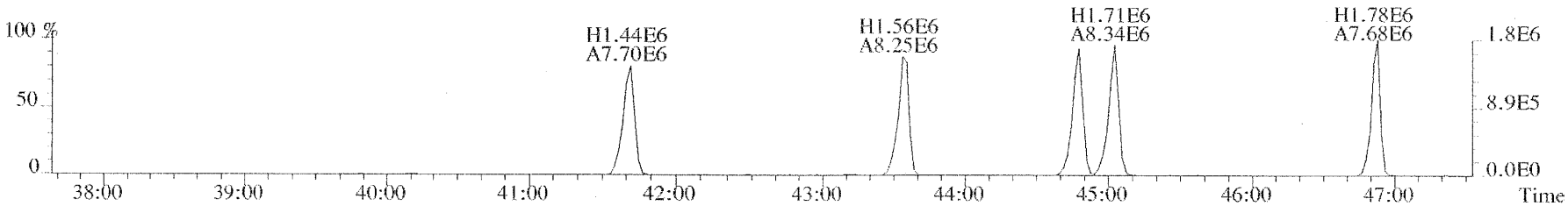
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



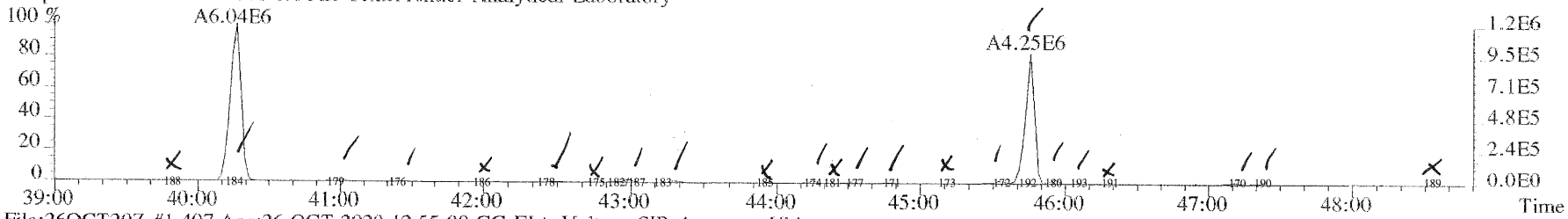
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



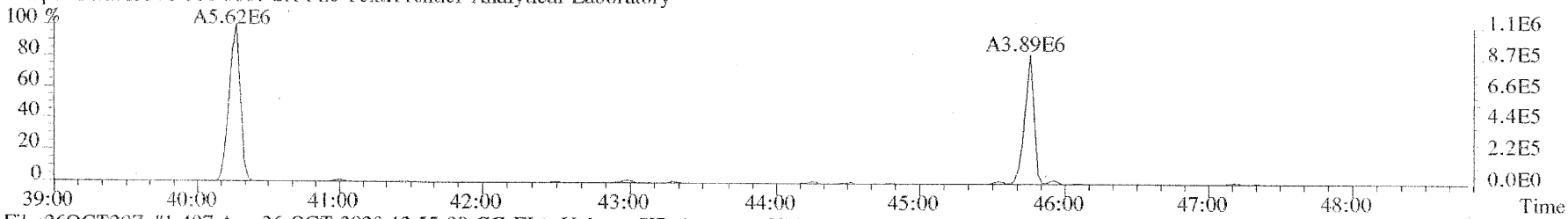
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



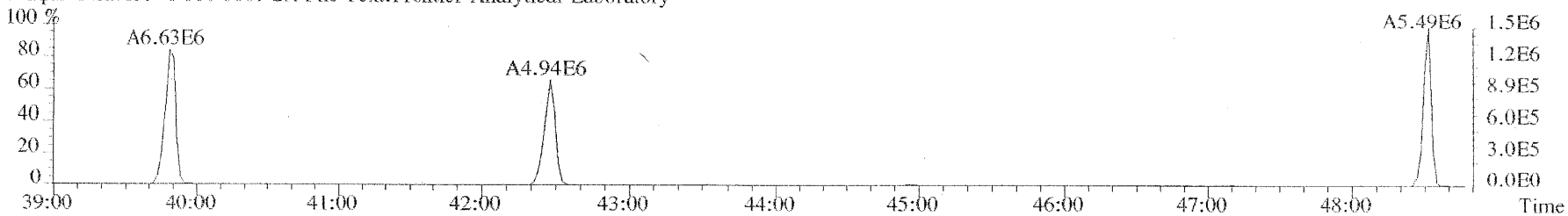
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



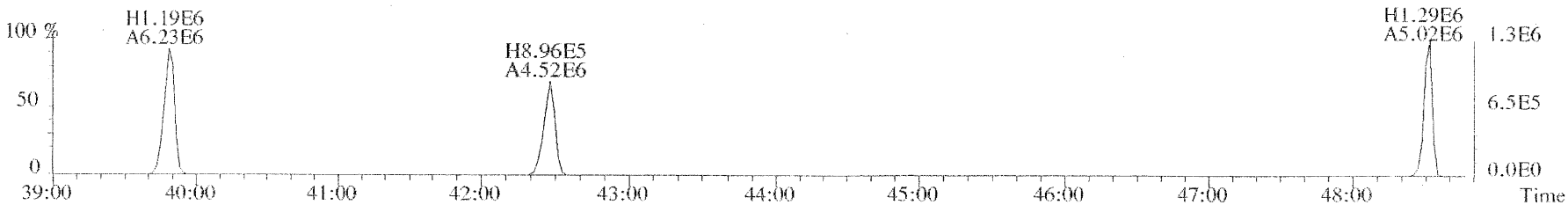
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



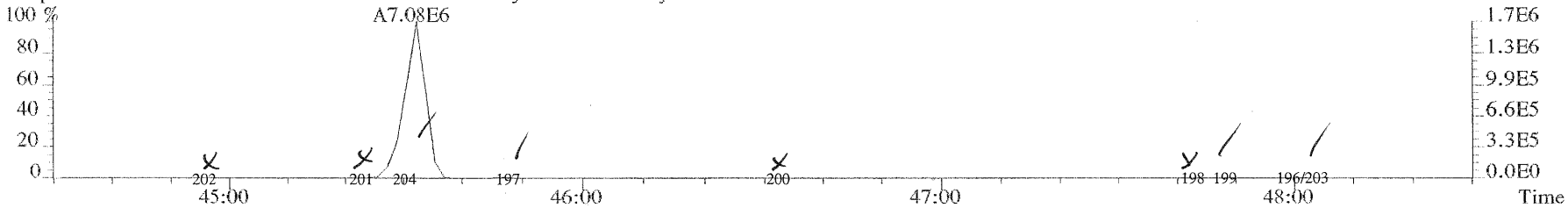
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



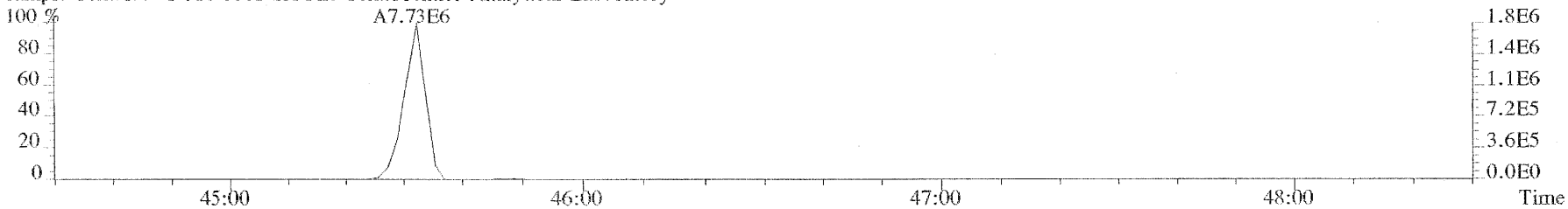
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



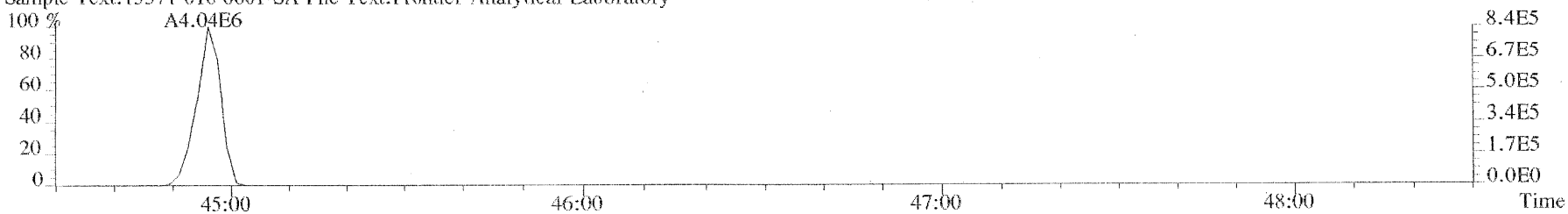
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



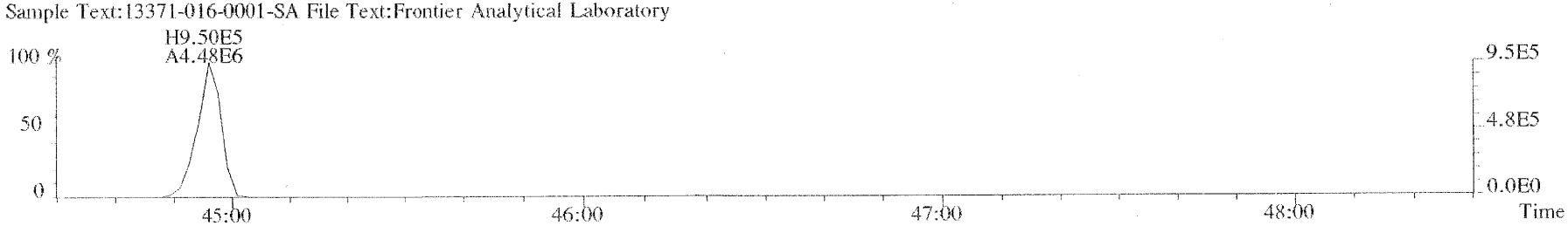
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



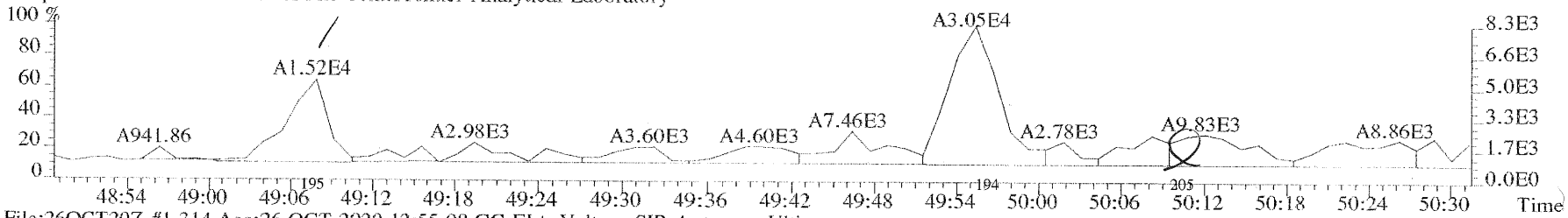
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



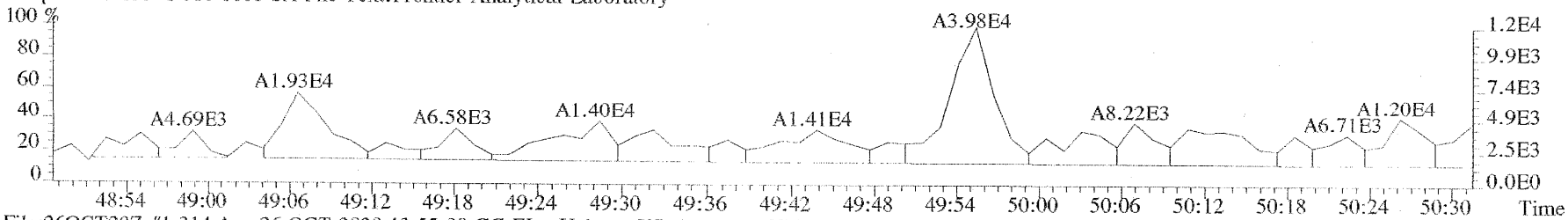
File:26OCT20Z #1-407 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



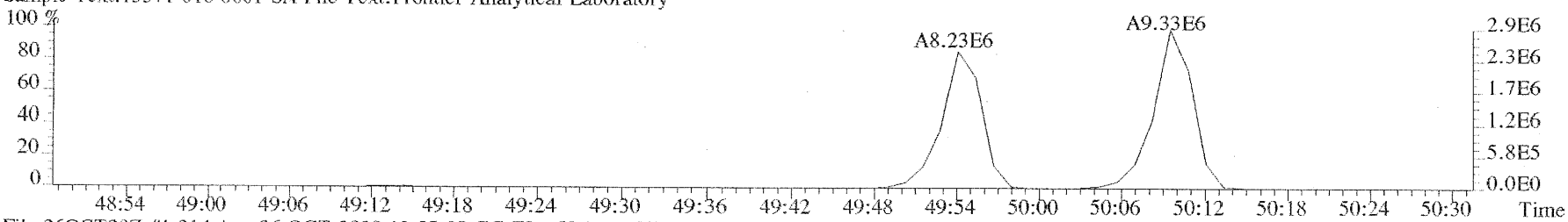
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



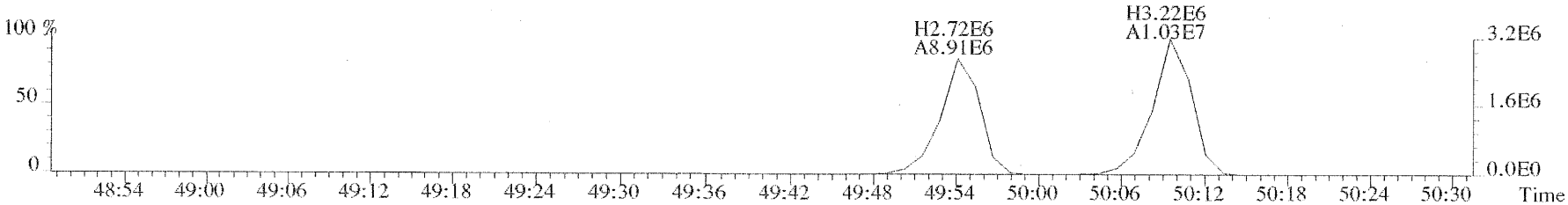
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



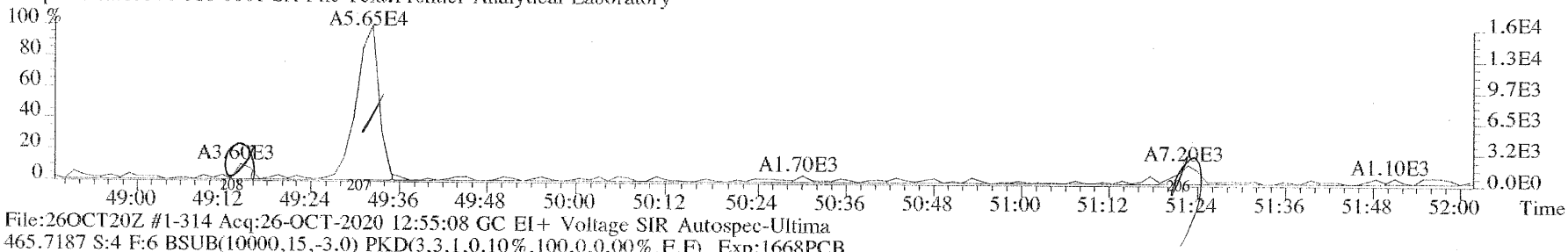
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



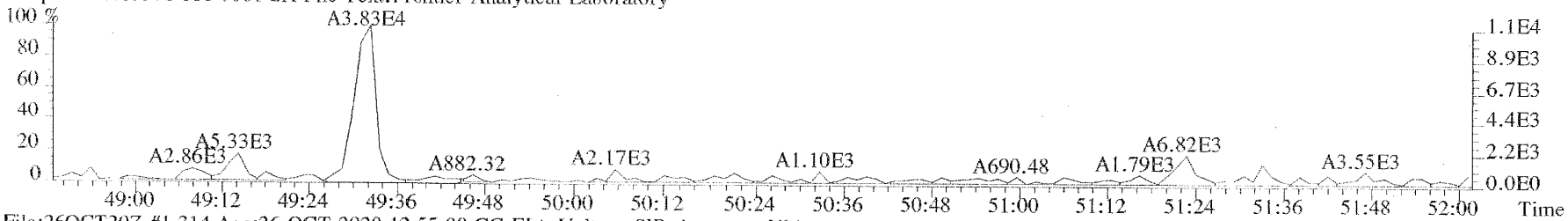
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



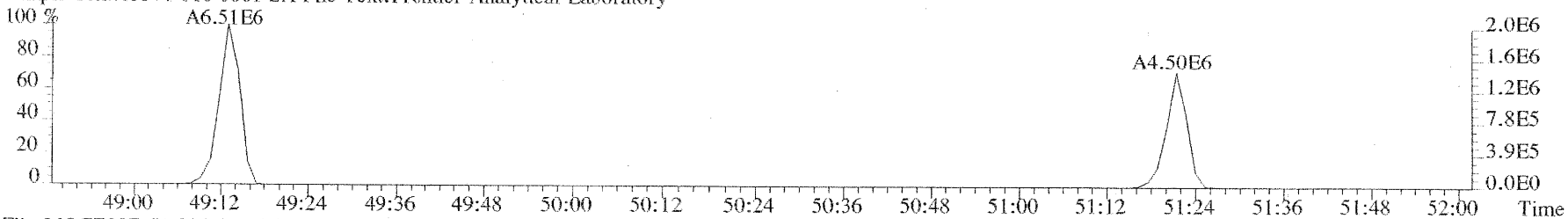
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



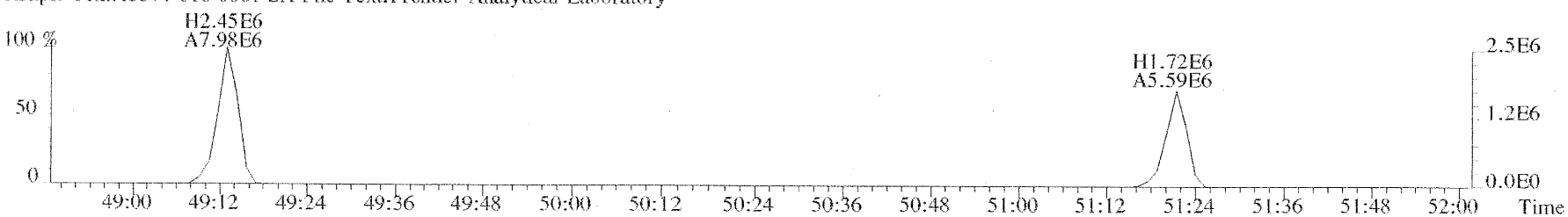
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



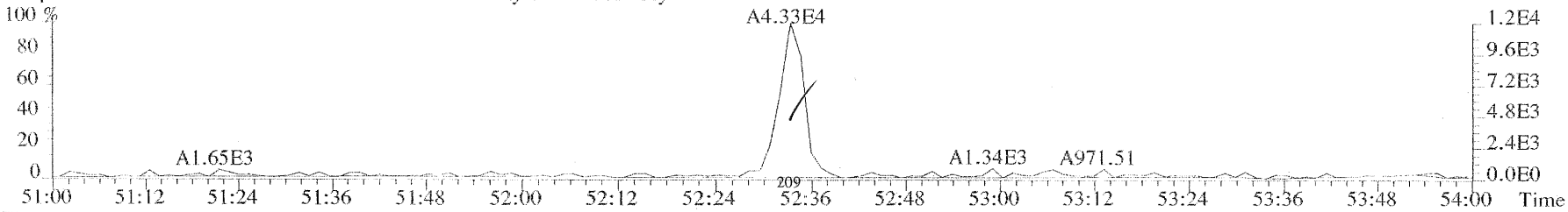
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



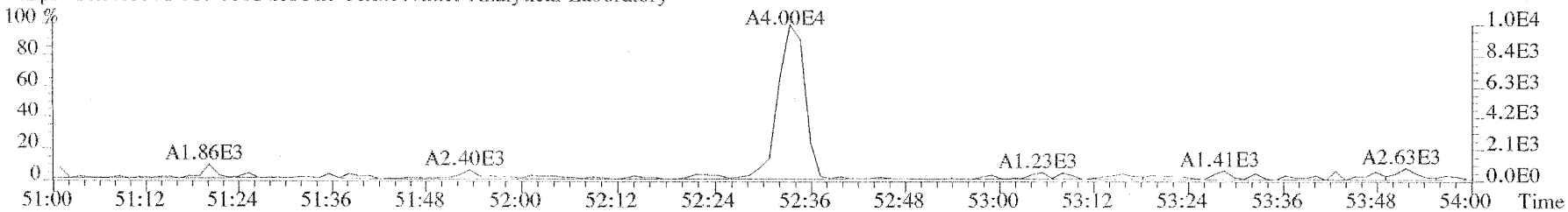
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



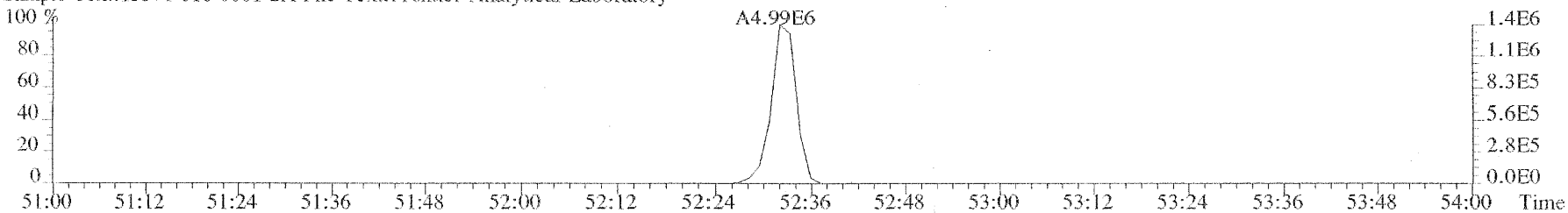
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



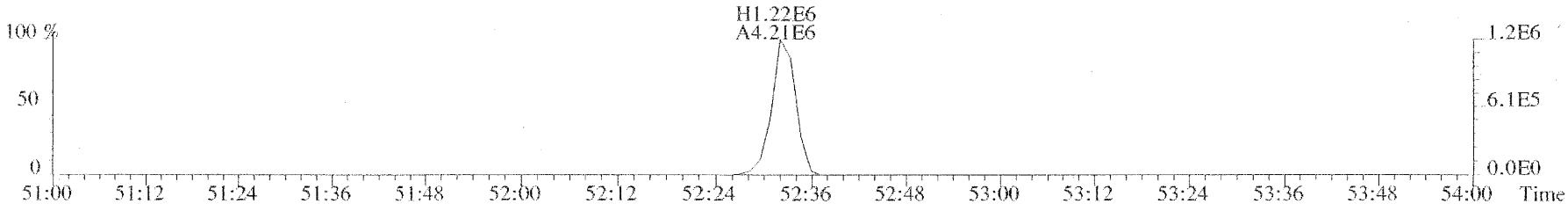
File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 12:55:08 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-016-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-017-0001-SA Filename: 26OCT20Z Sam:5 Acquired: 26-OCT-20 13:53:30 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SC-ENR+AC-CC-S010 ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.30	*		1510	1040	8.09			
13C-PCB-1	2.02e+07	3.21 y	14:33	0.83	7730					77.3	4.57e+06	1.46e+06
PCB-2	*	* n	NotFnd	1.33	*		1510	1040	8.52			
PCB-3	*	* n	NotFnd	1.34	*		1510	1040	9.09			
13C-PCB-3	2.09e+07	3.28 y	17:00	0.80	8250					82.5	4.02e+06	1.21e+06
PCB-4	1.47e+05	1.43 y	18:16	1.01	84.3		-	-	*			
PCB-10	*	* n	NotFnd	1.43	*		940	2780	13.1			
13C-PCB-4	1.73e+07	1.61 y	18:15	0.64	8630					86.3	2.55e+06	1.57e+06
PCB-9	*	* n	NotFnd	1.34	*		940	2780	14.0			
PCB-7	6.20e+04	1.63 y	20:00	1.40	19.3	J	-	-	*			
PCB-6	1.63e+05	1.40 y	20:34	1.35	52.9		-	-	*			
PCB-8	5.20e+05	1.57 y	20:57	1.33	171		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		940	2780	13.8			
PCB-14	2.07e+06	1.36 y	22:01	1.37	660		-	-	*			
PCB-11	2.00e+05	1.36 y	23:08	1.34	65.2		-	-	*			
PCB-13	*	* n	NotFnd	1.39	*		940	2780	13.5			
PCB-12	*	* n	NotFnd	1.30	*		940	2780	14.4			
PCB-15	1.97e+05	1.53 y	23:49	1.24	55.6		-	-	*			
13C-PCB-15	2.85e+07	1.61 y	23:48	1.02	8830					88.3	3.54e+06	2.15e+06
PCB-19	1.21e+05	1.16 y	22:09	1.31	92.7		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		1380	628	12.3			
PCB-18	1.12e+06	1.07 y	23:43	1.36	829		-	-	*			
PCB-17	5.69e+05	1.16 y	23:53	1.48	385		-	-	*			
PCB-27	7.92e+04	1.18 y	24:23	1.93	41.3		-	-	*			
PCB-24	8.05e+04	1.08 y	24:25	1.97	41.0		-	-	*			
PCB-16	5.10e+05	1.18 y	24:55	1.66	309		-	-	*			
PCB-32	5.10e+05	1.18 y	24:55	1.65	311		-	-	*			
13C-PCB-19	9.96e+06	1.12 y	22:09	0.40	7900					79.0	1.09e+06	9.51e+05
13C-PCB-9	3.15e+07	1.61 y	19:56	-	58.2							
PCB-34	*	* n	NotFnd	1.16	*		1080	1070	10.0			
PCB-23	*	* n	NotFnd	1.15	*		1080	1070	10.1			
PCB-29	*	* n	NotFnd	1.19	*		1080	1070	9.70			
PCB-26	4.52e+05	1.03 y	26:12	1.17	155		-	-	*			
PCB-25	2.55e+05	1.08 y	26:22	1.14	89.3		-	-	*			
PCB-31	2.16e+06	1.02 y	26:42	1.18	730		-	-	*			
PCB-28	2.05e+06	1.10 y	26:47	1.34	610		-	-	*			
PCB-20	1.29e+06	1.02 y	27:24	1.12	461		-	-	*		Co-elute PCB 21/33	
PCB-21	1.29e+06	1.02 y	27:24	1.12	461		-	-	*		Co-elute PCB 20/33	
PCB-33	1.29e+06	1.02 y	27:24	1.12	461		-	-	*		Co-elute PCB 20/21	
PCB-22	7.31e+05	1.06 y	27:48	1.22	240		-	-	*			
PCB-36	2.54e+06	1.07 y	28:23	1.17	866		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1080	1070	9.50			
PCB-38	*	* n	NotFnd	1.28	*		1080	1070	9.05			
PCB-35	*	* n	NotFnd	1.22	*		1080	1070	9.52			
PCB-37	3.84e+05	1.07 y	30:28	1.20	127		-	-	*			
13C-PCB-37	2.50e+07	1.08 y	30:27	1.83	10200					102	2.42e+06	2.21e+06

PCB-54	*	*	n	NotFnd	1.30	*		756	930	11.9			
PCB-50	2.57e+04	0.81	y	26:50	1.04	19.5	J	-	-	*			
PCB-53	3.30e+05	0.74	y	27:26	1.02	255		-	-	*			
PCB-51	1.44e+05	0.71	y	27:45	1.08	105		-	-	*			
PCB-45	3.55e+05	0.81	y	28:09	0.91	307		-	-	*			
PCB-46	1.30e+05	0.81	y	28:37	0.89	115		-	-	*			
PCB-52	2.14e+06	0.79	y	29:04	1.15	1460		-	-	*	Co-elute PCB 69		
PCB-69	2.14e+06	0.79	y	29:04	1.15	1460		-	-	*	Co-elute PCB 52		
PCB-73	5.10e+04	0.87	y	29:10	1.28	31.3		-	-	*			
PCB-43	1.39e+06	0.79	y	29:21	1.00	1090		-	-	*	Co-elute PCB 49		
PCB-49	1.39e+06	0.79	y	29:21	1.00	1090		-	-	*	Co-elute PCB 43		
PCB-47	6.04e+05	0.83	y	29:33	1.03	460		-	-	*			
PCB-48	4.39e+05	0.85	y	29:39	1.34	257		-	-	*	Co-elute PCB 75		
PCB-75	4.39e+05	0.85	y	29:39	1.34	257		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		756	930	11.4			
PCB-62	*	*	n	NotFnd	1.35	*		756	930	11.5			
PCB-44	1.21e+06	0.82	y	30:18	0.90	1050		-	-	*			
PCB-42	6.22e+05	0.77	y	30:31	1.12	434		-	-	*	Co-elute PCB 59		
PCB-59	6.22e+05	0.77	y	30:31	1.12	434		-	-	*	Co-elute PCB 42		
PCB-72	1.49e+06	0.80	y	31:04	1.26	931		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.49e+06	0.80	y	31:04	1.26	931		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.49e+06	0.80	y	31:04	1.26	931		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.49e+06	0.80	y	31:04	1.26	931		-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.05e+04	0.72	y	31:19	1.47	27.0		-	-	*			
PCB-40	2.24e+05	0.70	y	31:32	0.80	221		-	-	*			
PCB-57	*	*	n	NotFnd	1.38	*		756	930	11.3			
PCB-67	9.48e+04	0.71	y	32:09	1.39	53.4		-	-	*			
PCB-58	*	*	n	NotFnd	1.37	*		756	930	11.3			
PCB-63	1.00e+05	0.81	y	32:25	1.41	55.6		-	-	*			
PCB-74	7.68e+05	0.81	y	32:41	1.38	436		-	-	*			
PCB-61	1.53e+06	0.78	y	32:52	1.26	950		-	-	*	Co-elute PCB 70		
PCB-70	1.53e+06	0.78	y	32:52	1.26	950		-	-	*	Co-elute PCB 61		
PCB-76	1.37e+06	0.80	y	33:05	1.41	760		-	-	*	Co-elute PCB 66		
PCB-66	1.37e+06	0.80	y	33:05	1.41	760		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.56	*		756	930	9.95			
PCB-55	1.14e+05	0.75	y	33:37	1.33	67.2		-	-	*			
13C-PCB-54	1.28e+07	0.83	y	25:41	1.12	8410					84.1	1.22e+06	1.49e+06
PCB-104	2.62e+06	1.59	y	30:09	1.20	2760		-	-	*			
PCB-96	2.05e+04	1.48	y	31:20	1.15	22.4		-	-	*			
PCB-103	2.52e+04	1.61	y	31:52	0.99	32.3		-	-	*			
PCB-100	2.15e+04	1.52	y	32:11	0.97	27.9		-	-	*			
PCB-94	*	*	n	NotFnd	0.82	*		464	380	16.2			
PCB-98	*	*	n	NotFnd	0.81	*		464	380	16.4	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		464	380	16.4	Co-elute PCB 98		
PCB-95	9.82e+05	1.55	y	33:09	0.88	1400		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		464	380	15.5			
PCB-88	*	*	n	NotFnd	0.86	*		464	380	15.3	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		464	380	15.3	Co-elute PCB 88		
PCB-121	3.93e+06	1.57	y	33:37	1.17	4240		-	-	*			
13C-PCB-104	7.91e+06	1.57	y	30:08	0.79	7390					73.9	9.60e+05	6.26e+05
13C-PCB-28	2.77e+07	1.08	y	26:46	2.03	10100					101	2.70e+06	2.59e+06
13C-PCB-52	1.35e+07	0.81	y	29:02	-	52.4							

PCB-56	1.09e+06	0.84	y	34:04	1.15	477	-	-	*		Co-elute PCB 60	
PCB-60	1.09e+06	0.84	y	34:04	1.15	477	-	-	*		Co-elute PCB 56	
PCB-79	*	*	n	NotFnd	1.25	*	880	1020	11.0			
PCB-78	7.29e+06	0.81	y	35:45	1.20	3040	-	-	*			
PCB-81	*	*	n	NotFnd	1.29	*	880	1020	10.9			
13C-PCB-81	1.94e+07	0.81	y	36:14	1.82	9860				98.6	1.51e+06	1.86e+06
PCB-77	1.06e+05	0.73	y	36:50	1.13	46.2	-	-	*			
13C-PCB-77	2.04e+07	0.80	y	36:49	1.87	10100				101	1.56e+06	1.96e+06
PCB-155	4.19e+06	1.31	y	34:19	1.12	4620	-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*	368	380	11.0			
PCB-152	*	*	n	NotFnd	1.06	*	368	380	11.5			
PCB-145	*	*	n	NotFnd	1.07	*	368	380	11.4			
PCB-136	2.22e+05	1.15	y	36:42	1.08	253	-	-	*			
PCB-148	*	*	n	NotFnd	0.76	*	368	380	16.0			
PCB-154	3.38e+04	1.12	y	37:16	0.93	44.8	-	-	*			
13C-PCB-155	8.11e+06	1.30	y	34:18	1.04	7230				72.3	8.66e+05	6.70e+05
13C-PCB-111	1.18e+07	1.62	y	36:25	1.29	8490				84.9	1.25e+06	8.09e+05
13C-PCB-101	1.08e+07	1.58	y	34:45	-	50.6						
PCB-84	6.45e+05	1.61	y	34:24	0.66	558	-	-	*		Co-elute PCB 92	
PCB-92	6.45e+05	1.61	y	34:24	0.66	558	-	-	*		Co-elute PCB 84	
PCB-89	*	*	n	NotFnd	0.67	*	680	620	16.0			
PCB-90	1.61e+06	1.60	y	34:46	0.75	1240	-	-	*		Co-elute PCB 101	
PCB-101	1.61e+06	1.60	y	34:46	0.75	1240	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.87	*	680	620	12.4			
PCB-99	6.70e+05	1.62	y	35:05	0.83	467	-	-	*			
PCB-119	6.51e+04	1.62	y	35:31	0.99	38.0	-	-	*			
PCB-83	7.83e+04	1.54	y	35:39	0.78	57.4	-	-	*		Co-elute PCB 112	
PCB-112	7.83e+04	1.54	y	35:39	0.78	57.4	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.93	*	680	620	11.6			
PCB-97	3.79e+05	1.60	y	36:01	0.64	341	-	-	*			
PCB-86	*	*	n	NotFnd	0.56	*	680	620	19.2			
PCB-125	5.57e+05	1.64	y	36:17	0.89	359	-	-	*		Co-elute PCB 87/117	
PCB-87	5.57e+05	1.64	y	36:17	0.89	359	-	-	*		Co-elute PCB 125/117	
PCB-117	5.57e+05	1.64	y	36:17	0.89	359	-	-	*		Co-elute PCB 125/87	
PCB-111	3.32e+04	1.46	y	36:25	0.95	20.1	-	-	*		Co-elute PCB 115	
PCB-115	3.32e+04	1.46	y	36:25	0.95	20.1	-	-	*		Co-elute PCB 111	
PCB-85	2.32e+05	1.51	y	36:31	0.84	158	-	-	*		Co-elute PCB 116	
PCB-116	2.32e+05	1.51	y	36:31	0.84	158	-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.01	*	680	620	10.7			
PCB-110	1.56e+06	1.56	y	36:54	0.94	960	-	-	*			
PCB-82	1.44e+05	1.50	y	37:30	0.57	146	-	-	*			
PCB-124	8.52e+04	1.62	y	38:09	1.21	40.4	-	-	*			
PCB-108	1.24e+05	1.56	y	38:19	1.16	61.2	-	-	*		Co-elute PCB 107	
PCB-107	1.24e+05	1.56	y	38:19	1.16	61.2	-	-	*		Co-elute PCB 108	
PCB-123	*	*	n	NotFnd	1.11	*	880	610	11.2			
13C-PCB-123	1.69e+07	1.58	y	38:27	1.40	10800				108	1.83e+06	1.16e+06
PCB-118	1.40e+06	1.61	y	38:39	1.14	679	-	-	*		Co-elute PCB 106	
PCB-106	1.40e+06	1.61	y	38:39	1.14	679	-	-	*		Co-elute PCB 118	
13C-PCB-118	1.80e+07	1.60	y	38:37	1.51	10700				107	1.94e+06	1.21e+06
PCB-114	*	*	n	NotFnd	1.24	*	880	610	10.0			
13C-PCB-114	1.73e+07	1.61	y	39:15	1.49	10500				105	1.92e+06	1.10e+06
PCB-122	*	*	n	NotFnd	1.16	*	880	610	10.7			
PCB-105	5.22e+05	1.53	y	40:05	1.22	246	-	-	*			
13C-PCB-105	1.74e+07	1.60	y	40:03	1.49	10500				105	1.81e+06	1.13e+06

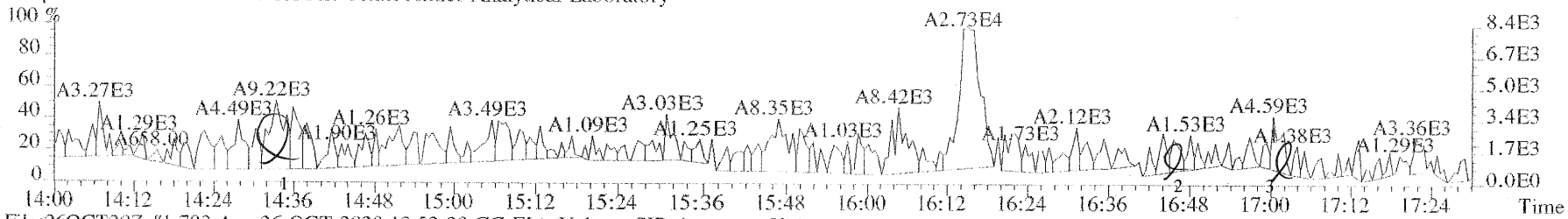
PCB-127	*	*	n	NotFnd	1.17	*		880	610	10.6			
PCB-126	*	*	n	NotFnd	1.19	*		880	610	11.4			
13C-PCB-126	1.71e+07	1.57	y	42:11	1.42	10800					108	1.67e+06	1.07e+06
PCB-151	3.78e+05	1.23	y	37:54	0.93	353		-	-	*			
PCB-135	1.90e+05	1.14	y	38:06	0.95	173		-	-	*			
PCB-144	8.07e+04	1.30	y	38:11	0.93	75.2		-	-	*			
PCB-147	1.99e+04	1.08	y	38:21	0.96	17.8	J	-	-	*			
PCB-139	1.22e+06	1.32	y	38:34	0.98	1070		-	-	*		Co-elute PCB 149	
PCB-149	1.22e+06	1.32	y	38:34	0.98	1070		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	0.97	*		740	610	15.4			
PCB-143	8.52e+04	1.20	y	39:10	0.81	91.1		-	-	*		Co-elute PCB 134	
PCB-134	8.52e+04	1.20	y	39:10	0.81	91.1		-	-	*		Co-elute PCB 143	
PCB-131	3.71e+04	1.27	y	39:27	0.83	38.8		-	-	*		Co-elute PCB 133	
PCB-133	3.71e+04	1.27	y	39:27	0.83	38.8		-	-	*		Co-elute PCB 131	
PCB-142	8.32e+05	1.16	y	39:37	0.83	866		-	-	*			
PCB-165	2.18e+05	1.17	y	39:50	1.12	169		-	-	*		Co-elute PCB 146	
PCB-146	2.18e+05	1.17	y	39:50	1.12	169		-	-	*		Co-elute PCB 165	
PCB-161	4.37e+05	1.29	y	40:05	1.04	363		-	-	*		Co-elute PCB 132	
PCB-132	4.37e+05	1.29	y	40:05	1.04	363		-	-	*		Co-elute PCB 161	
PCB-153	1.22e+06	1.29	y	40:13	1.08	980		-	-	*			
PCB-168	*	*	n	NotFnd	1.19	*		740	610	12.5			
PCB-141	2.01e+05	1.25	y	40:56	0.94	184		-	-	*			
PCB-137	4.93e+04	1.18	y	41:17	0.98	43.4		-	-	*			
PCB-130	5.06e+04	1.26	y	41:24	0.76	57.7		-	-	*			
PCB-138	1.16e+06	1.21	y	41:43	1.11	905		-	-	*		Co-elute PCB 163/164	
PCB-163	1.16e+06	1.21	y	41:43	1.11	905		-	-	*		Co-elute PCB 138/164	
PCB-164	1.16e+06	1.21	y	41:43	1.11	905		-	-	*		Co-elute PCB 138/163	
PCB-158	1.16e+05	1.12	y	41:56	1.25	80.2		-	-	*		Co-elute PCB 160	
PCB-160	1.16e+05	1.12	y	41:56	1.25	80.2		-	-	*		Co-elute PCB 158	
PCB-129	5.13e+04	1.16	y	42:11	0.78	56.5		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		740	610	12.2			
PCB-159	*	*	n	NotFnd	1.31	*		740	610	11.4			
PCB-128	1.53e+05	1.19	y	43:12	1.04	127		-	-	*		Co-elute PCB 162	
PCB-162	1.53e+05	1.19	y	43:12	1.04	127		-	-	*		Co-elute PCB 128	
PCB-167	4.80e+04	1.19	y	43:35	1.20	33.8		-	-	*			
13C-PCB-167	1.18e+07	1.27	y	43:35	1.18	9060					90.6	1.22e+06	9.56e+05
PCB-156	9.63e+04	1.27	y	44:48	1.29	64.2		-	-	*			
13C-PCB-156	1.17e+07	1.29	y	44:48	1.15	9080					90.8	1.19e+06	9.59e+05
PCB-157	*	*	n	NotFnd	1.21	*		740	610	11.7			
13C-PCB-157	1.21e+07	1.28	y	45:02	1.17	9280					92.8	1.37e+06	1.02e+06
PCB-169	*	*	n	NotFnd	1.17	*		740	610	12.2			
13C-PCB-169	1.07e+07	1.30	y	46:53	1.18	8200					82.0	1.35e+06	1.01e+06

FAL ID: 13371-017-0001-SA Filename: 26OCT20Z Sam:5 Acquired: 26-OCT-20 13:53:30 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SC-ENR+AC-CC-S010 ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

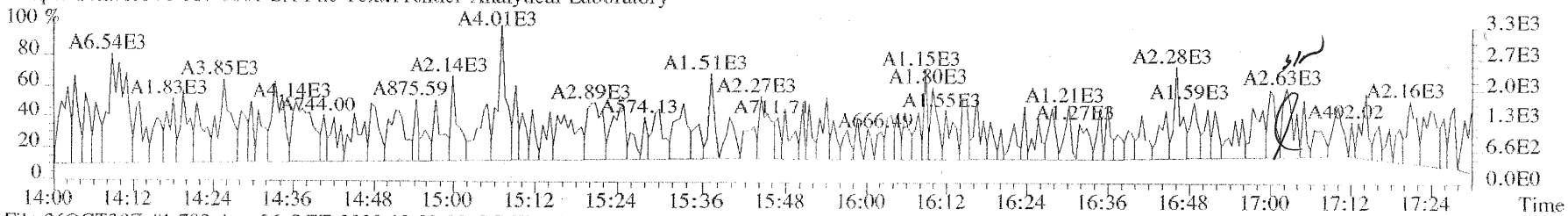
PCB-188	*	*	n	NotFnd	1.16	*	350	324	10.0			
13C-PCB-188	7.68e+06	1.10	y	39:50	0.93	7460				74.6	7.62e+05	6.88e+05
PCB-184	5.01e+06	1.06	y	40:16	1.25	5670	-	-	*			
PCB-179	1.07e+05	1.02	y	41:00	1.20	125	-	-	*			
PCB-176	3.18e+04	1.09	y	41:28	1.15	38.9	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	350	324	9.19			
PCB-178	4.98e+04	1.08	y	42:29	0.85	82.4	-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*	350	324	12.1			
PCB-187	2.02e+05	1.13	y	42:59	0.95	300	-	-	*		Co-elute PCB 182	
PCB-182	2.02e+05	1.13	y	42:59	0.95	300	-	-	*		Co-elute PCB 187	
PCB-183	1.05e+05	1.09	y	43:19	0.94	156	-	-	*			
PCB-185	*	*	n	NotFnd	0.88	*	350	324	12.3			
PCB-174	1.47e+05	1.15	y	44:16	0.87	239	-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*	350	324	12.2			
PCB-177	9.25e+04	1.04	y	44:31	0.82	159	-	-	*			
PCB-171	5.48e+04	1.16	y	44:48	0.87	88.9	-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*	350	324	13.5			
PCB-172	1.10e+05	1.16	y	45:34	0.83	187	-	-	*			
PCB-192	3.68e+06	1.10	y	45:45	1.09	4770	-	-	*			
PCB-180	1.96e+05	1.01	y	45:55	0.85	327	-	-	*			
PCB-193	2.74e+04	1.11	y	46:05	1.17	32.9	-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*	350	324	9.56			
PCB-170	7.99e+04	1.03	y	47:11	0.85	133	-	-	*			
PCB-190	3.68e+04	1.07	y	47:21	1.13	45.8	-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*	350	324	8.61			
13C-PCB-189	6.50e+06	1.09	y	48:31	0.88	6610				66.1	8.90e+05	7.97e+05
PCB-202	*	*	n	NotFnd	1.08	*	324	304	15.1			
PCB-201	*	*	n	NotFnd	1.18	*	324	304	13.8			
PCB-204	6.36e+06	0.92	y	45:32	1.18	10600	-	-	*			
PCB-197	4.19e+04	0.88	y	45:47	1.23	67.1	-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*	324	304	13.5			
PCB-198	*	*	n	NotFnd	0.88	*	324	304	18.7			
PCB-199	2.33e+04	0.92	y	47:47	0.90	50.9	-	-	*			
PCB-203	3.84e+04	0.83	y	48:02	0.96	78.3	-	-	*		Co-elute PCB 196	
PCB-196	3.84e+04	0.83	y	48:02	0.96	78.3	-	-	*		Co-elute PCB 203	
13C-PCB-202	5.09e+06	0.91	y	44:56	0.68	6720				67.2	4.52e+05	5.09e+05
13C-PCB-178	5.96e+06	1.10	y	42:28	0.71	7580				75.8	5.48e+05	4.97e+05
13C-PCB-138	1.11e+07	1.31	y	41:42	-	47.9						
PCB-195	*	*	n	NotFnd	0.85	*	950	1220	19.0			
PCB-194	7.47e+04	0.88	y	49:55	0.96	66.9	-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*	950	1220	14.1			
13C-PCB-205	1.16e+07	0.90	y	50:09	1.22	9330				93.3	1.58e+06	1.79e+06
PCB-208	*	*	n	NotFnd	1.12	*	780	800	13.1			
13C-PCB-208	9.03e+06	0.82	y	49:13	1.00	8800				88.0	1.20e+06	1.50e+06
PCB-207	5.13e+04	1.42	y	49:32	1.24	54.6	-	-	*			
PCB-206	*	*	n	NotFnd	1.15	*	780	800	19.2			
13C-PCB-206	6.09e+06	0.81	y	51:21	0.77	7760				77.6	7.88e+05	1.01e+06
PCB-209	4.16e+04	1.21	y	52:32	1.24	60.2	-	-	*			
13C-PCB-209	5.58e+06	1.24	y	52:33	0.79	6910				69.1	8.27e+05	6.31e+05
13C-PCB-194	1.02e+07	0.92	y	49:54	-	41.9						

Analyst: _____ Date: 10/28/20

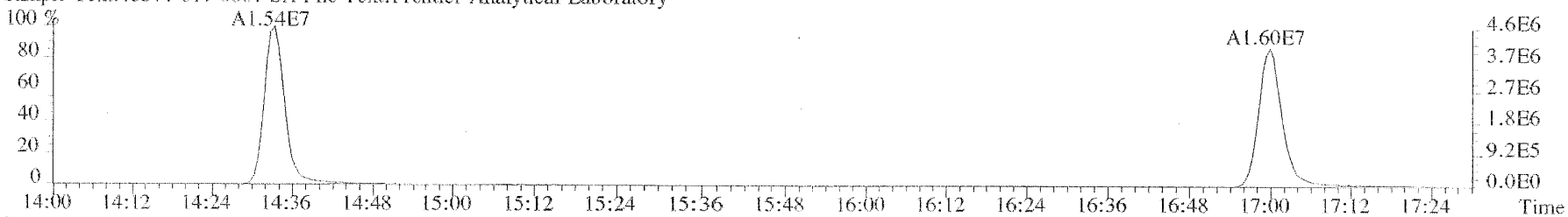
File:26OCT20Z #1-783 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



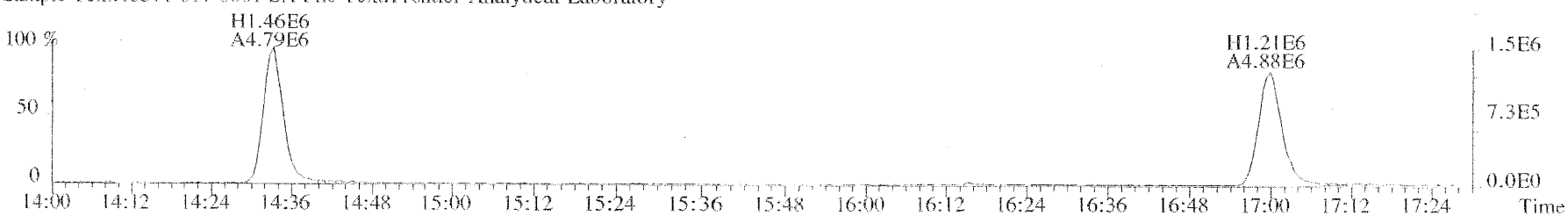
File:26OCT20Z #1-783 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



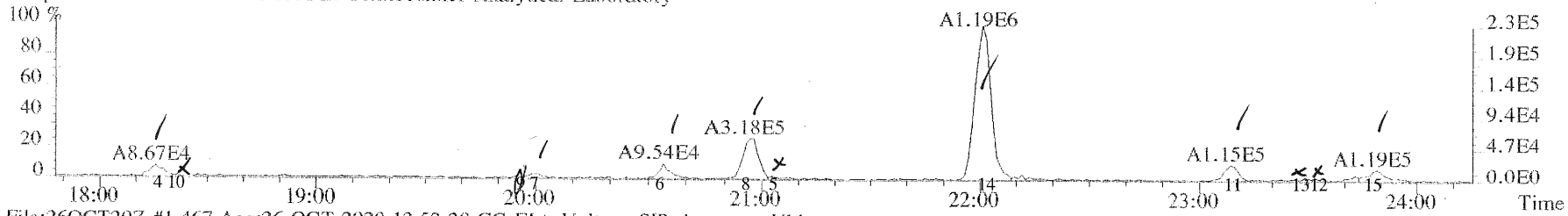
File:26OCT20Z #1-783 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



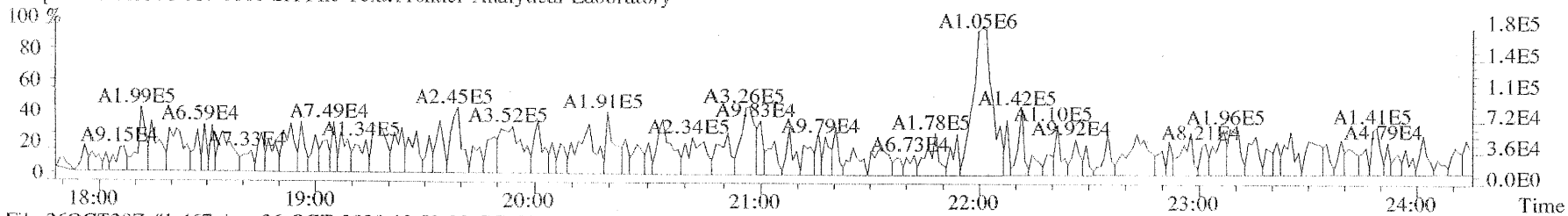
File:26OCT20Z #1-783 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



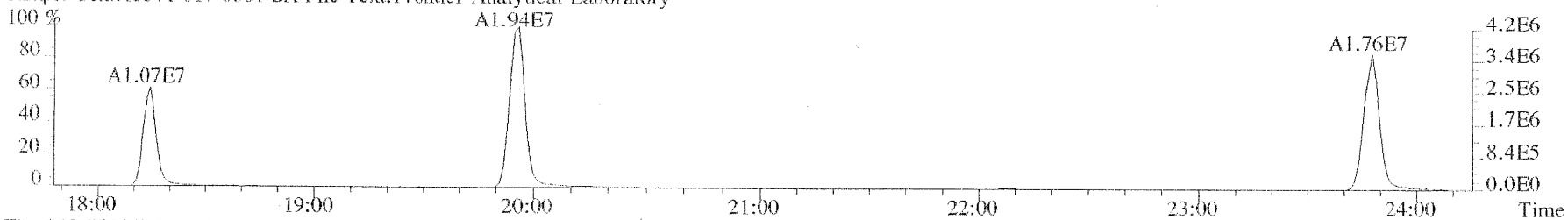
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



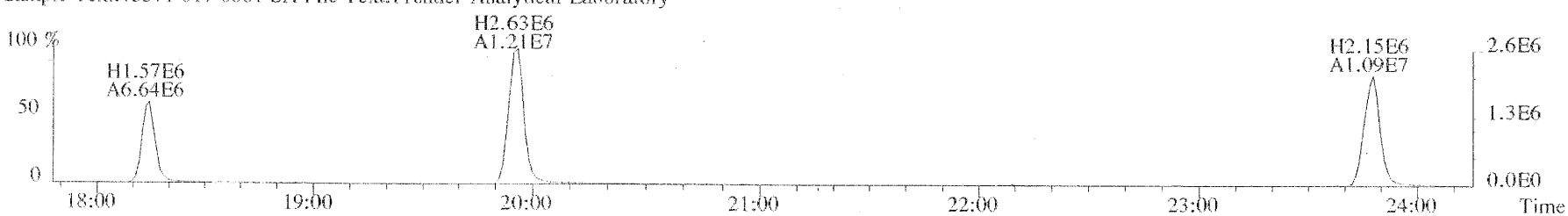
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



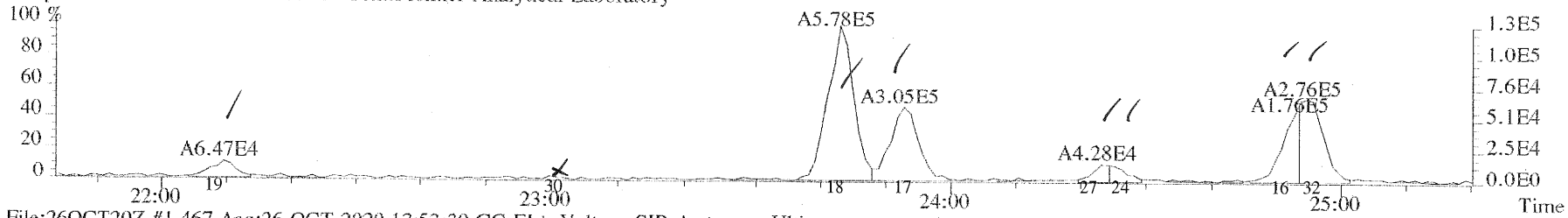
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



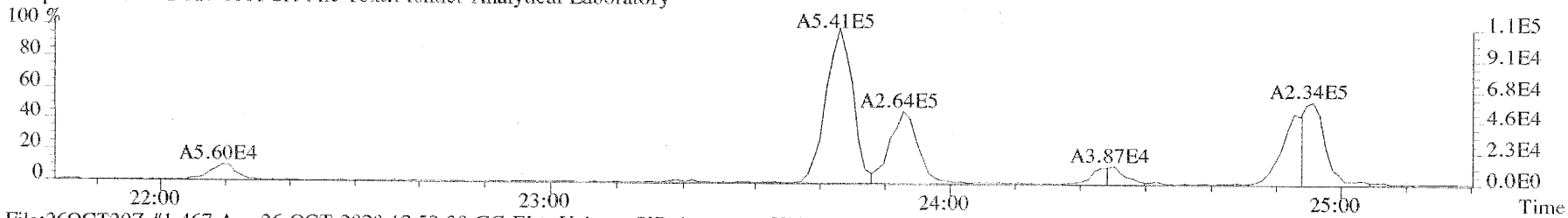
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



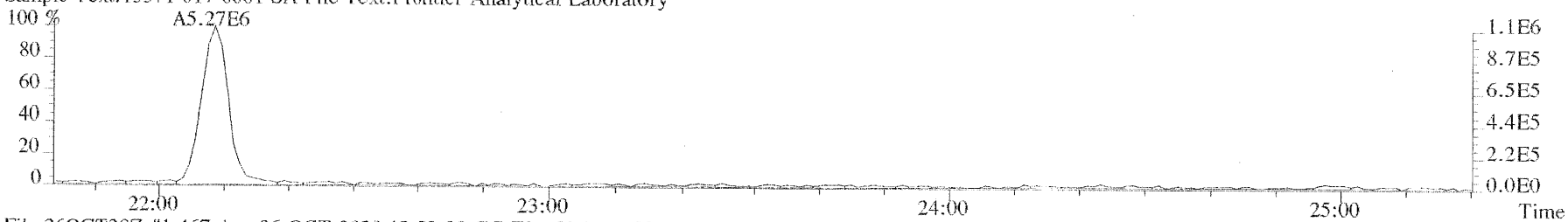
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



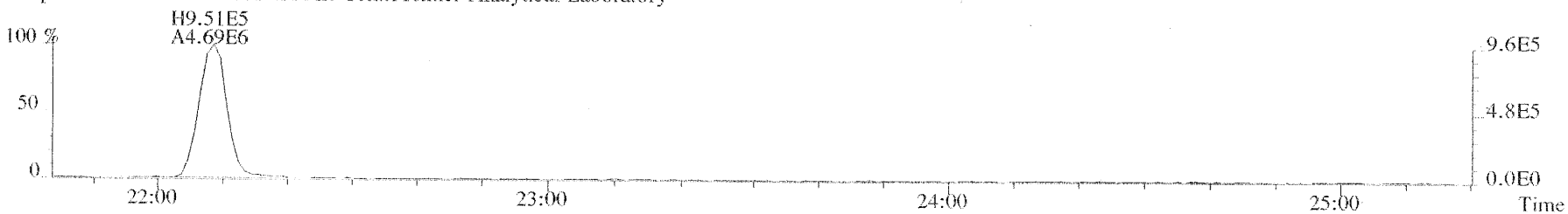
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



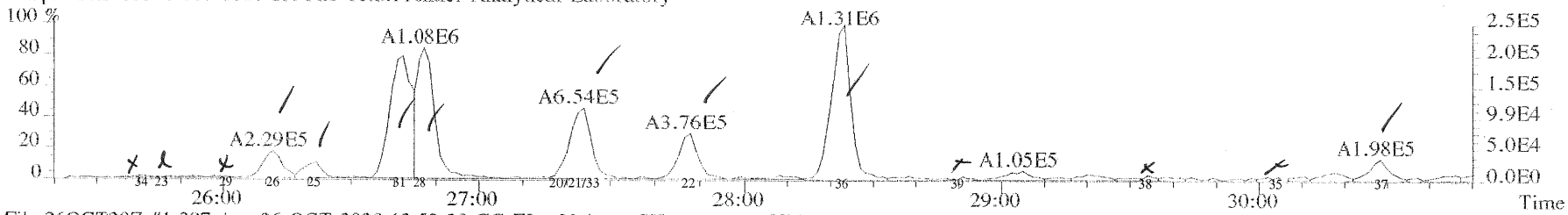
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



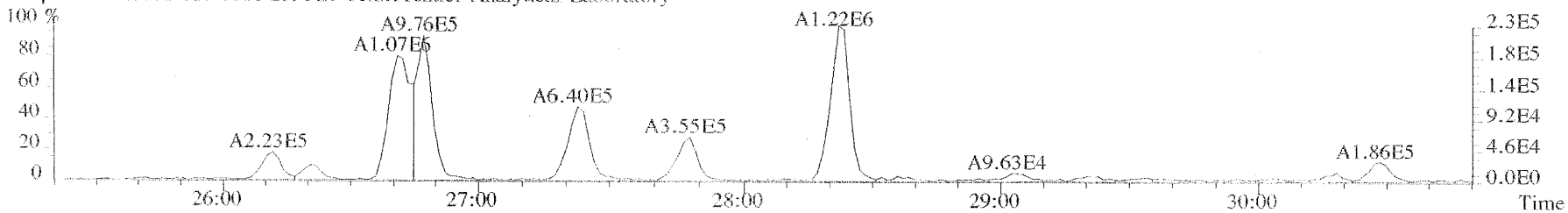
File:26OCT20Z #1-467 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



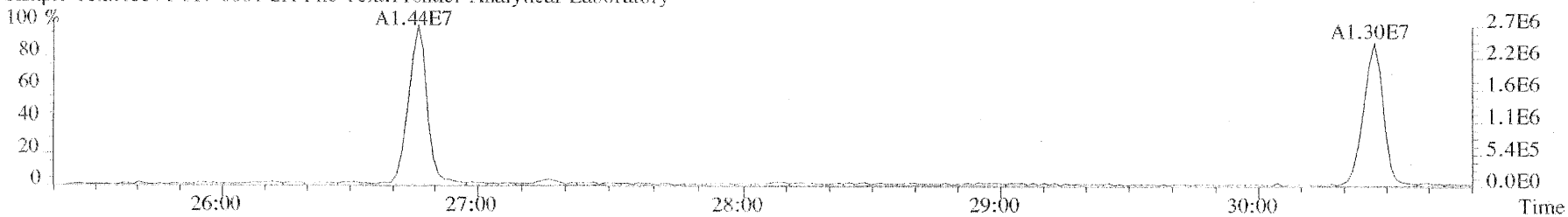
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



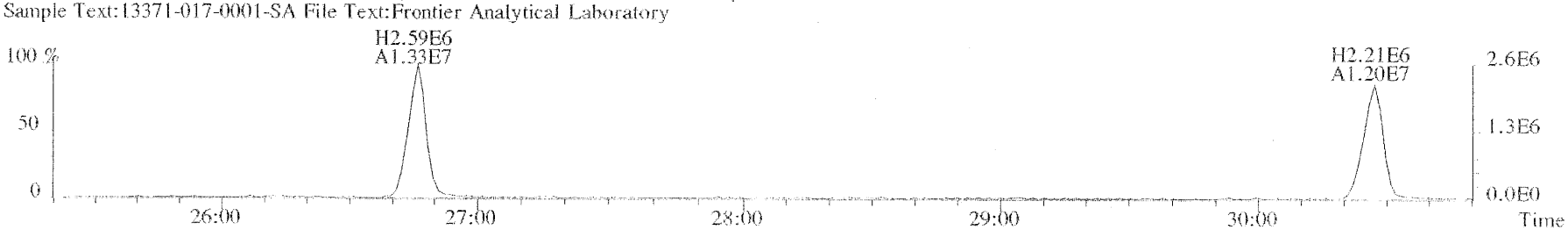
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



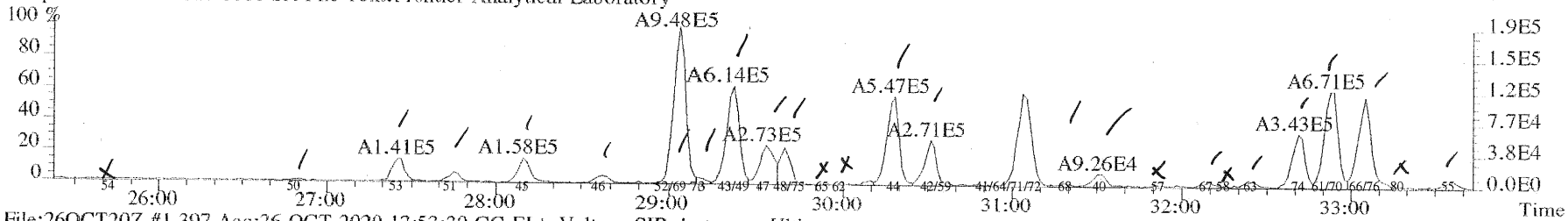
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



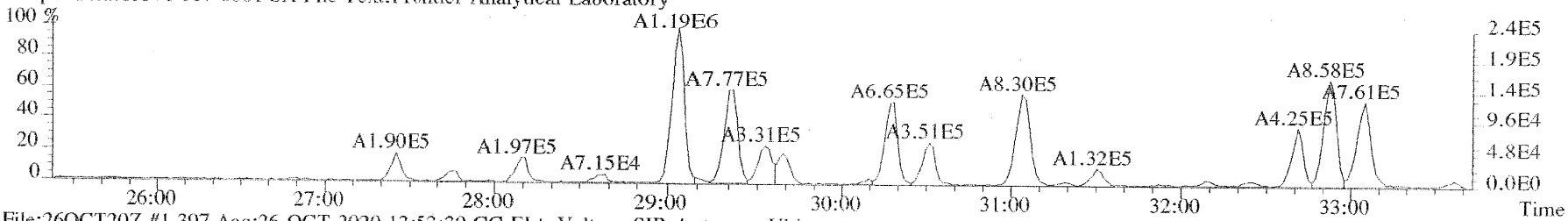
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



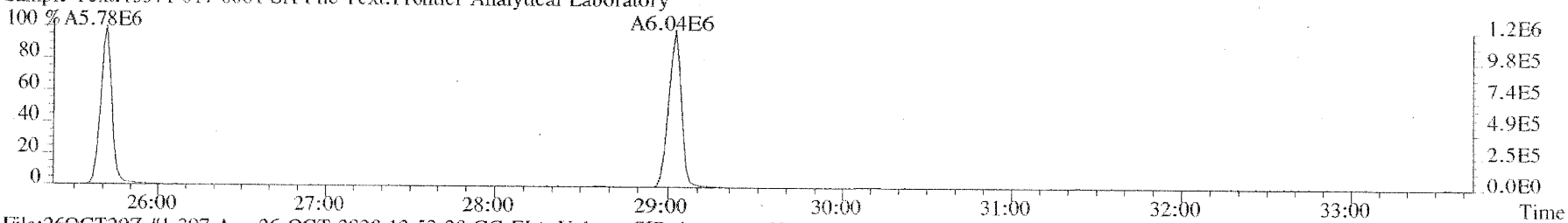
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



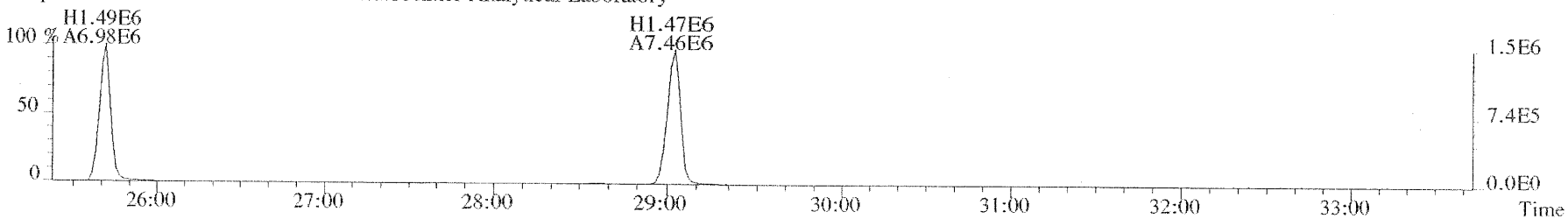
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



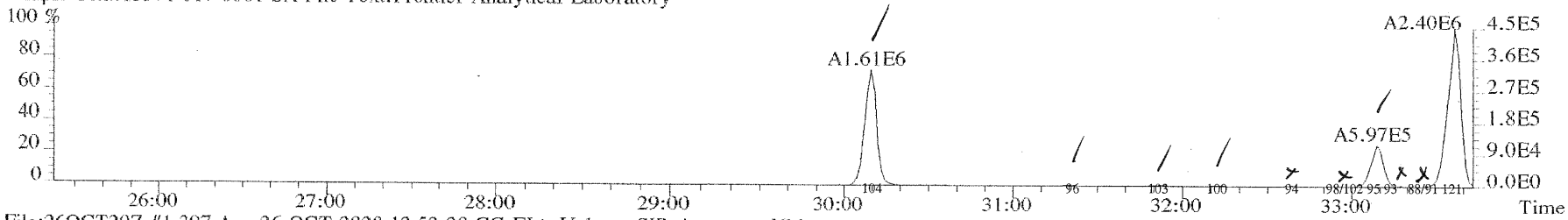
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



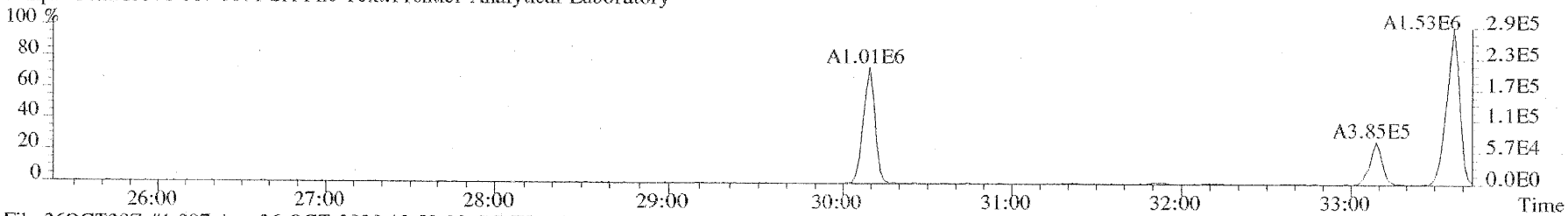
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



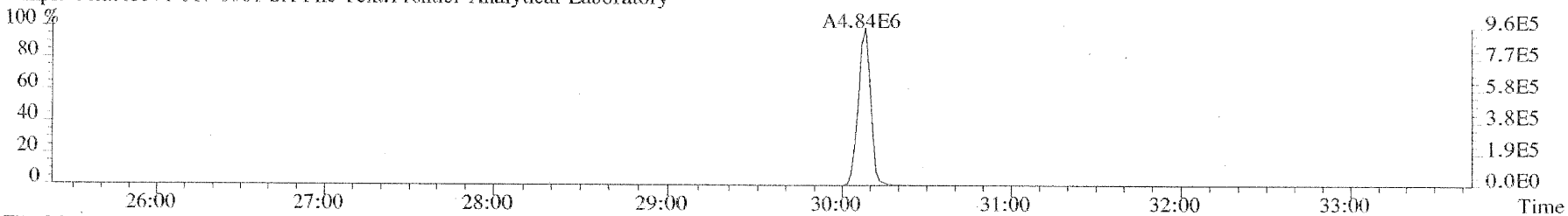
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



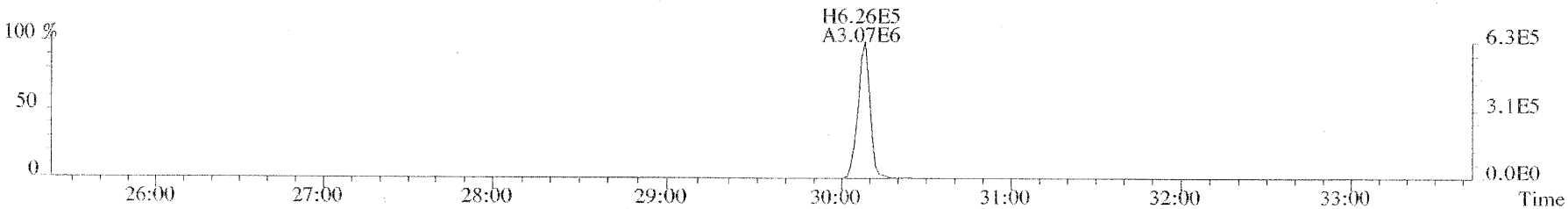
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



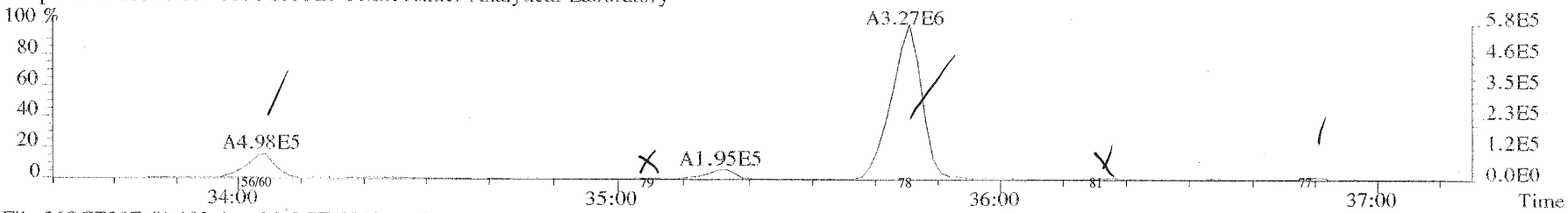
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



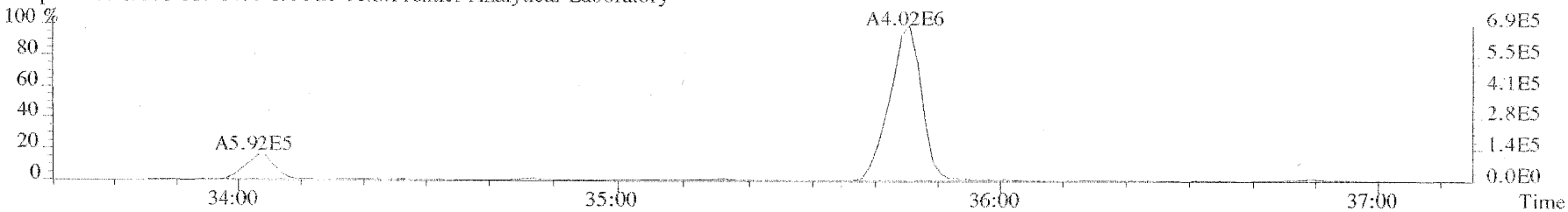
File:26OCT20Z #1-397 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



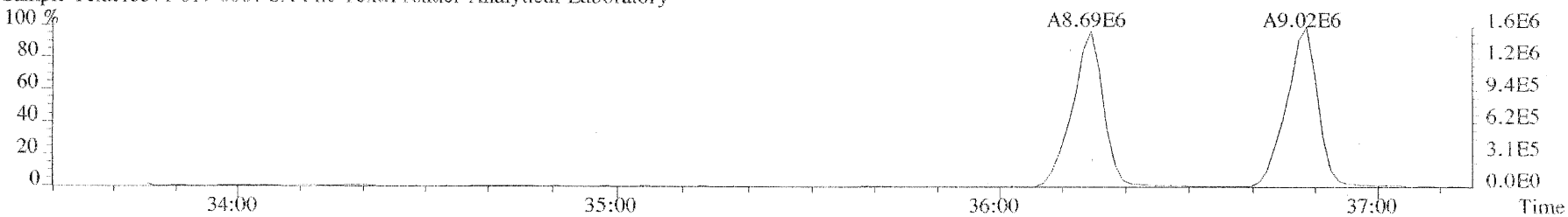
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



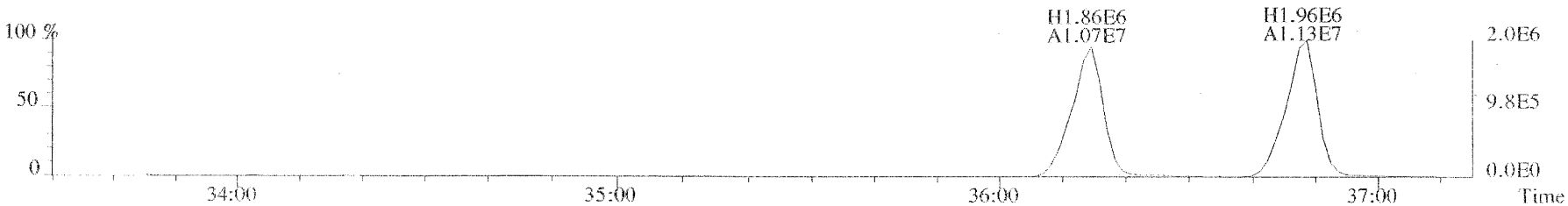
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



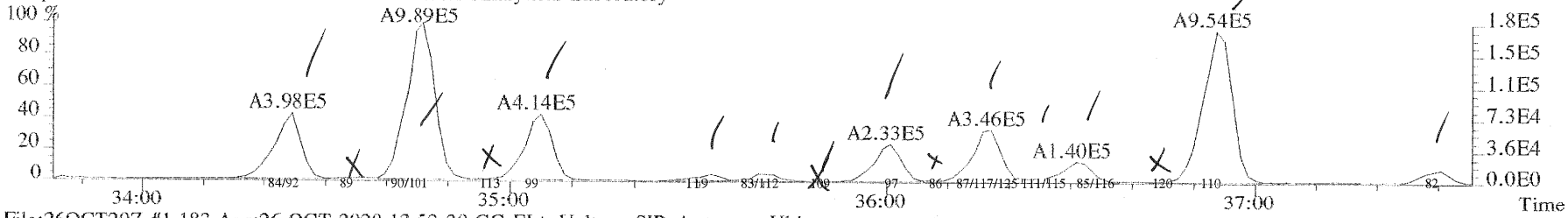
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



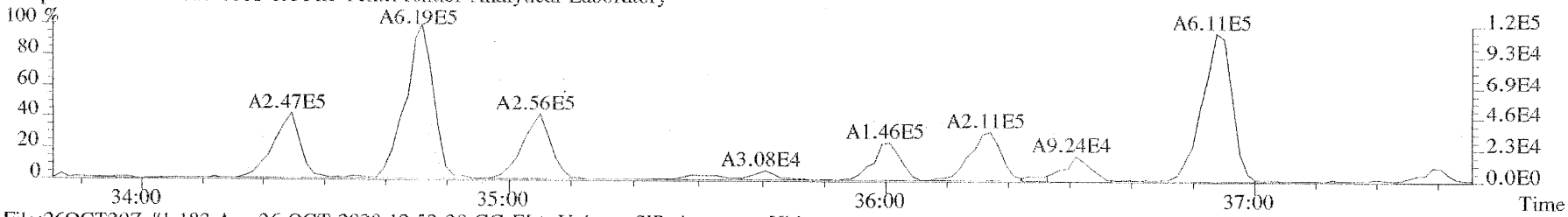
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



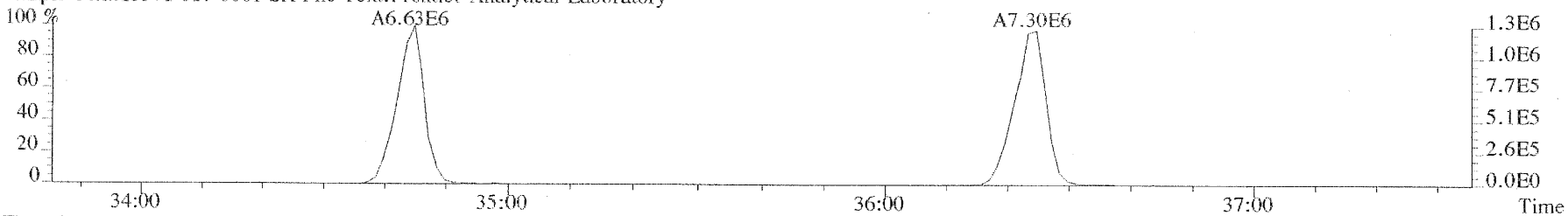
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



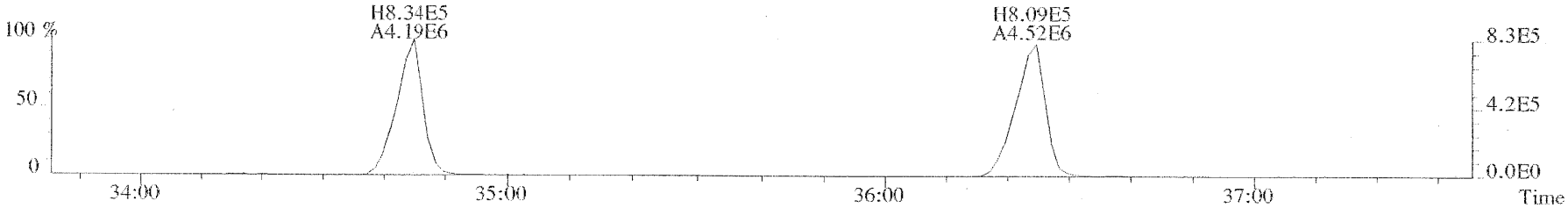
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



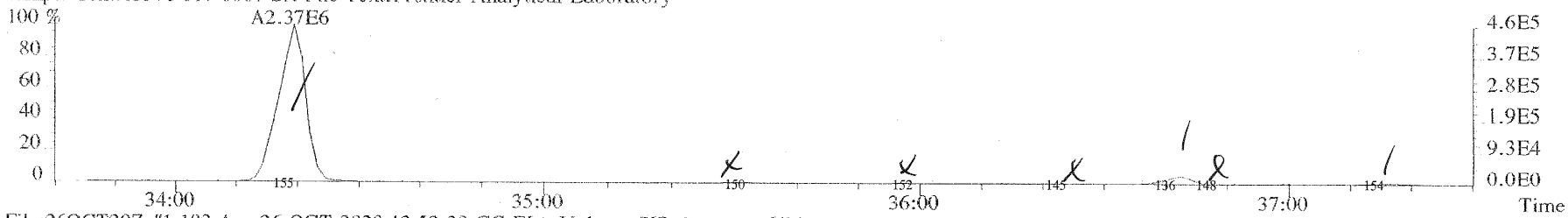
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory

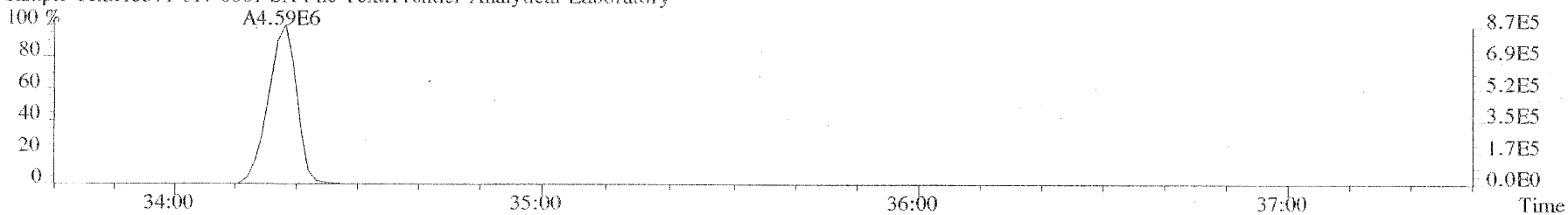


File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory

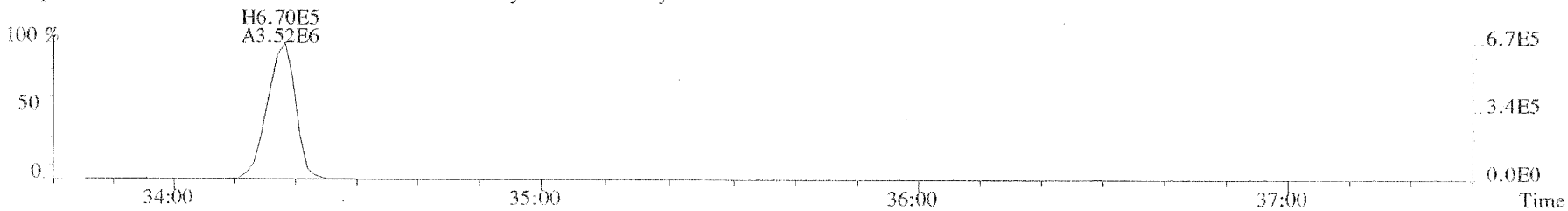


File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory

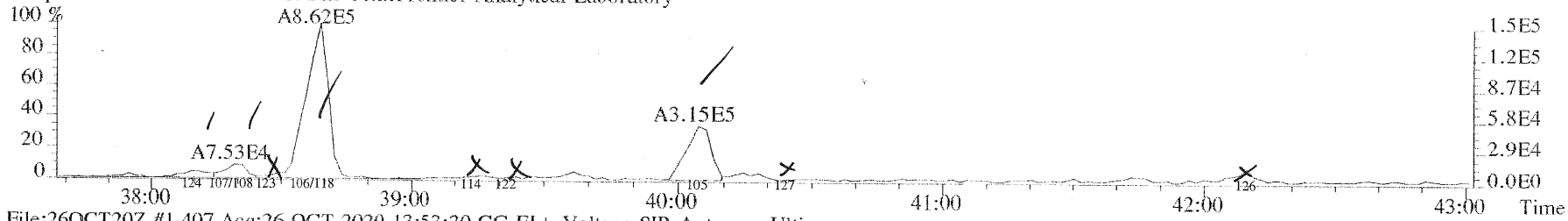
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



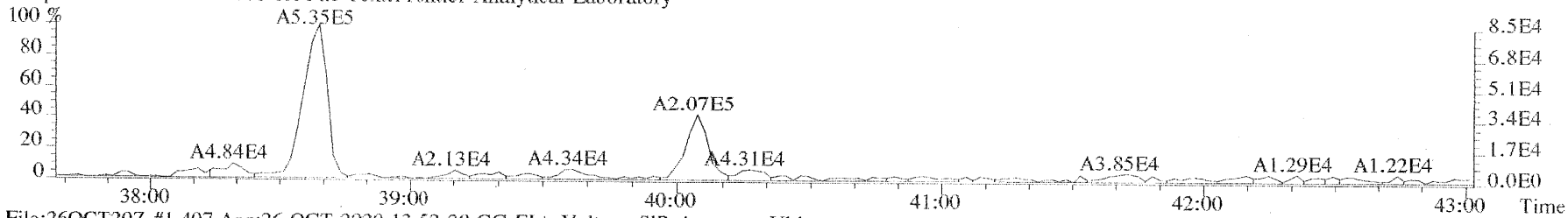
File:26OCT20Z #1-183 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



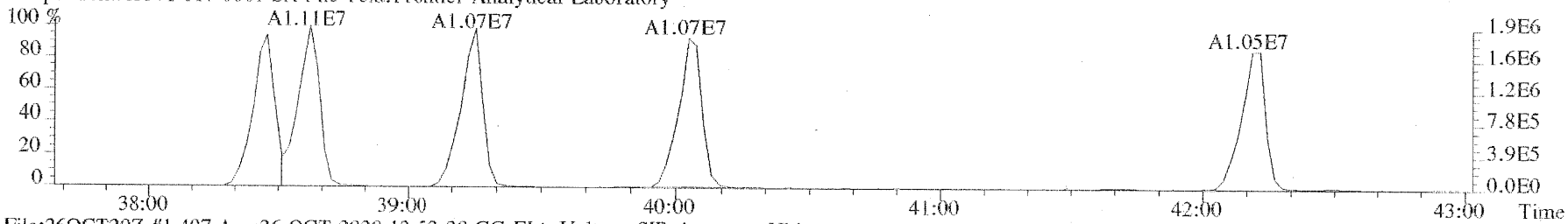
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



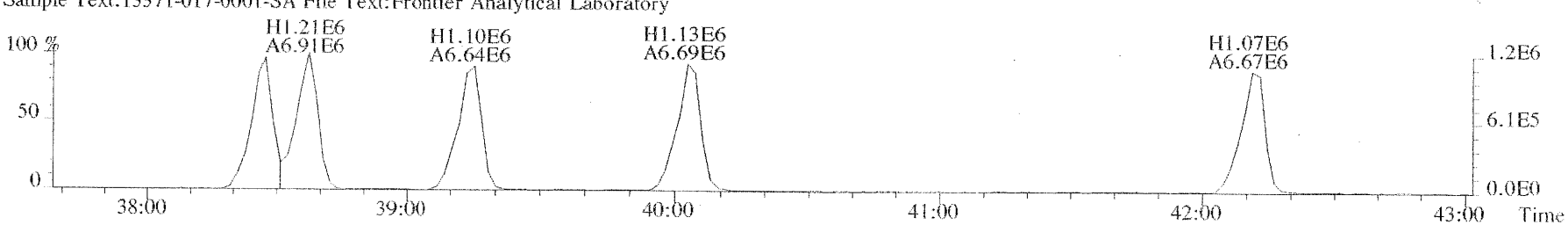
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



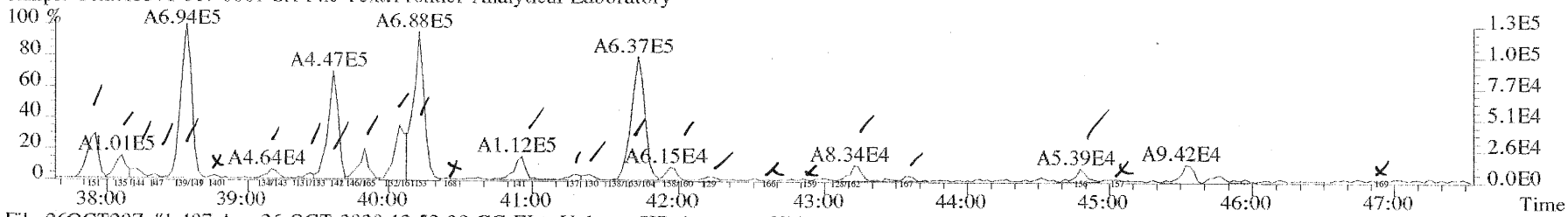
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



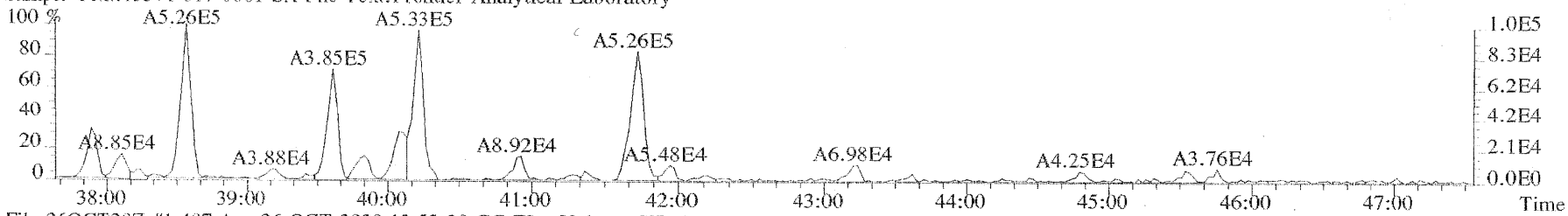
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



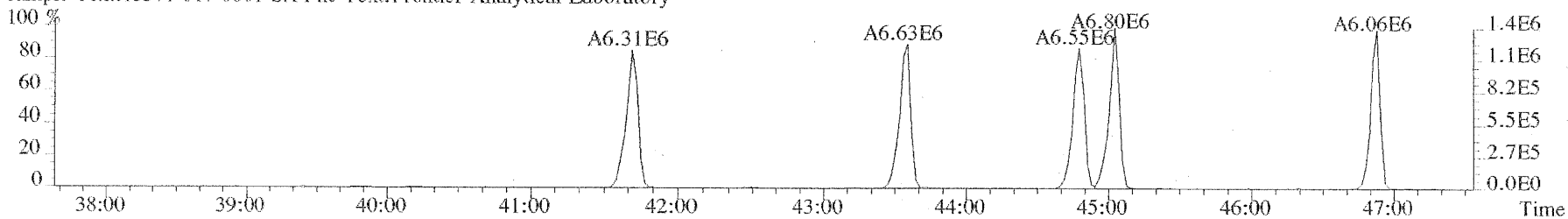
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



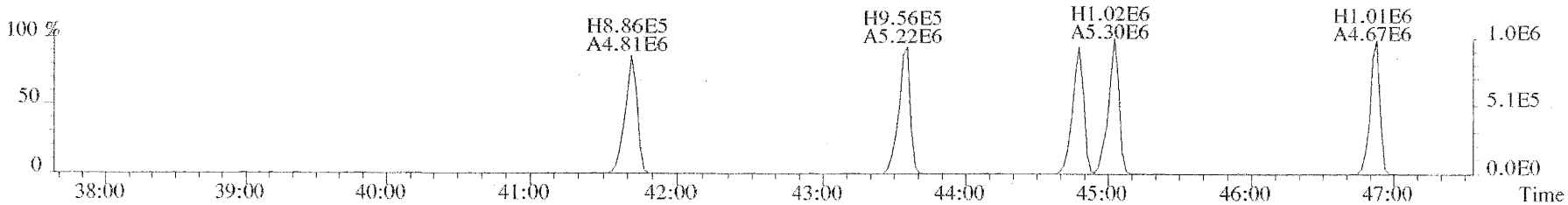
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



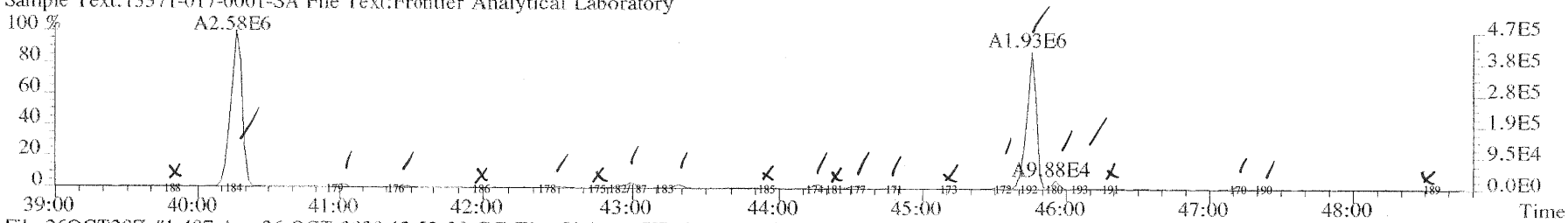
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



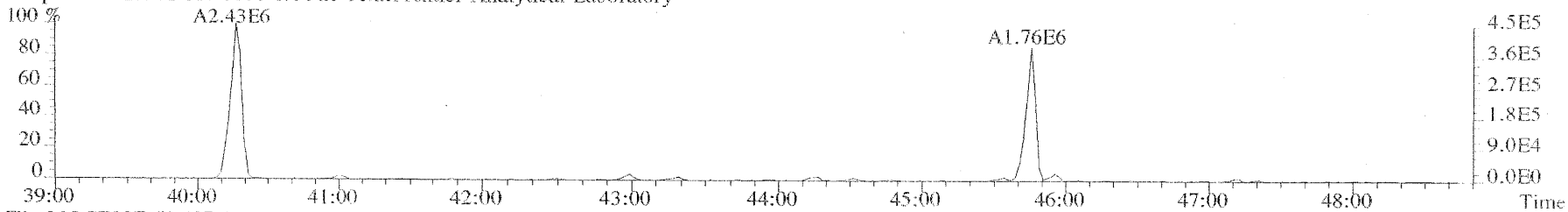
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



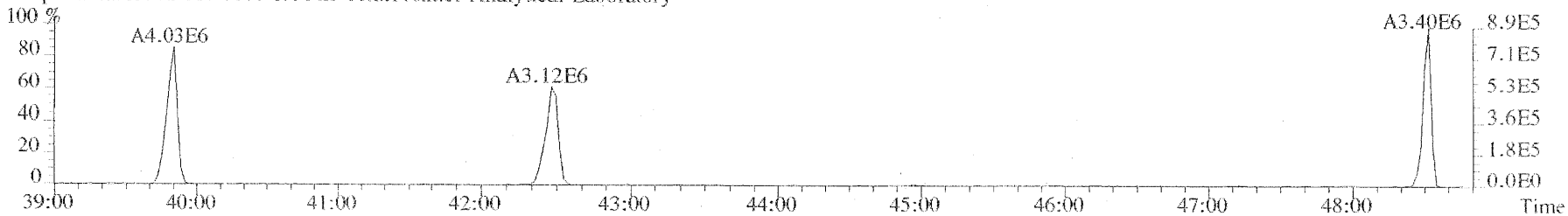
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



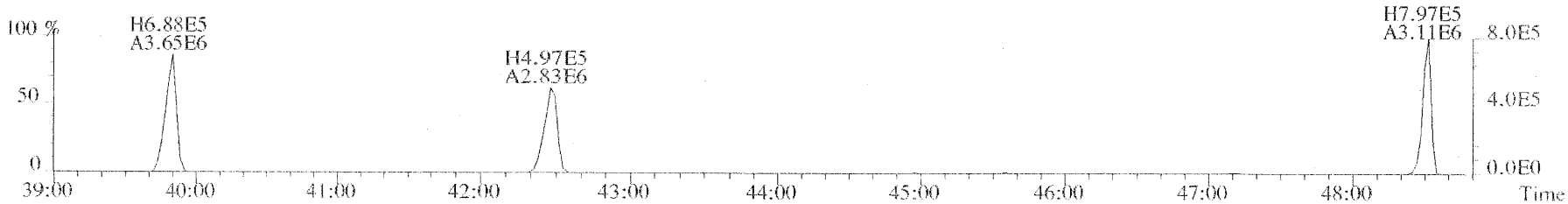
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



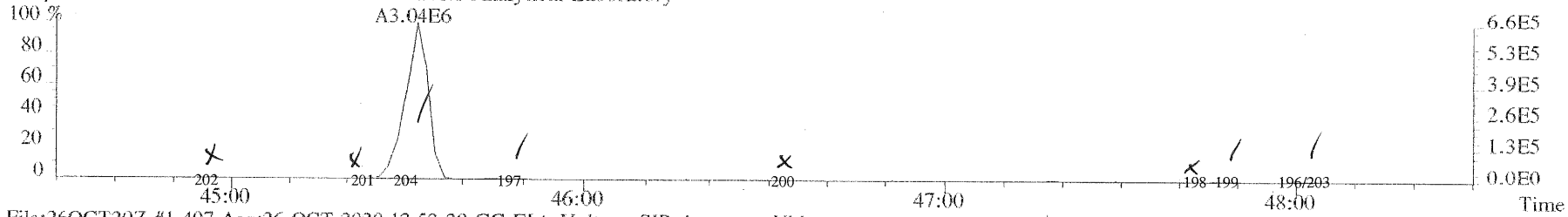
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



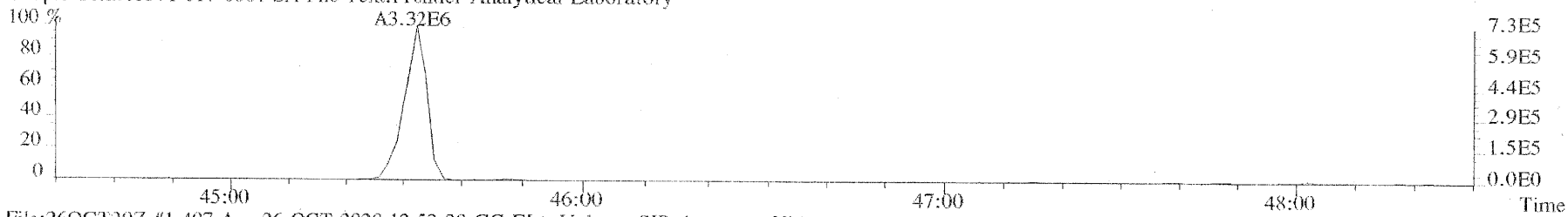
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



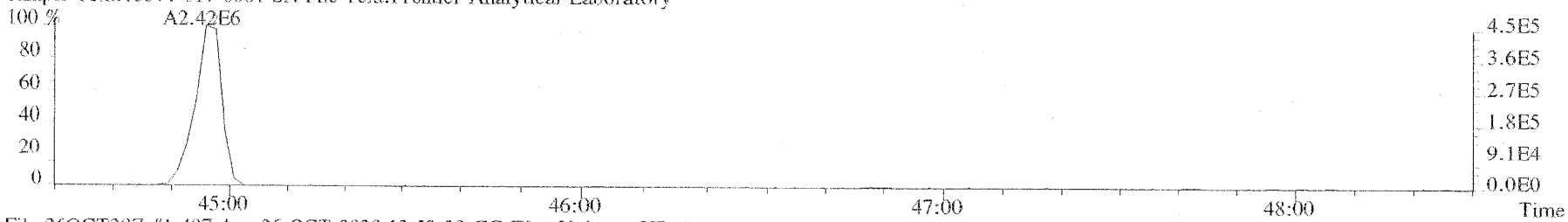
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



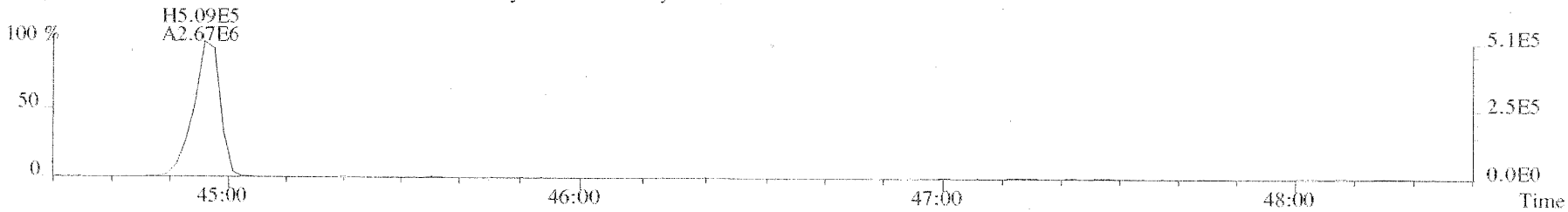
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



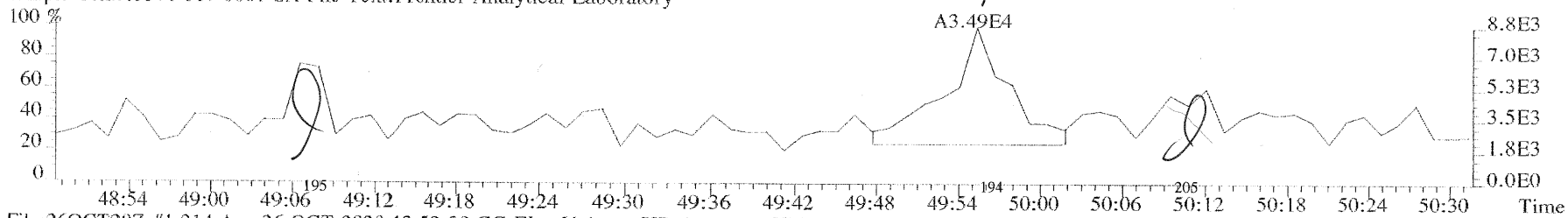
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



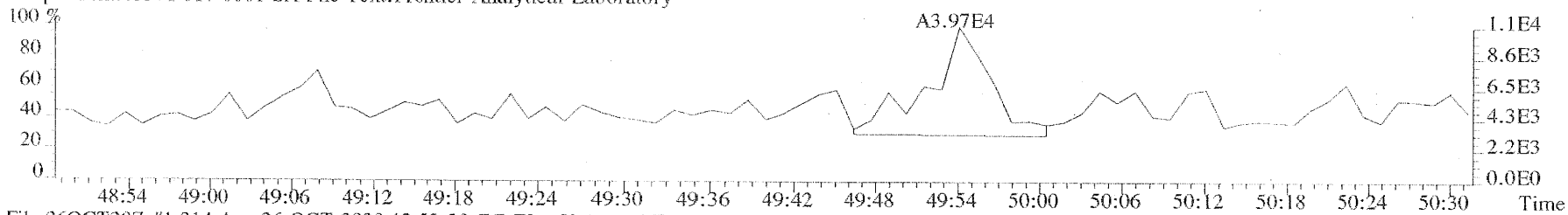
File:26OCT20Z #1-407 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



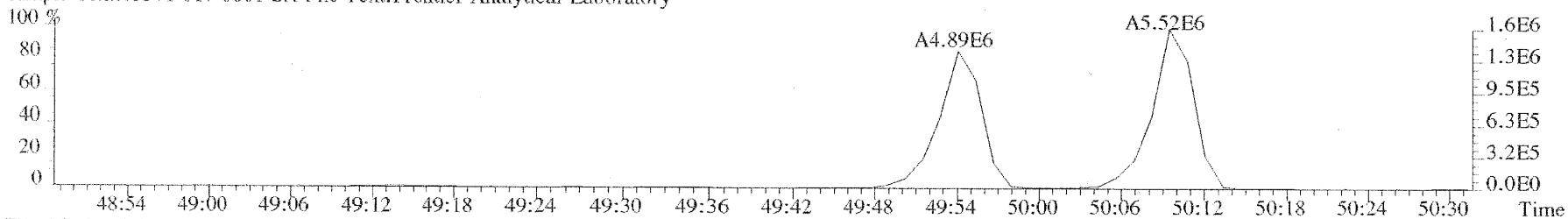
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



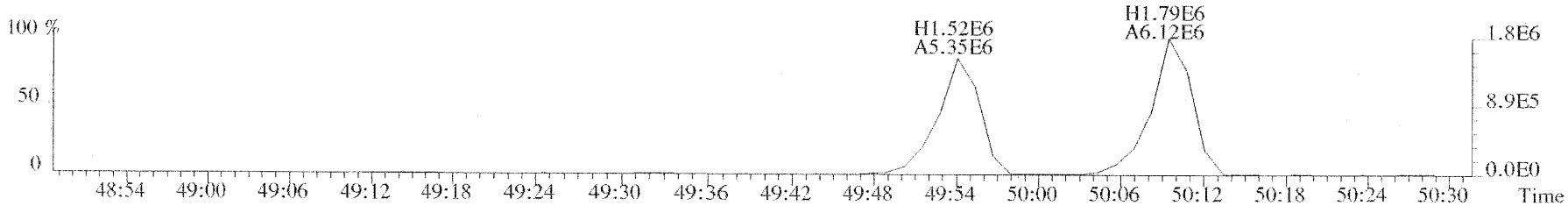
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



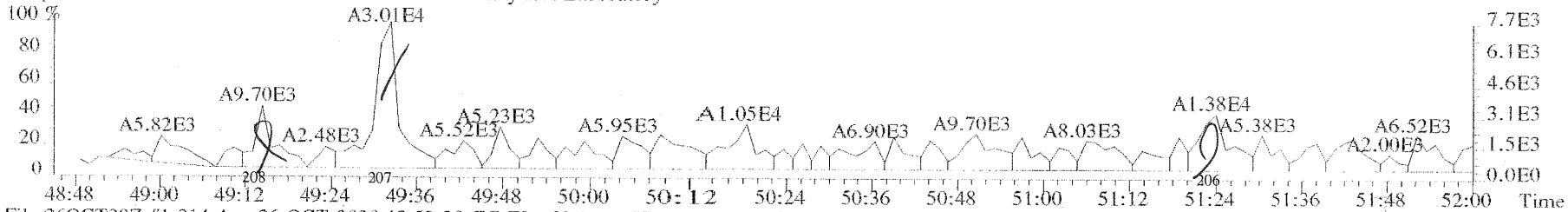
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



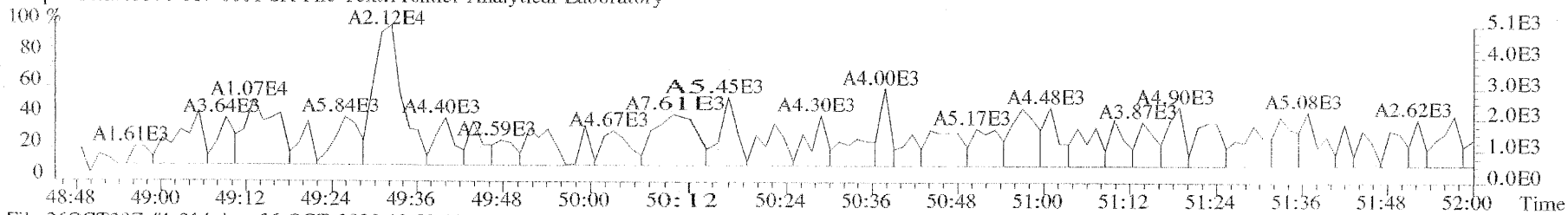
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



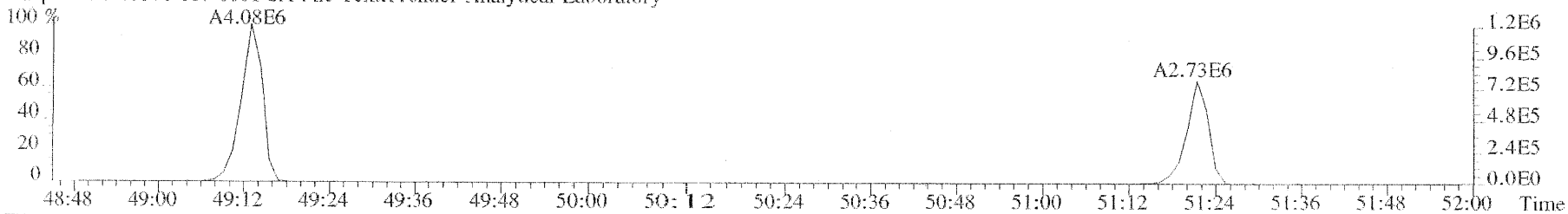
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



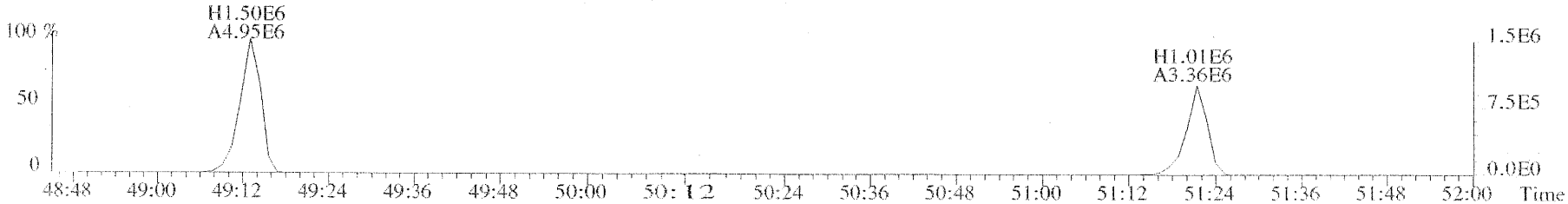
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



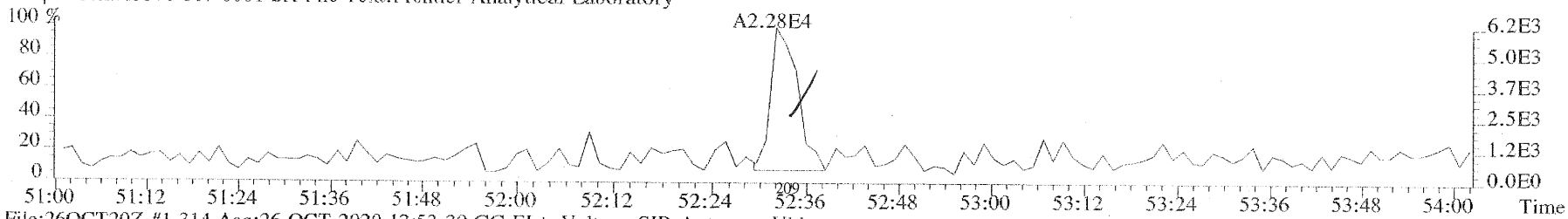
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



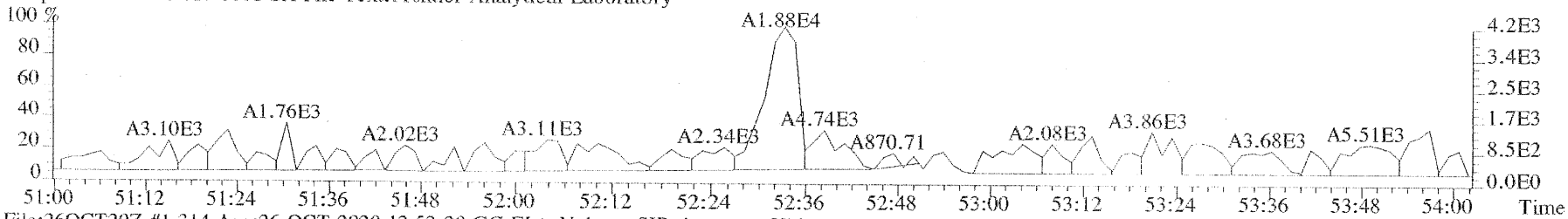
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



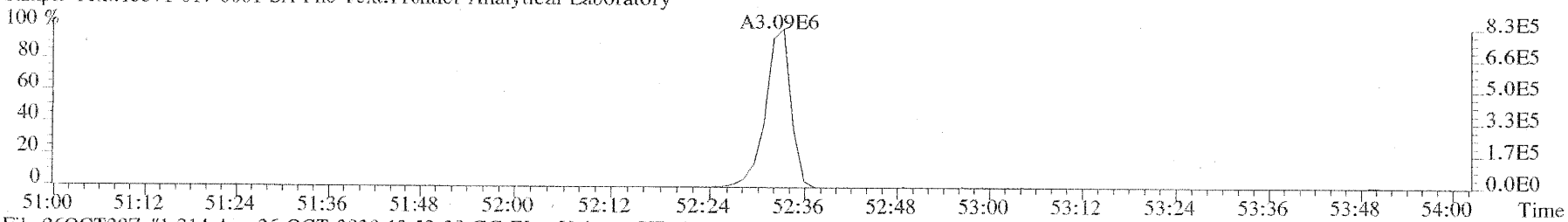
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



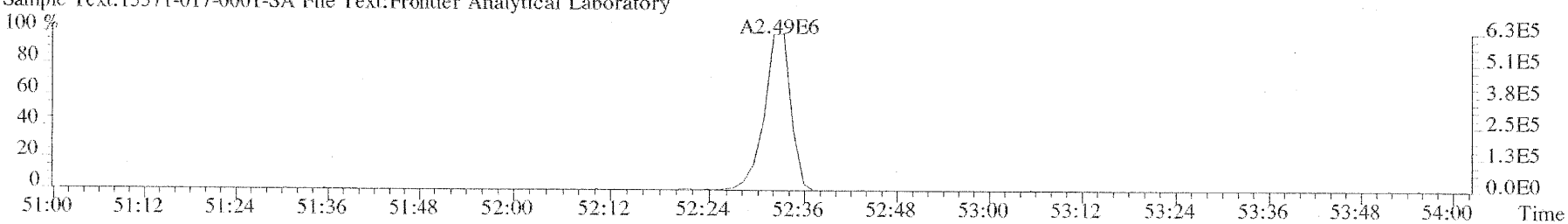
File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 13:53:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-017-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13371-018-0001-SA Filename: 26OCT20Z Sam:6 Acquired: 26-OCT-20 14:51:51 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SC-ENR+AC-CC-S010-LONG ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.30	*		1300	1230	4.52			
13C-PCB-1	3.16e+07	3.30 y	14:34	0.83	8250					82.5	8.31e+06	2.51e+06
PCB-2	*	* n	NotFnd	1.33	*		1300	1230	4.59			
PCB-3	*	* n	NotFnd	1.34	*		1300	1230	4.75			
13C-PCB-3	3.24e+07	3.31 y	17:00	0.80	8720					87.2	7.63e+06	2.29e+06
PCB-4	2.60e+05	1.56 y	18:16	1.01	93.6		-	-	*			
PCB-10	*	* n	NotFnd	1.43	*		520	3540	7.22			
13C-PCB-4	2.75e+07	1.60 y	18:15	0.64	9360					93.6	5.02e+06	2.99e+06
PCB-9	8.35e+04	1.50 y	19:56	1.34	17.1	J	-	-	*			
PCB-7	5.77e+04	1.51 y	19:59	1.40	11.2	J	-	-	*			
PCB-6	3.10e+05	1.48 y	20:34	1.35	62.9		-	-	*			
PCB-8	1.24e+06	1.62 y	20:56	1.33	255		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		520	3540	7.61			
PCB-14	4.24e+06	1.37 y	22:00	1.37	846		-	-	*			
PCB-11	2.31e+05	1.50 y	23:07	1.34	47.2		-	-	*			
PCB-13	*	* n	NotFnd	1.39	*		520	3540	7.45			
PCB-12	*	* n	NotFnd	1.30	*		520	3540	7.97			
PCB-15	3.98e+05	1.37 y	23:47	1.24	70.2		-	-	*			
13C-PCB-15	4.57e+07	1.61 y	23:46	1.02	9630					96.3	7.14e+06	4.34e+06
PCB-19	2.10e+05	1.17 y	22:08	1.31	99.6		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2350	572	8.84			
PCB-18	2.08e+06	1.08 y	23:41	1.36	950		-	-	*			
PCB-17	9.46e+05	1.13 y	23:51	1.48	396		-	-	*			
PCB-27	1.37e+05	1.16 y	24:22	1.93	44.1		-	-	*			
PCB-24	1.37e+05	1.16 y	24:22	1.97	43.0		-	-	*			
PCB-16	5.88e+05	1.19 y	24:52	1.66	220		-	-	*			
PCB-32	9.04e+05	1.03 y	24:54	1.65	341		-	-	*			
13C-PCB-19	1.61e+07	1.06 y	22:07	0.40	8710					87.1	2.20e+06	1.94e+06
13C-PCB-9	4.63e+07	1.62 y	19:55	-	85.5							
PCB-34	*	* n	NotFnd	1.16	*		1910	1980	9.47			
PCB-23	*	* n	NotFnd	1.15	*		1910	1980	9.54			
PCB-29	*	* n	NotFnd	1.19	*		1910	1980	9.15			
PCB-26	7.61e+05	1.02 y	26:09	1.17	158		-	-	*			
PCB-25	4.41e+05	1.08 y	26:19	1.14	93.6		-	-	*			
PCB-31	3.62e+06	1.06 y	26:38	1.18	743		-	-	*			
PCB-28	3.99e+06	1.07 y	26:45	1.34	720		-	-	*			
PCB-20	2.47e+06	1.09 y	27:21	1.12	535		-	-	*		Co-elute PCB 21/33	
PCB-21	2.47e+06	1.09 y	27:21	1.12	535		-	-	*		Co-elute PCB 20/33	
PCB-33	2.47e+06	1.09 y	27:21	1.12	535		-	-	*		Co-elute PCB 20/21	
PCB-22	1.29e+06	1.10 y	27:45	1.22	257		-	-	*			
PCB-36	5.23e+06	1.07 y	28:19	1.17	1080		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1910	1980	8.97			
PCB-38	*	* n	NotFnd	1.28	*		1910	1980	8.54			
PCB-35	*	* n	NotFnd	1.22	*		1910	1980	8.98			
PCB-37	6.38e+05	1.14 y	30:25	1.20	128		-	-	*			
13C-PCB-37	4.13e+07	1.07 y	30:25	1.83	9960					99.6	4.60e+06	4.28e+06

PCB-54	*	*	n	NotFnd	1.30	*		860	990	6.05			
PCB-50	3.79e+04	0.73	y	26:46	1.04	16.1	J	-	-	*			
PCB-53	5.14e+05	0.75	y	27:24	1.02	222		-	-	*			
PCB-51	2.20e+05	0.73	y	27:43	1.08	89.5		-	-	*			
PCB-45	4.18e+05	0.79	y	28:08	0.91	203		-	-	*			
PCB-46	1.57e+05	0.81	y	28:35	0.89	77.6		-	-	*			
PCB-52	2.56e+06	0.83	y	29:01	1.15	976		-	-	*		Co-elute PCB 69	
PCB-69	2.56e+06	0.83	y	29:01	1.15	976		-	-	*		Co-elute PCB 52	
PCB-73	1.09e+05	0.81	y	29:07	1.28	37.7		-	-	*			
PCB-43	1.75e+06	0.76	y	29:18	1.00	769		-	-	*		Co-elute PCB 49	
PCB-49	1.75e+06	0.76	y	29:18	1.00	769		-	-	*		Co-elute PCB 43	
PCB-47	6.71e+05	0.76	y	29:30	1.03	286		-	-	*			
PCB-48	5.82e+05	0.81	y	29:36	1.34	191		-	-	*		Co-elute PCB 75	
PCB-75	5.82e+05	0.81	y	29:36	1.34	191		-	-	*		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.36	*		860	990	5.78			
PCB-62	*	*	n	NotFnd	1.35	*		860	990	5.83			
PCB-44	1.55e+06	0.80	y	30:14	0.90	757		-	-	*			
PCB-42	8.31e+05	0.78	y	30:28	1.12	325		-	-	*		Co-elute PCB 59	
PCB-59	8.31e+05	0.78	y	30:28	1.12	325		-	-	*		Co-elute PCB 42	
PCB-72	1.95e+06	0.79	y	31:01	1.26	683		-	-	*		Co-elute PCB 41/71/64	
PCB-41	1.95e+06	0.79	y	31:01	1.26	683		-	-	*		Co-elute PCB 72/71/64	
PCB-71	1.95e+06	0.79	y	31:01	1.26	683		-	-	*		Co-elute PCB 72/41/64	
PCB-64	1.95e+06	0.79	y	31:01	1.26	683		-	-	*		Co-elute PCB 72/41/71	
PCB-68	5.85e+04	0.69	y	31:15	1.47	17.5	J	-	-	*			
PCB-40	2.64e+05	0.77	y	31:28	0.80	146		-	-	*			
PCB-57	*	*	n	NotFnd	1.38	*		860	990	5.70			
PCB-67	9.59e+04	0.72	y	32:06	1.39	30.3		-	-	*			
PCB-58	*	*	n	NotFnd	1.37	*		860	990	5.74			
PCB-63	1.11e+05	0.68	y	32:21	1.41	34.6		-	-	*			
PCB-74	9.58e+05	0.80	y	32:39	1.38	305		-	-	*			
PCB-61	1.93e+06	0.78	y	32:50	1.26	673		-	-	*		Co-elute PCB 70	
PCB-70	1.93e+06	0.78	y	32:50	1.26	673		-	-	*		Co-elute PCB 61	
PCB-76	1.81e+06	0.81	y	33:01	1.41	562		-	-	*		Co-elute PCB 66	
PCB-66	1.81e+06	0.81	y	33:01	1.41	562		-	-	*		Co-elute PCB 76	
PCB-80	5.05e+04	0.73	y	33:14	1.56	14.2	J	-	-	*			
PCB-55	1.85e+05	0.83	y	33:34	1.33	61.3		-	-	*			
13C-PCB-54	2.28e+07	0.82	y	25:39	1.12	8930					89.3	2.62e+06	3.26e+06
PCB-104	5.73e+06	1.60	y	30:07	1.20	3510		-	-	*			
PCB-96	2.33e+04	1.36	y	31:18	1.15	14.9	J	-	-	*			
PCB-103	3.57e+04	1.49	y	31:49	0.99	26.6		-	-	*			
PCB-100	3.09e+04	1.41	y	32:08	0.97	23.4		-	-	*			
PCB-94	*	*	n	NotFnd	0.82	*		364	580	8.86			
PCB-98	*	*	n	NotFnd	0.81	*		364	580	8.94		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.81	*		364	580	8.94		Co-elute PCB 98	
PCB-95	1.09e+06	1.50	y	33:06	0.88	910		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		364	580	8.46			
PCB-88	*	*	n	NotFnd	0.86	*		364	580	8.38		Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.86	*		364	580	8.38		Co-elute PCB 88	
PCB-121	8.47e+06	1.64	y	33:33	1.17	5320		-	-	*			
13C-PCB-104	1.36e+07	1.59	y	30:04	0.79	7550					75.5	2.01e+06	1.25e+06
13C-PCB-28	4.38e+07	1.06	y	26:43	2.03	9520					95.2	6.01e+06	5.50e+06
13C-PCB-52	2.27e+07	0.81	y	29:00	-	88.1							

PCB-56	1.43e+06	0.79	y	34:00	1.15	360		-	-	*		Co-elute PCB 60
PCB-60	1.43e+06	0.79	y	34:00	1.15	360		-	-	*		Co-elute PCB 56
PCB-79	3.76e+04	0.71	y	35:01	1.25	8.75	J	-	-	*		
PCB-78	1.53e+07	0.81	y	35:40	1.20	3690		-	-	*		
PCB-81	8.69e+04	0.74	y	36:12	1.29	20.1		-	-	*		
13C-PCB-81	3.34e+07	0.79	y	36:09	1.82	9610					96.1	3.31e+06 4.18e+06
PCB-77	1.70e+05	0.81	y	36:46	1.13	42.5		-	-	*		
13C-PCB-77	3.54e+07	0.80	y	36:44	1.87	9930					99.3	3.50e+06 4.29e+06
PCB-155	9.73e+06	1.34	y	34:16	1.12	6690		-	-	*		
PCB-150	*	*	n	NotFnd	1.10	*		596	704	9.09		
PCB-152	*	*	n	NotFnd	1.06	*		596	704	9.44		
PCB-145	*	*	n	NotFnd	1.07	*		596	704	9.35		
PCB-136	2.49e+05	1.20	y	36:38	1.08	177		-	-	*		
PCB-148	*	*	n	NotFnd	0.76	*		596	704	13.2		
PCB-154	6.34e+04	1.37	y	37:11	0.93	52.4		-	-	*		
13C-PCB-155	1.30e+07	1.33	y	34:14	1.04	6570					65.7	1.90e+06 1.36e+06
13C-PCB-111	2.02e+07	1.64	y	36:18	1.29	8200					82.0	2.84e+06 1.76e+06
13C-PCB-101	1.91e+07	1.61	y	34:41	-	89.4						
PCB-84	8.43e+05	1.62	y	34:21	0.66	410		-	-	*		Co-elute PCB 92
PCB-92	8.43e+05	1.62	y	34:21	0.66	410		-	-	*		Co-elute PCB 84
PCB-89	2.99e+04	1.41	y	34:32	0.67	14.3	J	-	-	*		
PCB-90	1.82e+06	1.60	y	34:42	0.75	788		-	-	*		Co-elute PCB 101
PCB-101	1.82e+06	1.60	y	34:42	0.75	788		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		996	950	8.16		
PCB-99	8.02e+05	1.52	y	35:01	0.83	314		-	-	*		
PCB-119	6.61e+04	1.37	y	35:26	0.99	21.7		-	-	*		
PCB-83	8.23e+04	1.68	y	35:37	0.78	33.9		-	-	*		Co-elute PCB 112
PCB-112	8.23e+04	1.68	y	35:37	0.78	33.9		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		996	950	7.66		
PCB-97	4.11e+05	1.50	y	35:57	0.64	207		-	-	*		
PCB-86	*	*	n	NotFnd	0.56	*		996	950	12.7		
PCB-125	6.24e+05	1.68	y	36:12	0.89	226		-	-	*		Co-elute PCB 87/117
PCB-87	6.24e+05	1.68	y	36:12	0.89	226		-	-	*		Co-elute PCB 125/117
PCB-117	6.24e+05	1.68	y	36:12	0.89	226		-	-	*		Co-elute PCB 125/87
PCB-111	4.55e+04	1.47	y	36:21	0.95	15.4	J	-	-	*		Co-elute PCB 115
PCB-115	4.55e+04	1.47	y	36:21	0.95	15.4	J	-	-	*		Co-elute PCB 111
PCB-85	2.66e+05	1.59	y	36:27	0.84	102		-	-	*		Co-elute PCB 116
PCB-116	2.66e+05	1.59	y	36:27	0.84	102		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		996	950	7.06		
PCB-110	1.86e+06	1.58	y	36:50	0.94	642		-	-	*		
PCB-82	1.32e+05	1.63	y	37:25	0.57	75.1		-	-	*		
PCB-124	8.20e+04	1.51	y	38:04	1.21	21.8		-	-	*		
PCB-108	1.21e+05	1.56	y	38:14	1.16	33.6		-	-	*		Co-elute PCB 107
PCB-107	1.21e+05	1.56	y	38:14	1.16	33.6		-	-	*		Co-elute PCB 108
PCB-123	3.44e+04	1.59	y	38:22	1.11	10.1	J	-	-	*		
13C-PCB-123	3.07e+07	1.60	y	38:21	1.40	10300					103	4.17e+06 2.64e+06
PCB-118	1.60e+06	1.56	y	38:32	1.14	434		-	-	*		Co-elute PCB 106
PCB-106	1.60e+06	1.56	y	38:32	1.14	434		-	-	*		Co-elute PCB 118
13C-PCB-118	3.22e+07	1.59	y	38:32	1.51	10100					101	4.37e+06 2.73e+06
PCB-114	5.03e+04	1.65	y	39:10	1.24	13.3	J	-	-	*		
13C-PCB-114	3.05e+07	1.62	y	39:09	1.49	9650					96.5	3.99e+06 2.48e+06
PCB-122	*	*	n	NotFnd	1.16	*		1220	840	6.51		
PCB-105	5.66e+05	1.63	y	40:00	1.22	152		-	-	*		
13C-PCB-105	3.05e+07	1.63	y	39:58	1.49	9630					96.3	4.41e+06 2.64e+06

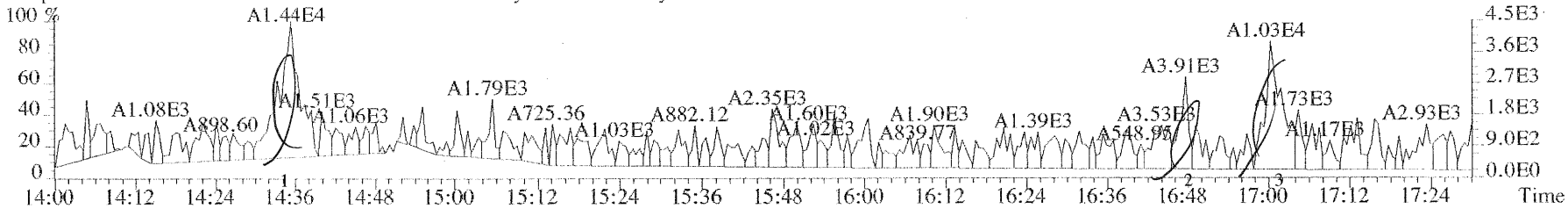
PCB-127	*	*	n	NotFnd	1.17	*		1220	840	6.45			
PCB-126	*	*	n	NotFnd	1.19	*		1220	840	6.92			
13C-PCB-126	2.77e+07	1.60	y	42:05	1.42	9150					91.5	3.84e+06	2.40e+06
PCB-151	4.90e+05	1.19	y	37:50	0.93	222		-	-	*			
PCB-135	2.29e+05	1.19	y	38:01	0.95	101		-	-	*			
PCB-144	1.20e+05	1.08	y	38:08	0.93	54.3		-	-	*			
PCB-147	4.20e+04	1.23	y	38:16	0.96	18.3	J	-	-	*			
PCB-139	1.61e+06	1.25	y	38:29	0.98	688		-	-	*		Co-elute PCB 149	
PCB-149	1.61e+06	1.25	y	38:29	0.98	688		-	-	*		Co-elute PCB 139	
PCB-140	2.70e+04	1.40	y	38:41	0.97	11.6	J	-	-	*			
PCB-143	9.34e+04	1.09	y	39:07	0.81	48.5		-	-	*		Co-elute PCB 134	
PCB-134	9.34e+04	1.09	y	39:07	0.81	48.5		-	-	*		Co-elute PCB 143	
PCB-131	5.42e+04	1.11	y	39:20	0.83	27.5		-	-	*		Co-elute PCB 133	
PCB-133	5.42e+04	1.11	y	39:20	0.83	27.5		-	-	*		Co-elute PCB 131	
PCB-142	1.97e+06	1.27	y	39:32	0.83	995		-	-	*			
PCB-165	2.96e+05	1.25	y	39:45	1.12	111		-	-	*		Co-elute PCB 146	
PCB-146	2.96e+05	1.25	y	39:45	1.12	111		-	-	*		Co-elute PCB 165	
PCB-161	5.02e+05	1.28	y	40:00	1.04	202		-	-	*		Co-elute PCB 132	
PCB-132	5.02e+05	1.28	y	40:00	1.04	202		-	-	*		Co-elute PCB 161	
PCB-153	1.83e+06	1.24	y	40:06	1.08	713		-	-	*			
PCB-168	*	*	n	NotFnd	1.19	*		1070	1060	7.73			
PCB-141	2.39e+05	1.15	y	40:49	0.94	106		-	-	*			
PCB-137	5.79e+04	1.15	y	41:12	0.98	24.7		-	-	*			
PCB-130	7.61e+04	1.19	y	41:17	0.76	42.1		-	-	*			
PCB-138	1.48e+06	1.23	y	41:37	1.11	559		-	-	*		Co-elute PCB 163/164	
PCB-163	1.48e+06	1.23	y	41:37	1.11	559		-	-	*		Co-elute PCB 138/164	
PCB-164	1.48e+06	1.23	y	41:37	1.11	559		-	-	*		Co-elute PCB 138/163	
PCB-158	1.59e+05	1.09	y	41:50	1.25	53.2		-	-	*		Co-elute PCB 160	
PCB-160	1.59e+05	1.09	y	41:50	1.25	53.2		-	-	*		Co-elute PCB 158	
PCB-129	5.59e+04	1.12	y	42:05	0.78	29.9		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		1070	1060	7.54			
PCB-159	4.36e+04	1.34	y	42:52	1.31	13.9	J	-	-	*			
PCB-128	1.93e+05	1.16	y	43:06	1.04	78.0		-	-	*		Co-elute PCB 162	
PCB-162	1.93e+05	1.16	y	43:06	1.04	78.0		-	-	*		Co-elute PCB 128	
PCB-167	5.65e+04	1.25	y	43:29	1.20	19.7	J	-	-	*			
13C-PCB-167	2.39e+07	1.30	y	43:27	1.18	9580					95.8	3.28e+06	2.54e+06
PCB-156	1.25e+05	1.14	y	44:41	1.29	40.9		-	-	*			
13C-PCB-156	2.37e+07	1.30	y	44:41	1.15	9670					96.7	3.18e+06	2.33e+06
PCB-157	3.08e+04	1.20	y	44:57	1.21	10.6	J	-	-	*			
13C-PCB-157	2.40e+07	1.29	y	44:56	1.17	9640					96.4	3.17e+06	2.50e+06
PCB-169	*	*	n	NotFnd	1.17	*		1070	1060	7.35			
13C-PCB-169	2.38e+07	1.30	y	46:48	1.18	9510					95.1	3.58e+06	2.65e+06

FAL ID: 13371-018-0001-SA Filename: 26OCT20Z Sam:6 Acquired: 26-OCT-20 14:51:51 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SC-ENR+AC-CC-S010-LONG ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

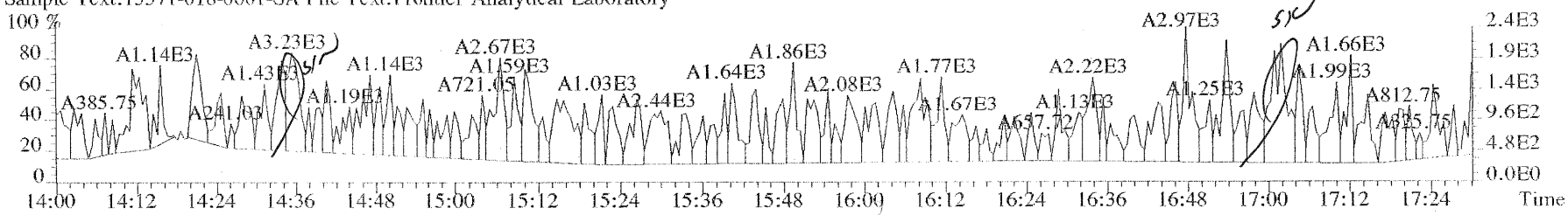
PCB-188	*	*	n	NotFnd	1.16	*		720	700	8.38			
13C-PCB-188	1.62e+07	1.09	y	39:45	0.93	8240					82.4	1.91e+06	1.74e+06
PCB-184	1.36e+07	1.08	y	40:11	1.25	6740		-	-	*			
PCB-179	1.66e+05	1.13	y	40:55	1.20	85.1		-	-	*			
PCB-176	4.94e+04	1.00	y	41:22	1.15	26.4		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		720	700	7.14			
PCB-178	5.86e+04	1.08	y	42:24	0.85	42.4		-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*		720	700	9.43			
PCB-187	2.95e+05	1.13	y	42:52	0.95	190		-	-	*		Co-elute PCB 182	
PCB-182	2.95e+05	1.13	y	42:52	0.95	190		-	-	*		Co-elute PCB 187	
PCB-183	1.74e+05	0.99	y	43:10	0.94	113		-	-	*			
PCB-185	3.42e+04	0.97	y	43:48	0.88	23.9		-	-	*			
PCB-174	1.91e+05	1.04	y	44:10	0.87	135		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		720	700	9.45			
PCB-177	1.27e+05	1.03	y	44:25	0.82	95.6		-	-	*			
PCB-171	7.41e+04	1.15	y	44:41	0.87	52.5		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		720	700	10.5			
PCB-172	2.71e+05	1.10	y	45:27	0.83	200		-	-	*			
PCB-192	1.01e+07	1.07	y	45:39	1.09	5690		-	-	*			
PCB-180	3.68e+05	1.00	y	45:50	0.85	268		-	-	*			
PCB-193	3.23e+04	0.95	y	46:00	1.17	16.9	J	-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*		720	700	7.43			
PCB-170	1.43e+05	1.10	y	47:07	0.85	104		-	-	*			
PCB-190	4.40e+04	1.11	y	47:16	1.13	23.9		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		720	700	6.18			
13C-PCB-189	1.63e+07	1.10	y	48:26	0.88	8660					86.6	2.57e+06	2.37e+06
PCB-202	*	*	n	NotFnd	1.08	*		489	456	8.23			
PCB-201	*	*	n	NotFnd	1.18	*		489	456	7.51			
PCB-204	1.85e+07	0.91	y	45:27	1.18	14100		-	-	*			
PCB-197	9.72e+04	0.89	y	45:44	1.23	71.7		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		489	456	7.33			
PCB-198	*	*	n	NotFnd	0.88	*		489	456	10.1			
PCB-199	5.18e+04	0.90	y	47:44	0.90	52.2		-	-	*			
PCB-203	5.98e+04	0.85	y	47:59	0.96	56.1		-	-	*		Co-elute PCB 196	
PCB-196	5.98e+04	0.85	y	47:59	0.96	56.1		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.11e+07	0.92	y	44:51	0.68	7640					76.4	1.28e+06	1.38e+06
13C-PCB-178	1.11e+07	1.13	y	42:23	0.71	7380					73.8	1.29e+06	1.12e+06
13C-PCB-138	2.12e+07	1.28	y	41:35	-	91.5							
PCB-195	3.65e+04	0.79	y	49:04	0.85	15.5	J	-	-	*			
PCB-194	1.03e+05	0.83	y	49:51	0.96	38.8		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1300	1410	6.42			
13C-PCB-205	2.77e+07	0.90	y	50:07	1.22	9670					96.7	4.45e+06	4.76e+06
PCB-208	*	*	n	NotFnd	1.12	*		1370	1340	8.20			
13C-PCB-208	2.09e+07	0.82	y	49:10	1.00	8860					88.6	3.34e+06	4.05e+06
PCB-207	1.37e+05	1.51	y	49:28	1.24	59.5		-	-	*			
PCB-206	*	*	n	NotFnd	1.15	*		1370	1340	11.1			
13C-PCB-206	1.62e+07	0.81	y	51:19	0.77	8980					89.8	2.40e+06	2.90e+06
PCB-209	1.51e+05	1.11	y	52:31	1.24	77.9		-	-	*			
13C-PCB-209	1.57e+07	1.23	y	52:29	0.79	8460					84.6	2.64e+06	2.21e+06
13C-PCB-194	2.35e+07	0.91	y	49:51	-	96.2							

Analyst: _____ Date: 10/28/20

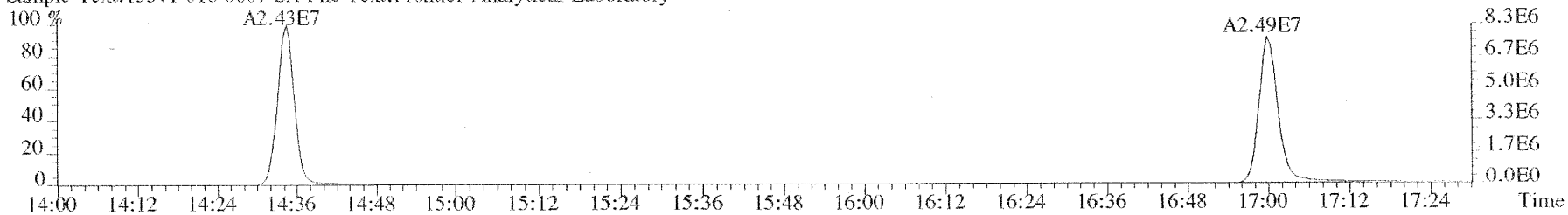
File:26OCT20Z #1-783 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



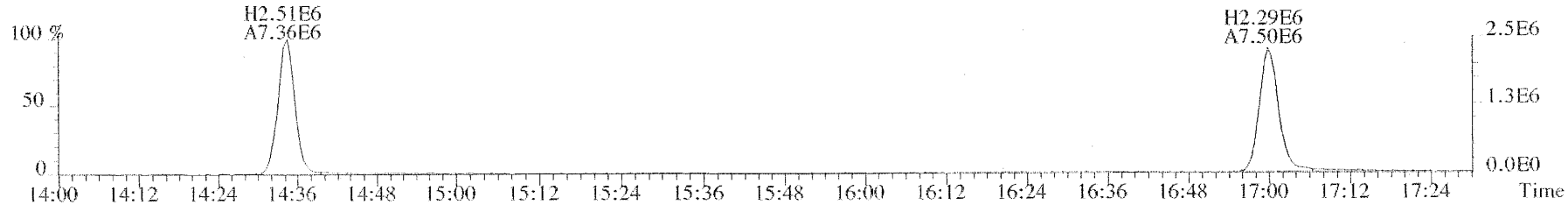
File:26OCT20Z #1-783 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



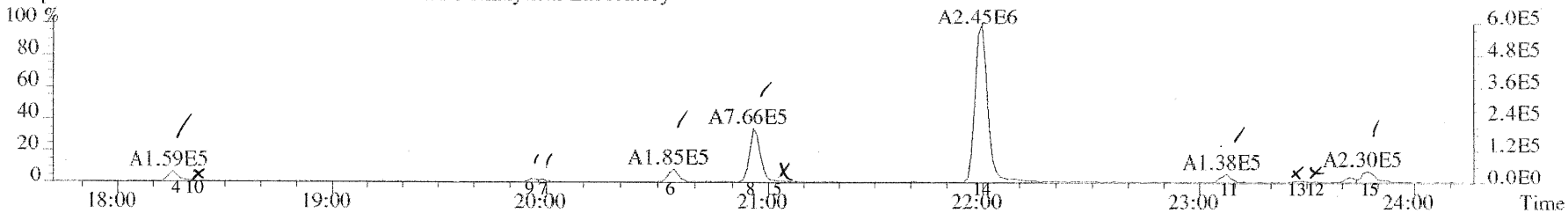
File:26OCT20Z #1-783 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



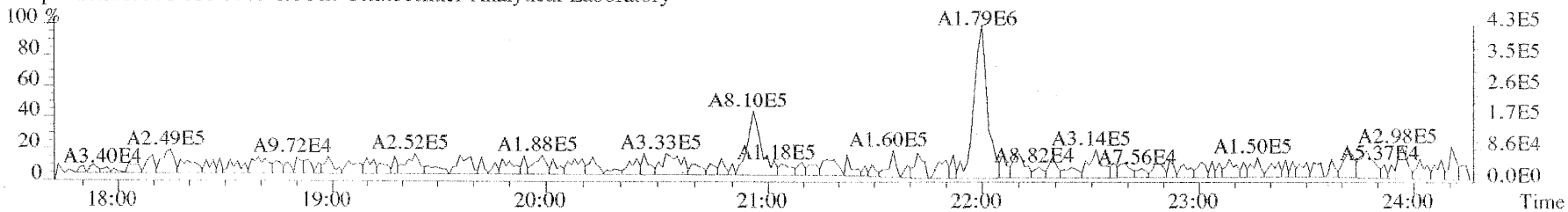
File:26OCT20Z #1-783 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



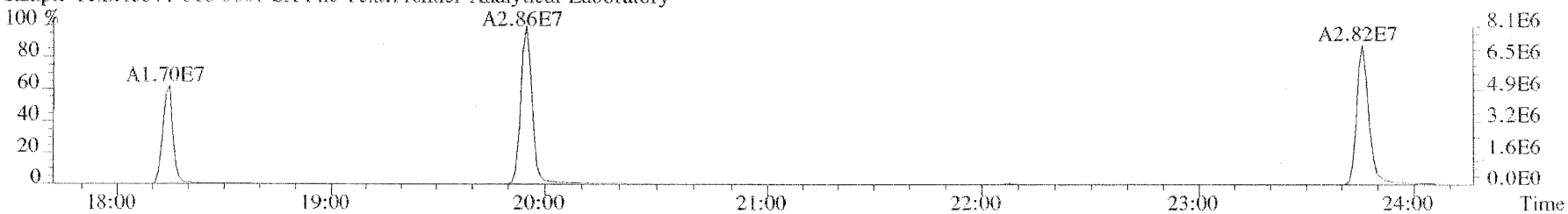
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



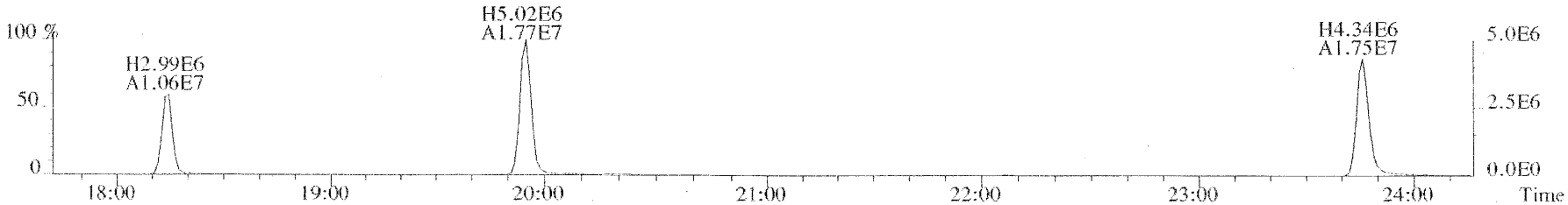
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



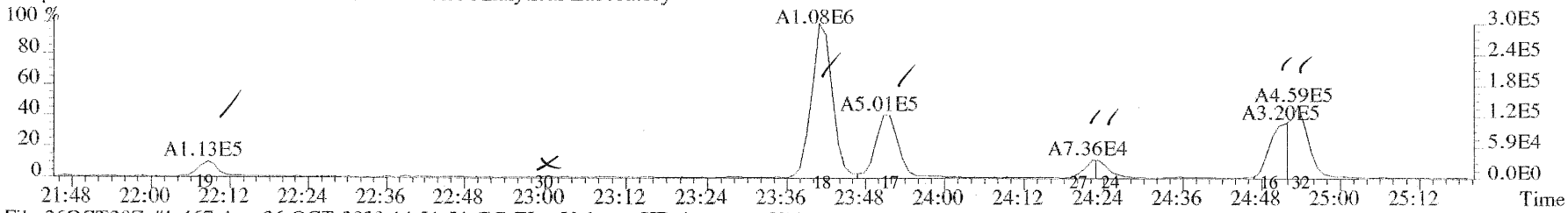
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



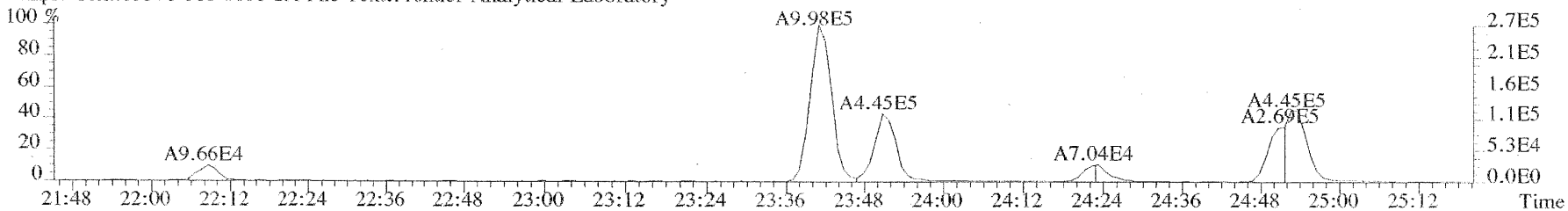
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



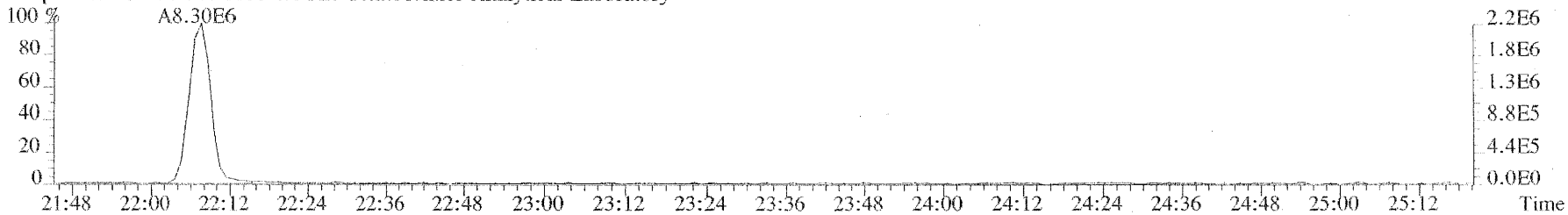
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



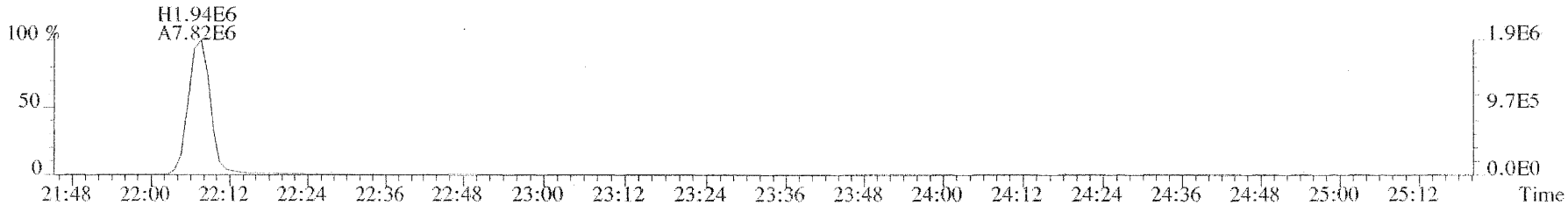
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



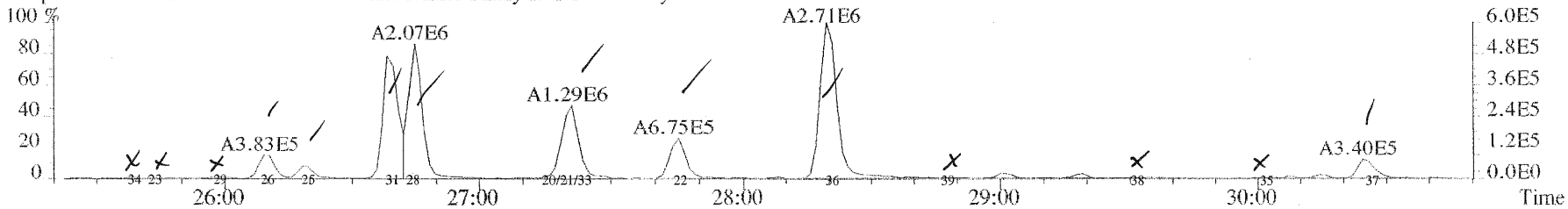
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



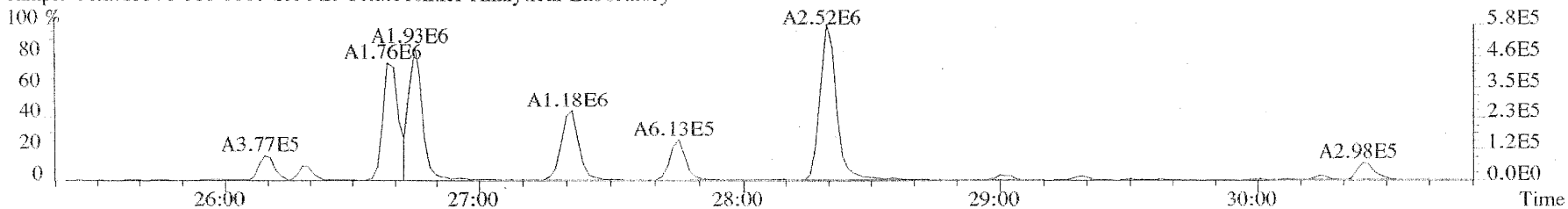
File:26OCT20Z #1-467 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



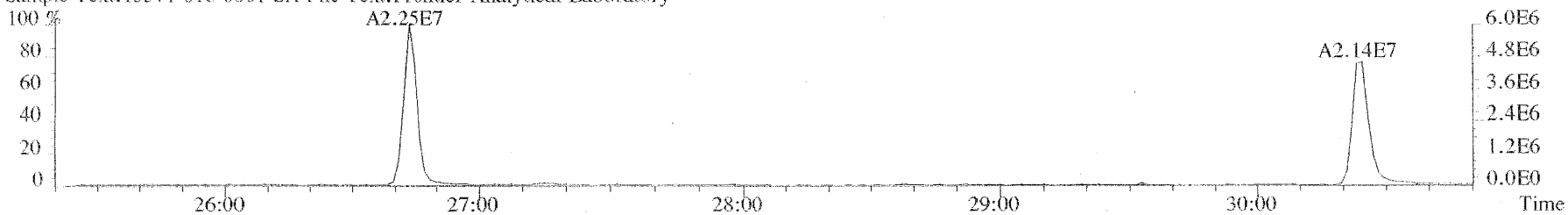
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



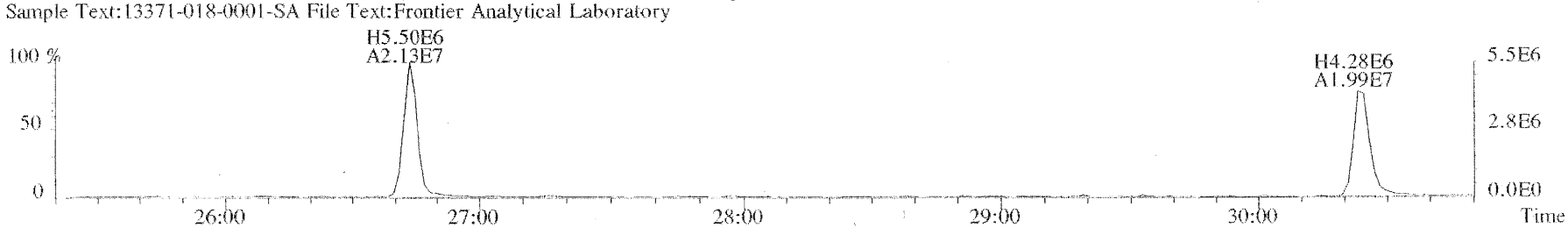
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



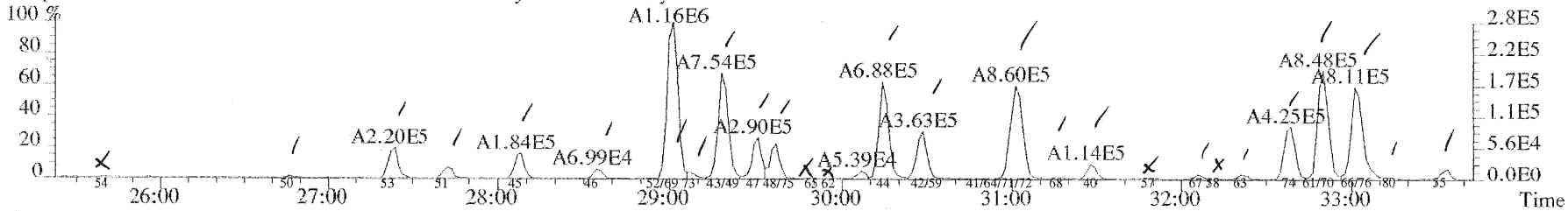
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



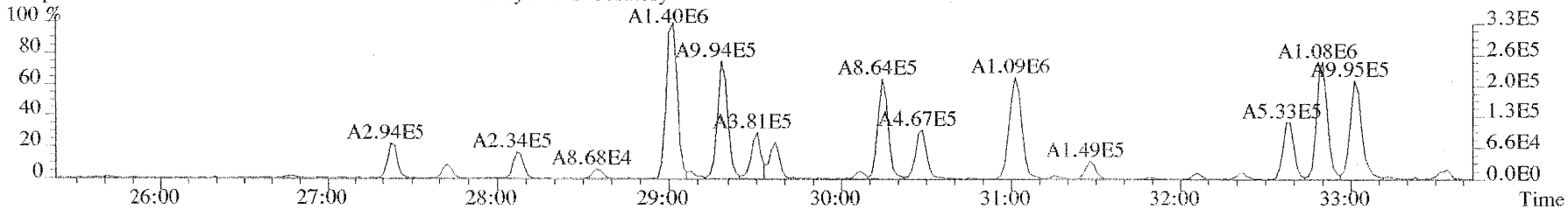
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



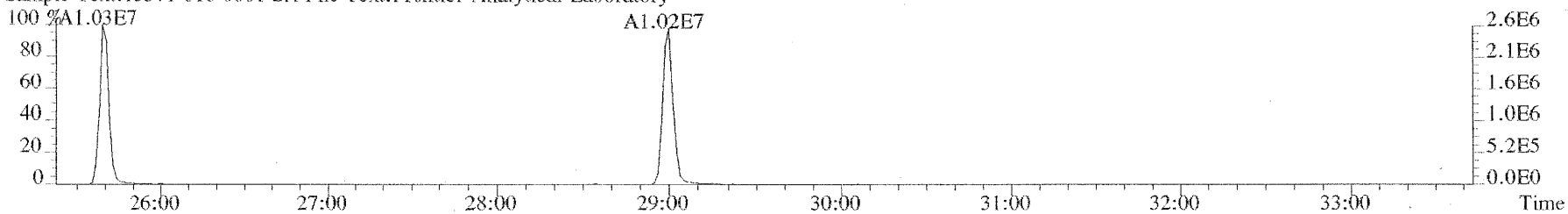
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



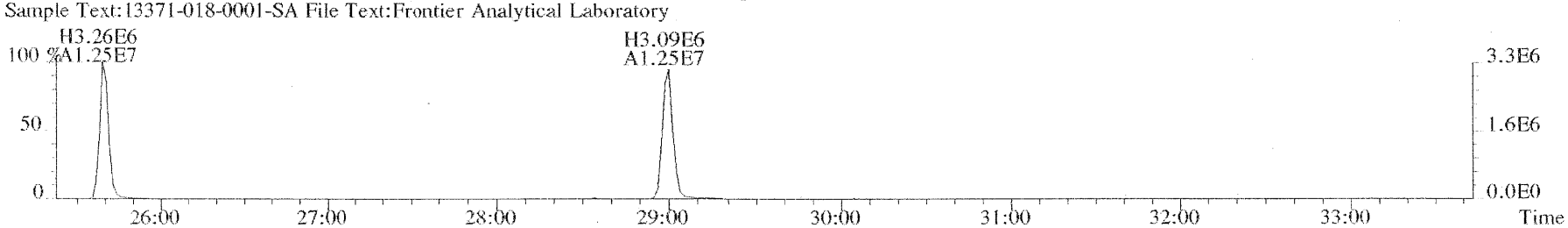
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



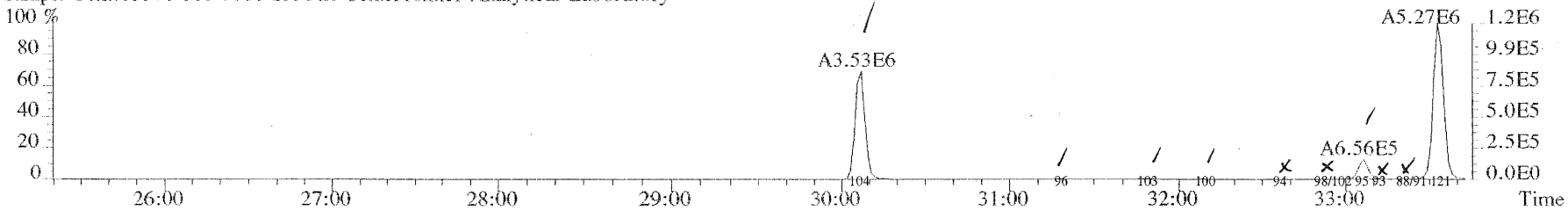
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



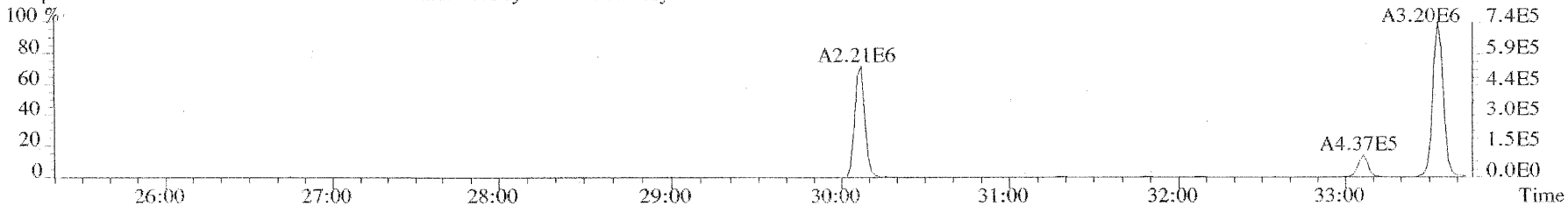
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



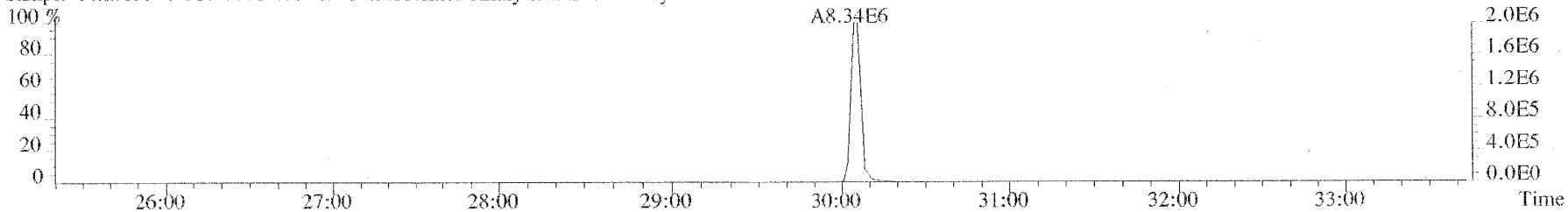
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



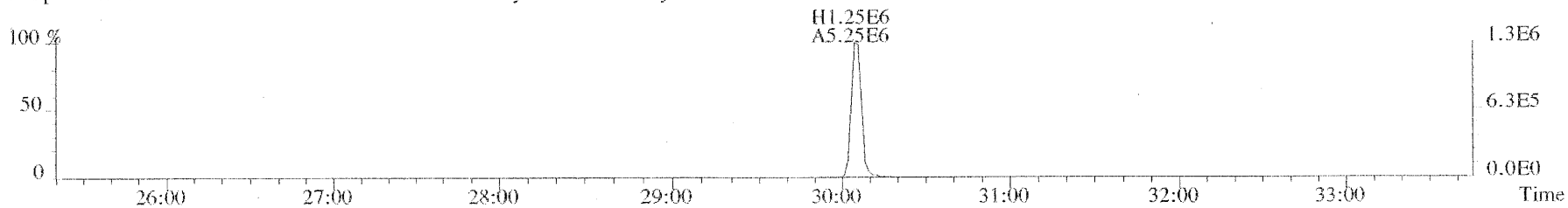
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



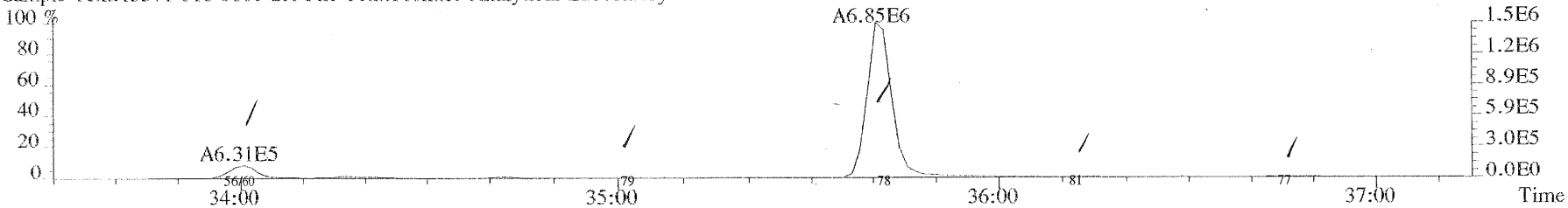
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



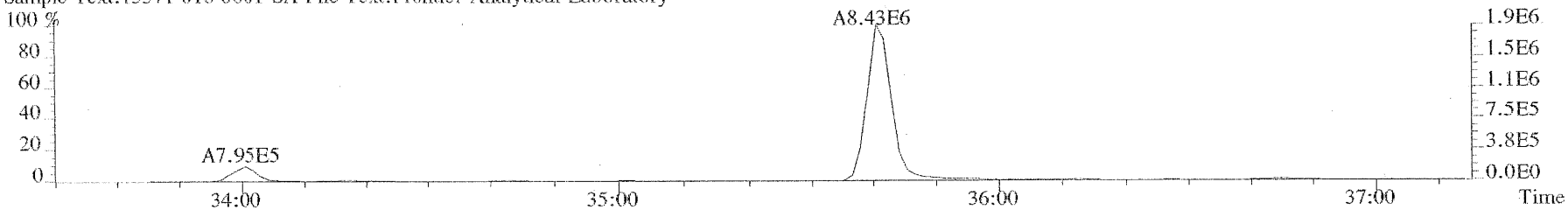
File:26OCT20Z #1-397 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



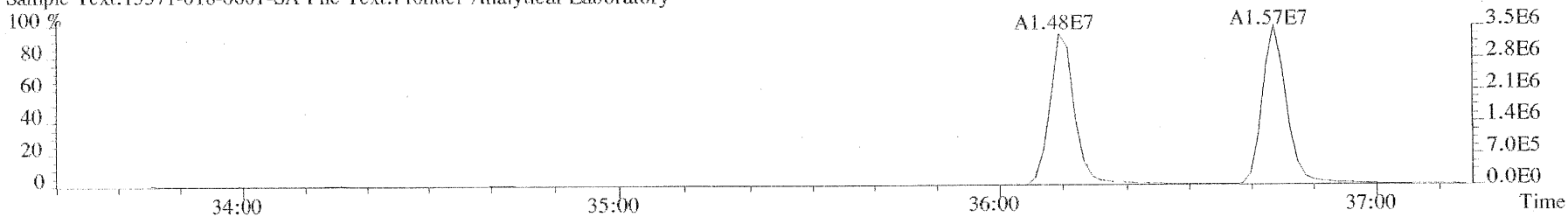
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



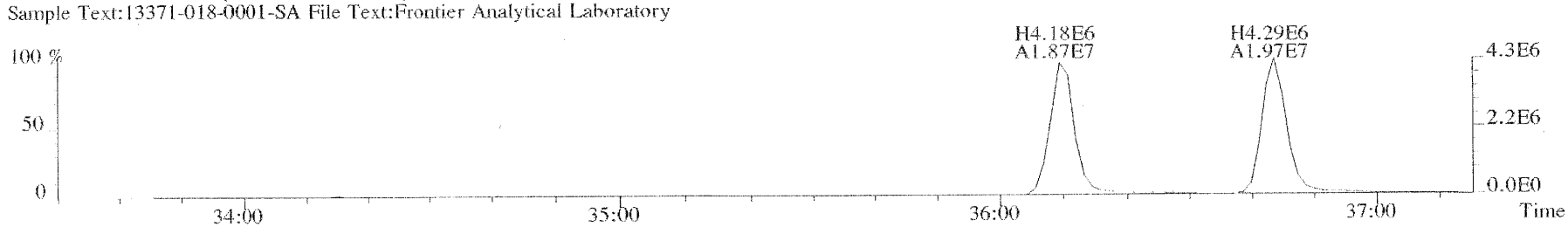
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



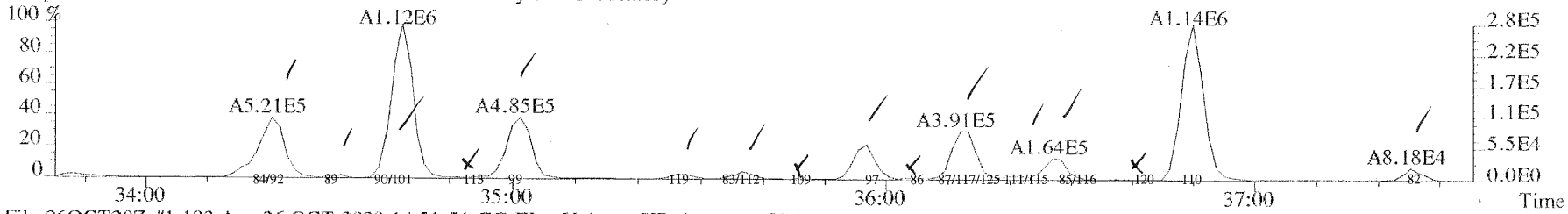
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



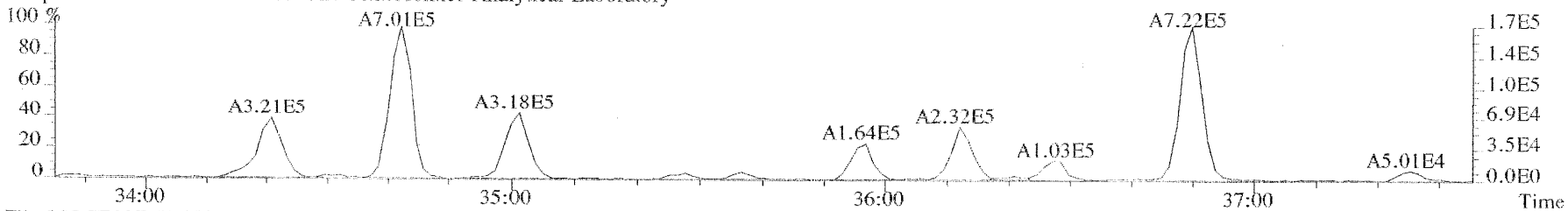
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



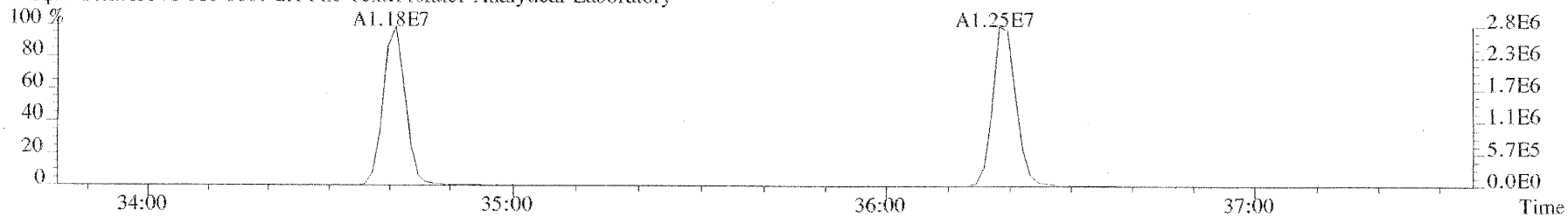
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



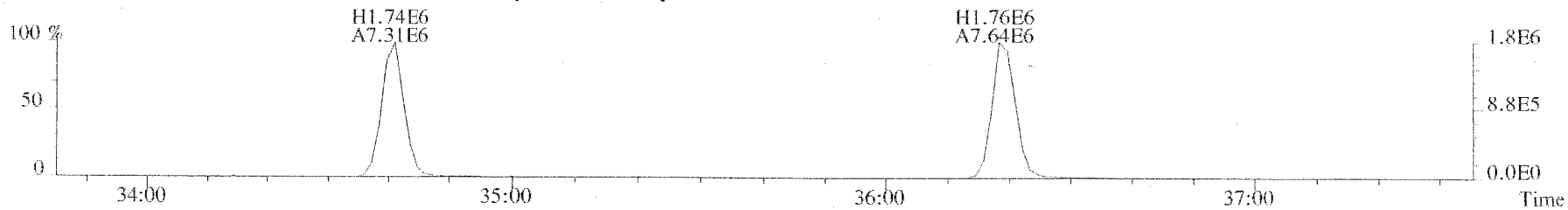
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



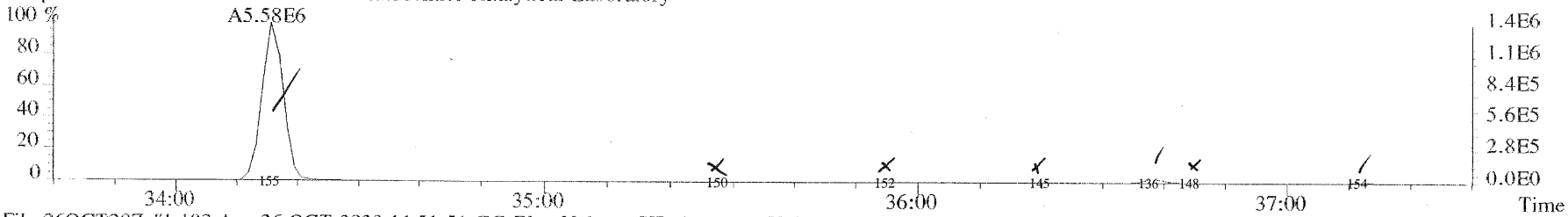
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



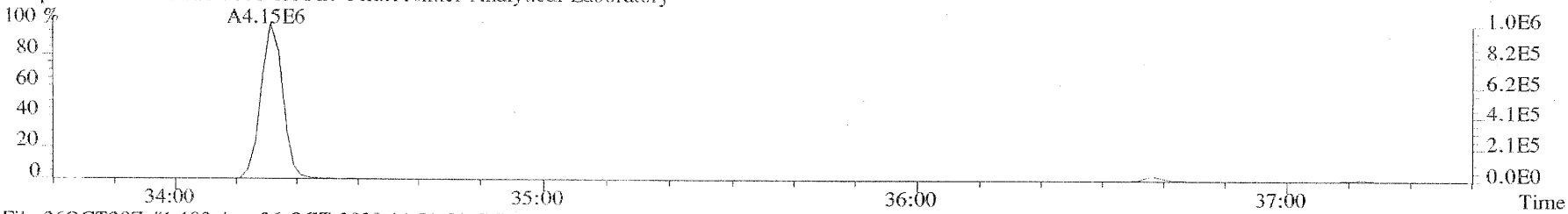
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



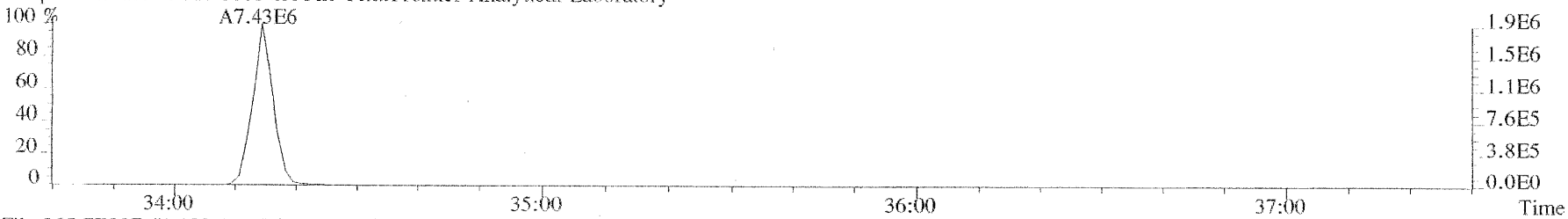
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



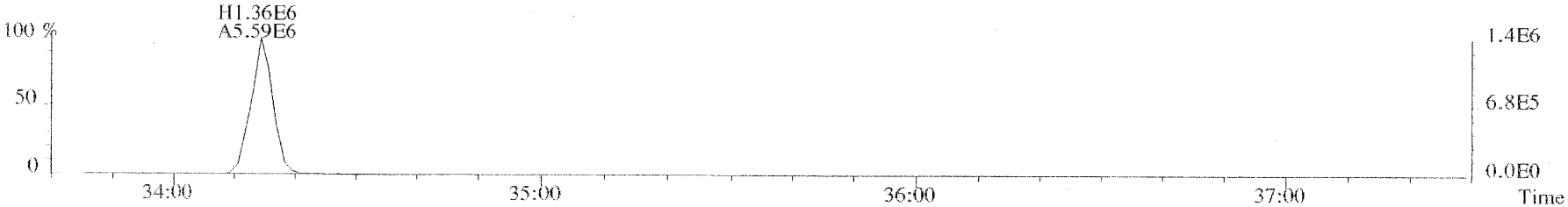
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



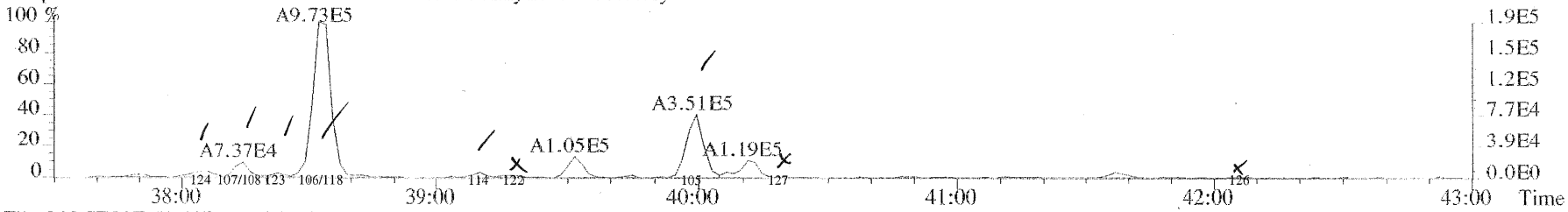
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



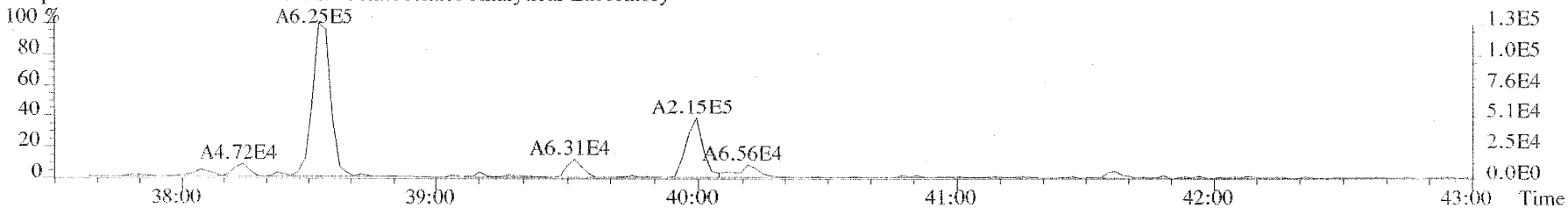
File:26OCT20Z #1-183 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



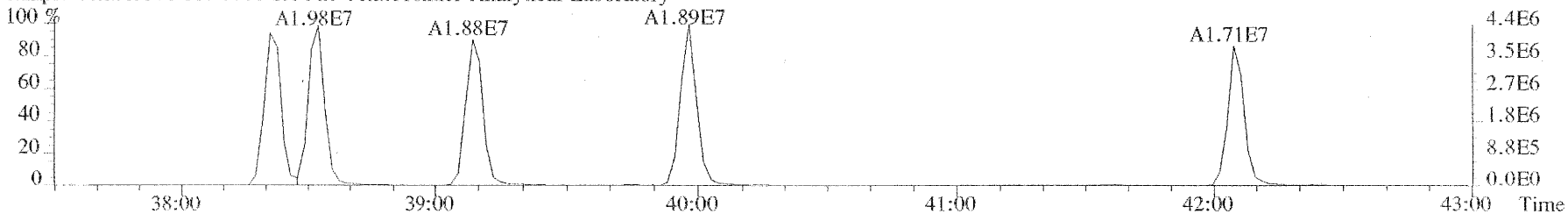
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



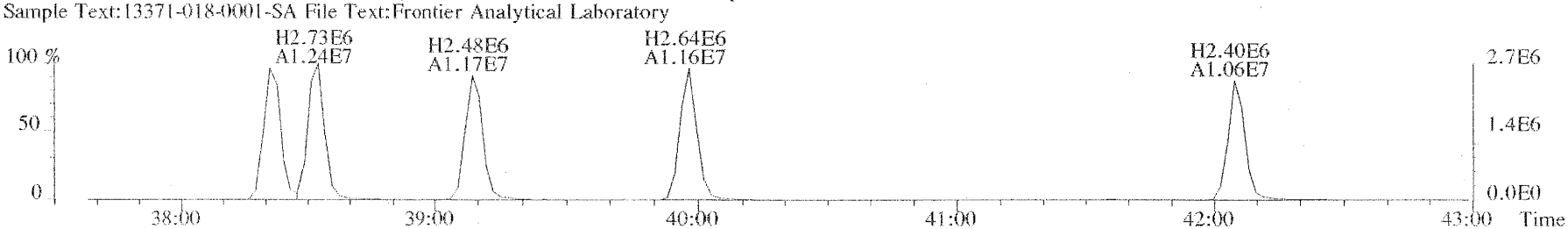
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



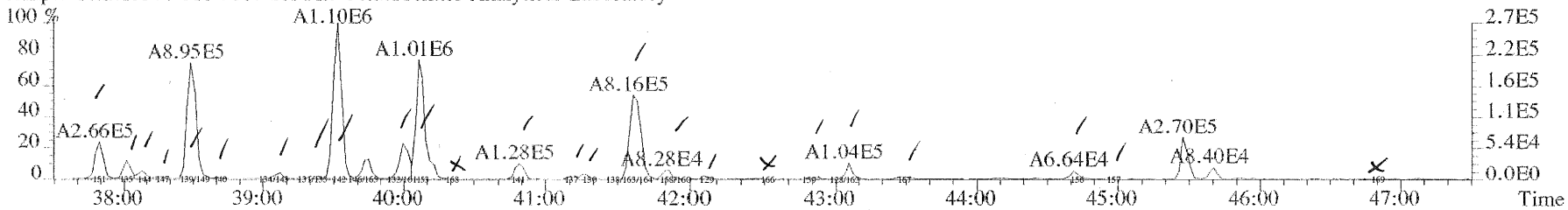
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



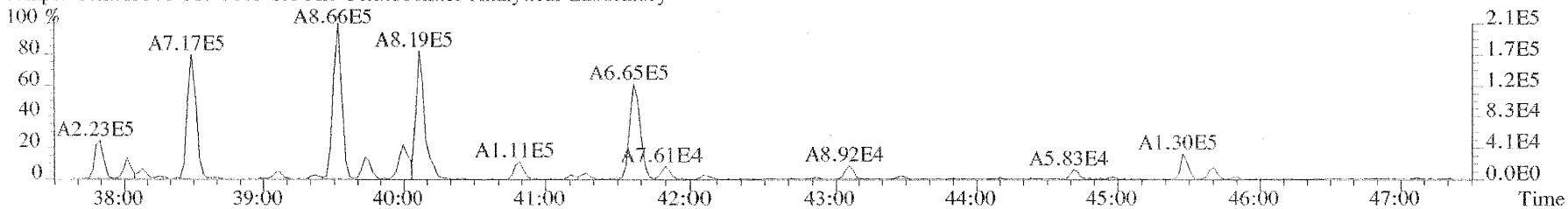
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



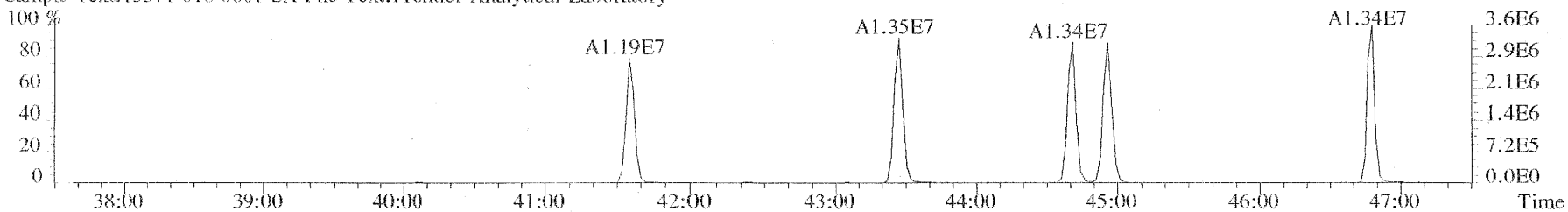
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



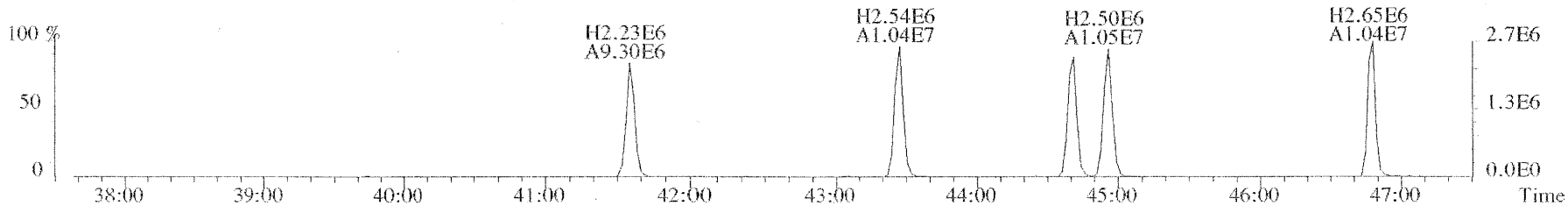
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



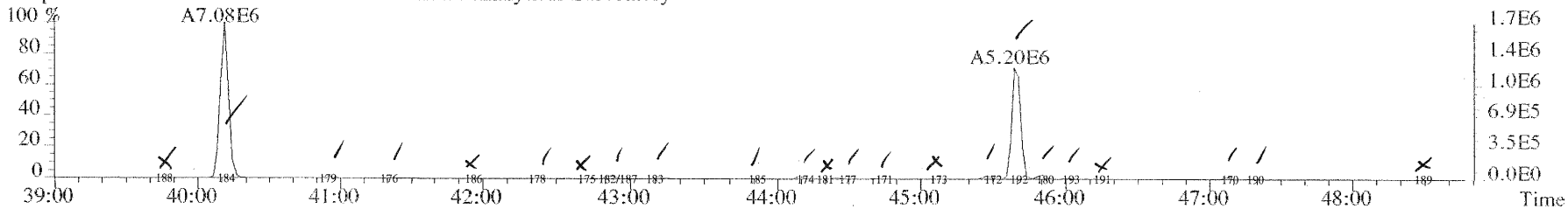
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



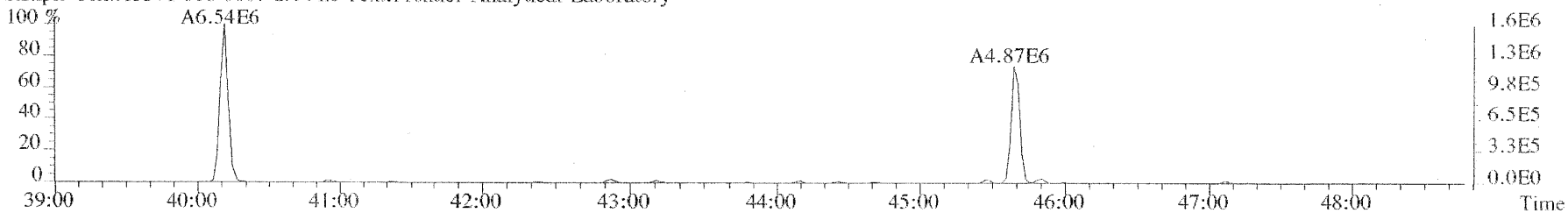
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



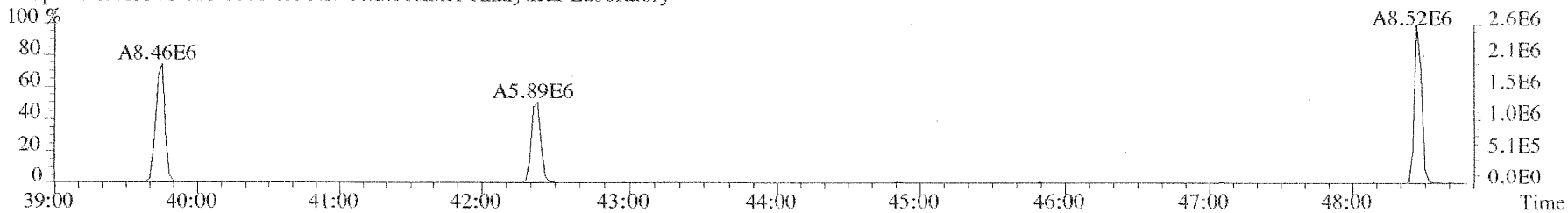
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



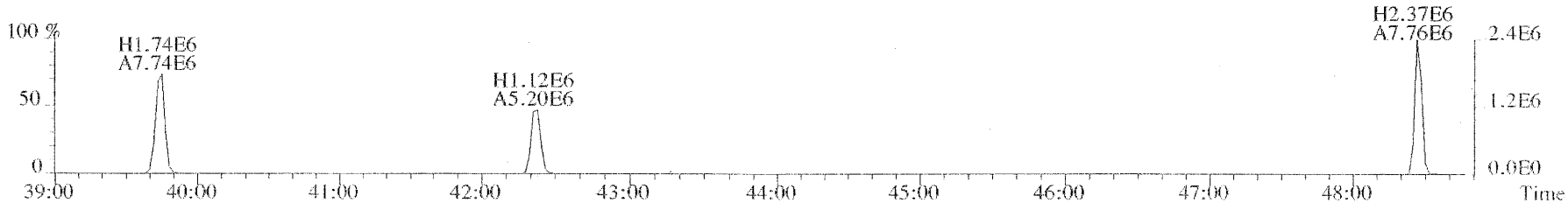
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



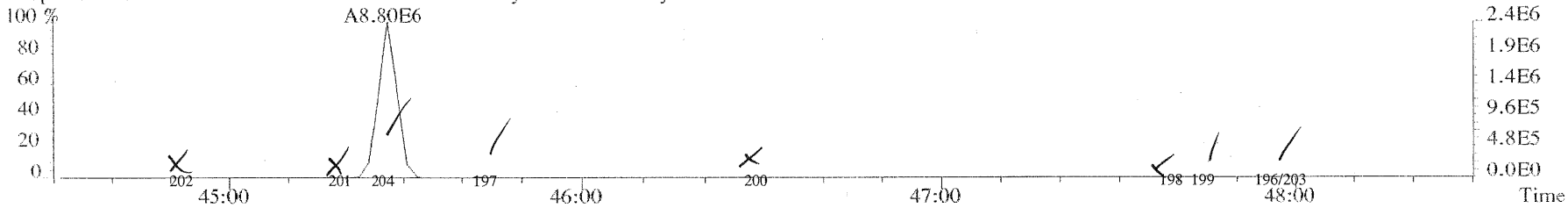
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



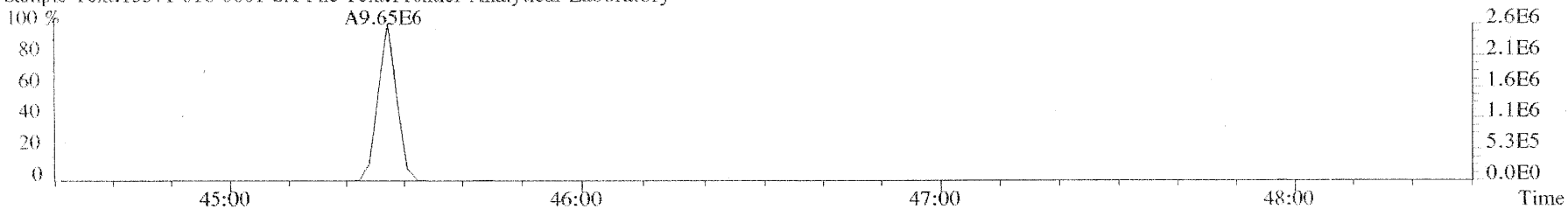
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



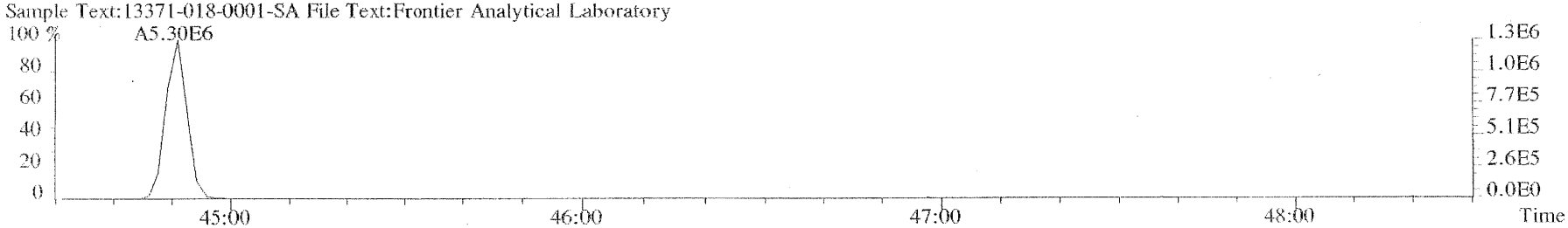
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



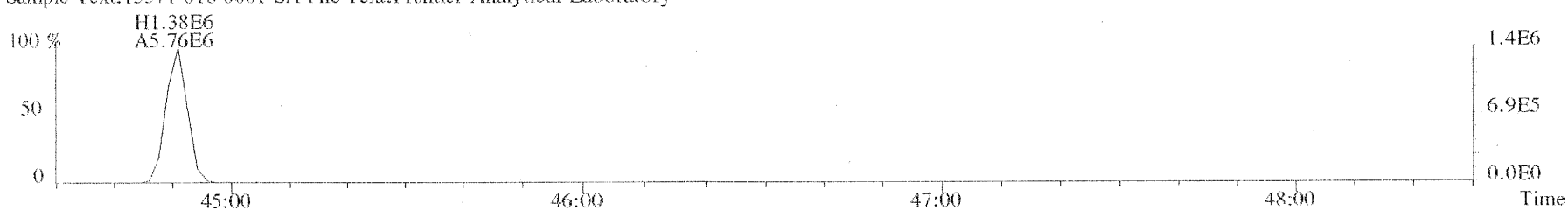
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



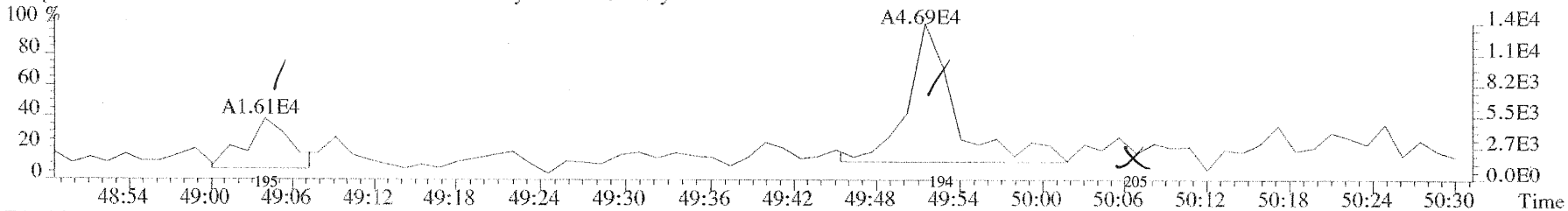
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



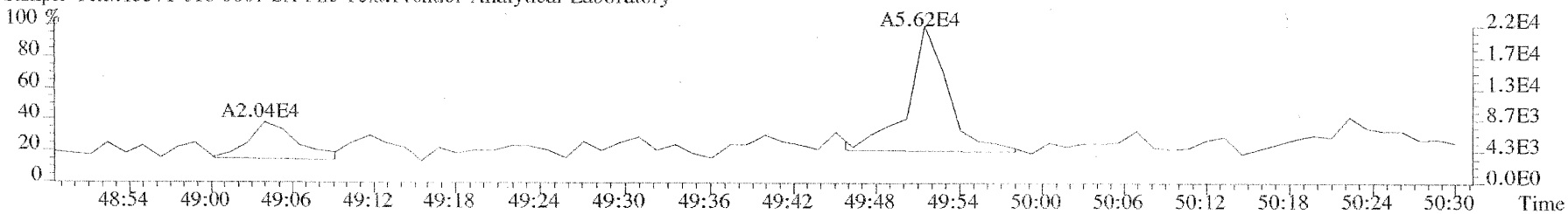
File:26OCT20Z #1-407 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



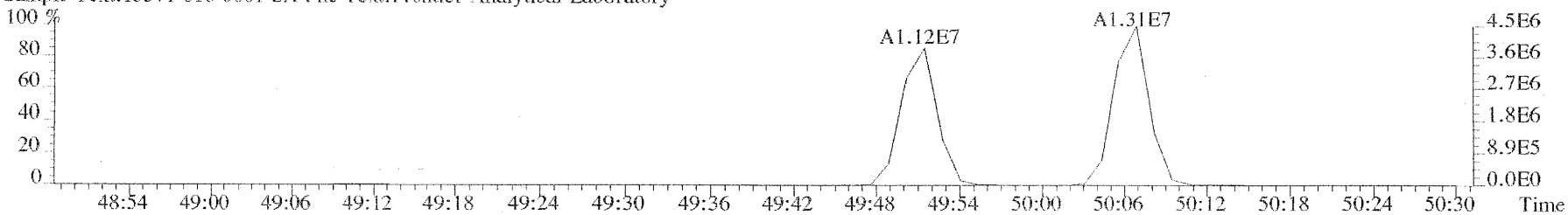
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



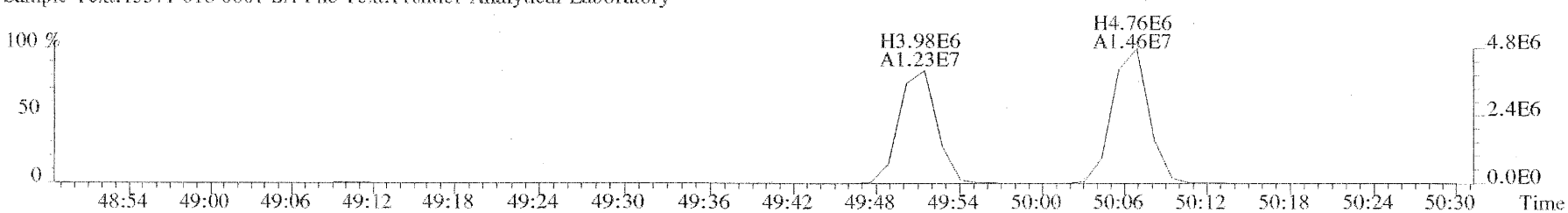
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



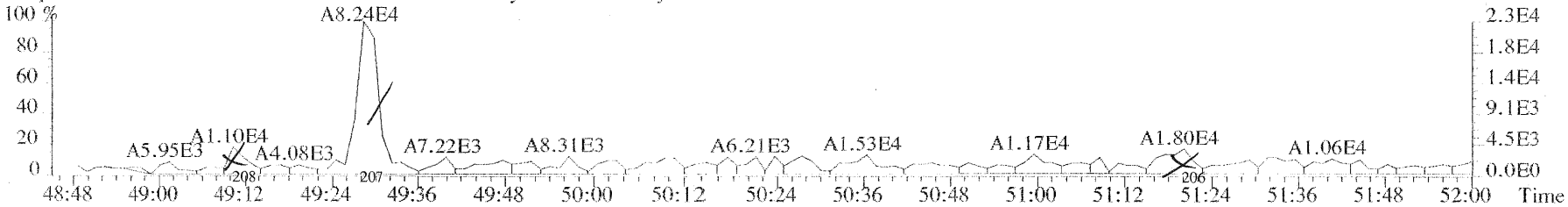
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



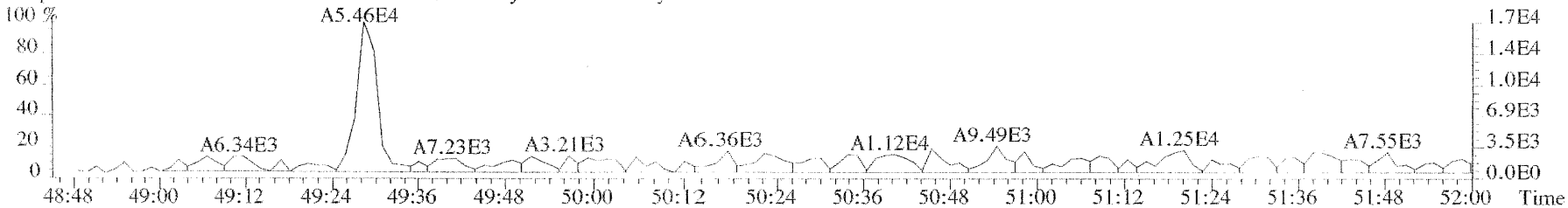
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



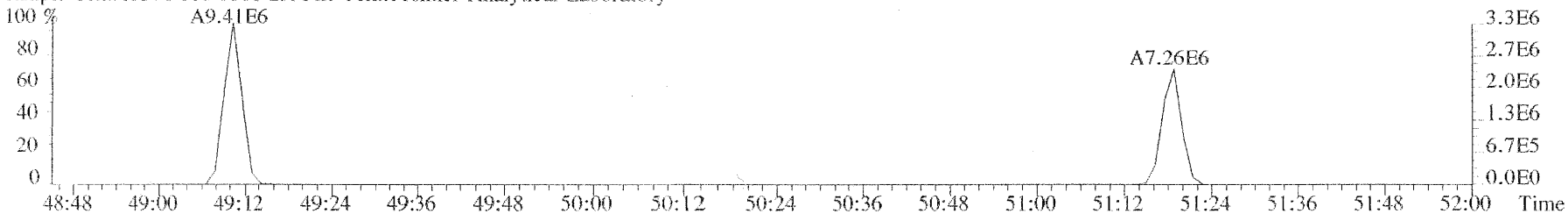
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



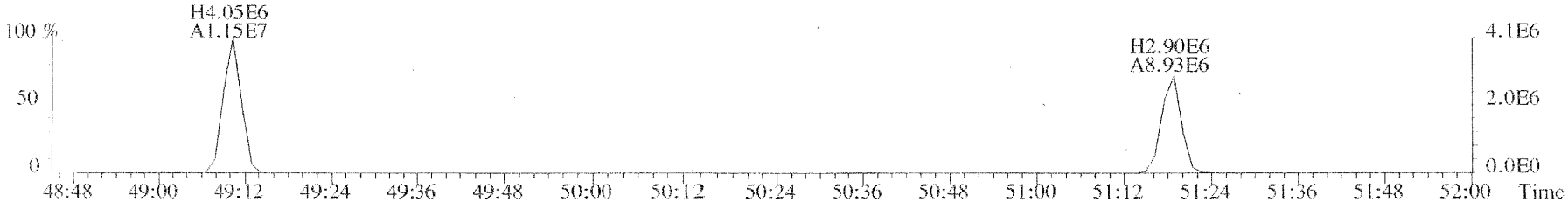
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



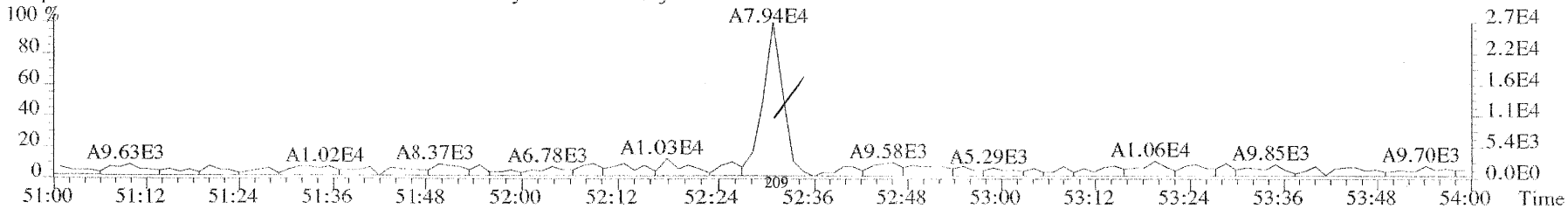
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



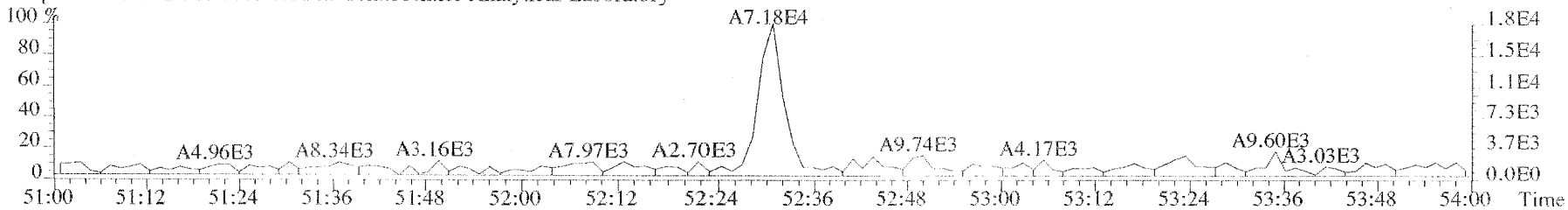
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



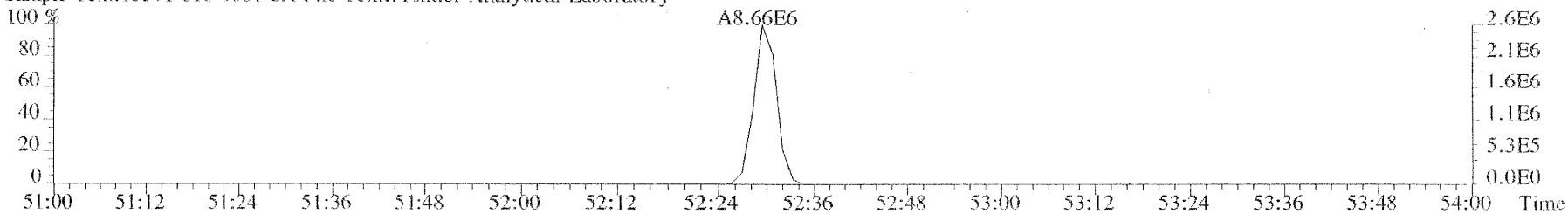
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



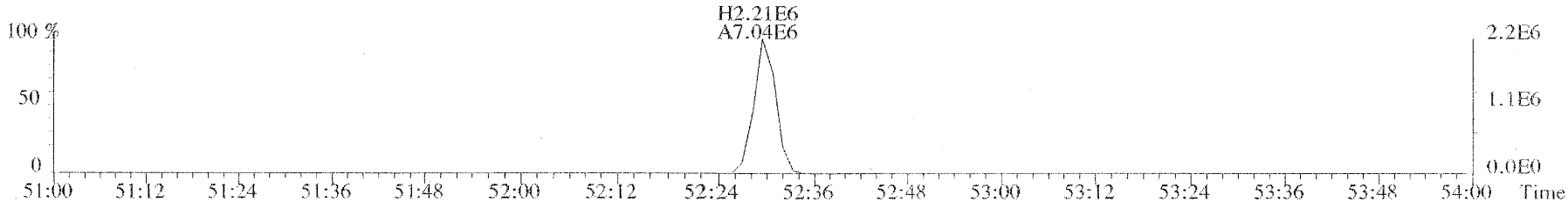
File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 14:51:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13371-018-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Data Filename: 22JUL20Z

Analyte: 1668PCBFAL4-7-22-20 Cal: 1668PCBFAL4-7-22-20

Name	RRF	S. D.	%RSD	S1 RRF#1	S2 RRF#2	S3 RRF#3	S4 RRF#4	S5 RRF#5	S6 RRF#6
PCB-1	1.21	0.0906	7.48 %	1.38	1.24	1.18	1.15	1.14	1.17
13C-PCB-1	0.90	0.0253	2.82 %	0.89	0.87	0.90	0.90	0.95	0.88
PCB-3	1.23	0.0885	7.19 %	1.38	1.28	1.21	1.17	1.19	1.15
13C-PCB-3	0.93	0.0266	2.86 %	0.93	0.89	0.93	0.92	0.96	0.95
PCB-4	1.14	0.153	13.4 %	1.42	1.20	1.12	1.03	1.05	1.02
13C-PCB-4	0.66	0.0127	1.92 %	0.65	0.64	0.66	0.66	0.68	0.67
PCB-15	1.09	0.0888	8.13 %	1.24	1.15	1.10	1.02	1.02	1.02
13C-PCB-15	1.09	0.0329	3.03 %	1.07	1.09	1.04	1.07	1.11	1.14
PCB-19	1.21	0.0859	7.10 %	1.38	1.22	1.21	1.15	1.16	1.16
13C-PCB-19	0.50	0.0118	2.35 %	0.49	0.52	0.49	0.51	0.52	0.50
13C-PCB-9	-	-	- %	-	-	-	-	-	-
PCB-37	1.14	0.0725	6.34 %	1.28	1.16	1.13	1.06	1.12	1.12
13C-PCB-37	1.64	0.0733	4.47 %	1.74	1.67	1.56	1.68	1.65	1.55
PCB-54	1.18	0.0449	3.79 %	1.24	1.23	1.18	1.18	1.17	1.11
13C-PCB-54	1.26	0.0314	2.49 %	1.29	1.24	1.23	1.29	1.29	1.24
PCB-104	1.12	0.0554	4.97 %	1.10	1.20	1.16	1.09	1.12	1.03
13C-PCB-104	1.02	0.0354	3.47 %	1.08	1.01	0.98	1.02	1.04	0.99
13C-PCB-28	1.73	0.0728	4.20 %	1.85	1.76	1.71	1.75	1.68	1.65
13C-PCB-52	-	-	- %	-	-	-	-	-	-
PCB-81	1.13	0.0617	5.45 %	1.21	1.17	1.16	1.10	1.13	1.03
13C-PCB-81	1.57	0.0793	5.05 %	1.54	1.53	1.53	1.52	1.58	1.73
PCB-77	1.10	0.0617	5.61 %	1.19	1.13	1.12	1.07	1.08	1.01
13C-PCB-77	1.61	0.0829	5.14 %	1.58	1.57	1.59	1.54	1.63	1.77
PCB-155	1.13	0.0489	4.31 %	1.21	1.17	1.14	1.09	1.12	1.08
13C-PCB-155	1.10	0.0325	2.95 %	1.05	1.13	1.11	1.13	1.09	1.11
13C-PCB-111	1.27	0.0191	1.51 %	1.25	1.28	1.30	1.26	1.28	1.25
13C-PCB-101	-	-	- %	-	-	-	-	-	-
PCB-123	1.11	0.0424	3.82 %	1.18	1.14	1.08	1.09	1.09	1.07
13C-PCB-123	1.28	0.0404	3.15 %	1.31	1.24	1.30	1.25	1.35	1.25
PCB-118	1.12	0.0635	5.66 %	1.21	1.17	1.15	1.07	1.07	1.06
13C-PCB-118	1.35	0.0382	2.82 %	1.36	1.32	1.32	1.35	1.42	1.35
PCB-114	1.13	0.0470	4.16 %	1.18	1.17	1.16	1.08	1.08	1.09
13C-PCB-114	1.29	0.0386	2.98 %	1.30	1.30	1.24	1.28	1.36	1.29
PCB-105	1.10	0.0683	6.19 %	1.24	1.09	1.10	1.07	1.06	1.07
13C-PCB-105	1.28	0.0298	2.32 %	1.32	1.30	1.28	1.25	1.25	1.29
PCB-126	1.08	0.0278	2.57 %	1.11	1.10	1.10	1.08	1.09	1.03
13C-PCB-126	1.23	0.0921	7.48 %	1.15	1.23	1.24	1.13	1.27	1.38
PCB-167	1.11	0.0641	5.78 %	1.20	1.16	1.12	1.07	1.06	1.03
13C-PCB-167	1.23	0.0588	4.79 %	1.18	1.21	1.21	1.18	1.28	1.32
PCB-156	1.13	0.0540	4.80 %	1.20	1.17	1.14	1.09	1.09	1.07
13C-PCB-156	1.19	0.0597	5.02 %	1.14	1.17	1.13	1.16	1.26	1.27
PCB-157	1.08	0.0406	3.75 %	1.15	1.08	1.11	1.06	1.05	1.04
13C-PCB-157	1.21	0.0764	6.29 %	1.14	1.19	1.16	1.17	1.28	1.34
PCB-169	1.08	0.0377	3.50 %	1.12	1.10	1.09	1.08	1.05	1.02
13C-PCB-169	1.17	0.104	8.90 %	1.07	1.15	1.10	1.12	1.23	1.35
PCB-188	1.10	0.0468	4.26 %	1.11	1.13	1.15	1.09	1.11	1.01
13C-PCB-188	1.13	0.0217	1.93 %	1.14	1.10	1.13	1.10	1.14	1.15
PCB-189	1.07	0.0736	6.88 %	1.16	1.08	1.09	1.07	1.07	0.94
13C-PCB-189	0.97	0.0907	9.40 %	0.86	0.94	0.93	0.94	0.99	1.13
PCB-202	1.03	0.0801	7.78 %	1.14	1.09	1.03	1.02	0.99	0.91
13C-PCB-202	0.96	0.0503	5.26 %	0.86	0.98	0.94	0.98	1.00	0.98
13C-PCB-178	0.78	0.0334	4.31 %	0.71	0.80	0.78	0.76	0.79	0.81
13C-PCB-138	-	-	- %	-	-	-	-	-	-

PCB-205	1.09	0.0892	8.22 %	1.20	1.13	1.12	1.07	1.06	0.93
13C-PCB-205	1.32	0.0588	4.47 %	1.31	1.28	1.25	1.29	1.35	1.42
PCB-208	1.01	0.0633	6.28 %	1.09	1.03	1.04	1.00	0.99	0.90
13C-PCB-208	1.38	0.0358	2.61 %	1.43	1.34	1.34	1.39	1.40	1.35
PCB-206	1.04	0.0680	6.54 %	1.09	1.09	1.07	1.04	1.04	0.91
13C-PCB-206	0.94	0.0476	5.08 %	0.99	0.91	0.89	0.89	0.95	1.00
PCB-209	1.13	0.117	10.4 %	1.31	1.11	1.17	1.11	1.12	0.95
13C-PCB-209	1.10	0.0679	6.16 %	0.99	1.10	1.11	1.09	1.15	1.19
13C-PCB-194	-	-	- %	-	-	-	-	-	-

Analyst: [illegible] Date: 7/28/01

Run #1 Filename 22JUL20Z S: 1 Acquired: 22-JUL-20 08:04:10 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z0 Analyte: FAL ID: 1668 CS099 R181022A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	0.20	3.45e+05	3.04	y	14:32	-	1.38	y
2	IS/RT	13C-PCB-1	100.00	1.25e+08	3.19	y	14:30	-	0.889	y
3	Unk	PCB-3	0.20	3.59e+05	3.03	y	16:57	-	1.38	y
4	IS/RT	13C-PCB-3	100.00	1.30e+08	3.27	y	16:56	-	0.925	y
5	Unk	PCB-4	0.20	2.61e+05	1.34	y	18:12	-	1.42	y
6	IS/RT	13C-PCB-4	100.00	9.17e+07	1.57	y	18:10	-	0.654	y
7	Unk	PCB-15	0.20	3.72e+05	1.41	y	23:42	-	1.24	y
8	IS/RT	13C-PCB-15	100.00	1.50e+08	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	0.20	1.91e+05	1.11	y	22:05	-	1.38	y
10	IS/RT	13C-PCB-19	100.00	6.93e+07	1.07	y	22:03	-	0.494	y
11	RS	13C-PCB-9	100.00	1.40e+08	1.60	y	19:51	1.40e+06	-	n
12	Unk	PCB-37	0.20	3.10e+05	1.07	y	30:20	-	1.28	y
13	IS	13C-PCB-37	100.00	1.21e+08	1.07	y	30:18	-	1.74	y
14	Unk	PCB-54	0.20	2.23e+05	0.71	y	25:36	-	1.24	y
15	IS/RT	13C-PCB-54	100.00	9.01e+07	0.79	y	25:35	-	1.29	y
16	Unk	PCB-104	0.20	1.65e+05	1.65	y	30:03	-	1.10	y
17	IS	13C-PCB-104	100.00	7.51e+07	1.60	y	30:01	-	1.08	y
18	C/Up	13C-PCB-28	100.00	1.29e+08	1.05	y	26:38	-	1.85	y
19	RS	13C-PCB-52	100.00	6.97e+07	0.78	y	28:56	6.97e+05	-	n
20	Unk	PCB-81	0.20	2.43e+05	0.79	y	36:06	-	1.21	y
21	IS	13C-PCB-81	100.00	1.01e+08	0.80	y	36:05	-	1.54	y
22	Unk	PCB-77	0.20	2.45e+05	0.70	y	36:40	-	1.19	y
23	IS/RT	13C-PCB-77	100.00	1.03e+08	0.81	y	36:39	-	1.58	y
24	Unk	PCB-155	0.20	1.65e+05	1.21	y	34:12	-	1.21	y
25	IS	13C-PCB-155	100.00	6.85e+07	1.34	y	34:11	-	1.05	y
26	C/Up	13C-PCB-111	100.00	8.19e+07	1.64	y	36:15	-	1.25	y
27	RS	13C-PCB-101	100.00	6.54e+07	1.65	y	34:36	6.54e+05	-	n
28	Unk	PCB-123	0.20	2.03e+05	1.64	y	38:19	-	1.18	y
29	IS	13C-PCB-123	100.00	8.58e+07	1.59	y	38:17	-	1.31	y
30	Unk	PCB-118	0.20	2.17e+05	1.56	y	38:29	-	1.21	y
31	IS	13C-PCB-118	100.00	8.95e+07	1.61	y	38:27	-	1.36	y
32	Unk	PCB-114	0.20	2.03e+05	1.53	y	39:07	-	1.18	y
33	IS	13C-PCB-114	100.00	8.55e+07	1.61	y	39:05	-	1.30	y
34	Unk	PCB-105	0.20	2.16e+05	1.33	y	39:54	-	1.24	y
35	IS	13C-PCB-105	100.00	8.70e+07	1.57	y	39:53	-	1.32	y
36	Unk	PCB-126	0.20	1.67e+05	1.67	y	42:01	-	1.11	y
37	IS	13C-PCB-126	100.00	7.54e+07	1.59	y	41:60	-	1.15	y
38	Unk	PCB-167	0.20	1.85e+05	1.18	y	43:23	-	1.20	y
39	IS	13C-PCB-167	100.00	7.72e+07	1.29	y	43:23	-	1.18	y
40	Unk	PCB-156	0.20	1.81e+05	1.13	y	44:38	-	1.20	y
41	IS	13C-PCB-156	100.00	7.51e+07	1.28	y	44:36	-	1.14	y
42	Unk	PCB-157	0.20	1.73e+05	1.14	y	44:52	-	1.15	y
43	IS	13C-PCB-157	100.00	7.51e+07	1.29	y	44:51	-	1.14	y
44	Unk	PCB-169	0.20	1.57e+05	1.24	y	46:44	-	1.12	y
45	IS	13C-PCB-169	100.00	7.01e+07	1.28	y	46:43	-	1.07	y
46	Unk	PCB-188	0.20	1.66e+05	1.18	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	7.49e+07	1.07	y	39:41	-	1.14	y
48	Unk	PCB-189	0.20	1.31e+05	1.12	y	48:25	-	1.16	y
49	IS	13C-PCB-189	100.00	5.64e+07	1.05	y	48:23	-	0.858	y
50	Unk	PCB-202	0.20	1.29e+05	0.93	y	44:49	-	1.14	y
51	IS	13C-PCB-202	100.00	5.65e+07	0.90	y	44:47	-	0.859	y
52	C/Up	13C-PCB-178	100.00	4.70e+07	1.07	y	42:19	-	0.715	y
53	RS	13C-PCB-138	100.00	6.57e+07	1.28	y	41:32	6.57e+05	-	n

54	Unk	PCB-205	0.20	1.52e+05	0.99	y	50:03	-	1.20	y
55	IS	13C-PCB-205	100.00	6.36e+07	0.89	y	50:02	-	1.31	y
56	Unk	PCB-208	0.20	1.50e+05	1.24	y	49:08	-	1.09	y
57	IS	13C-PCB-208	100.00	6.92e+07	0.80	y	49:07	-	1.43	y
58	Unk	PCB-206	0.20	1.04e+05	1.18	y	51:15	-	1.09	y
59	IS	13C-PCB-206	100.00	4.77e+07	0.78	y	51:14	-	0.986	y
60	Unk	PCB-209	0.20	1.25e+05	1.22	y	52:26	-	1.31	y
61	IS	13C-PCB-209	100.00	4.77e+07	1.19	y	52:25	-	0.985	y
62	RS	13C-PCB-194	100.00	4.84e+07	0.90	y	49:48	4.84e+05	-	n

Analyst: _____ Date: 7/28/20

Run #2 Filename 22JUL20Z S: 2 Acquired: 22-JUL-20 09:02:30 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z1 Analyte: FAL ID: 1668 CS199 R170213A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	1.00	9.47e+05	3.10	y	14:32	-	1.24	y
2	IS/RT	13C-PCB-1	100.00	7.65e+07	3.20	y	14:32	-	0.874	y
3	Unk	PCB-3	1.00	9.95e+05	3.18	y	16:57	-	1.28	y
4	IS/RT	13C-PCB-3	100.00	7.75e+07	3.21	y	16:57	-	0.885	y
5	Unk	PCB-4	1.00	6.70e+05	1.36	y	18:12	-	1.20	y
6	IS/RT	13C-PCB-4	100.00	5.60e+07	1.58	y	18:11	-	0.639	y
7	Unk	PCB-15	1.00	1.10e+06	1.39	y	23:42	-	1.15	y
8	IS/RT	13C-PCB-15	100.00	9.58e+07	1.58	y	23:41	-	1.09	y
9	Unk	PCB-19	1.00	5.52e+05	1.05	y	22:05	-	1.22	y
10	IS/RT	13C-PCB-19	100.00	4.54e+07	1.07	y	22:04	-	0.518	y
11	RS	13C-PCB-9	100.00	8.76e+07	1.59	y	19:51	8.76e+05	-	n
12	Unk	PCB-37	1.00	8.91e+05	1.06	y	30:20	-	1.16	y
13	IS	13C-PCB-37	100.00	7.71e+07	1.05	y	30:19	-	1.67	y
14	Unk	PCB-54	1.00	7.00e+05	0.82	y	25:37	-	1.23	y
15	IS/RT	13C-PCB-54	100.00	5.71e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	1.00	5.59e+05	1.62	y	30:02	-	1.20	y
17	IS	13C-PCB-104	100.00	4.68e+07	1.59	y	30:01	-	1.01	y
18	C/Up	13C-PCB-28	100.00	8.11e+07	1.05	y	26:40	-	1.76	y
19	RS	13C-PCB-52	100.00	4.62e+07	0.78	y	28:55	4.62e+05	-	n
20	Unk	PCB-81	1.00	7.49e+05	0.76	y	36:06	-	1.17	y
21	IS	13C-PCB-81	100.00	6.40e+07	0.80	y	36:05	-	1.53	y
22	Unk	PCB-77	1.00	7.47e+05	0.81	y	36:39	-	1.13	y
23	IS/RT	13C-PCB-77	100.00	6.59e+07	0.80	y	36:38	-	1.57	y
24	Unk	PCB-155	1.00	5.57e+05	1.27	y	34:12	-	1.17	y
25	IS	13C-PCB-155	100.00	4.75e+07	1.33	y	34:11	-	1.13	y
26	C/Up	13C-PCB-111	100.00	5.37e+07	1.61	y	36:15	-	1.28	y
27	RS	13C-PCB-101	100.00	4.19e+07	1.63	y	34:36	4.19e+05	-	n
28	Unk	PCB-123	1.00	5.98e+05	1.65	y	38:17	-	1.14	y
29	IS	13C-PCB-123	100.00	5.25e+07	1.59	y	38:17	-	1.24	y
30	Unk	PCB-118	1.00	6.52e+05	1.71	y	38:27	-	1.17	y
31	IS	13C-PCB-118	100.00	5.59e+07	1.59	y	38:27	-	1.32	y
32	Unk	PCB-114	1.00	6.40e+05	1.57	y	39:05	-	1.17	y
33	IS	13C-PCB-114	100.00	5.47e+07	1.59	y	39:04	-	1.30	y
34	Unk	PCB-105	1.00	5.98e+05	1.54	y	39:55	-	1.09	y
35	IS	13C-PCB-105	100.00	5.50e+07	1.62	y	39:53	-	1.30	y
36	Unk	PCB-126	1.00	5.71e+05	1.51	y	41:60	-	1.10	y
37	IS	13C-PCB-126	100.00	5.18e+07	1.60	y	41:60	-	1.23	y
38	Unk	PCB-167	1.00	5.92e+05	1.30	y	43:22	-	1.16	y
39	IS	13C-PCB-167	100.00	5.10e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	1.00	5.81e+05	1.27	y	44:36	-	1.17	y
41	IS	13C-PCB-156	100.00	4.96e+07	1.29	y	44:34	-	1.17	y
42	Unk	PCB-157	1.00	5.45e+05	1.27	y	44:52	-	1.08	y
43	IS	13C-PCB-157	100.00	5.03e+07	1.30	y	44:51	-	1.19	y
44	Unk	PCB-169	1.00	5.33e+05	1.22	y	46:43	-	1.10	y
45	IS	13C-PCB-169	100.00	4.85e+07	1.27	y	46:43	-	1.15	y
46	Unk	PCB-188	1.00	5.25e+05	1.11	y	39:41	-	1.13	y
47	IS	13C-PCB-188	100.00	4.66e+07	1.07	y	39:40	-	1.10	y
48	Unk	PCB-189	1.00	4.29e+05	1.08	y	48:23	-	1.08	y
49	IS	13C-PCB-189	100.00	3.99e+07	1.06	y	48:23	-	0.944	y
50	Unk	PCB-202	1.00	4.51e+05	0.85	y	44:48	-	1.09	y
51	IS	13C-PCB-202	100.00	4.14e+07	0.91	y	44:46	-	0.981	y
52	C/Up	13C-PCB-178	100.00	3.37e+07	1.07	y	42:18	-	0.797	y
53	RS	13C-PCB-138	100.00	4.22e+07	1.29	y	41:30	4.22e+05	-	n

54	Unk	PCB-205	1.00	4.80e+05	0.86	y	50:04	-	1.13	y	
55	IS	13C-PCB-205	100.00	4.24e+07	0.90	y	50:02	-	1.28	y	
56	Unk	PCB-208	1.00	4.59e+05	1.27	y	49:07	-	1.03	y	
57	IS	13C-PCB-208	100.00	4.45e+07	0.80	y	49:07	-	1.34	y	
58	Unk	PCB-206	1.00	3.28e+05	1.34	y	51:14	-	1.09	y	
59	IS	13C-PCB-206	100.00	3.00e+07	0.80	y	51:14	-	0.907	y	
60	Unk	PCB-209	1.00	4.02e+05	1.07	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.64e+07	1.20	y	52:25	-	1.10	y	
62	RS	13C-PCB-194	100.00	3.31e+07	0.91	y	49:47	3.31e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #3 Filename 22JUL20Z S: 3 Acquired: 22-JUL-20 10:00:51 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z2 Analyte: FAL ID: 1668 CS299 R170213B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	5.00	4.71e+06	3.12	y	14:32	-	1.18	y
2	IS/RT	13C-PCB-1	100.00	8.00e+07	3.21	y	14:31	-	0.903	y
3	Unk	PCB-3	5.00	5.01e+06	3.05	y	16:57	-	1.21	y
4	IS/RT	13C-PCB-3	100.00	8.27e+07	3.23	y	16:56	-	0.934	y
5	Unk	PCB-4	5.00	3.26e+06	1.38	y	18:12	-	1.12	y
6	IS/RT	13C-PCB-4	100.00	5.84e+07	1.58	y	18:11	-	0.659	y
7	Unk	PCB-15	5.00	5.08e+06	1.41	y	23:43	-	1.10	y
8	IS/RT	13C-PCB-15	100.00	9.25e+07	1.59	y	23:41	-	1.04	y
9	Unk	PCB-19	5.00	2.61e+06	1.06	y	22:05	-	1.21	y
10	IS/RT	13C-PCB-19	100.00	4.33e+07	1.09	y	22:04	-	0.489	y
11	RS	13C-PCB-9	100.00	8.86e+07	1.57	y	19:51	8.86e+05	-	n
12	Unk	PCB-37	5.00	4.07e+06	1.06	y	30:19	-	1.13	y
13	IS	13C-PCB-37	100.00	7.21e+07	1.07	y	30:18	-	1.56	y
14	Unk	PCB-54	5.00	3.37e+06	0.76	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.70e+07	0.80	y	25:35	-	1.23	y
16	Unk	PCB-104	5.00	2.62e+06	1.49	y	30:02	-	1.16	y
17	IS	13C-PCB-104	100.00	4.53e+07	1.58	y	30:00	-	0.976	y
18	C/Up	13C-PCB-28	100.00	7.91e+07	1.06	y	26:39	-	1.71	y
19	RS	13C-PCB-52	100.00	4.63e+07	0.79	y	28:55	4.63e+05	-	n
20	Unk	PCB-81	5.00	3.55e+06	0.78	y	36:06	-	1.16	y
21	IS	13C-PCB-81	100.00	6.12e+07	0.80	y	36:04	-	1.53	y
22	Unk	PCB-77	5.00	3.56e+06	0.80	y	36:38	-	1.12	y
23	IS/RT	13C-PCB-77	100.00	6.35e+07	0.80	y	36:37	-	1.59	y
24	Unk	PCB-155	5.00	2.52e+06	1.26	y	34:12	-	1.14	y
25	IS	13C-PCB-155	100.00	4.43e+07	1.36	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	5.19e+07	1.62	y	36:14	-	1.30	y
27	RS	13C-PCB-101	100.00	3.99e+07	1.67	y	34:36	3.99e+05	-	n
28	Unk	PCB-123	5.00	2.84e+06	1.54	y	38:17	-	1.08	y
29	IS	13C-PCB-123	100.00	5.24e+07	1.61	y	38:17	-	1.30	y
30	Unk	PCB-118	5.00	3.05e+06	1.53	y	38:29	-	1.15	y
31	IS	13C-PCB-118	100.00	5.32e+07	1.63	y	38:27	-	1.32	y
32	Unk	PCB-114	5.00	2.89e+06	1.60	y	39:05	-	1.16	y
33	IS	13C-PCB-114	100.00	5.00e+07	1.63	y	39:03	-	1.24	y
34	Unk	PCB-105	5.00	2.82e+06	1.48	y	39:54	-	1.10	y
35	IS	13C-PCB-105	100.00	5.15e+07	1.63	y	39:53	-	1.28	y
36	Unk	PCB-126	5.00	2.74e+06	1.60	y	41:59	-	1.10	y
37	IS	13C-PCB-126	100.00	5.00e+07	1.62	y	41:59	-	1.24	y
38	Unk	PCB-167	5.00	2.74e+06	1.23	y	43:23	-	1.12	y
39	IS	13C-PCB-167	100.00	4.89e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	5.00	2.60e+06	1.21	y	44:36	-	1.14	y
41	IS	13C-PCB-156	100.00	4.55e+07	1.27	y	44:36	-	1.13	y
42	Unk	PCB-157	5.00	2.59e+06	1.22	y	44:50	-	1.11	y
43	IS	13C-PCB-157	100.00	4.69e+07	1.27	y	44:50	-	1.16	y
44	Unk	PCB-169	5.00	2.43e+06	1.20	y	46:42	-	1.09	y
45	IS	13C-PCB-169	100.00	4.45e+07	1.28	y	46:42	-	1.10	y
46	Unk	PCB-188	5.00	2.62e+06	1.05	y	39:41	-	1.15	y
47	IS	13C-PCB-188	100.00	4.57e+07	1.07	y	39:39	-	1.13	y
48	Unk	PCB-189	5.00	2.05e+06	1.03	y	48:23	-	1.09	y
49	IS	13C-PCB-189	100.00	3.75e+07	1.07	y	48:23	-	0.929	y
50	Unk	PCB-202	5.00	1.97e+06	0.95	y	44:47	-	1.03	y
51	IS	13C-PCB-202	100.00	3.81e+07	0.90	y	44:46	-	0.944	y
52	C/Up	13C-PCB-178	100.00	3.17e+07	1.06	y	42:17	-	0.784	y
53	RS	13C-PCB-138	100.00	4.04e+07	1.27	y	41:30	4.04e+05	-	n

54	Unk	PCB-205	5.00	2.15e+06	0.89	y	50:03	-	1.12	y	
55	IS	13C-PCB-205	100.00	3.85e+07	0.91	y	50:02	-	1.25	y	
56	Unk	PCB-208	5.00	2.16e+06	1.40	y	49:08	-	1.04	y	
57	IS	13C-PCB-208	100.00	4.14e+07	0.79	y	49:07	-	1.34	y	
58	Unk	PCB-206	5.00	1.47e+06	1.38	y	51:14	-	1.07	y	
59	IS	13C-PCB-206	100.00	2.75e+07	0.78	y	51:14	-	0.892	y	
60	Unk	PCB-209	5.00	2.00e+06	1.15	y	52:24	-	1.17	y	
61	IS	13C-PCB-209	100.00	3.44e+07	1.20	y	52:24	-	1.11	y	
62	RS	13C-PCB-194	100.00	3.08e+07	0.91	y	49:46	3.08e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #4 Filename 22JUL20Z S: 4 Acquired: 22-JUL-20 10:59:13 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z3 Analyte: FAL ID: 1668 CS399 R190905A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	50.00	4.01e+07	3.17	y	14:32	-	1.15	y
2	IS/RT	13C-PCB-1	100.00	6.96e+07	3.19	y	14:31	-	0.898	y
3	Unk	PCB-3	50.00	4.19e+07	3.20	y	16:57	-	1.17	y
4	IS/RT	13C-PCB-3	100.00	7.16e+07	3.23	y	16:56	-	0.923	y
5	Unk	PCB-4	50.00	2.64e+07	1.52	y	18:12	-	1.03	y
6	IS/RT	13C-PCB-4	100.00	5.11e+07	1.56	y	18:11	-	0.659	y
7	Unk	PCB-15	50.00	4.24e+07	1.52	y	23:42	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.28e+07	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	50.00	2.28e+07	1.06	y	22:05	-	1.15	y
10	IS/RT	13C-PCB-19	100.00	3.94e+07	1.08	y	22:03	-	0.509	y
11	RS	13C-PCB-9	100.00	7.75e+07	1.61	y	19:51	7.75e+05	-	n
12	Unk	PCB-37	50.00	3.56e+07	1.06	y	30:20	-	1.06	y
13	IS	13C-PCB-37	100.00	6.71e+07	1.06	y	30:18	-	1.68	y
14	Unk	PCB-54	50.00	3.03e+07	0.78	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.15e+07	0.80	y	25:35	-	1.29	y
16	Unk	PCB-104	50.00	2.24e+07	1.55	y	30:02	-	1.09	y
17	IS	13C-PCB-104	100.00	4.09e+07	1.59	y	30:01	-	1.02	y
18	C/Up	13C-PCB-28	100.00	7.00e+07	1.04	y	26:38	-	1.75	y
19	RS	13C-PCB-52	100.00	4.00e+07	0.78	y	28:55	4.00e+05	-	n
20	Unk	PCB-81	50.00	3.00e+07	0.76	y	36:06	-	1.10	y
21	IS	13C-PCB-81	100.00	5.48e+07	0.79	y	36:04	-	1.52	y
22	Unk	PCB-77	50.00	2.97e+07	0.79	y	36:39	-	1.07	y
23	IS/RT	13C-PCB-77	100.00	5.55e+07	0.80	y	36:37	-	1.54	y
24	Unk	PCB-155	50.00	2.24e+07	1.28	y	34:11	-	1.09	y
25	IS	13C-PCB-155	100.00	4.10e+07	1.33	y	34:09	-	1.13	y
26	C/Up	13C-PCB-111	100.00	4.57e+07	1.61	y	36:13	-	1.26	y
27	RS	13C-PCB-101	100.00	3.62e+07	1.64	y	34:36	3.62e+05	-	n
28	Unk	PCB-123	50.00	2.48e+07	1.58	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.53e+07	1.59	y	38:16	-	1.25	y
30	Unk	PCB-118	50.00	2.61e+07	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	4.88e+07	1.60	y	38:25	-	1.35	y
32	Unk	PCB-114	50.00	2.50e+07	1.59	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.62e+07	1.60	y	39:03	-	1.28	y
34	Unk	PCB-105	50.00	2.41e+07	1.58	y	39:53	-	1.07	y
35	IS	13C-PCB-105	100.00	4.51e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	50.00	2.21e+07	1.55	y	41:59	-	1.08	y
37	IS	13C-PCB-126	100.00	4.08e+07	1.62	y	41:58	-	1.13	y
38	Unk	PCB-167	50.00	2.29e+07	1.24	y	43:22	-	1.07	y
39	IS	13C-PCB-167	100.00	4.26e+07	1.29	y	43:22	-	1.18	y
40	Unk	PCB-156	50.00	2.29e+07	1.25	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.20e+07	1.27	y	44:34	-	1.16	y
42	Unk	PCB-157	50.00	2.26e+07	1.26	y	44:51	-	1.06	y
43	IS	13C-PCB-157	100.00	4.25e+07	1.27	y	44:49	-	1.17	y
44	Unk	PCB-169	50.00	2.20e+07	1.28	y	46:43	-	1.08	y
45	IS	13C-PCB-169	100.00	4.05e+07	1.27	y	46:43	-	1.12	y
46	Unk	PCB-188	50.00	2.17e+07	1.05	y	39:41	-	1.09	y
47	IS	13C-PCB-188	100.00	3.97e+07	1.08	y	39:40	-	1.10	y
48	Unk	PCB-189	50.00	1.83e+07	1.05	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.41e+07	1.07	y	48:23	-	0.941	y
50	Unk	PCB-202	50.00	1.80e+07	0.92	y	44:47	-	1.02	y
51	IS	13C-PCB-202	100.00	3.53e+07	0.91	y	44:46	-	0.975	y
52	C/Up	13C-PCB-178	100.00	2.76e+07	1.05	y	42:18	-	0.763	y
53	RS	13C-PCB-138	100.00	3.62e+07	1.29	y	41:30	3.62e+05	-	n

54	Unk	PCB-205	50.00	1.96e+07	0.90	y	50:02	-	1.07	y	
55	IS	13C-PCB-205	100.00	3.65e+07	0.88	y	50:02	-	1.29	y	
56	Unk	PCB-208	50.00	1.96e+07	1.36	y	49:07	-	0.998	y	
57	IS	13C-PCB-208	100.00	3.92e+07	0.80	y	49:07	-	1.39	y	
58	Unk	PCB-206	50.00	1.30e+07	1.33	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.51e+07	0.79	y	51:13	-	0.888	y	
60	Unk	PCB-209	50.00	1.70e+07	1.18	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.07e+07	1.22	y	52:25	-	1.09	y	
62	RS	13C-PCB-194	100.00	2.82e+07	0.90	y	49:47	2.82e+05	-	n	

Analyst: [illegible] Date: 7/28/21

Run #5 Filename 22JUL20Z S: 5 Acquired: 22-JUL-20 11:57:34 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z4 Analyte: FAL ID: 1668 CS499 R181022B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	400.00	3.43e+08	3.16	y	14:31	-	1.14	y
2	IS/RT	13C-PCB-1	100.00	7.50e+07	3.19	y	14:30	-	0.946	y
3	Unk	PCB-3	400.00	3.61e+08	3.17	y	16:56	-	1.19	y
4	IS/RT	13C-PCB-3	100.00	7.62e+07	3.23	y	16:55	-	0.962	y
5	Unk	PCB-4	400.00	2.26e+08	1.54	y	18:11	-	1.05	y
6	IS/RT	13C-PCB-4	100.00	5.37e+07	1.55	y	18:10	-	0.678	y
7	Unk	PCB-15	400.00	3.58e+08	1.54	y	23:41	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.76e+07	1.60	y	23:40	-	1.11	y
9	Unk	PCB-19	400.00	1.89e+08	1.05	y	22:04	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	4.09e+07	1.08	y	22:03	-	0.516	y
11	RS	13C-PCB-9	100.00	7.92e+07	1.59	y	19:50	7.92e+05	-	n
12	Unk	PCB-37	400.00	3.02e+08	1.07	y	30:20	-	1.12	y
13	IS	13C-PCB-37	100.00	6.75e+07	1.06	y	30:19	-	1.65	y
14	Unk	PCB-54	400.00	2.48e+08	0.77	y	25:35	-	1.17	y
15	IS/RT	13C-PCB-54	100.00	5.30e+07	0.80	y	25:34	-	1.29	y
16	Unk	PCB-104	400.00	1.90e+08	1.57	y	30:02	-	1.12	y
17	IS	13C-PCB-104	100.00	4.26e+07	1.59	y	30:01	-	1.04	y
18	C/Up	13C-PCB-28	100.00	6.89e+07	1.07	y	26:39	-	1.68	y
19	RS	13C-PCB-52	100.00	4.10e+07	0.78	y	28:55	4.10e+05	-	n
20	Unk	PCB-81	400.00	2.61e+08	0.78	y	36:05	-	1.13	y
21	IS	13C-PCB-81	100.00	5.80e+07	0.79	y	36:05	-	1.58	y
22	Unk	PCB-77	400.00	2.59e+08	0.77	y	36:39	-	1.08	y
23	IS/RT	13C-PCB-77	100.00	6.00e+07	0.80	y	36:38	-	1.63	y
24	Unk	PCB-155	400.00	1.80e+08	1.31	y	34:12	-	1.12	y
25	IS	13C-PCB-155	100.00	4.01e+07	1.35	y	34:10	-	1.09	y
26	C/Up	13C-PCB-111	100.00	4.71e+07	1.61	y	36:13	-	1.28	y
27	RS	13C-PCB-101	100.00	3.68e+07	1.68	y	34:36	3.68e+05	-	n
28	Unk	PCB-123	400.00	2.09e+08	1.57	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.81e+07	1.59	y	38:16	-	1.35	y
30	Unk	PCB-118	400.00	2.18e+08	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	5.08e+07	1.61	y	38:27	-	1.42	y
32	Unk	PCB-114	400.00	2.10e+08	1.55	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.84e+07	1.59	y	39:04	-	1.36	y
34	Unk	PCB-105	400.00	1.89e+08	1.59	y	39:53	-	1.06	y
35	IS	13C-PCB-105	100.00	4.46e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	400.00	1.98e+08	1.58	y	41:60	-	1.09	y
37	IS	13C-PCB-126	100.00	4.52e+07	1.60	y	41:60	-	1.27	y
38	Unk	PCB-167	400.00	1.94e+08	1.22	y	43:22	-	1.06	y
39	IS	13C-PCB-167	100.00	4.56e+07	1.26	y	43:22	-	1.28	y
40	Unk	PCB-156	400.00	1.95e+08	1.22	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.48e+07	1.27	y	44:34	-	1.26	y
42	Unk	PCB-157	400.00	1.92e+08	1.26	y	44:51	-	1.05	y
43	IS	13C-PCB-157	100.00	4.56e+07	1.27	y	44:49	-	1.28	y
44	Unk	PCB-169	400.00	1.85e+08	1.24	y	46:43	-	1.05	y
45	IS	13C-PCB-169	100.00	4.40e+07	1.25	y	46:43	-	1.23	y
46	Unk	PCB-188	400.00	1.81e+08	1.05	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	4.08e+07	1.07	y	39:40	-	1.14	y
48	Unk	PCB-189	400.00	1.52e+08	1.06	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.54e+07	1.06	y	48:23	-	0.991	y
50	Unk	PCB-202	400.00	1.40e+08	0.93	y	44:48	-	0.986	y
51	IS	13C-PCB-202	100.00	3.56e+07	0.91	y	44:46	-	0.996	y
52	C/Up	13C-PCB-178	100.00	2.84e+07	1.06	y	42:18	-	0.794	y
53	RS	13C-PCB-138	100.00	3.57e+07	1.29	y	41:30	3.57e+05	-	n

54	Unk	PCB-205	400.00	1.64e+08	0.88	y	50:02	-	1.06	y	
55	IS	13C-PCB-205	100.00	3.87e+07	0.89	y	50:02	-	1.35	y	
56	Unk	PCB-208	400.00	1.59e+08	1.33	y	49:07	-	0.989	y	
57	IS	13C-PCB-208	100.00	4.02e+07	0.81	y	49:07	-	1.40	y	
58	Unk	PCB-206	400.00	1.14e+08	1.34	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.74e+07	0.80	y	51:13	-	0.954	y	
60	Unk	PCB-209	400.00	1.47e+08	1.18	y	52:25	-	1.12	y	
61	IS	13C-PCB-209	100.00	3.29e+07	1.19	y	52:23	-	1.15	y	
62	RS	13C-PCB-194	100.00	2.87e+07	0.90	y	49:47	2.87e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #6 Filename 22JUL20Z S: 6 Acquired: 22-JUL-20 12:55:55 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z5 Analyte: 1668PCBFAL4-7-22-20 FAL ID: 1668 CS599 R130426C

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	2000.00	2.88e+09	3.17	y	14:30	-	1.17	y
2	IS/RT	13C-PCB-1	100.00	1.23e+08	3.18	y	14:29	-	0.884	y
3	Unk	PCB-3	2000.00	3.04e+09	3.14	y	16:56	-	1.15	y
4	IS/RT	13C-PCB-3	100.00	1.32e+08	3.18	y	16:55	-	0.951	y
5	Unk	PCB-4	2000.00	1.89e+09	1.53	y	18:12	-	1.02	y
6	IS/RT	13C-PCB-4	100.00	9.25e+07	1.58	y	18:10	-	0.665	y
7	Unk	PCB-15	2000.00	3.23e+09	1.54	y	23:43	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	1.58e+08	1.57	y	23:41	-	1.14	y
9	Unk	PCB-19	2000.00	1.62e+09	1.05	y	22:05	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	7.00e+07	1.07	y	22:04	-	0.503	y
11	RS	13C-PCB-9	100.00	1.39e+08	1.59	y	19:51	1.39e+06	-	n
12	Unk	PCB-37	2000.00	2.63e+09	1.06	y	30:21	-	1.12	y
13	IS	13C-PCB-37	100.00	1.17e+08	1.06	y	30:19	-	1.55	y
14	Unk	PCB-54	2000.00	2.07e+09	0.77	y	25:38	-	1.11	y
15	IS/RT	13C-PCB-54	100.00	9.34e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	2000.00	1.56e+09	1.55	y	30:03	-	1.03	y
17	IS	13C-PCB-104	100.00	7.52e+07	1.59	y	30:02	-	0.995	y
18	C/Up	13C-PCB-28	100.00	1.24e+08	1.06	y	26:39	-	1.65	y
19	RS	13C-PCB-52	100.00	7.56e+07	0.80	y	28:56	7.56e+05	-	n
20	Unk	PCB-81	2000.00	2.34e+09	0.78	y	36:07	-	1.03	y
21	IS	13C-PCB-81	100.00	1.13e+08	0.79	y	36:06	-	1.73	y
22	Unk	PCB-77	2000.00	2.34e+09	0.79	y	36:40	-	1.01	y
23	IS/RT	13C-PCB-77	100.00	1.16e+08	0.78	y	36:38	-	1.77	y
24	Unk	PCB-155	2000.00	1.56e+09	1.29	y	34:13	-	1.08	y
25	IS	13C-PCB-155	100.00	7.27e+07	1.33	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	8.21e+07	1.60	y	36:14	-	1.25	y
27	RS	13C-PCB-101	100.00	6.56e+07	1.63	y	34:37	6.56e+05	-	n
28	Unk	PCB-123	2000.00	1.83e+09	1.59	y	38:19	-	1.07	y
29	IS	13C-PCB-123	100.00	8.57e+07	1.61	y	38:17	-	1.25	y
30	Unk	PCB-118	2000.00	1.95e+09	1.58	y	38:29	-	1.06	y
31	IS	13C-PCB-118	100.00	9.20e+07	1.61	y	38:27	-	1.35	y
32	Unk	PCB-114	2000.00	1.93e+09	1.58	y	39:06	-	1.09	y
33	IS	13C-PCB-114	100.00	8.84e+07	1.59	y	39:05	-	1.29	y
34	Unk	PCB-105	2000.00	1.88e+09	1.59	y	39:54	-	1.07	y
35	IS	13C-PCB-105	100.00	8.81e+07	1.59	y	39:53	-	1.29	y
36	Unk	PCB-126	2000.00	1.95e+09	1.59	y	42:01	-	1.03	y
37	IS	13C-PCB-126	100.00	9.45e+07	1.60	y	41:59	-	1.38	y
38	Unk	PCB-167	2000.00	1.86e+09	1.24	y	43:23	-	1.03	y
39	IS	13C-PCB-167	100.00	9.03e+07	1.28	y	43:22	-	1.32	y
40	Unk	PCB-156	2000.00	1.85e+09	1.24	y	44:37	-	1.07	y
41	IS	13C-PCB-156	100.00	8.66e+07	1.27	y	44:36	-	1.27	y
42	Unk	PCB-157	2000.00	1.90e+09	1.24	y	44:52	-	1.04	y
43	IS	13C-PCB-157	100.00	9.13e+07	1.27	y	44:51	-	1.34	y
44	Unk	PCB-169	2000.00	1.87e+09	1.24	y	46:44	-	1.02	y
45	IS	13C-PCB-169	100.00	9.21e+07	1.27	y	46:42	-	1.35	y
46	Unk	PCB-188	2000.00	1.59e+09	1.04	y	39:41	-	1.01	y
47	IS	13C-PCB-188	100.00	7.85e+07	1.05	y	39:41	-	1.15	y
48	Unk	PCB-189	2000.00	1.44e+09	1.05	y	48:25	-	0.936	y
49	IS	13C-PCB-189	100.00	7.71e+07	1.05	y	48:23	-	1.13	y
50	Unk	PCB-202	2000.00	1.22e+09	0.94	y	44:49	-	0.910	y
51	IS	13C-PCB-202	100.00	6.69e+07	0.91	y	44:47	-	0.980	y
52	C/Up	13C-PCB-178	100.00	5.50e+07	1.08	y	42:17	-	0.805	y
53	RS	13C-PCB-138	100.00	6.83e+07	1.28	y	41:31	6.83e+05	-	n

54	Unk	PCB-205	2000.00	1.56e+09	0.90	y	50:03	-	0.932	y	
55	IS	13C-PCB-205	100.00	8.39e+07	0.90	y	50:02	-	1.42	y	
56	Unk	PCB-208	2000.00	1.44e+09	1.35	y	49:08	-	0.901	y	
57	IS	13C-PCB-208	100.00	7.99e+07	0.80	y	49:07	-	1.35	y	
58	Unk	PCB-206	2000.00	1.07e+09	1.31	y	51:14	-	0.909	y	
59	IS	13C-PCB-206	100.00	5.90e+07	0.78	y	51:14	-	0.995	y	
60	Unk	PCB-209	2000.00	1.34e+09	1.20	y	52:24	-	0.951	y	
61	IS	13C-PCB-209	100.00	7.03e+07	1.20	y	52:24	-	1.19	y	
62	RS	13C-PCB-194	100.00	5.93e+07	0.88	y	49:46	5.93e+05	-	n	

Analyst: [illegible] Date: 7/28/26

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.17	2.66-3.60	y	47.6	37.5 - 62.5
PCB-3	M/M+2	3.20	2.66-3.60	y	47.5	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	45.3	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	46.9	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	47.7	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	46.4	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	49.7	37.5 - 62.5
PCB-77	M/M+2	0.79	0.65-0.89	y	48.6	37.5 - 62.5
PCB-81	M/M+2	0.76	0.65-0.89	y	48.4	37.5 - 62.5
PCB-104	M+2/M+4	1.55	1.32-1.78	y	49.0	37.5 - 62.5
PCB-105	M+2/M+4	1.58	1.32-1.78	y	48.5	37.5 - 62.5
PCB-114	M+2/M+4	1.59	1.32-1.78	y	47.9	37.5 - 62.5
PCB-118	M+2/M+4	1.58	1.32-1.78	y	47.8	37.5 - 62.5
PCB-123	M+2/M+4	1.58	1.32-1.78	y	49.3	37.5 - 62.5
PCB-126	M+2/M+4	1.55	1.32-1.78	y	49.9	37.5 - 62.5
PCB-155	M+2/M+4	1.28	1.05-1.43	y	48.2	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	48.4	37.5 - 62.5
PCB-157	M+2/M+4	1.26	1.05-1.43	y	49.2	37.5 - 62.5
PCB-167	M+2/M+4	1.24	1.05-1.43	y	48.4	37.5 - 62.5
PCB-169	M+2/M+4	1.28	1.05-1.43	y	50.3	37.5 - 62.5
PCB-188	M+2/M+4	1.05	0.89-1.21	y	49.8	37.5 - 62.5
PCB-189	M+2/M+4	1.05	0.89-1.21	y	50.2	37.5 - 62.5
PCB-202	M+2/M+4	0.92	0.76-1.02	y	49.5	37.5 - 62.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	49.5	37.5 - 62.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	49.9	37.5 - 62.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	49.5	37.5 - 62.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	49.1	37.5 - 62.5

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.19	2.66-3.60	y	99.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	99.3	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	98.2	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	101	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	95.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.5	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	100	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	97.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	98.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	99.5	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	97.6	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	91.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	103	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	97.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	96.7	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	95.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	97.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	97.5	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	102	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	98.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	98.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	101	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	99.4	75.0 - 125
13C-PCB-178	M+2/M+4	1.05	0.89-1.21	y	98.3	75.0 - 125

Analyst: _____ Date: 7/22/20

FAL ID: ST072220Z3 Filename: 22JUL20Z Sam:4 Acquired: 22-JUL-20 10:59:13 ICal: 1668PCBFAL4-7-22-20
Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.01e+07	3.17 y	14:32	1.21	47.6		2.50	-	-	*	-
13C-PCB-1	6.96e+07	3.19 y	14:31	0.90	99.9		2.50				99.9
PCB-3	4.19e+07	3.20 y	16:57	1.23	47.5		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.23 y	16:56	0.93	99.3		2.50				99.3
PCB-4	2.64e+07	1.52 y	18:12	1.14	45.3		2.50	-	-	*	-
13C-PCB-4	5.11e+07	1.56 y	18:11	0.66	100.0		2.50				100.0
PCB-15	4.24e+07	1.52 y	23:42	1.09	46.9		2.50	-	-	*	-
13C-PCB-15	8.28e+07	1.58 y	23:41	1.09	98.2		2.50				98.2
PCB-19	2.28e+07	1.06 y	22:05	1.21	47.7		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.08 y	22:03	0.50	101		2.50				101
13C-PCB-9	7.75e+07	1.61 y	19:51	-	76.0		2.50				
PCB-37	3.56e+07	1.06 y	30:20	1.14	46.4		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.06 y	30:18	1.64	102		2.50				102
PCB-54	3.03e+07	0.78 y	25:36	1.18	49.7		2.50	-	-	*	-
13C-PCB-54	5.15e+07	0.80 y	25:35	1.26	102		2.50				102
PCB-104	2.24e+07	1.55 y	30:02	1.12	49.0		2.50	-	-	*	-
13C-PCB-104	4.09e+07	1.59 y	30:01	1.02	100		2.50				100
13C-PCB-28	7.00e+07	1.04 y	26:38	1.73	101		2.50				101
13C-PCB-52	4.00e+07	0.78 y	28:55	-	75.3		2.50				
PCB-81	3.00e+07	0.76 y	36:06	1.13	48.4		2.50	-	-	*	-
13C-PCB-81	5.48e+07	0.79 y	36:04	1.57	96.5		2.50				96.5
PCB-77	2.97e+07	0.79 y	36:39	1.10	48.6		2.50	-	-	*	-
13C-PCB-77	5.55e+07	0.80 y	36:37	1.61	95.2		2.50				95.2
PCB-155	2.24e+07	1.28 y	34:11	1.13	48.2		2.50	-	-	*	-
13C-PCB-155	4.10e+07	1.33 y	34:09	1.10	103		2.50				103
13C-PCB-111	4.57e+07	1.61 y	36:13	1.27	99.4		2.50				99.4
13C-PCB-101	3.62e+07	1.64 y	34:36	-	75.9		2.50				
PCB-123	2.48e+07	1.58 y	38:17	1.11	49.3		2.50	-	-	*	-
13C-PCB-123	4.53e+07	1.59 y	38:16	1.28	97.6		2.50				97.6
PCB-118	2.61e+07	1.58 y	38:27	1.12	47.8		2.50	-	-	*	-
13C-PCB-118	4.88e+07	1.60 y	38:25	1.35	99.5		2.50				99.5
PCB-114	2.50e+07	1.59 y	39:05	1.13	47.9		2.50	-	-	*	-
13C-PCB-114	4.62e+07	1.60 y	39:03	1.29	98.6		2.50				98.6
PCB-105	2.41e+07	1.58 y	39:53	1.10	48.5		2.50	-	-	*	-
13C-PCB-105	4.51e+07	1.60 y	39:53	1.28	97.3		2.50				97.3
PCB-126	2.21e+07	1.55 y	41:59	1.08	49.9		2.50	-	-	*	-
13C-PCB-126	4.08e+07	1.62 y	41:58	1.23	91.5		2.50				91.5
PCB-167	2.29e+07	1.24 y	43:22	1.11	48.4		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.29 y	43:22	1.23	95.8		2.50				95.8
PCB-156	2.29e+07	1.25 y	44:36	1.13	48.4		2.50	-	-	*	-
13C-PCB-156	4.20e+07	1.27 y	44:34	1.19	97.6		2.50				97.6
PCB-157	2.26e+07	1.26 y	44:51	1.08	49.2		2.50	-	-	*	-
13C-PCB-157	4.25e+07	1.27 y	44:49	1.21	96.7		2.50				96.7
PCB-169	2.20e+07	1.28 y	46:43	1.08	50.3		2.50	-	-	*	-
13C-PCB-169	4.05e+07	1.27 y	46:43	1.17	95.7		2.50				95.7
PCB-188	2.17e+07	1.05 y	39:41	1.10	49.8		2.50	-	-	*	-
13C-PCB-188	3.97e+07	1.08 y	39:40	1.13	97.4		2.50				97.4
PCB-189	1.83e+07	1.05 y	48:23	1.07	50.2		2.50	-	-	*	-
13C-PCB-189	3.41e+07	1.07 y	48:23	0.97	97.5		2.50				97.5
PCB-202	1.80e+07	0.92 y	44:47	1.03	49.5		2.50	-	-	*	-
13C-PCB-202	3.53e+07	0.91 y	44:46	0.96	102		2.50				102
13C-PCB-178	2.76e+07	1.05 y	42:18	0.78	98.3		2.50				98.3
13C-PCB-138	3.62e+07	1.29 y	41:30	-	75.3		2.50				

Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

PCB-205	1.96e+07	0.90 y	50:02	1.09	49.5	2.50	-	-	*	-
13C-PCB-205	3.65e+07	0.88 y	50:02	1.32	98.2	2.50				98.2
PCB-208	1.96e+07	1.36 y	49:07	1.01	49.5	2.50	-	-	*	-
13C-PCB-208	3.92e+07	0.80 y	49:07	1.38	101	2.50				101
PCB-206	1.30e+07	1.33 y	51:14	1.04	49.9	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79 y	51:13	0.94	94.8	2.50				94.8
PCB-209	1.70e+07	1.18 y	52:25	1.13	49.1	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.22 y	52:25	1.10	98.6	2.50				98.6
13C-PCB-194	2.82e+07	0.90 y	49:47	-	74.1	2.50				

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	51.0	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	48.9	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	46.7	37.5 - 62.5
PCB-15	M/M+2	1.51	1.33-1.79	y	52.2	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	50.5	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	51.0	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.77	0.65-0.89	y	112	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	111	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	121	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	207	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	95.7	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.32	1.05-1.43	y	107	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	111	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	106	75.0 - 125
PCB-169	M+2/M+4	1.21	1.05-1.43	y	96.1	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	145	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	156	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	158	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	157	112.5 - 187.5
PCB-209	M+4/M+6	1.16	0.99-1.33	y	157	112.5 - 187.5

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.09	2.66-3.60	y	94.4	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	93.3	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	92.8	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	93.3	50.0 - 145
13C-PCB-19	M/M+2	1.11	0.88-1.20	y	94.6	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	98.1	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	105	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	104	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	97.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	90.1	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	93.6	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	95.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	93.1	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	88.6	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	91.2	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	94.2	50.0 - 145
13C-PCB-169	M+2/M+4	1.25	1.05-1.43	y	92.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	90.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	94.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.89	0.76-1.02	y	88.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	95.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	95.1	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	90.3	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	109	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	108	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	106	75.0 - 125

Analyst: [illegible] Date: 7/28/20

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.32e+07	3.23 y	14:31	1.21	51.0		2.50	-	-	*	-
13C-PCB-1	7.00e+07	3.09 y	14:30	0.90	94.4		2.50				94.4
PCB-3	4.31e+07	3.15 y	16:56	1.23	48.9		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.31 y	16:55	0.93	93.3		2.50				93.3
PCB-4	2.69e+07	1.47 y	18:11	1.14	46.7		2.50	-	-	*	-
13C-PCB-4	5.04e+07	1.60 y	18:09	0.66	92.8		2.50				92.8
PCB-15	4.76e+07	1.51 y	23:41	1.09	52.2		2.50	-	-	*	-
13C-PCB-15	8.36e+07	1.61 y	23:39	1.09	93.3		2.50				93.3
PCB-19	2.41e+07	1.06 y	22:04	1.21	50.5		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.11 y	22:02	0.50	94.6		2.50				94.6
13C-PCB-9	8.25e+07	1.59 y	19:49	-	80.8		2.50				
PCB-37	3.91e+07	1.05 y	30:19	1.14	51.0		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.04 y	30:17	1.64	102		2.50				102
PCB-54	6.21e+07	0.76 y	25:35	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.99e+07	0.80 y	25:34	1.26	98.1		2.50				98.1
PCB-104	4.76e+07	1.57 y	30:02	1.12	106		2.50	-	-	*	-
13C-PCB-104	4.03e+07	1.60 y	29:60	1.02	97.9		2.50				97.9
13C-PCB-28	7.60e+07	1.06 y	26:39	1.73	109		2.50				109
13C-PCB-52	4.03e+07	0.79 y	28:54	-	75.8		2.50				
PCB-81	7.19e+07	0.77 y	36:05	1.13	112		2.50	-	-	*	-
13C-PCB-81	5.66e+07	0.80 y	36:03	1.57	104		2.50				104
PCB-77	6.50e+07	0.79 y	36:39	1.10	100		2.50	-	-	*	-
13C-PCB-77	5.89e+07	0.80 y	36:38	1.61	105		2.50				105
PCB-155	4.14e+07	1.32 y	34:11	1.13	107		2.50	-	-	*	-
13C-PCB-155	3.40e+07	1.34 y	34:10	1.10	88.6		2.50				88.6
13C-PCB-111	4.76e+07	1.62 y	36:14	1.27	108		2.50				108
13C-PCB-101	3.48e+07	1.68 y	34:35	-	73.0		2.50				
PCB-123	5.02e+07	1.62 y	38:17	1.11	95.7		2.50	-	-	*	-
13C-PCB-123	4.73e+07	1.60 y	38:16	1.28	95.2		2.50				95.2
PCB-118	1.14e+08	1.55 y	38:29	1.12	207		2.50	-	-	*	-
13C-PCB-118	4.91e+07	1.59 y	38:26	1.35	93.6		2.50				93.6
PCB-114	6.17e+07	1.55 y	39:05	1.13	121		2.50	-	-	*	-
13C-PCB-114	4.52e+07	1.64 y	39:04	1.29	90.1		2.50				90.1
PCB-105	5.79e+07	1.58 y	39:53	1.10	111		2.50	-	-	*	-
13C-PCB-105	4.72e+07	1.57 y	39:51	1.28	95.0		2.50				95.0
PCB-126	5.35e+07	1.60 y	41:60	1.08	111		2.50	-	-	*	-
13C-PCB-126	4.44e+07	1.62 y	41:58	1.23	93.1		2.50				93.1
PCB-167	5.26e+07	1.26 y	43:22	1.11	106		2.50	-	-	*	-
13C-PCB-167	4.48e+07	1.27 y	43:20	1.23	94.2		2.50				94.2
PCB-156	5.38e+07	1.27 y	44:36	1.13	111		2.50	-	-	*	-
13C-PCB-156	4.32e+07	1.31 y	44:34	1.19	93.9		2.50				93.9
PCB-157	5.18e+07	1.26 y	44:51	1.08	112		2.50	-	-	*	-
13C-PCB-157	4.29e+07	1.29 y	44:49	1.21	91.2		2.50				91.2
PCB-169	4.35e+07	1.21 y	46:43	1.08	96.1		2.50	-	-	*	-
13C-PCB-169	4.20e+07	1.25 y	46:41	1.17	92.7		2.50				92.7
PCB-188	4.66e+07	1.05 y	39:40	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.94e+07	1.09 y	39:40	1.13	90.3		2.50				90.3
PCB-189	3.80e+07	1.04 y	48:23	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.55e+07	1.06 y	48:22	0.97	94.8		2.50				94.8
PCB-202	4.88e+07	0.93 y	44:46	1.03	145		2.50	-	-	*	-
13C-PCB-202	3.27e+07	0.89 y	44:46	0.96	88.3		2.50				88.3
13C-PCB-178	3.18e+07	1.07 y	42:16	0.78	106		2.50				106
13C-PCB-138	3.87e+07	1.27 y	41:30	-	80.6		2.50				

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.56e+07	0.88 y	50:02	1.09	156	2.50	-	-	*	-
13C-PCB-205	3.89e+07	0.91 y	50:01	1.32	95.6	2.50				95.6
PCB-208	6.35e+07	1.35 y	49:07	1.01	157	2.50	-	-	*	-
13C-PCB-208	4.03e+07	0.79 y	49:06	1.38	94.8	2.50				94.8
PCB-206	4.51e+07	1.35 y	51:14	1.04	158	2.50	-	-	*	-
13C-PCB-206	2.75e+07	0.80 y	51:13	0.94	95.1	2.50				95.1
PCB-209	5.44e+07	1.16 y	52:25	1.13	157	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.21 y	52:24	1.10	90.3	2.50				90.3
13C-PCB-194	3.09e+07	0.91 y	49:47	-	81.0	2.50				

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.16	2.66-3.60	y	49.5	37.5 - 62.5
PCB-3	M/M+2	3.12	2.66-3.60	y	47.0	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	49.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	53.7	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	52.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	57.6	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	95.9	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.53	1.32-1.78	y	100	75.0 - 125
PCB-105	M+2/M+4	1.62	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	118	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	211	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	103	75.0 - 125
PCB-126	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.23	1.05-1.43	y	105	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	106	75.0 - 125
PCB-167	M+2/M+4	1.22	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.05	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	152	112.5 - 187.5
PCB-205	M+2/M+4	0.89	0.76-1.02	y	153	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	154	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	153	112.5 - 187.5

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.23	2.66-3.60	y	97.5	50.0 - 145
13C-PCB-3	M/M+2	3.24	2.66-3.60	y	92.3	50.0 - 145
13C-PCB-4	M/M+2	1.55	1.33-1.79	y	96.1	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	91.9	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	92.8	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	70.8	50.0 - 145
13C-PCB-54	M/M+2	0.78	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	91.8	50.0 - 145
13C-PCB-81	M/M+2	0.78	0.65-0.89	y	90.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	78.6	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	83.7	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	83.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	80.7	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	82.7	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	86.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.26	1.05-1.43	y	91.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.26	1.05-1.43	y	91.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	92.2	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	96.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	96.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	90.6	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	95.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	97.2	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	98.4	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	98.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.03	0.88-1.20	y	84.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125

Analyst: [signature] Date: 7/28/20

FAL ID: SS072220Z1 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.37e+07	3.17 y	14:30	1.21	54.0		2.50	-	-	*	-
13C-PCB-1	6.68e+07	3.19 y	14:29	0.90	95.1		2.50				95.1
PCB-3	4.43e+07	3.15 y	16:56	1.23	52.1		2.50	-	-	*	-
13C-PCB-3	6.91e+07	3.23 y	16:55	0.93	95.0		2.50				95.0
PCB-4	2.66e+07	1.47 y	18:11	1.14	49.6		2.50	-	-	*	-
13C-PCB-4	4.70e+07	1.58 y	18:09	0.66	91.2		2.50				91.2
PCB-15	4.99e+07	1.50 y	23:41	1.09	57.7		2.50	-	-	*	-
13C-PCB-15	7.93e+07	1.58 y	23:40	1.09	93.3		2.50				93.3
PCB-19	2.44e+07	1.06 y	22:04	1.21	55.7		2.50	-	-	*	-
13C-PCB-19	3.61e+07	1.09 y	22:02	0.50	91.5		2.50				91.5
13C-PCB-9	7.82e+07	1.61 y	19:50	-	76.6		2.50				
PCB-37	3.95e+07	1.07 y	30:20	1.14	57.5		2.50	-	-	*	-
13C-PCB-37	6.00e+07	1.04 y	30:18	1.64	92.7		2.50				92.7
PCB-54	6.47e+07	0.77 y	25:35	1.18	115		2.50	-	-	*	-
13C-PCB-54	4.76e+07	0.79 y	25:34	1.26	95.6		2.50				95.6
PCB-104	4.98e+07	1.55 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	4.06e+07	1.59 y	30:01	1.02	101		2.50				101
13C-PCB-28	6.30e+07	1.03 y	26:38	1.73	92.1		2.50				92.1
13C-PCB-52	3.95e+07	0.79 y	28:55	-	74.3		2.50				
PCB-81	7.58e+07	0.78 y	36:04	1.13	121		2.50	-	-	*	-
13C-PCB-81	5.53e+07	0.80 y	36:03	1.57	92.4		2.50				92.4
PCB-77	6.74e+07	0.80 y	36:39	1.10	108		2.50	-	-	*	-
13C-PCB-77	5.67e+07	0.79 y	36:37	1.61	92.2		2.50				92.2
PCB-155	4.84e+07	1.30 y	34:11	1.13	110		2.50	-	-	*	-
13C-PCB-155	3.90e+07	1.31 y	34:09	1.10	92.5		2.50				92.5
13C-PCB-111	4.54e+07	1.60 y	36:15	1.27	93.7		2.50				93.7
13C-PCB-101	3.81e+07	1.64 y	34:36	-	80.1		2.50				
PCB-123	5.46e+07	1.60 y	38:17	1.11	111		2.50	-	-	*	-
13C-PCB-123	4.42e+07	1.58 y	38:16	1.28	90.7		2.50				90.7
PCB-118	1.19e+08	1.58 y	38:29	1.12	218		2.50	-	-	*	-
13C-PCB-118	4.87e+07	1.58 y	38:25	1.35	94.7		2.50				94.7
PCB-114	6.53e+07	1.58 y	39:05	1.13	122		2.50	-	-	*	-
13C-PCB-114	4.74e+07	1.58 y	39:03	1.29	96.5		2.50				96.5
PCB-105	6.07e+07	1.59 y	39:53	1.10	121		2.50	-	-	*	-
13C-PCB-105	4.55e+07	1.60 y	39:51	1.28	93.4		2.50				93.4
PCB-126	5.71e+07	1.62 y	41:59	1.08	122		2.50	-	-	*	-
13C-PCB-126	4.33e+07	1.64 y	41:58	1.23	92.4		2.50				92.4
PCB-167	5.16e+07	1.22 y	43:22	1.11	109		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.27 y	43:20	1.23	91.2		2.50				91.2
PCB-156	5.37e+07	1.23 y	44:36	1.13	113		2.50	-	-	*	-
13C-PCB-156	4.21e+07	1.25 y	44:34	1.19	93.3		2.50				93.3
PCB-157	5.42e+07	1.24 y	44:51	1.08	115		2.50	-	-	*	-
13C-PCB-157	4.38e+07	1.31 y	44:49	1.21	94.9		2.50				94.9
PCB-169	4.57e+07	1.22 y	46:43	1.08	105		2.50	-	-	*	-
13C-PCB-169	4.03e+07	1.27 y	46:43	1.17	90.7		2.50				90.7
PCB-188	4.93e+07	1.04 y	39:41	1.10	107		2.50	-	-	*	-
13C-PCB-188	4.18e+07	1.05 y	39:40	1.13	97.6		2.50				97.6
PCB-189	4.15e+07	1.05 y	48:23	1.07	112		2.50	-	-	*	-
13C-PCB-189	3.48e+07	1.07 y	48:23	0.97	94.7		2.50				94.7
PCB-202	5.50e+07	0.92 y	44:47	1.03	168		2.50	-	-	*	-
13C-PCB-202	3.17e+07	0.91 y	44:46	0.96	87.3		2.50				87.3
13C-PCB-178	3.01e+07	1.07 y	42:18	0.78	102		2.50				102
13C-PCB-138	3.80e+07	1.27 y	41:30	-	79.0		2.50				

FAL ID: SS072220Z1 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.65e+07	0.90 y	50:02	1.09	166	2.50	-	-	*	-
13C-PCB-205	3.68e+07	0.90 y	50:02	1.32	93.3	2.50				93.3
PCB-208	6.52e+07	1.32 y	49:07	1.01	166	2.50	-	-	*	-
13C-PCB-208	3.91e+07	0.80 y	49:06	1.38	94.6	2.50				94.6
PCB-206	4.57e+07	1.34 y	51:14	1.04	167	2.50	-	-	*	-
13C-PCB-206	2.63e+07	0.78 y	51:13	0.94	93.5	2.50				93.5
PCB-209	5.61e+07	1.21 y	52:25	1.13	166	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.17 y	52:23	1.10	90.7	2.50				90.7
13C-PCB-194	3.00e+07	0.90 y	49:47	-	78.8	2.50				

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:22JUL20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

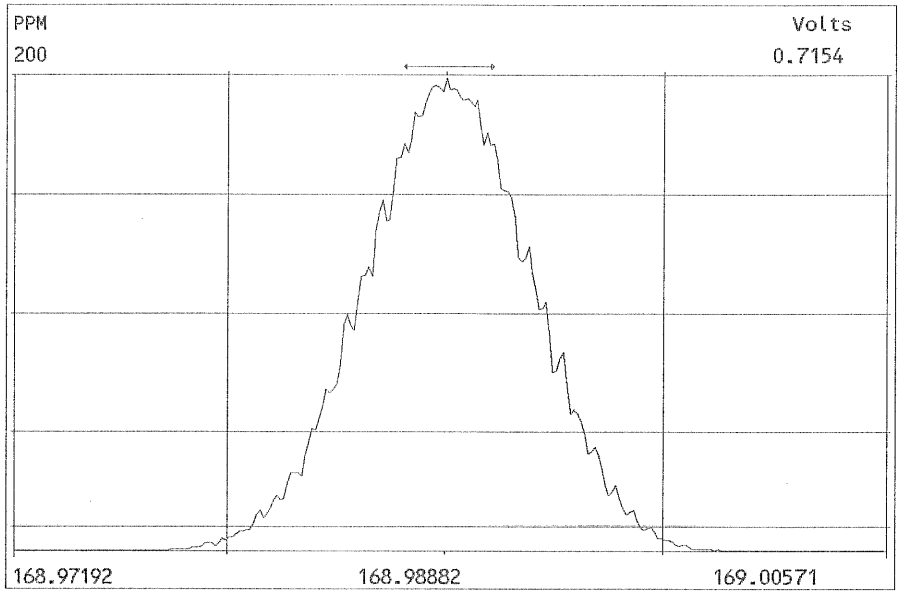
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399 R190905A	22-JUL-20 10:59:13	NA	NA	BS
22JUL20Z	5	ST072220Z4	1668 CS499 R181022B	22-JUL-20 11:57:34	NA	NA	BS
22JUL20Z	6	ST072220Z5	1668 CS599 R130426C	22-JUL-20 12:55:55	NA	NA	BS
22JUL20Z	7	SB072220Z1	Solvent Blank	22-JUL-20 13:54:16	NA	NA	BS
22JUL20Z	8	ST072220Z6	CS20998 200406A	22-JUL-20 14:52:38	ST072220Z6	ST072220Z7	BS
22JUL20Z	9	SS072220Z1	2nd Source 170815A	22-JUL-20 15:50:59	ST072220Z6	ST072220Z7	BS
22JUL20Z	10	05376-001-0001-OPR	OPR	22-JUL-20 16:49:21	ST072220Z6	ST072220Z7	BS
22JUL20Z	11	05387-001-0001-OPR	OPR	22-JUL-20 17:47:42	ST072220Z6	ST072220Z7	BS
22JUL20Z	12	05376-001-0001-MB	Method Blank	22-JUL-20 18:46:03	ST072220Z6	ST072220Z7	BS
22JUL20Z	13	05387-001-0001-MB	Method Blank	22-JUL-20 19:44:25	ST072220Z6	ST072220Z7	BS
22JUL20Z	14	13203-002-0001-SA	E-001-D	22-JUL-20 20:42:46	ST072220Z6	ST072220Z7	BS
22JUL20Z	15	13208-001-0001-SA	Effluent	22-JUL-20 21:41:07	ST072220Z6	ST072220Z7	BS
22JUL20Z	16	13209-002-0001-SA	E2007007C	22-JUL-20 22:39:30	ST072220Z6	ST072220Z7	BS
22JUL20Z	17	13211-001-0001-SA	202007100007	22-JUL-20 23:37:51	ST072220Z6	ST072220Z7	BS
22JUL20Z	18	13217-001-0001-SA	EFF-002	23-JUL-20 00:36:12	ST072220Z6	ST072220Z7	BS
22JUL20Z	19	SB072220Z2	Solvent Blank	23-JUL-20 01:34:34	ST072220Z6	ST072220Z7	BS
22JUL20Z	20	ST072220Z7	CS20999 200406A	23-JUL-20 02:32:55	ST072220Z6	ST072220Z7	BS

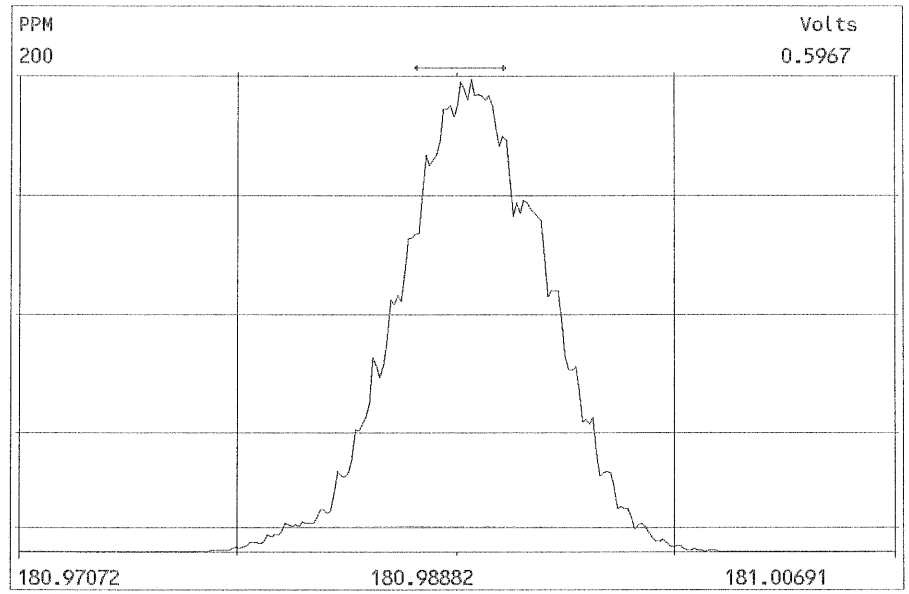
7/28/20

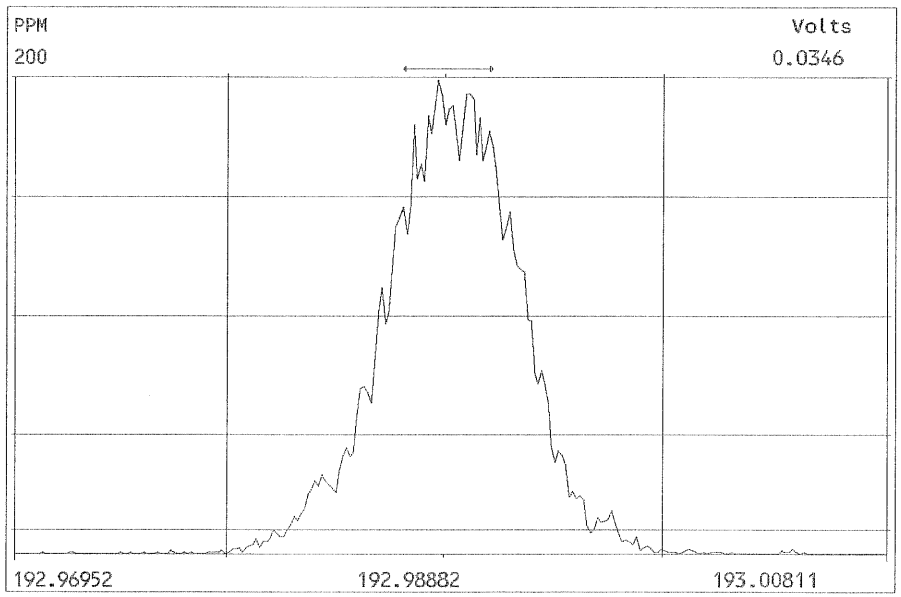
Data Backed Up:_____

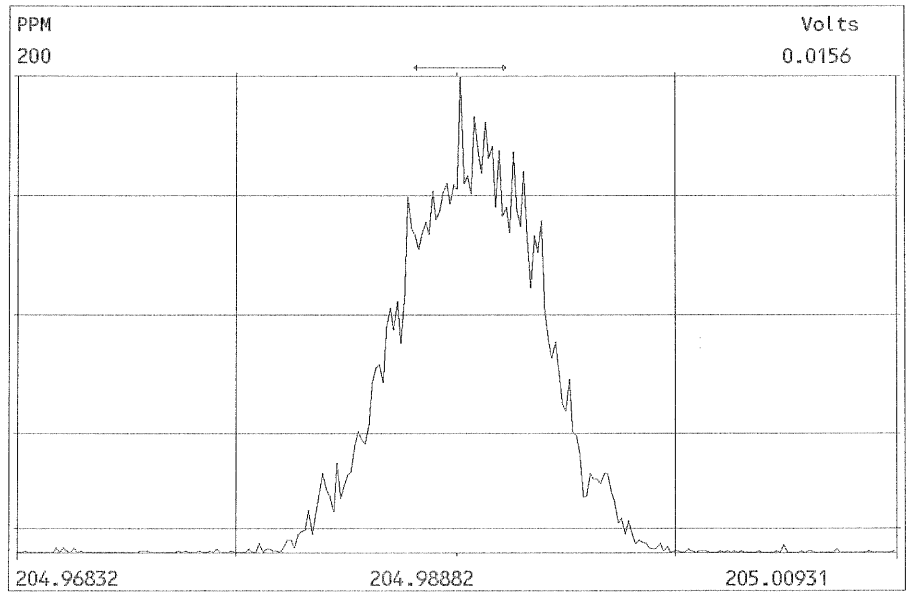
Date:_____

Peak Locate Examination:22-JUL-2020:08:00 File:22JUL20Z
Experiment:1668PCB Function:1 Reference:PFK 99

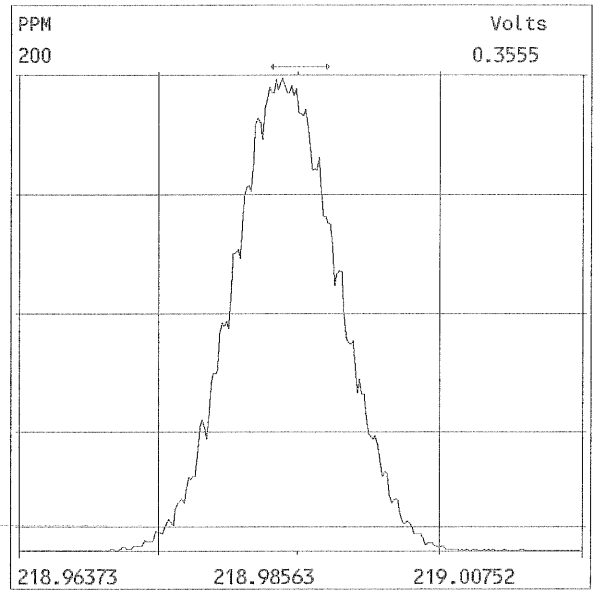


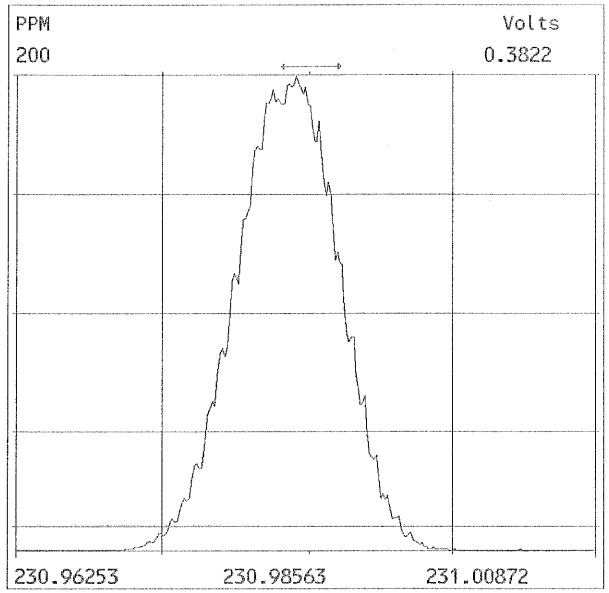


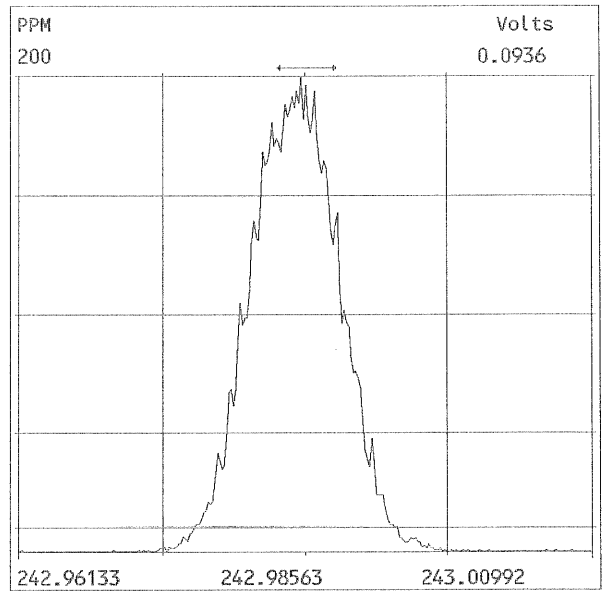


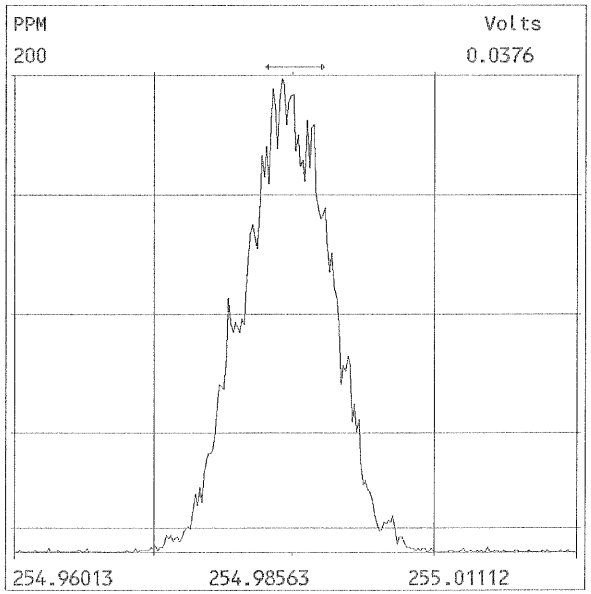


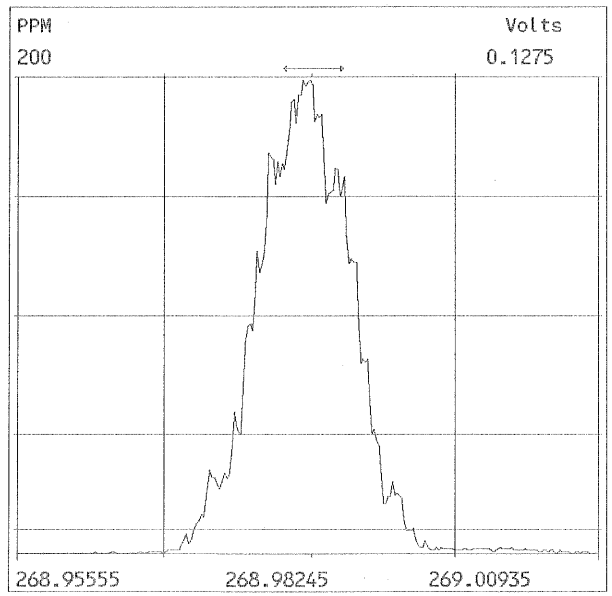
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

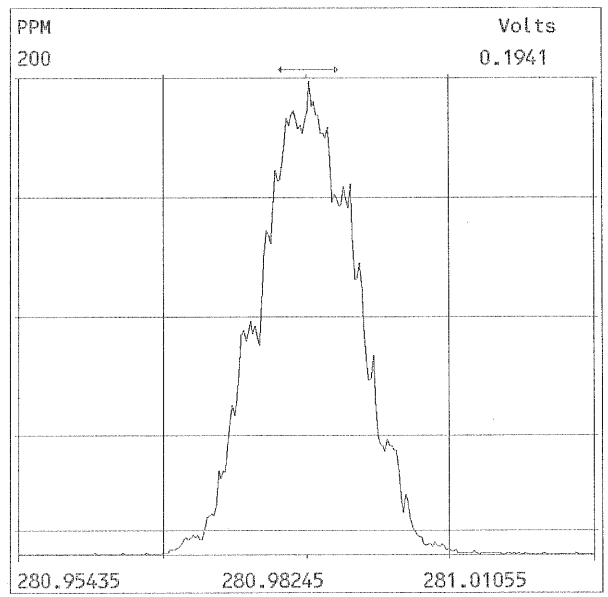




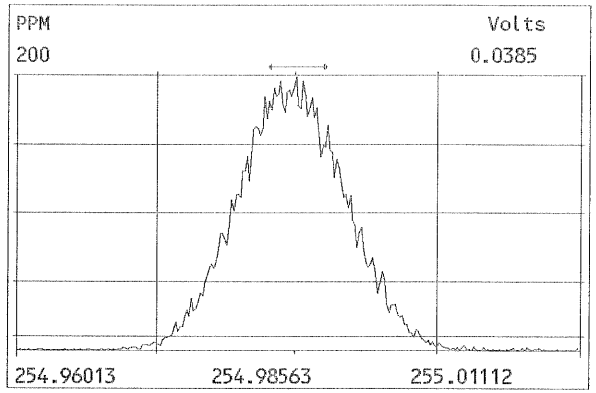


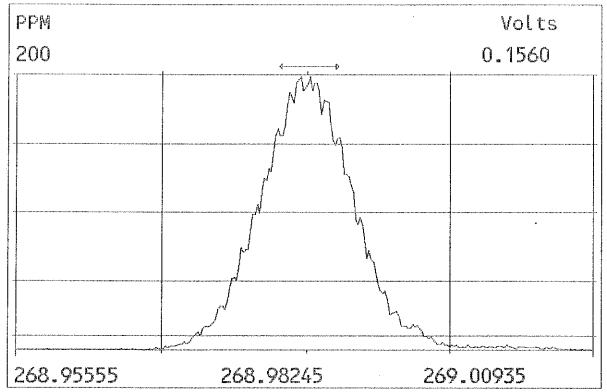


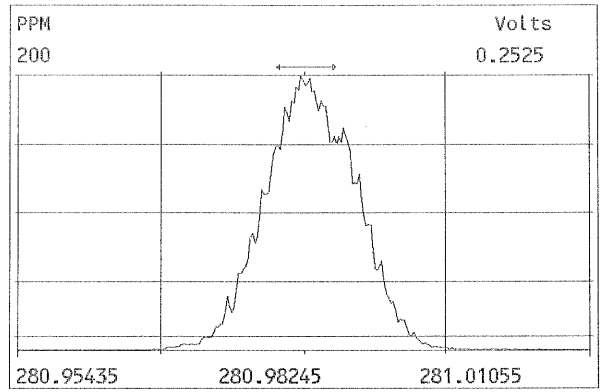


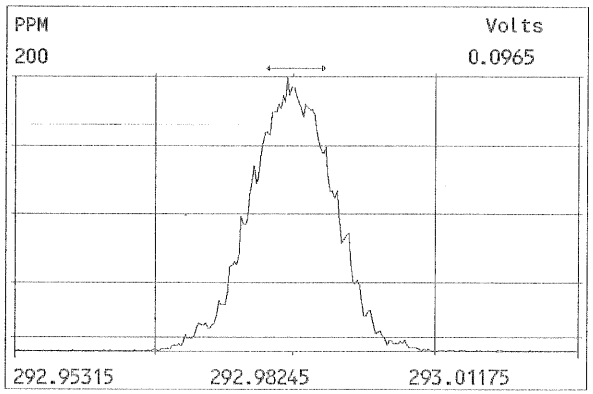


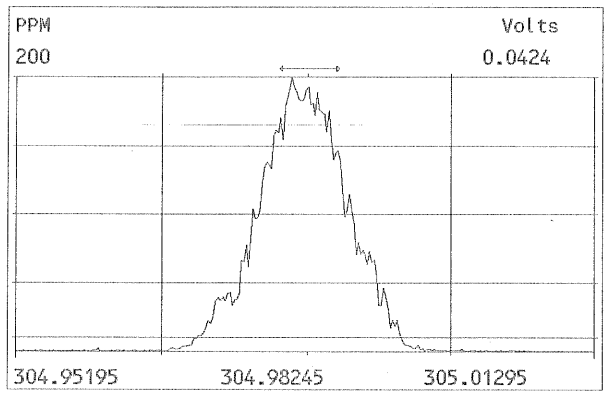
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

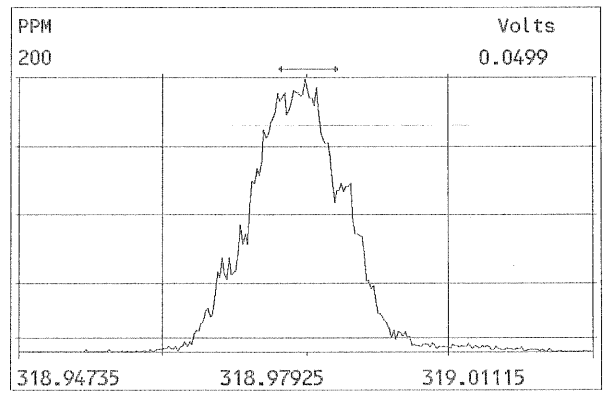


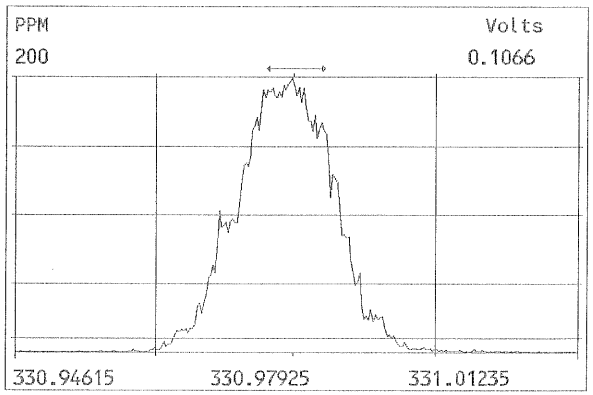


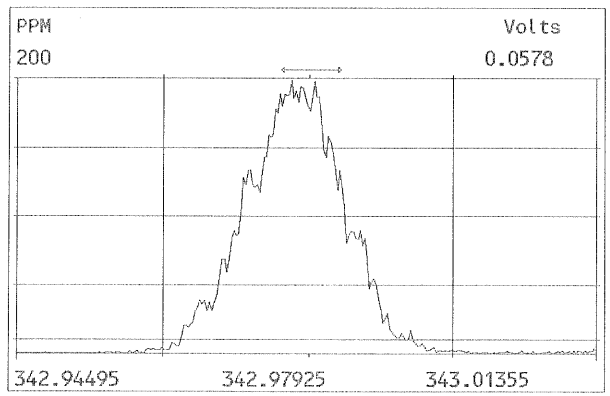




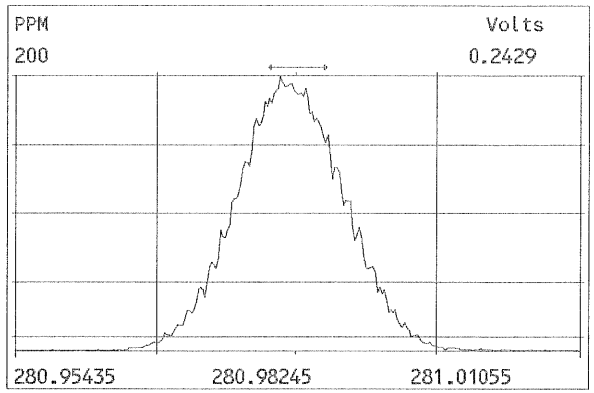


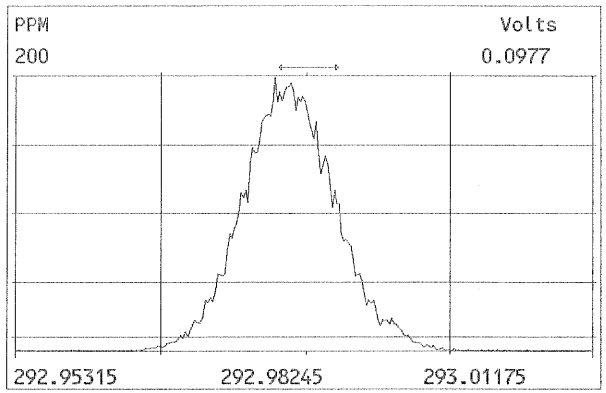


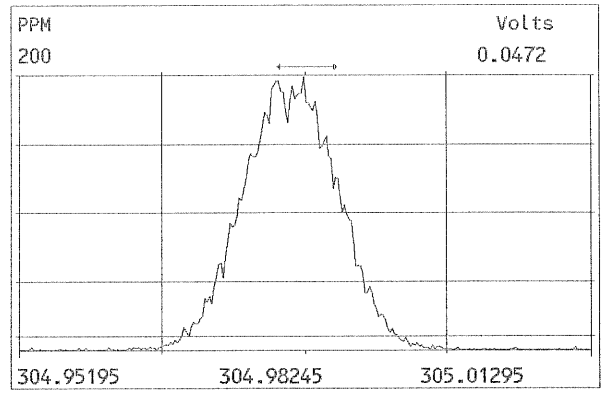


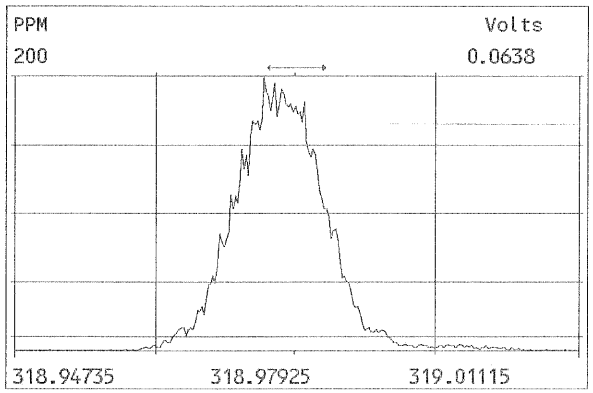


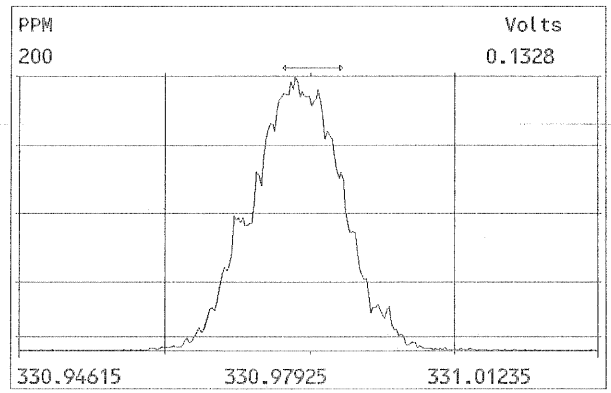
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

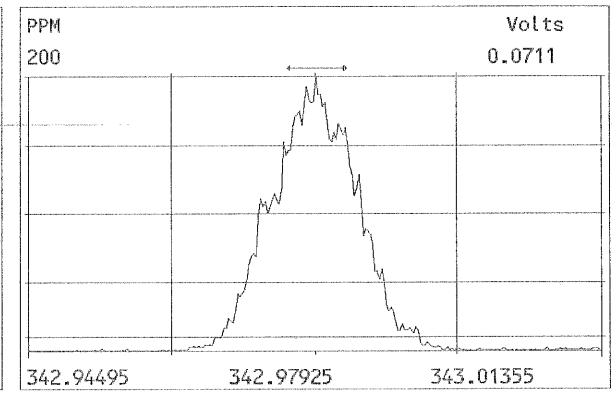


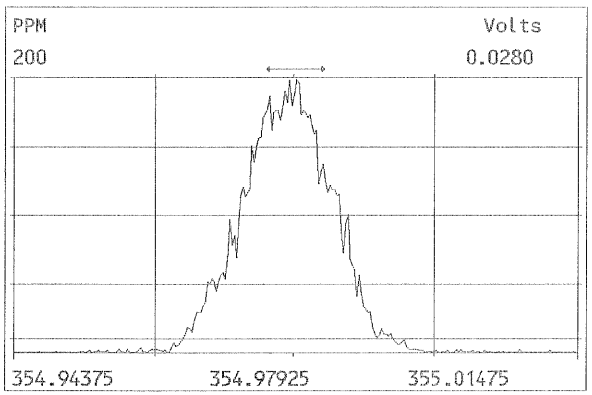


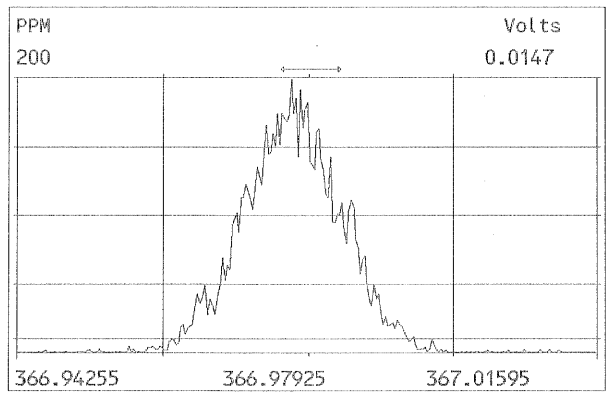


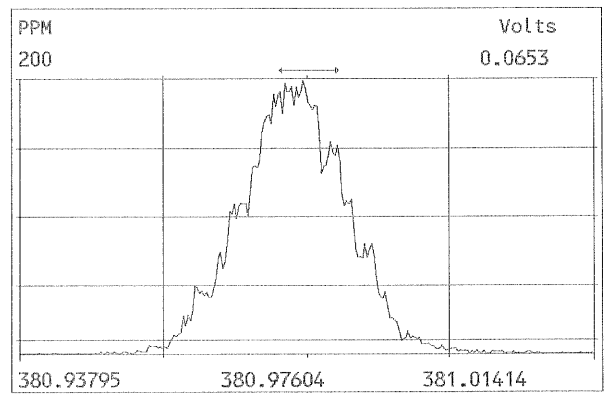




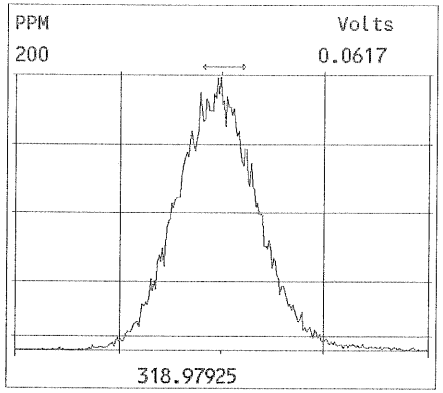


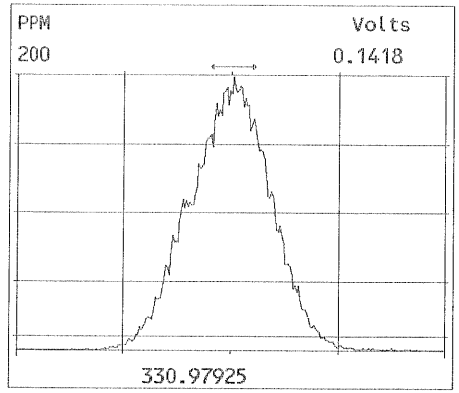


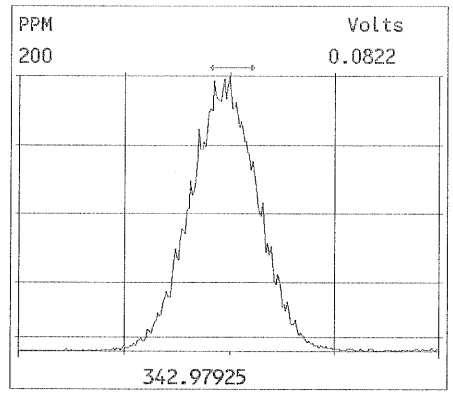


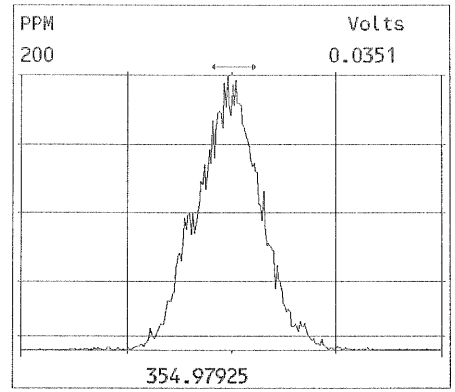


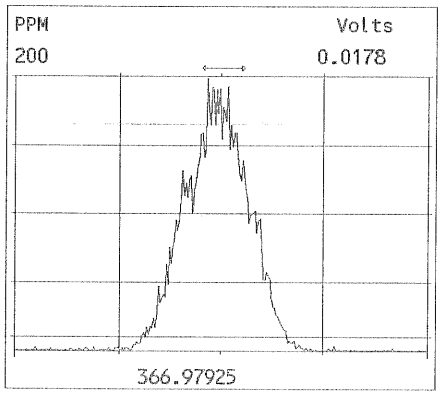
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

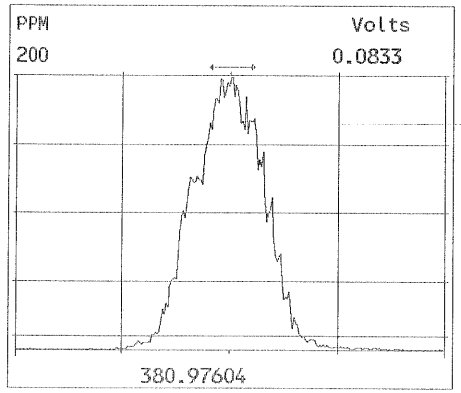


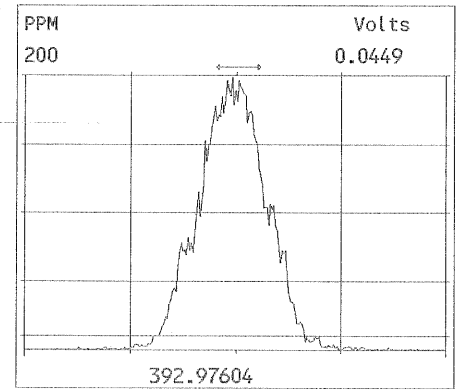


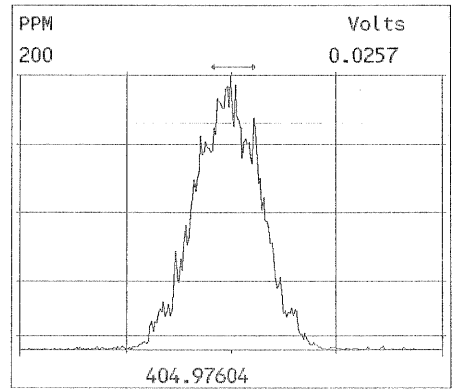


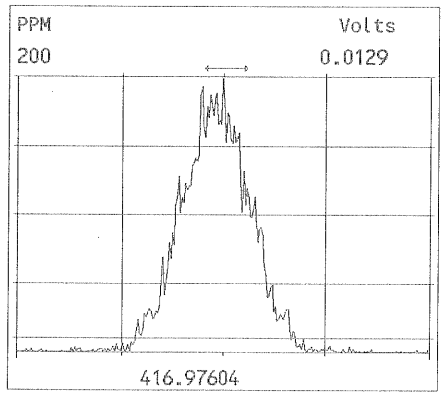


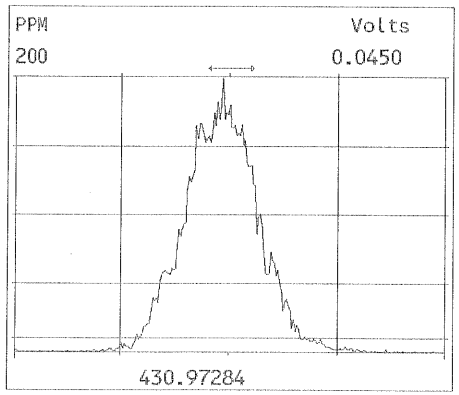


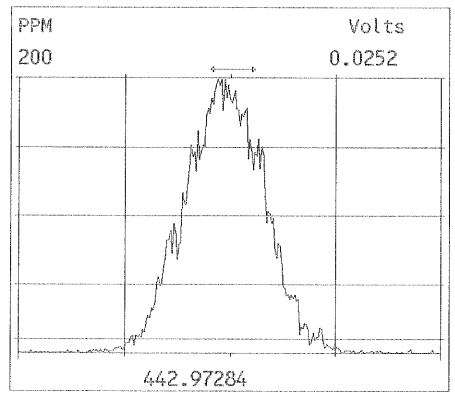




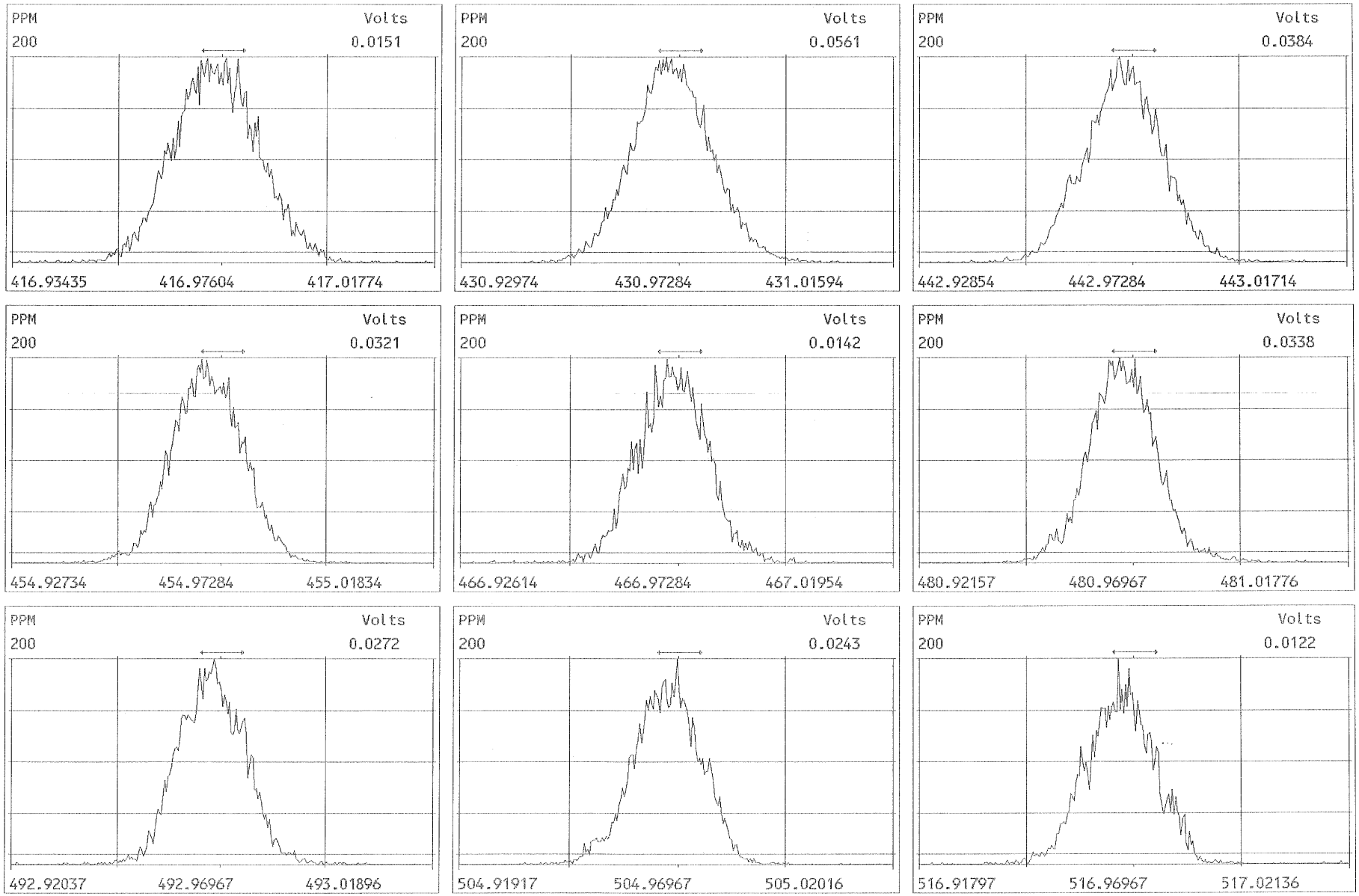




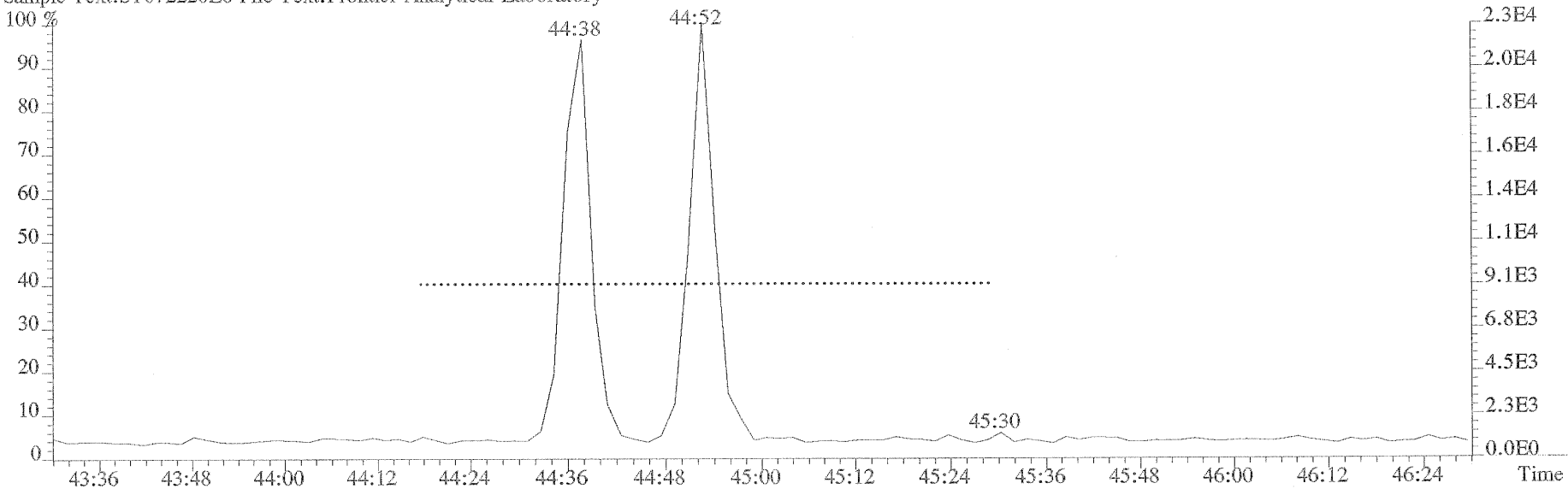




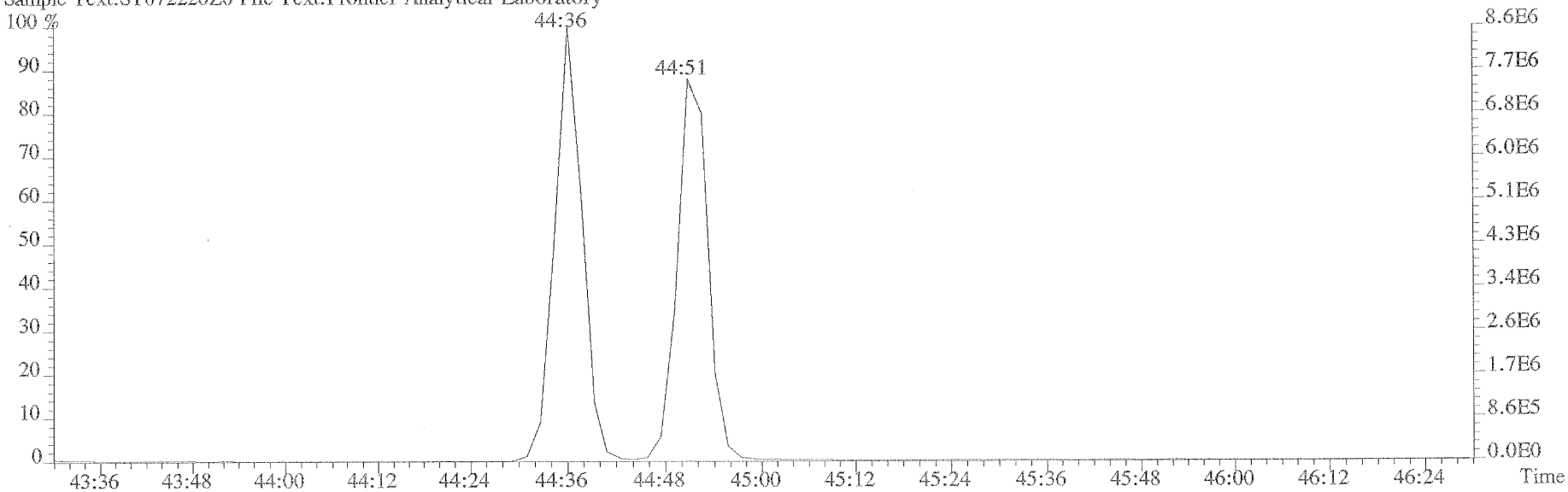
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99



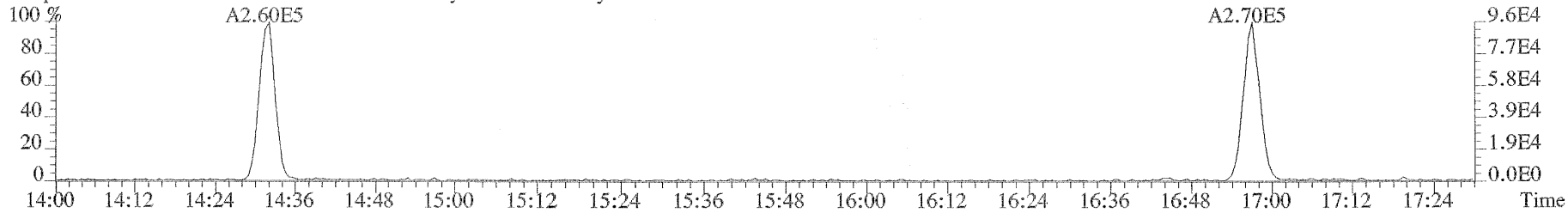
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



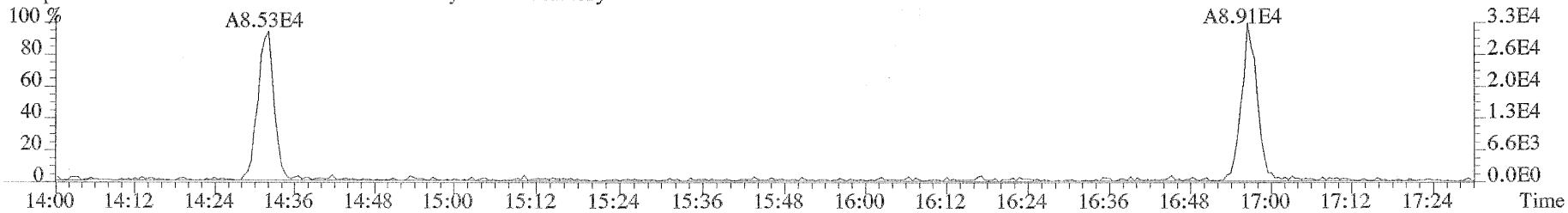
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



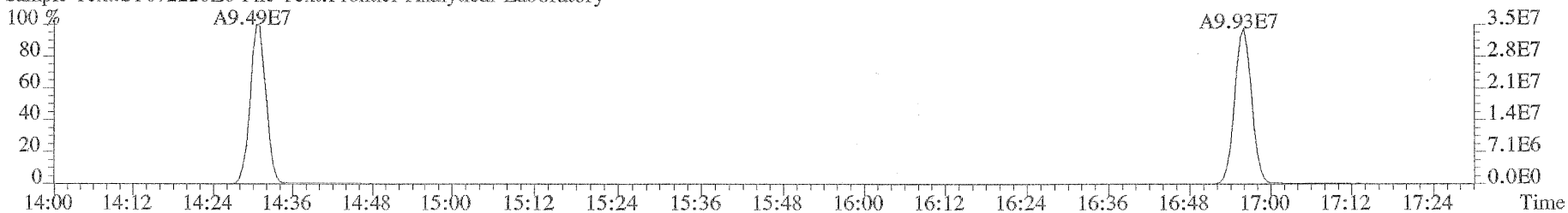
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



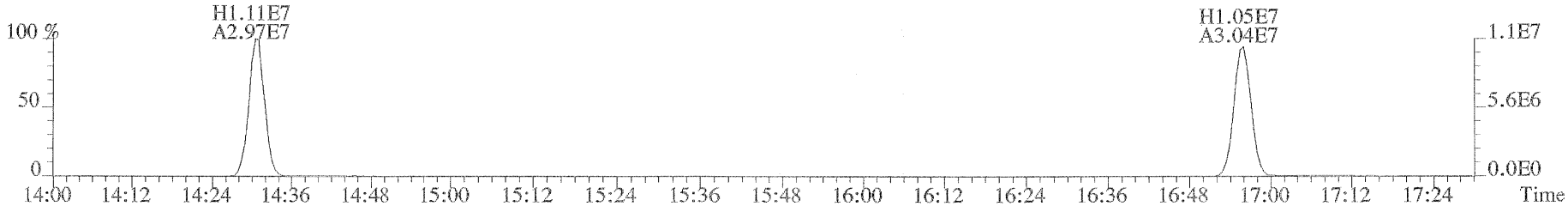
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



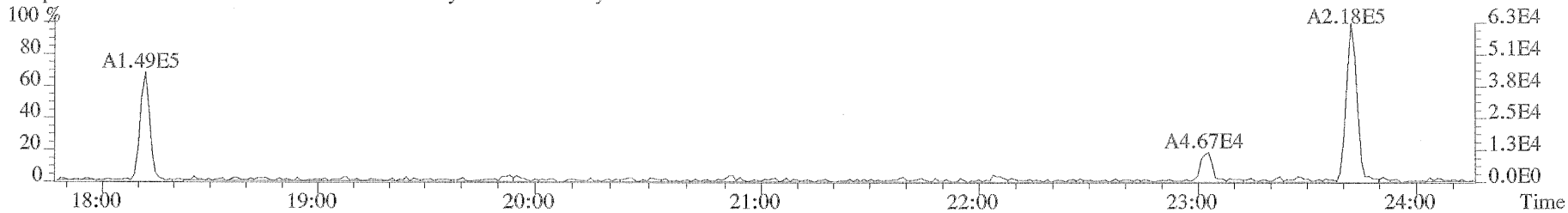
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



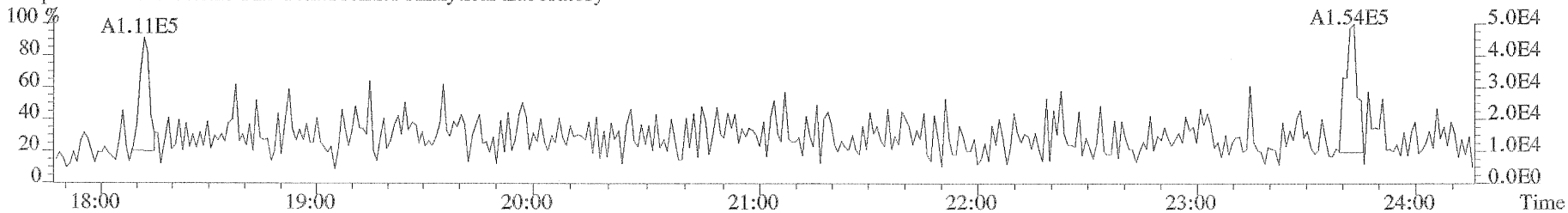
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



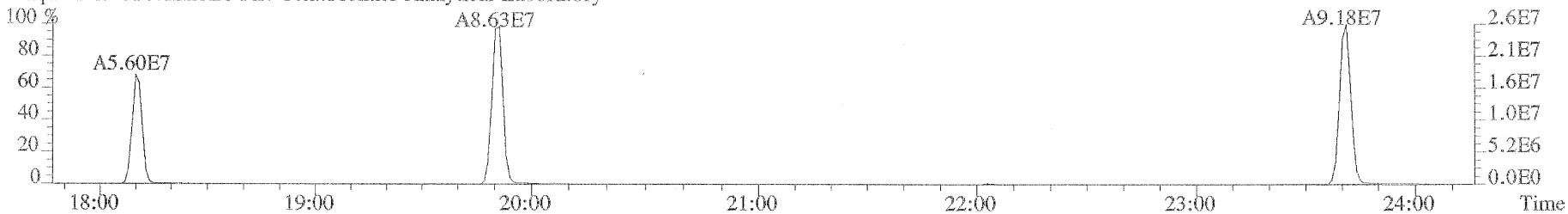
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



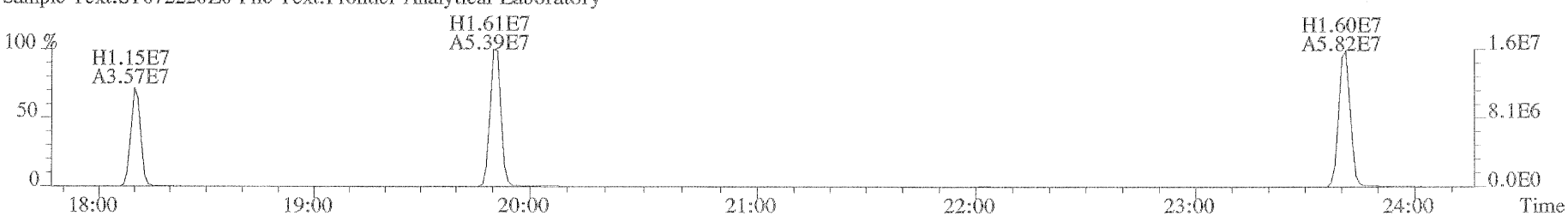
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



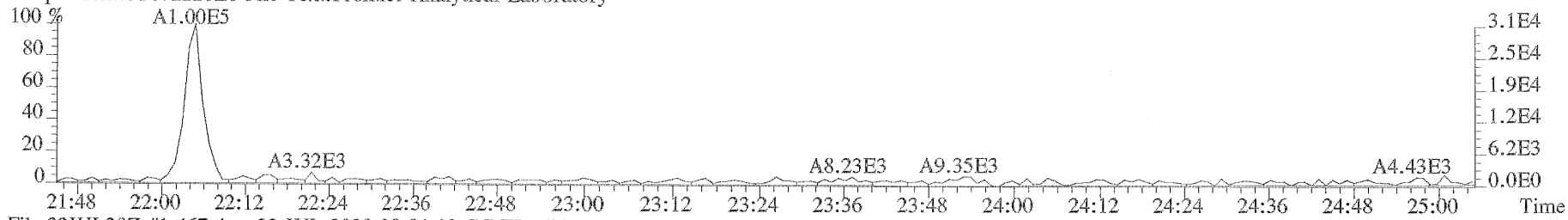
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



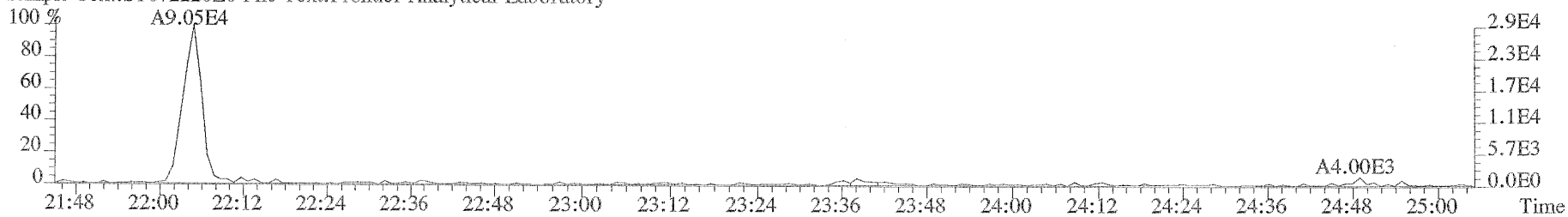
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



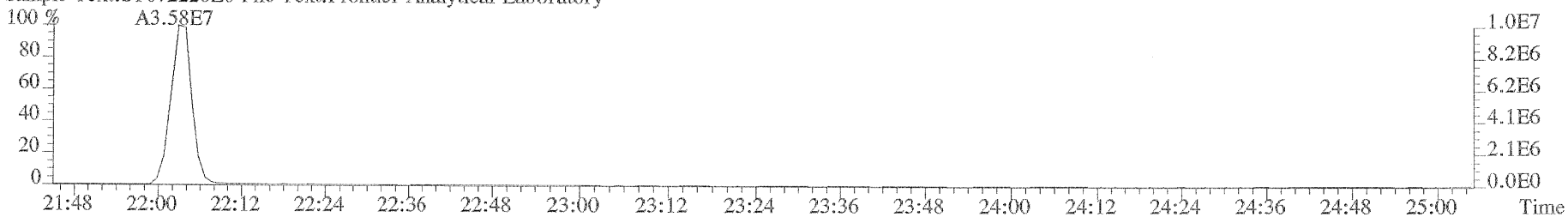
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



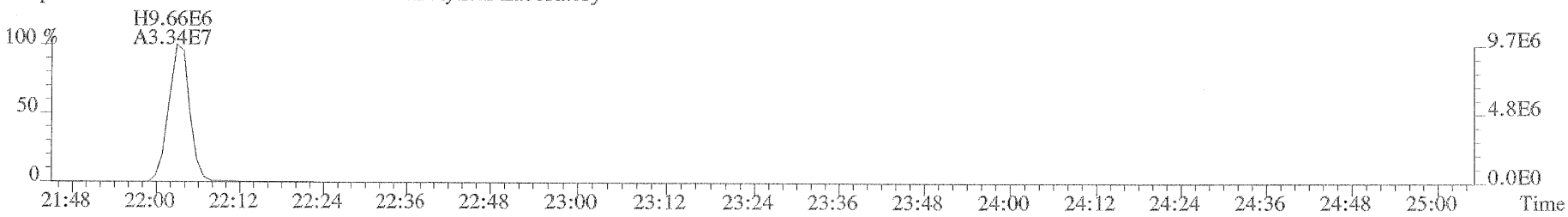
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



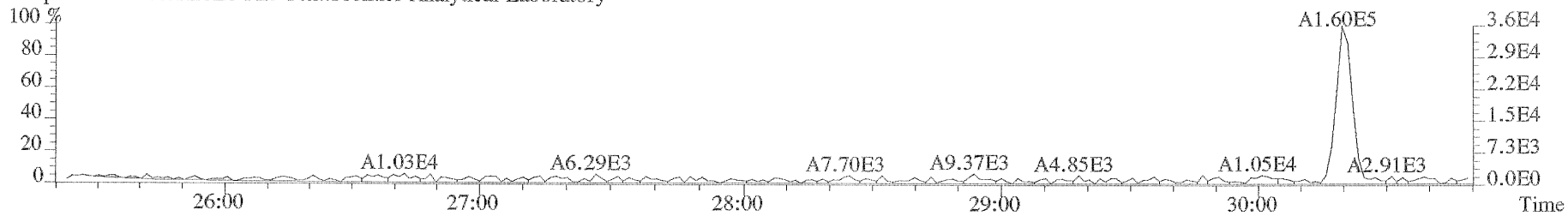
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



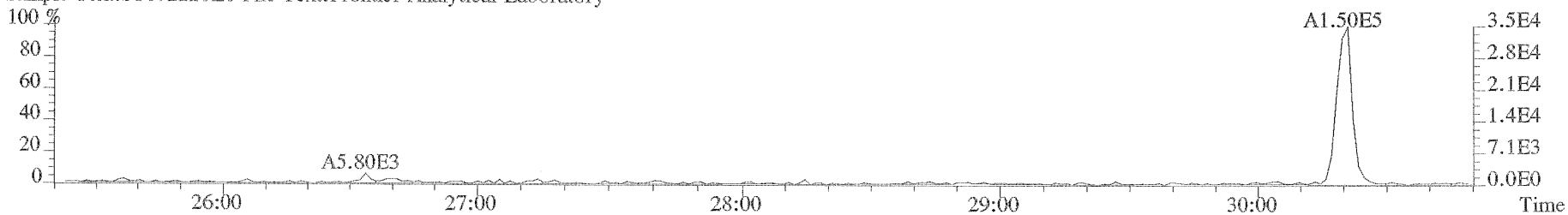
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



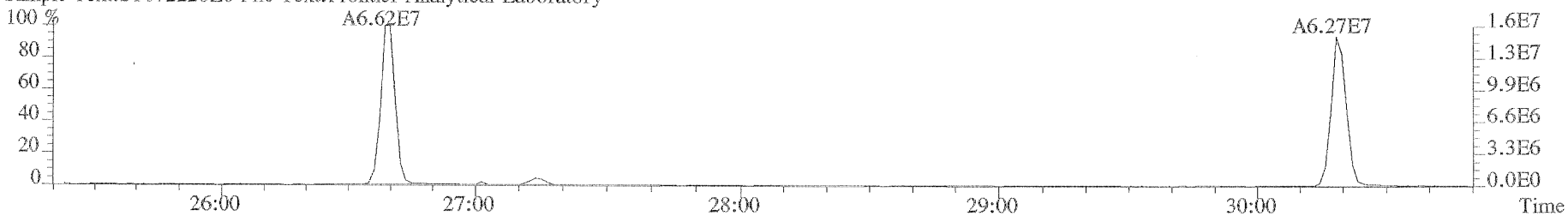
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



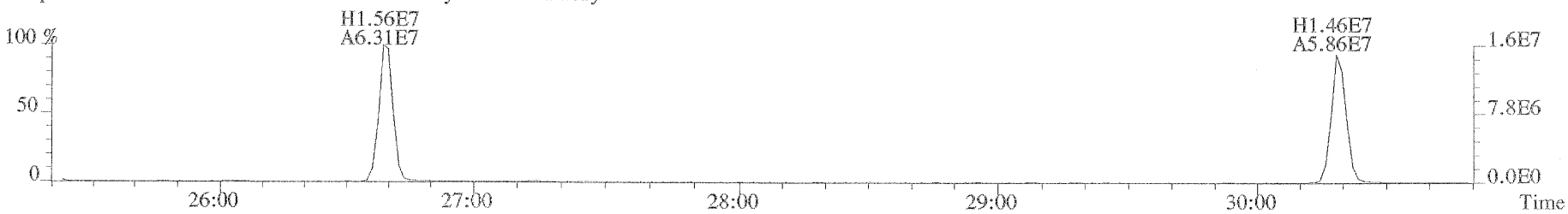
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



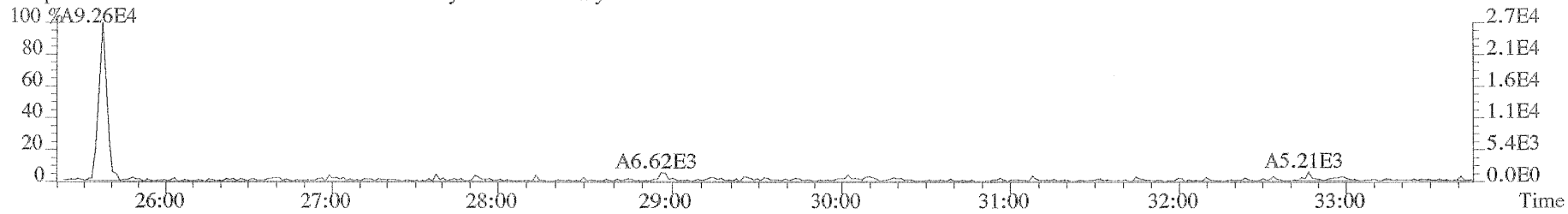
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



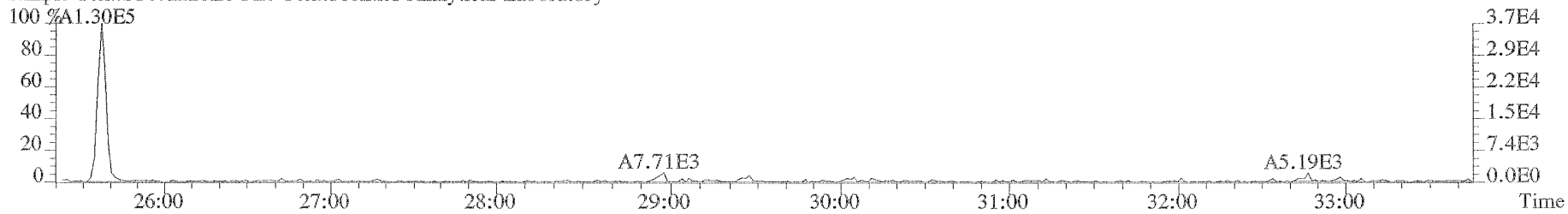
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



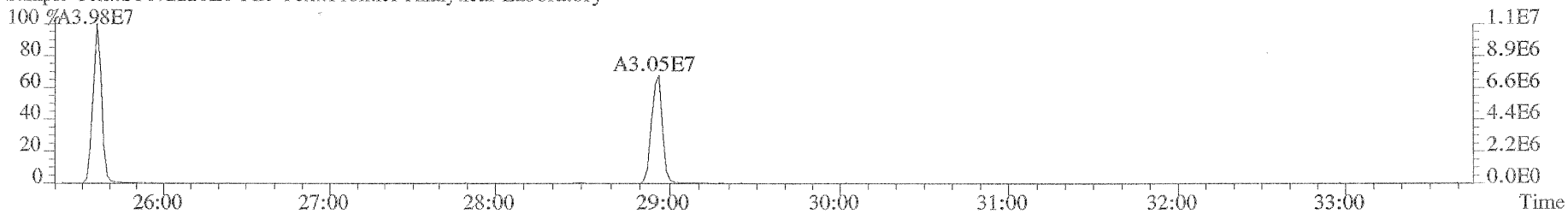
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



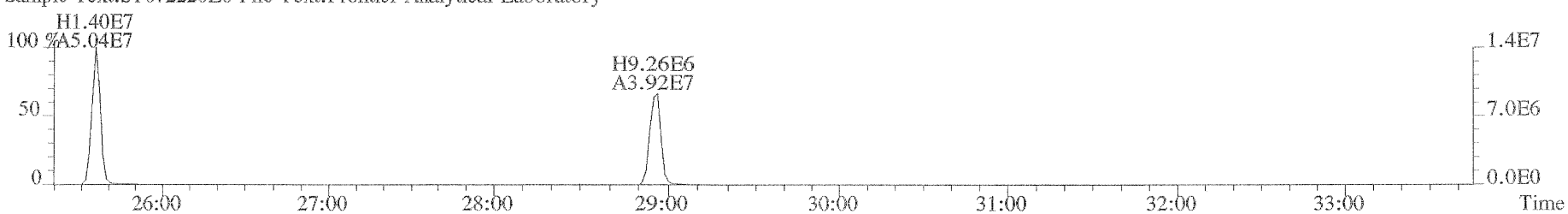
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



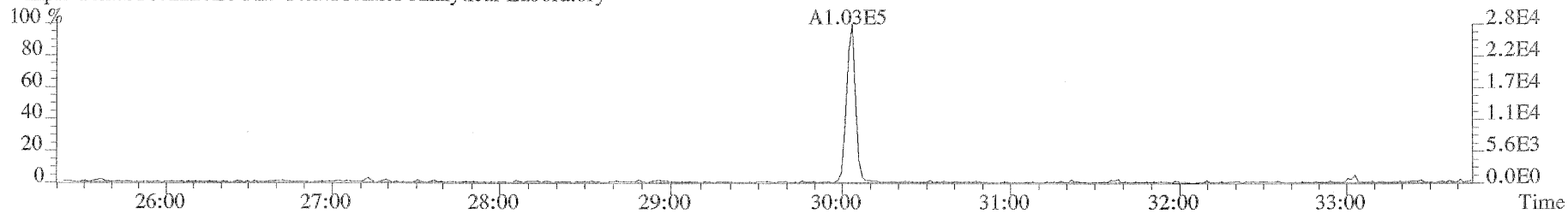
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



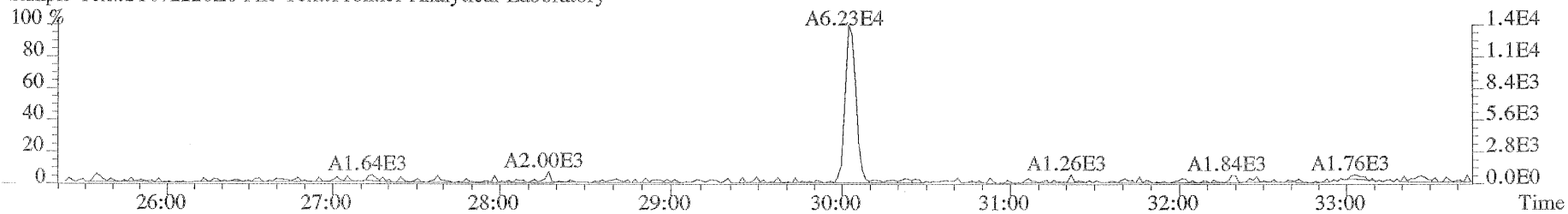
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



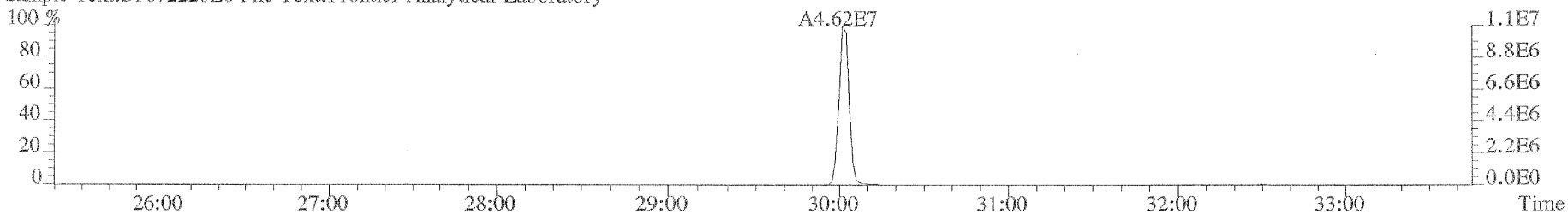
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



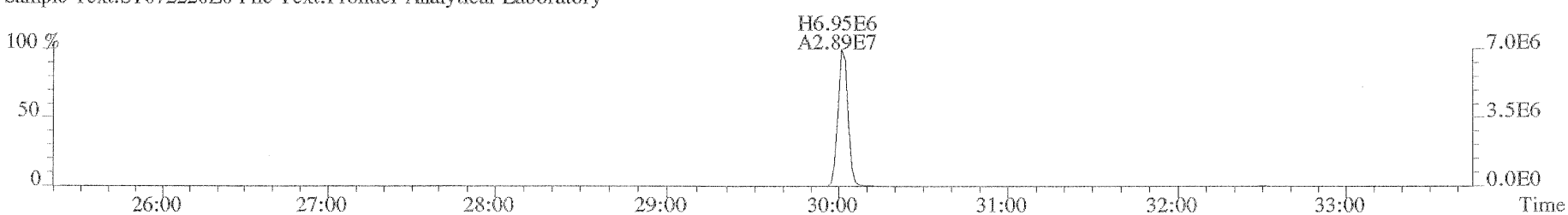
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



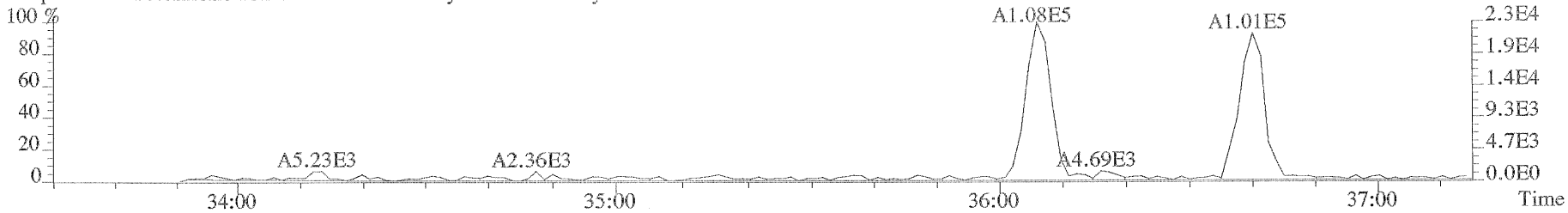
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



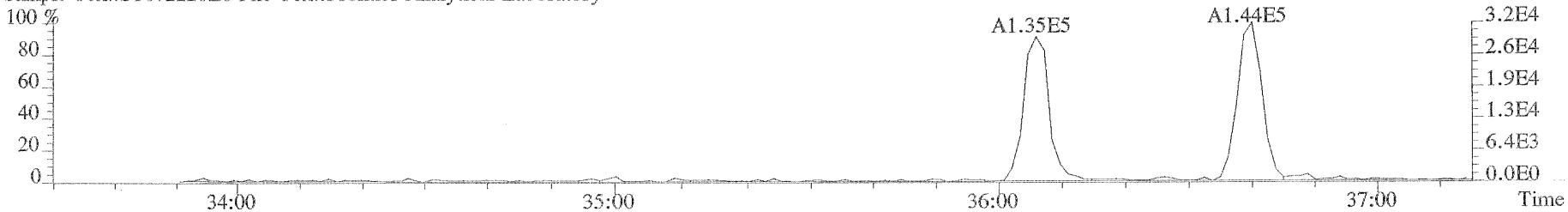
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



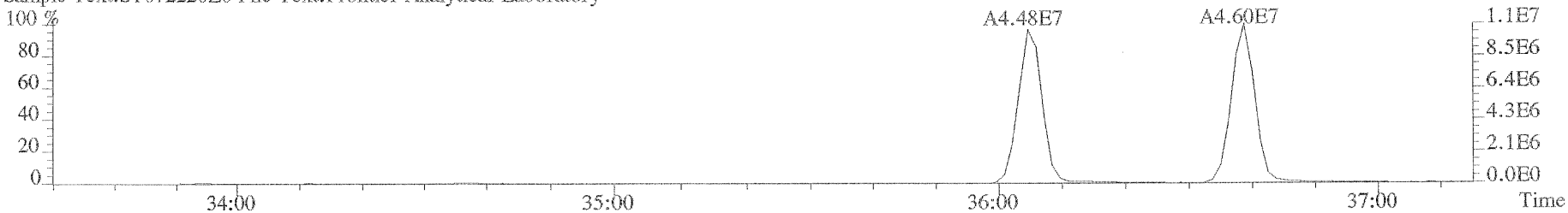
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



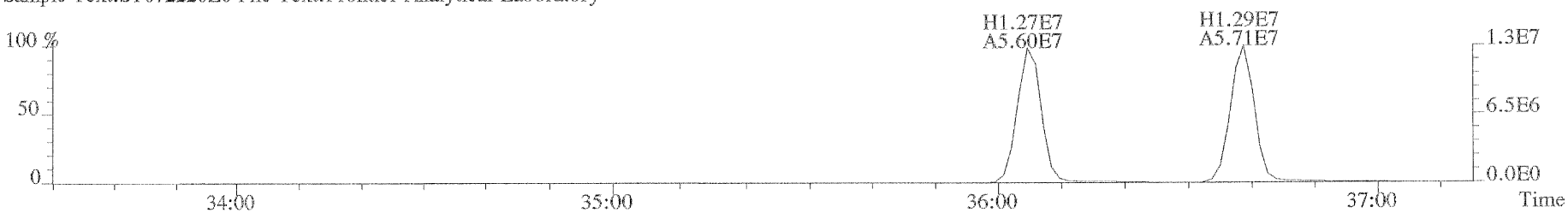
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



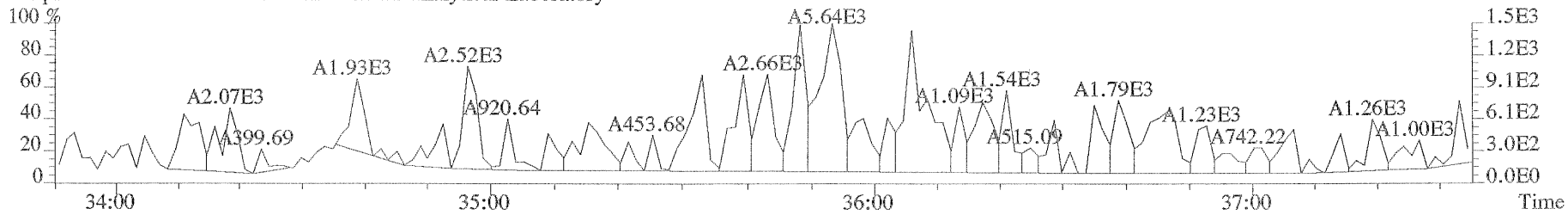
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



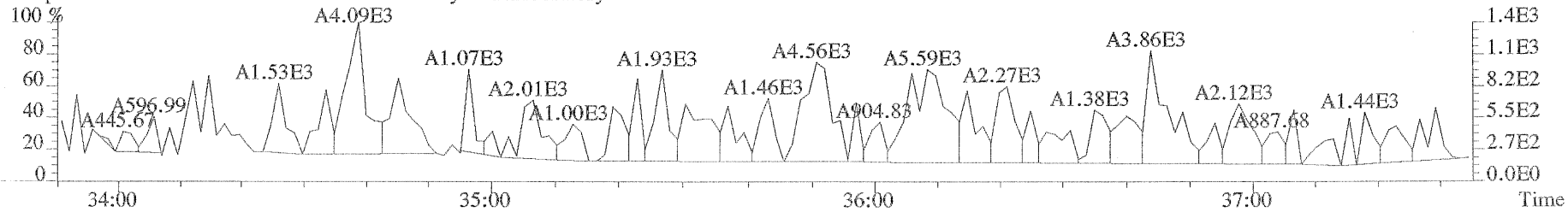
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



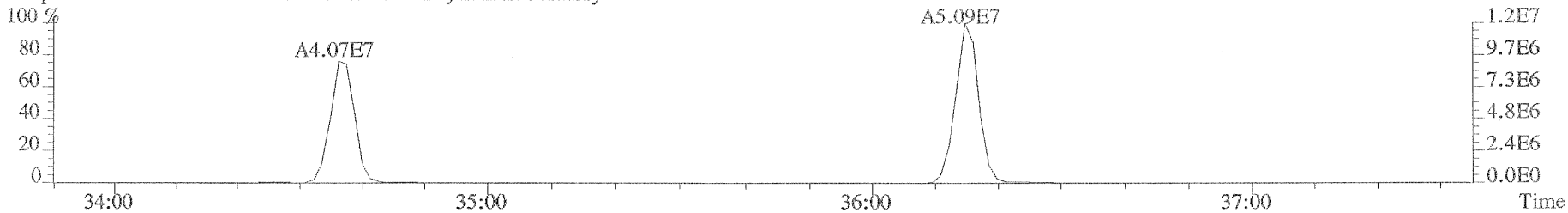
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



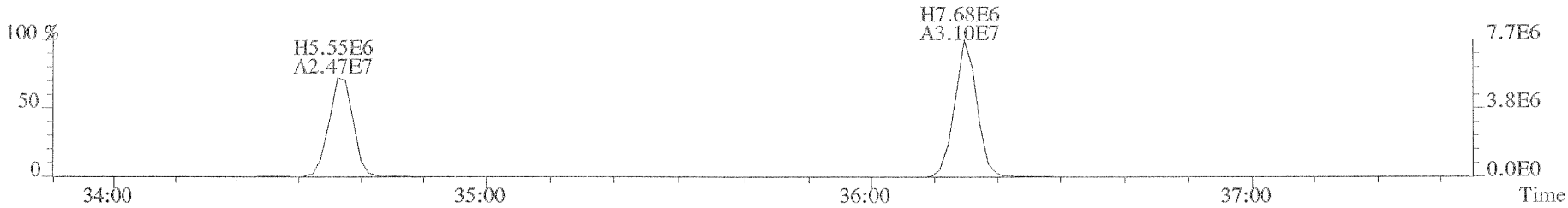
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



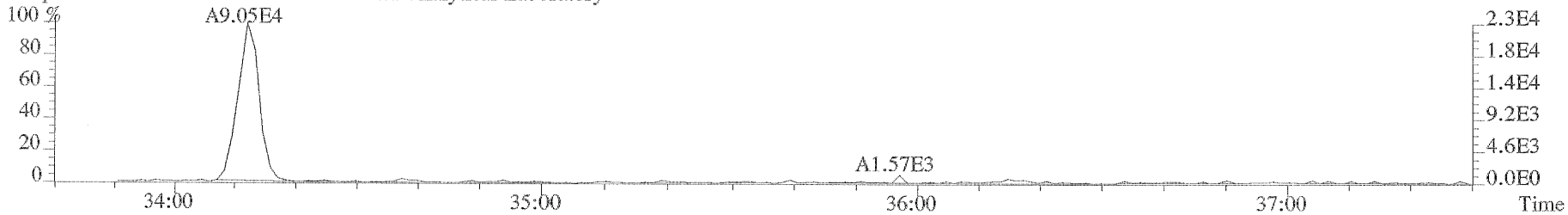
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



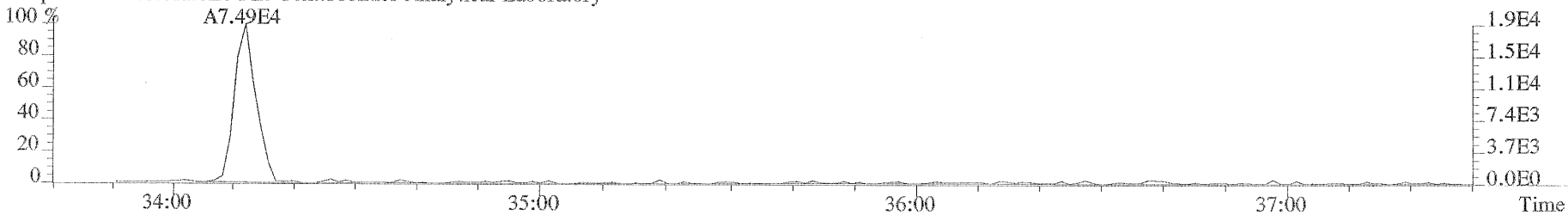
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



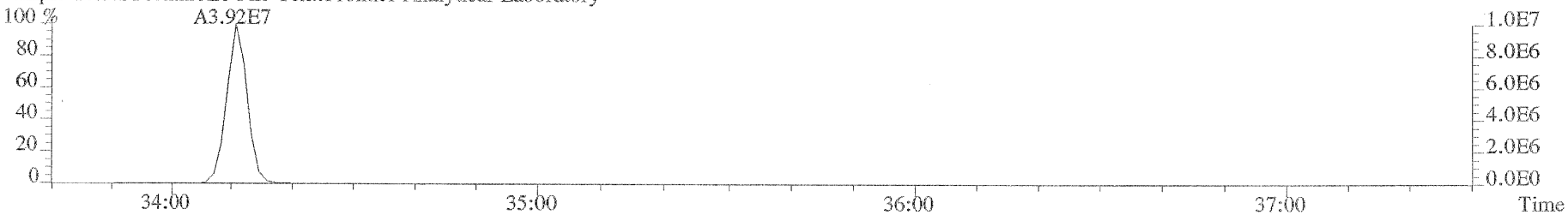
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



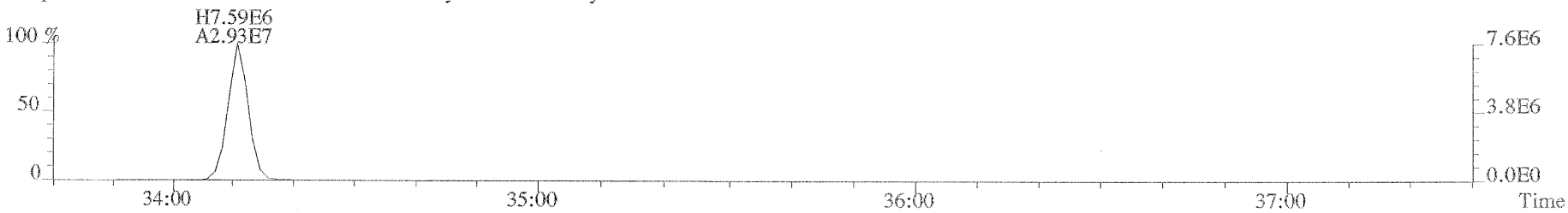
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



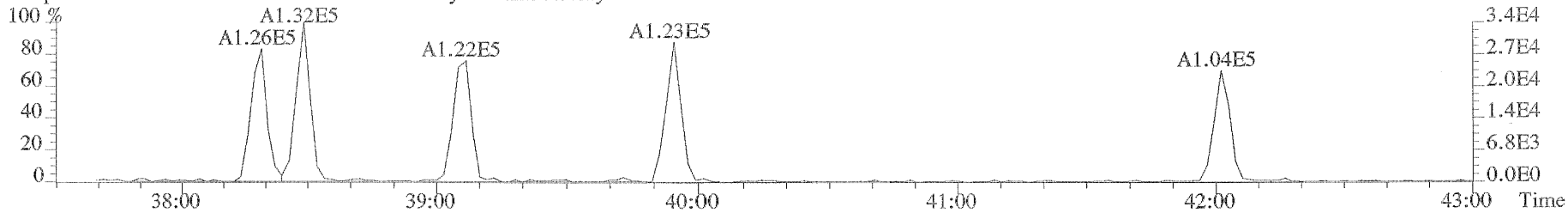
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



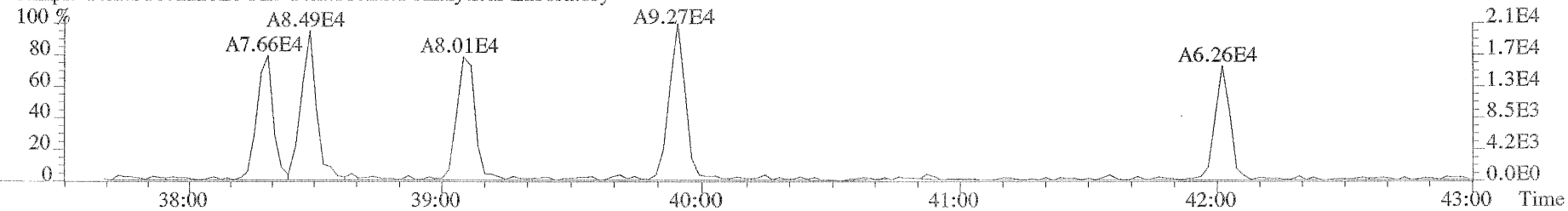
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



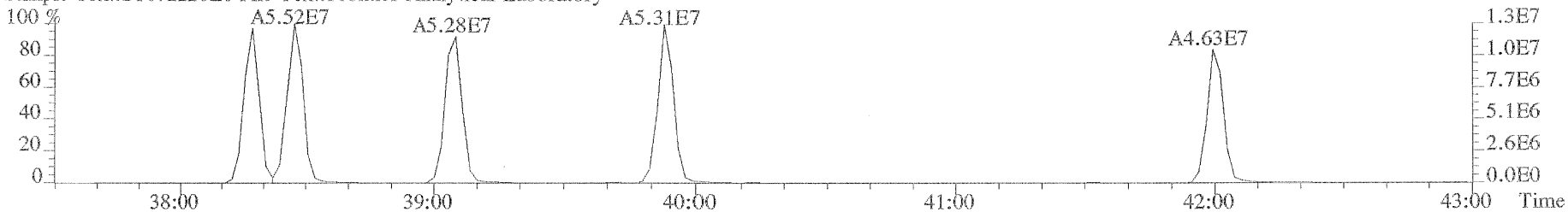
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



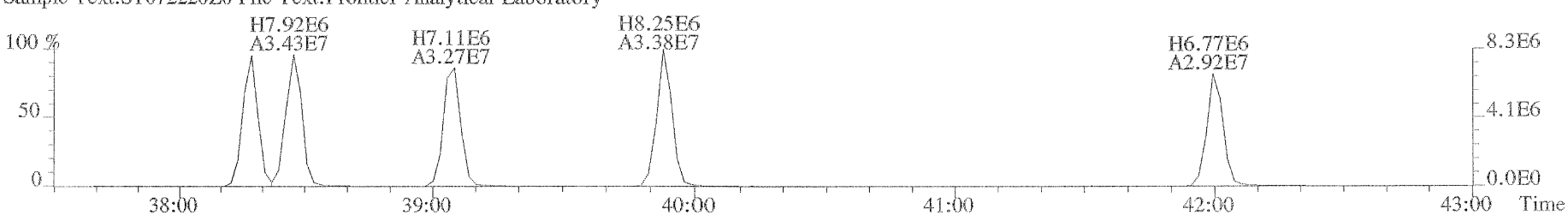
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



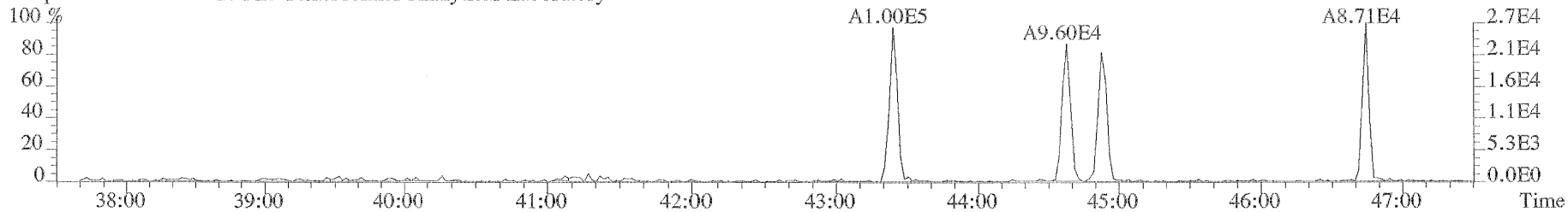
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



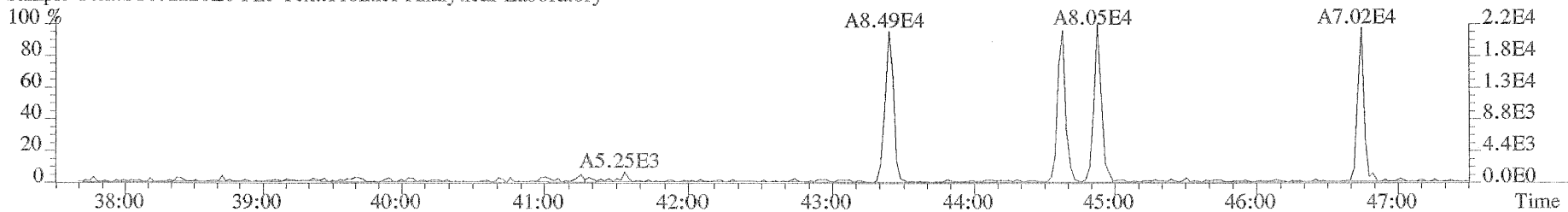
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



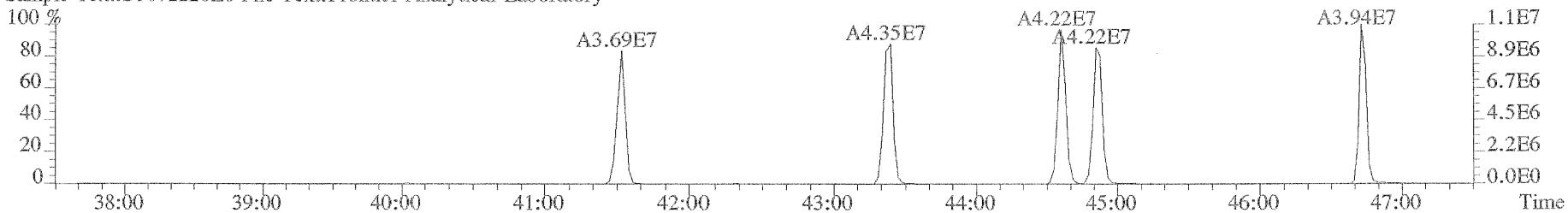
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



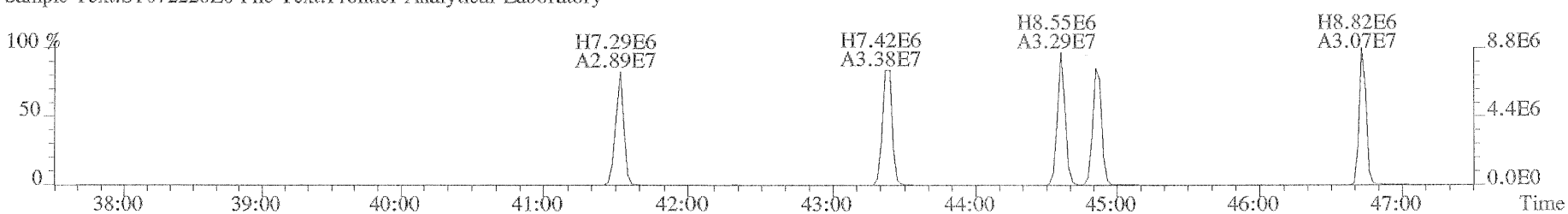
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



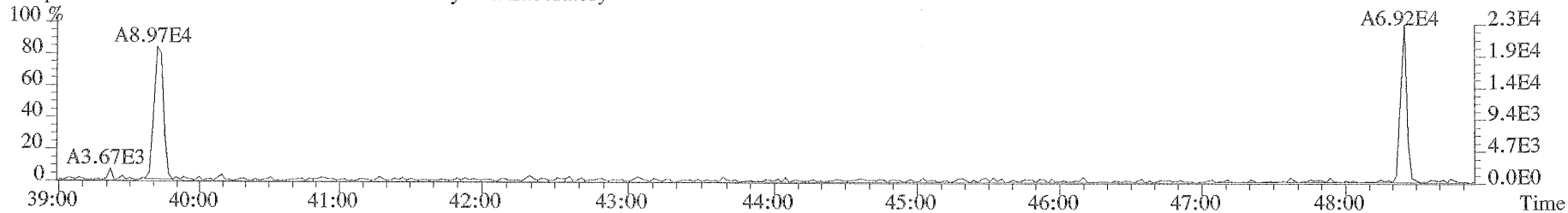
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



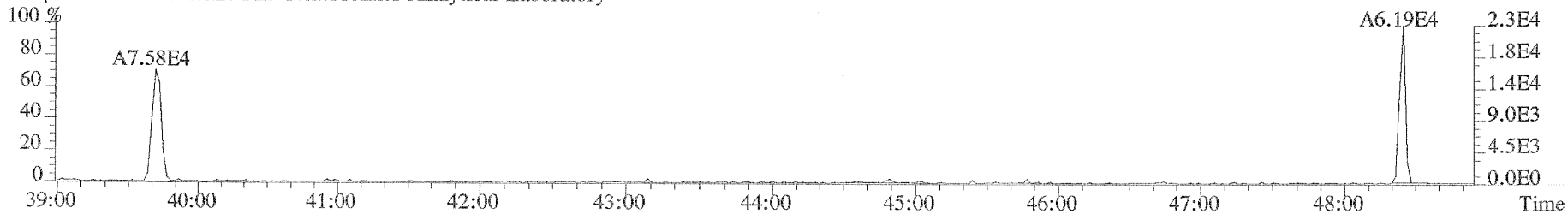
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



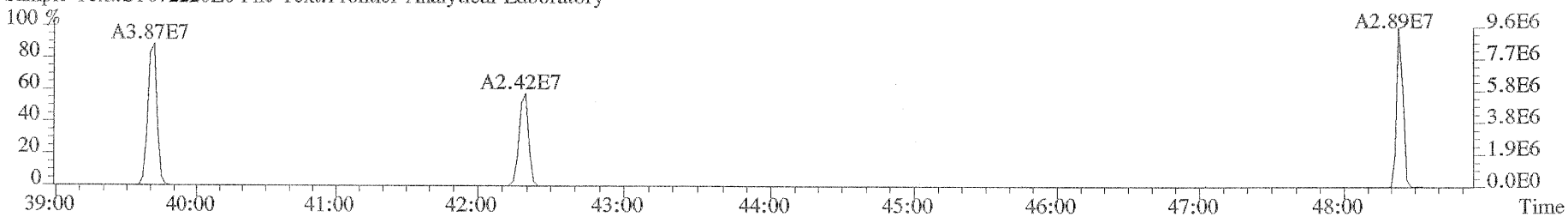
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



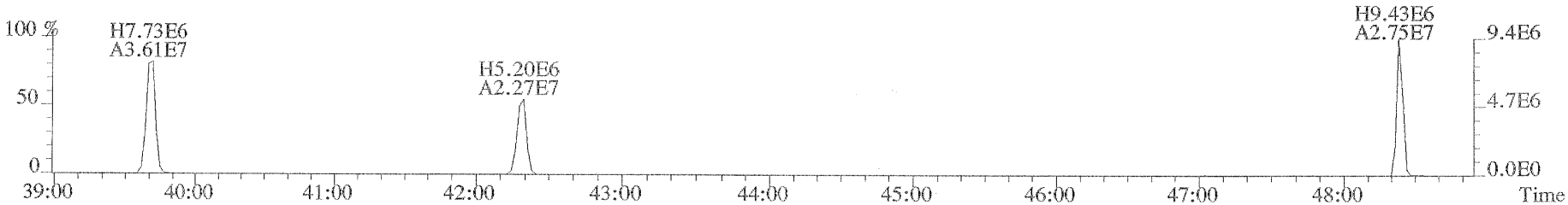
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



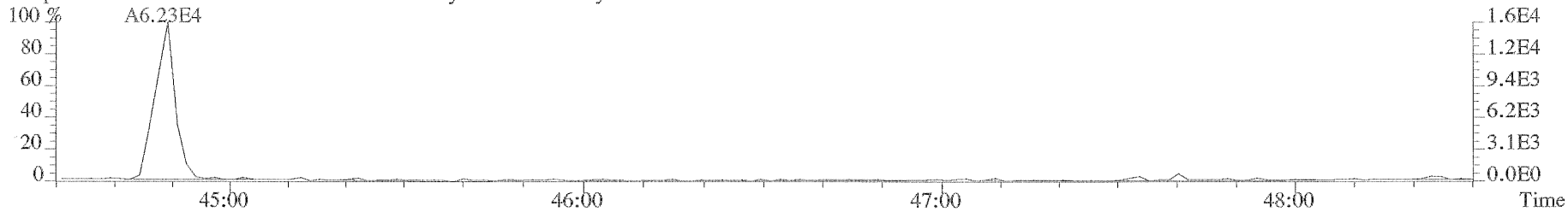
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



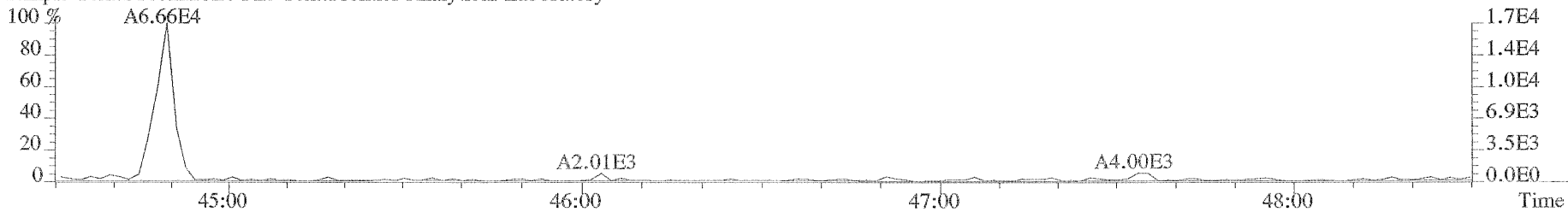
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



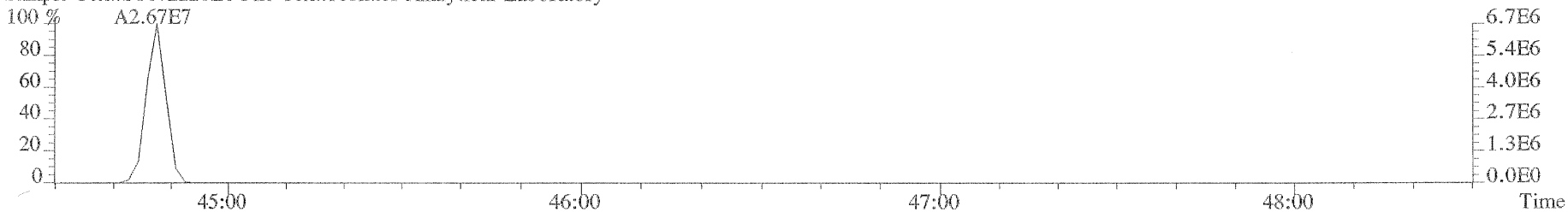
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



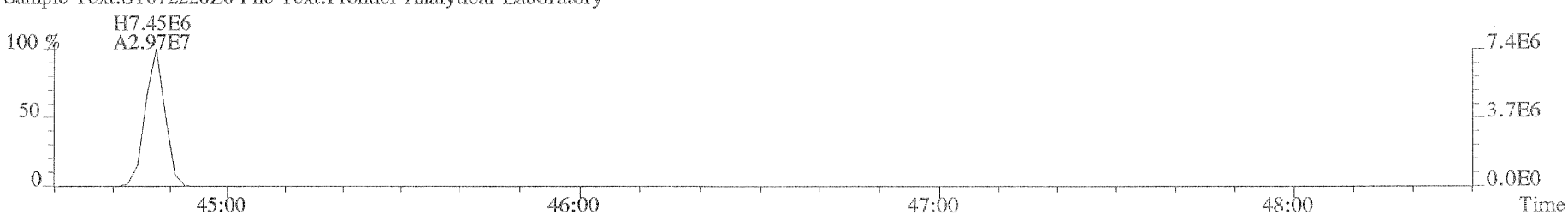
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



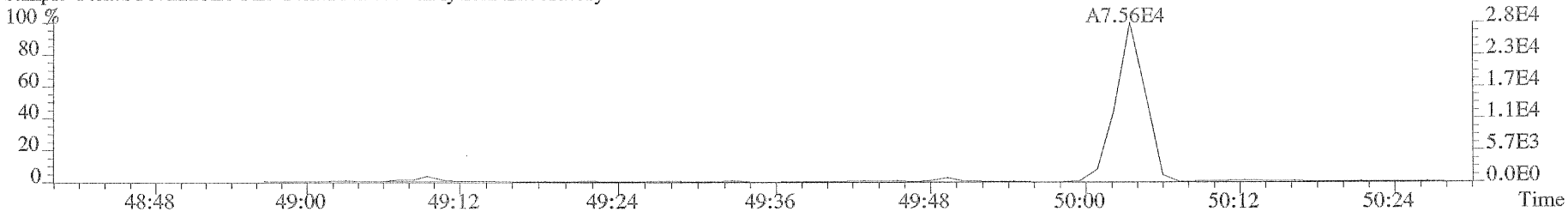
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



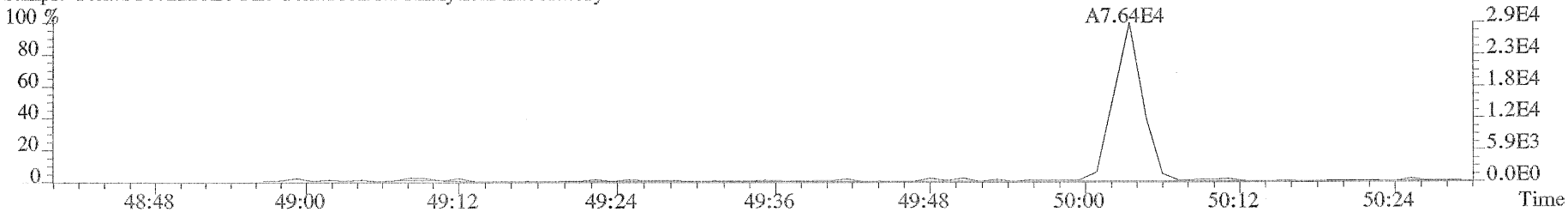
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



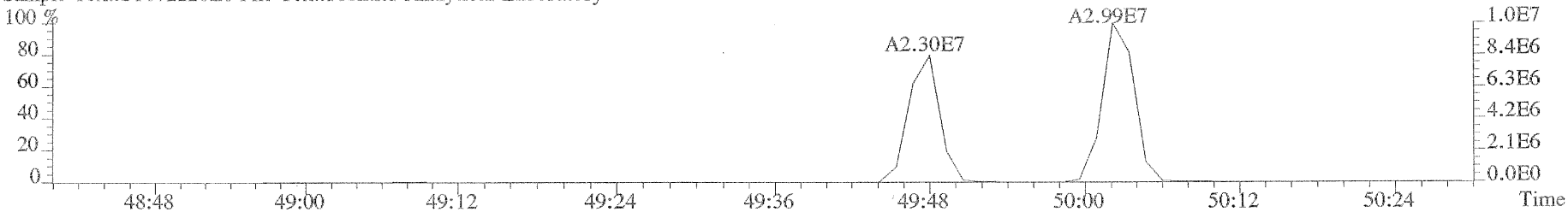
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



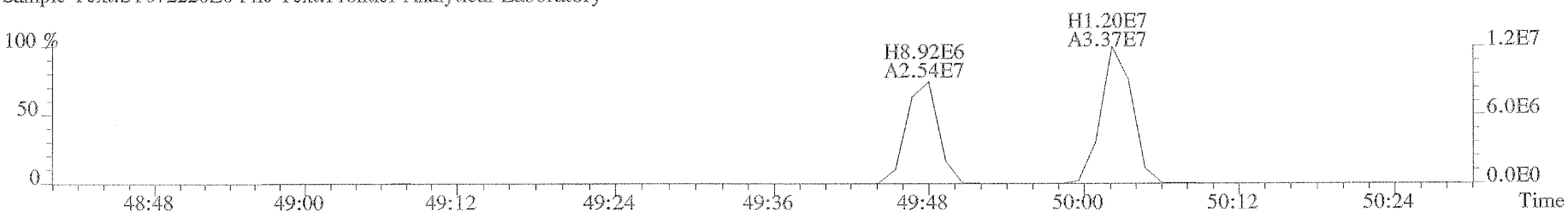
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



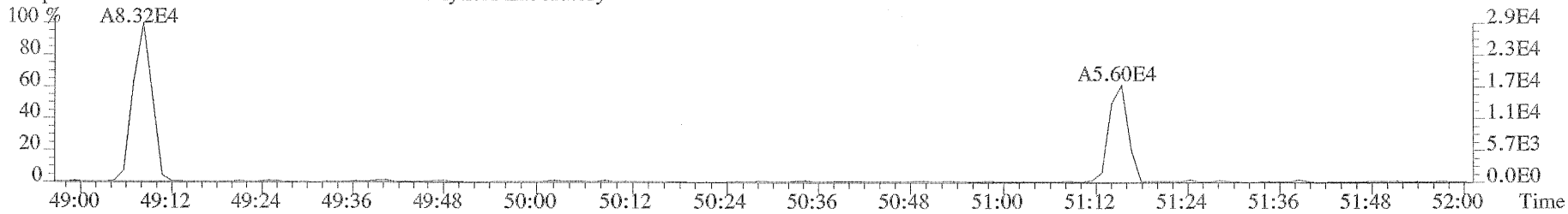
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



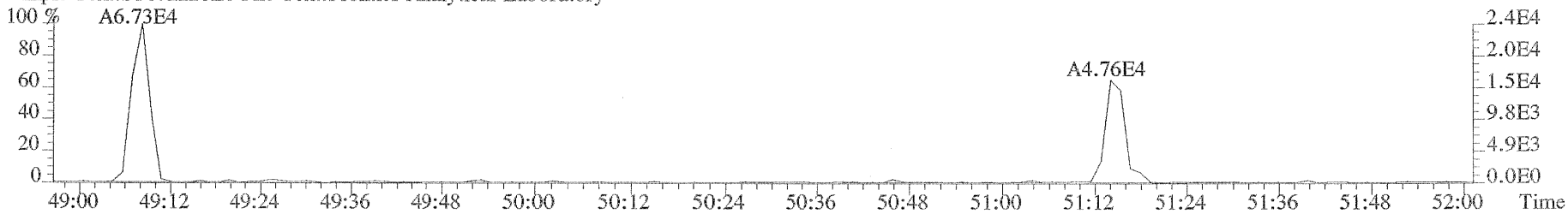
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



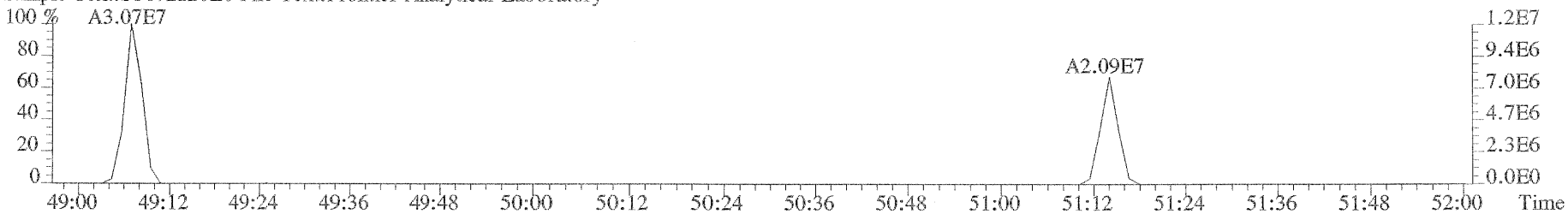
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



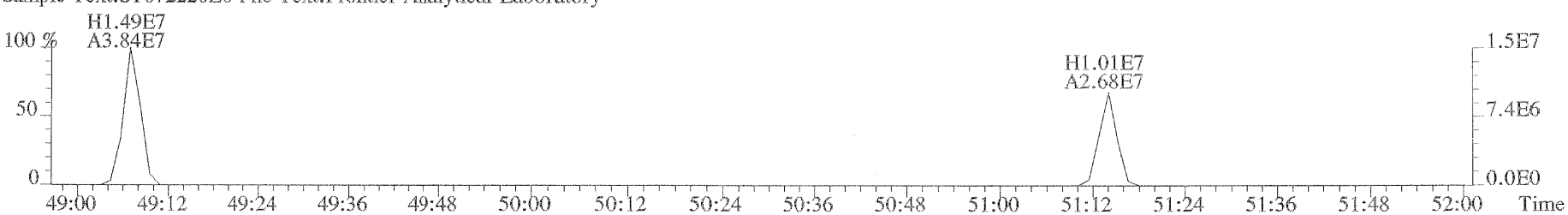
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



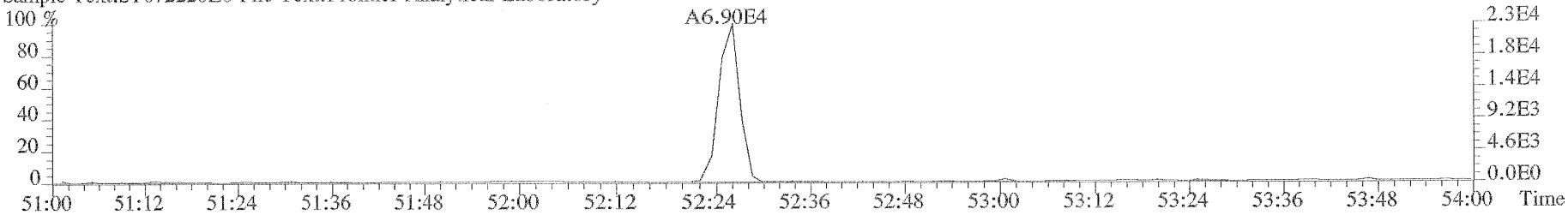
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



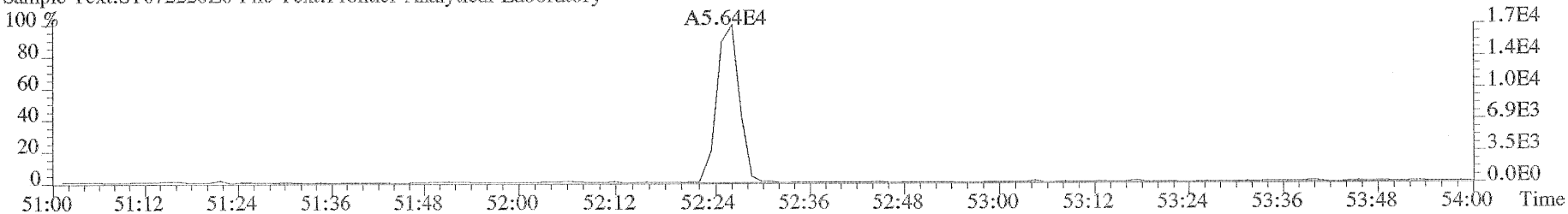
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



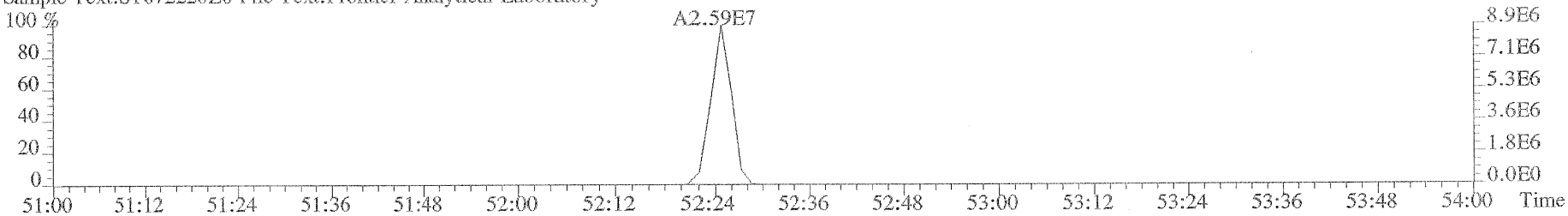
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



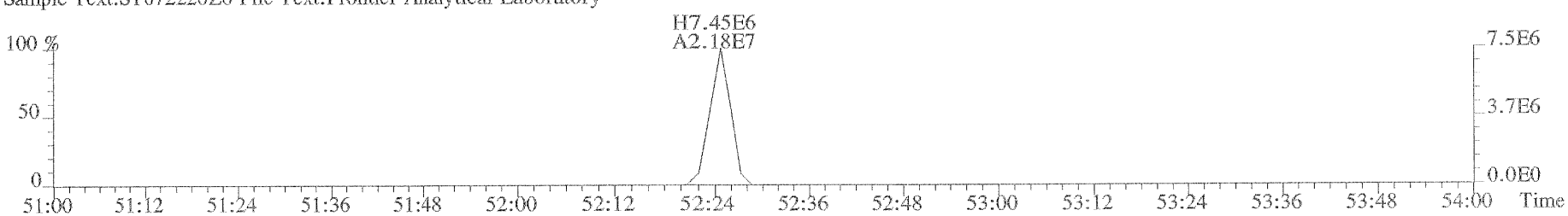
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



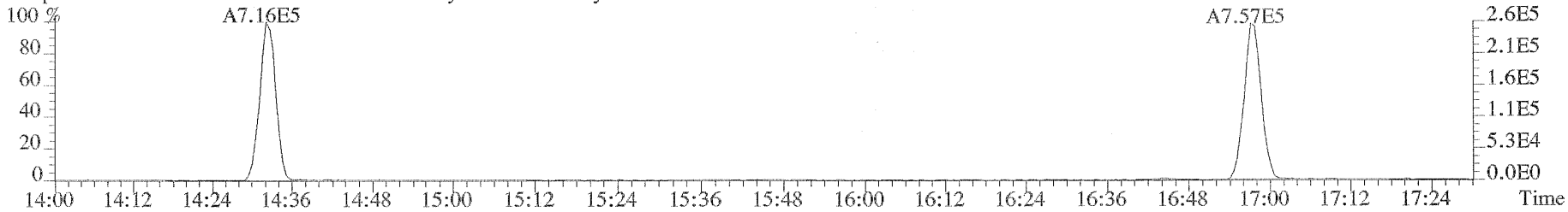
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



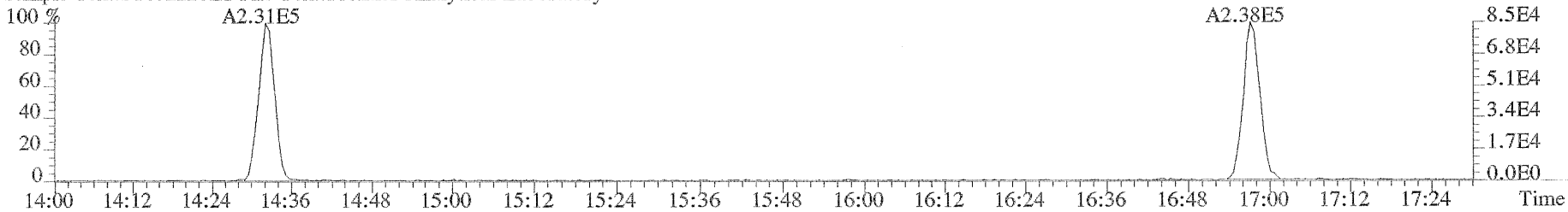
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



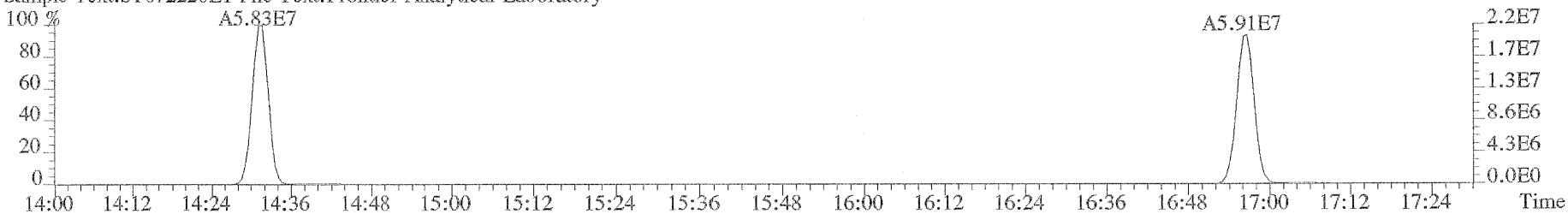
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



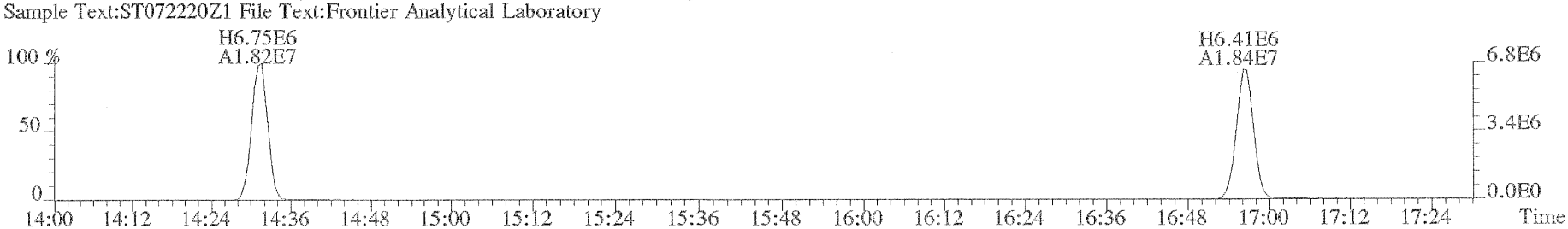
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



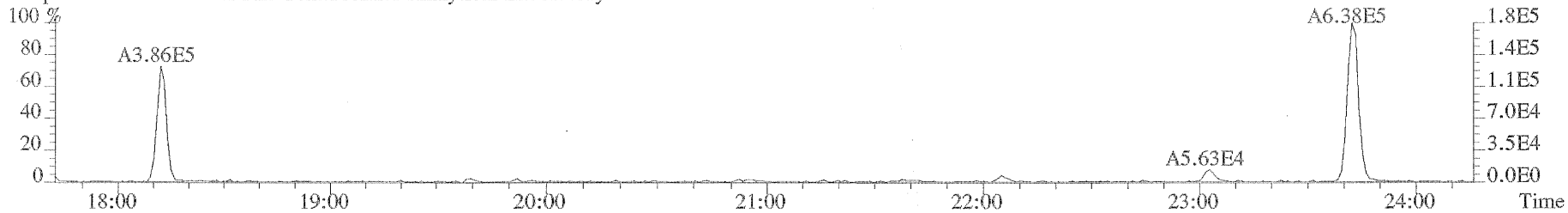
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



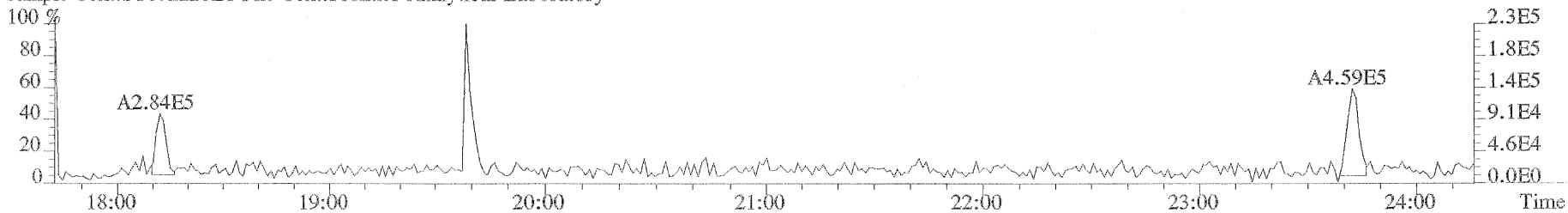
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



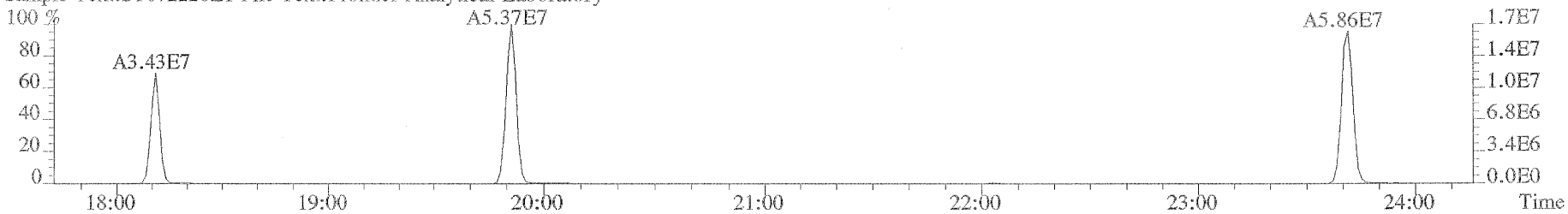
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



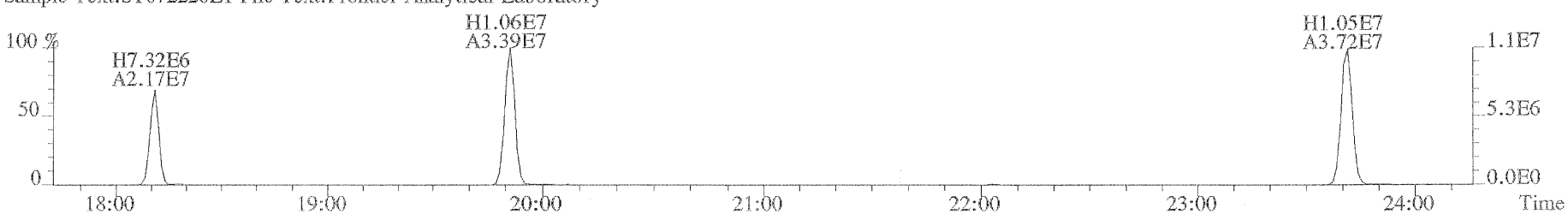
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



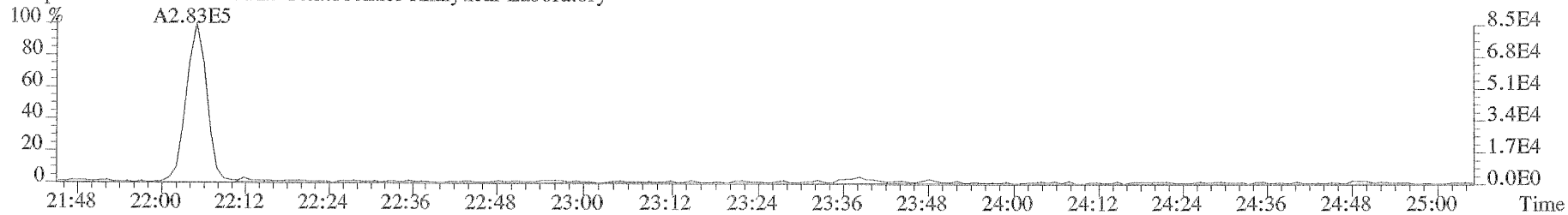
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



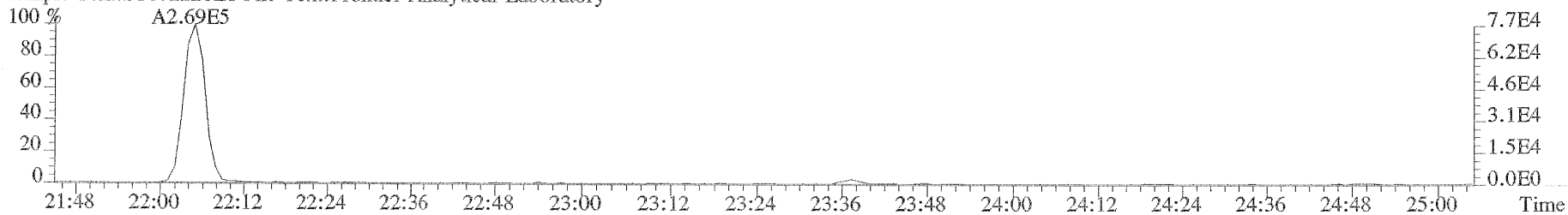
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



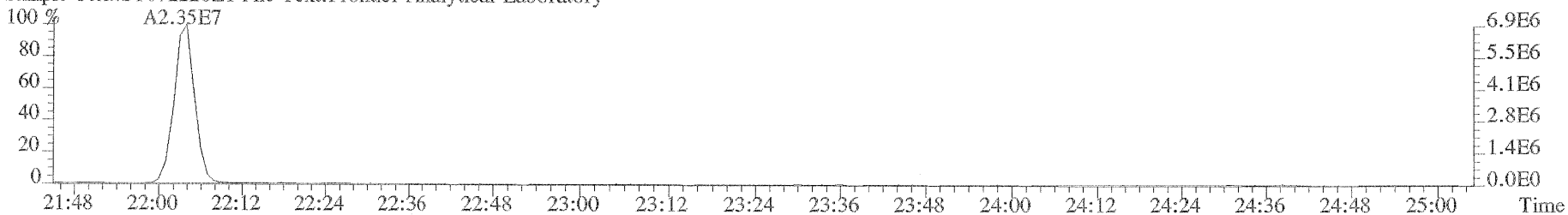
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



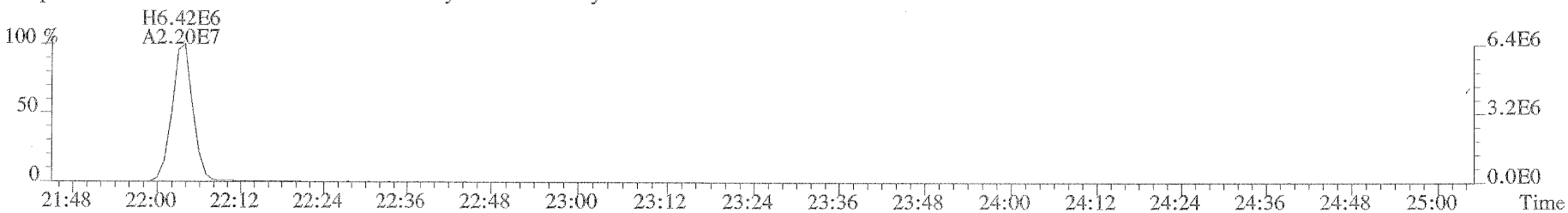
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



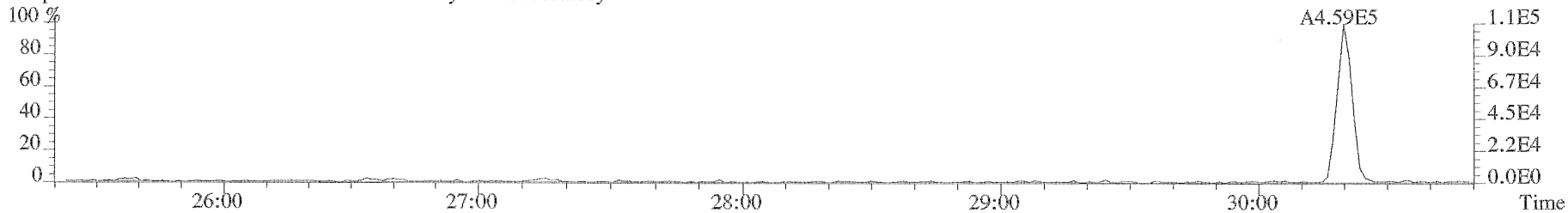
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



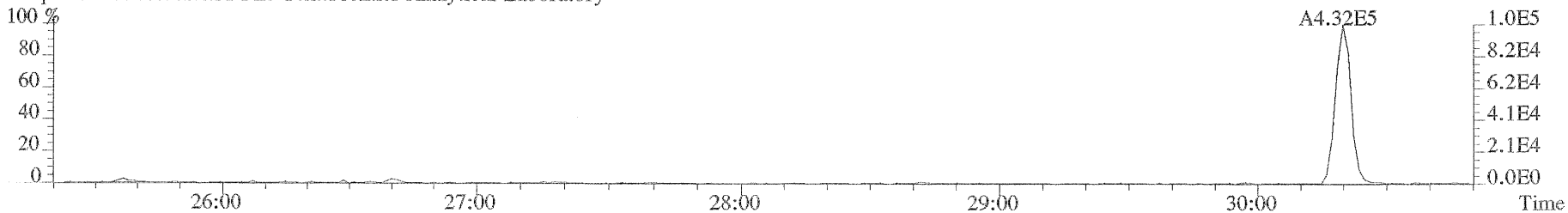
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



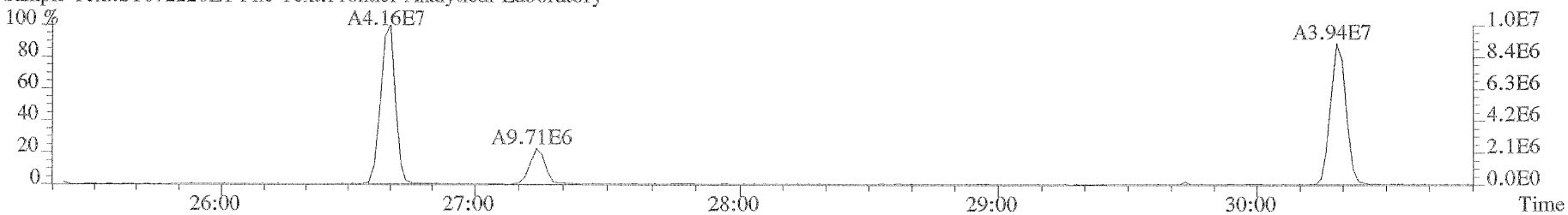
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



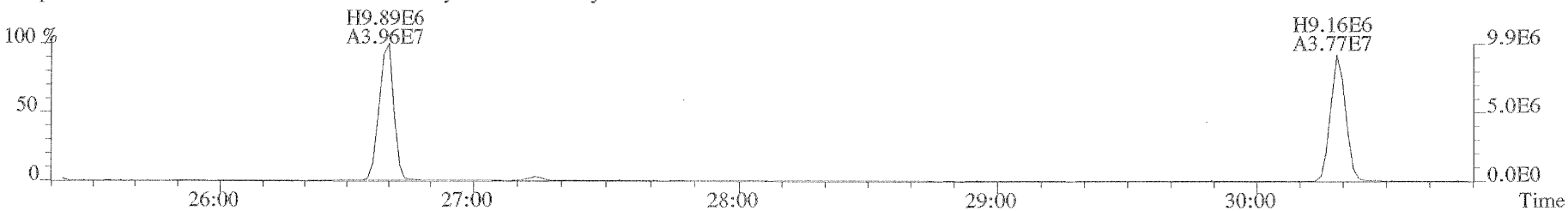
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



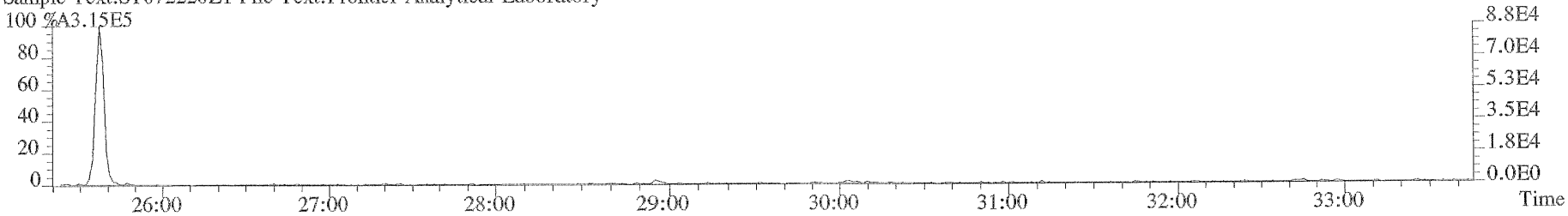
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



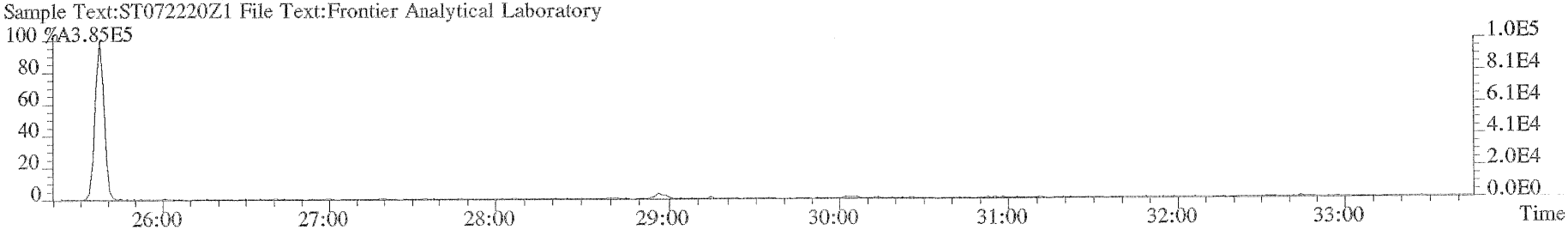
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



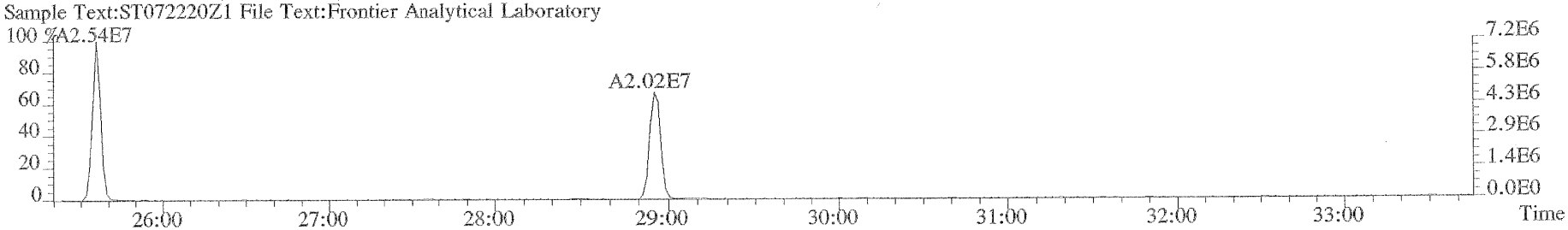
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



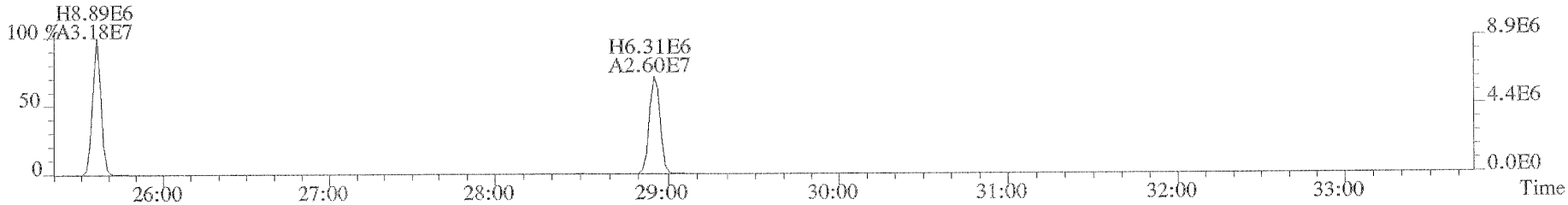
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



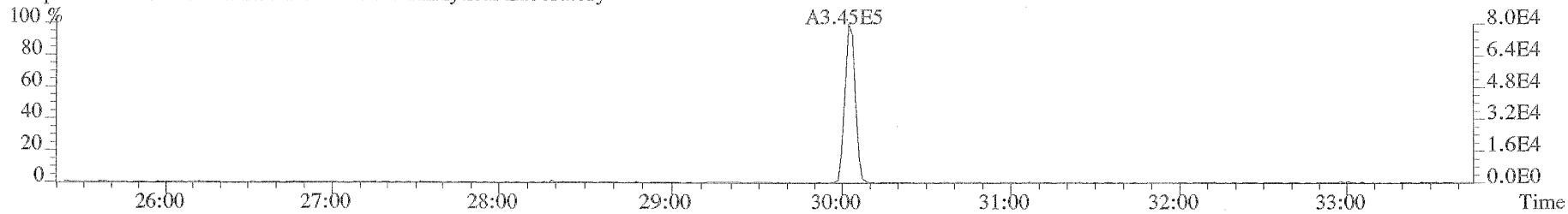
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



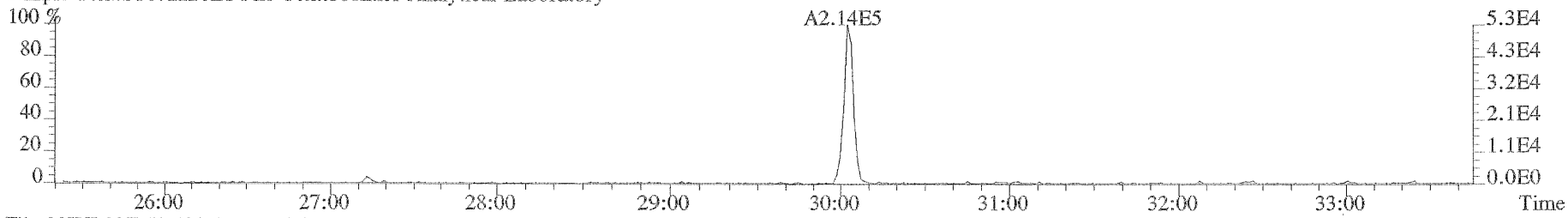
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



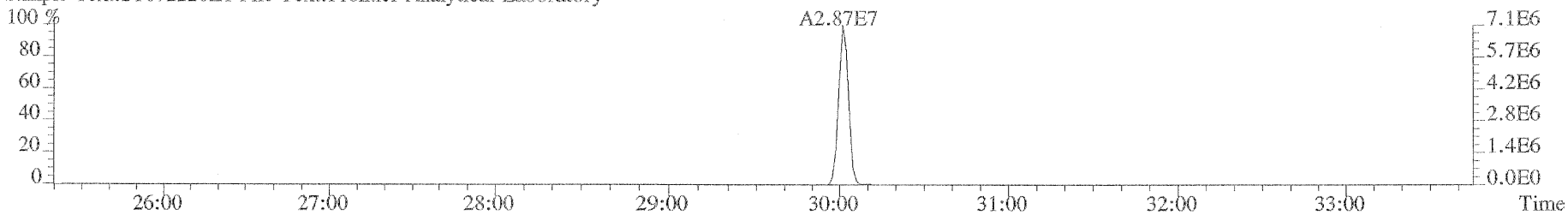
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



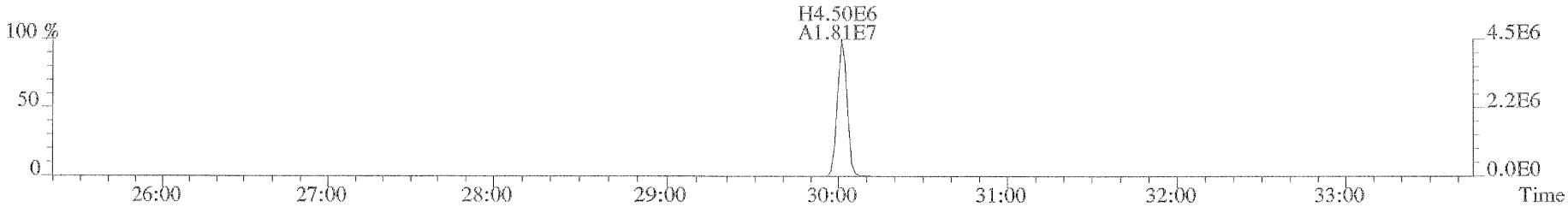
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



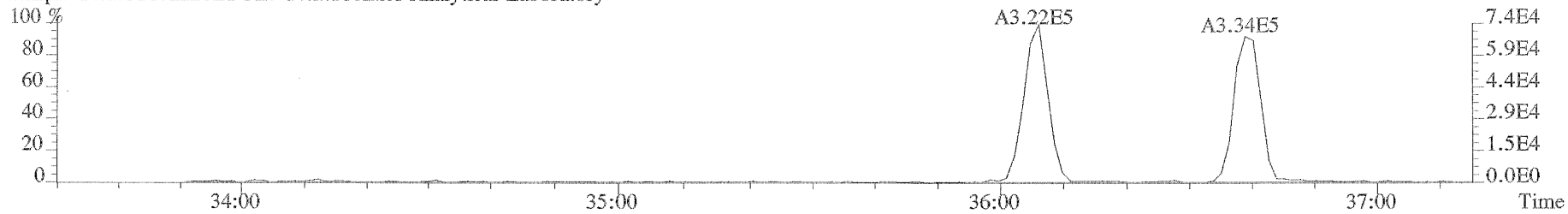
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



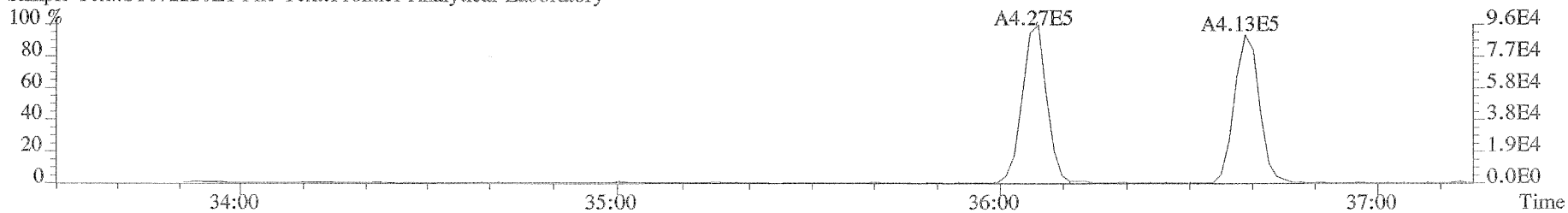
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



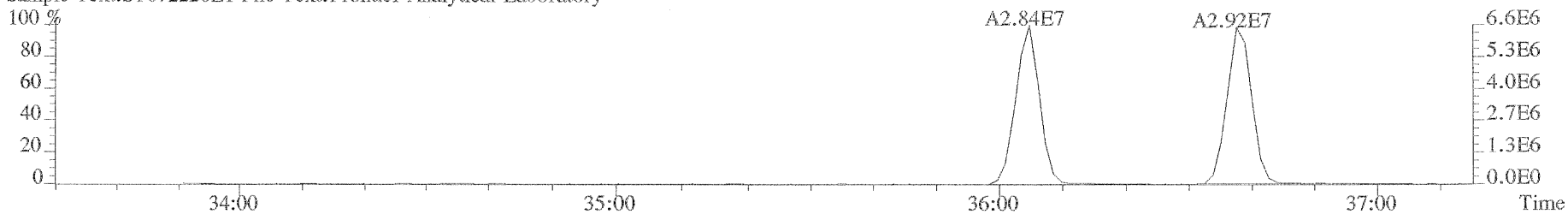
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



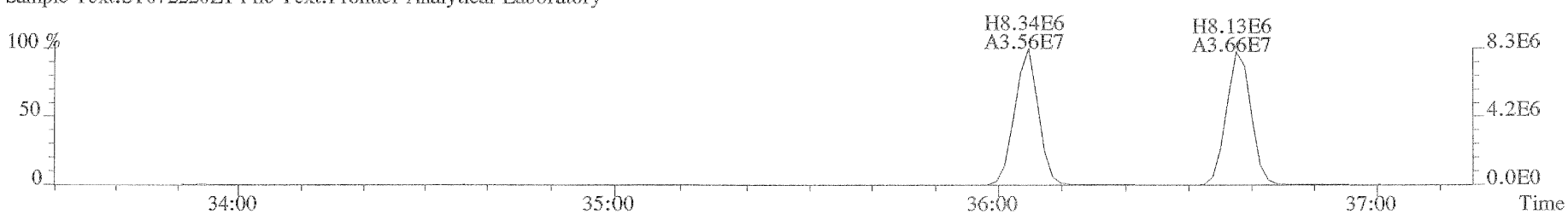
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



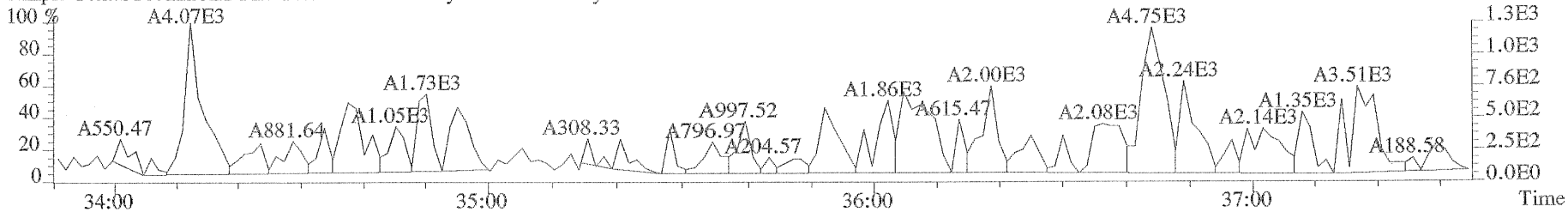
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



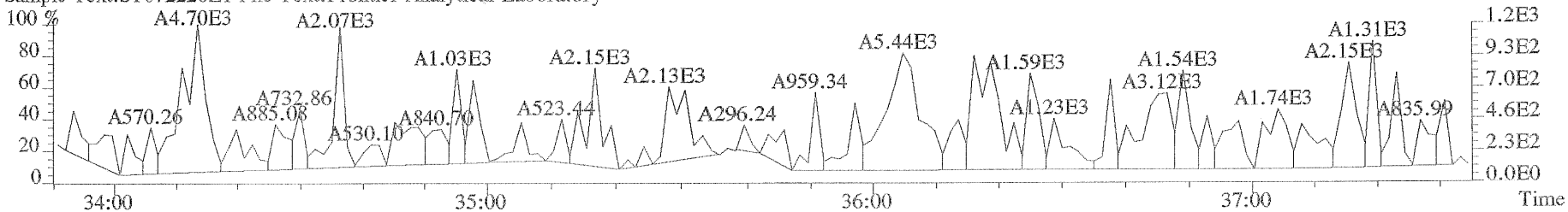
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



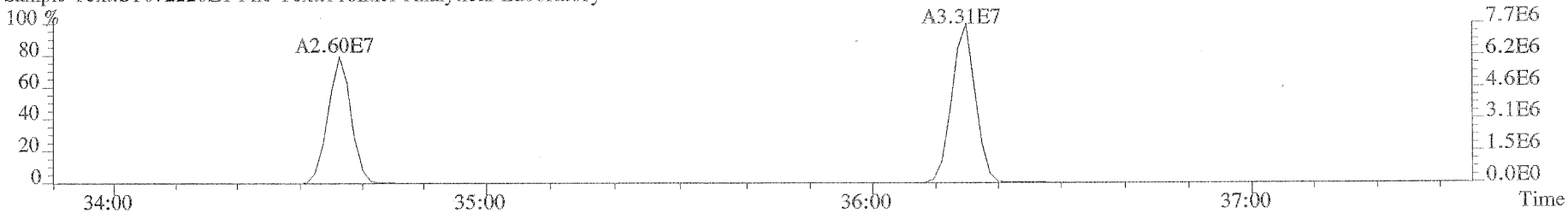
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



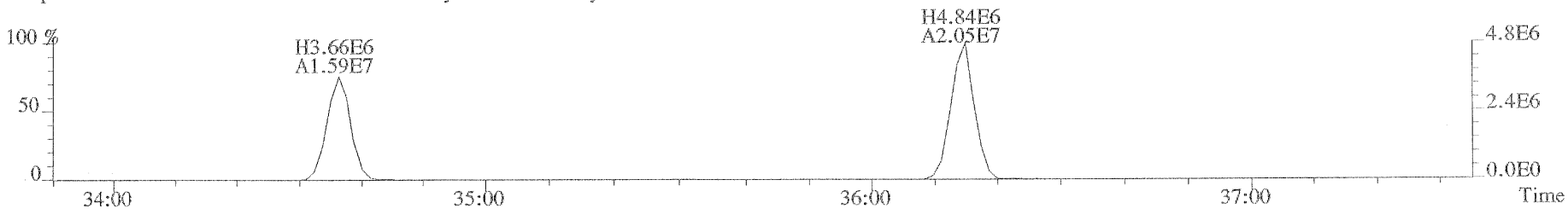
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



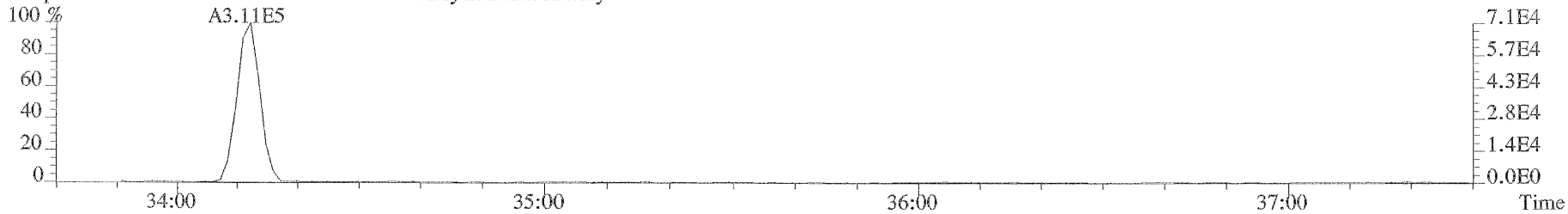
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



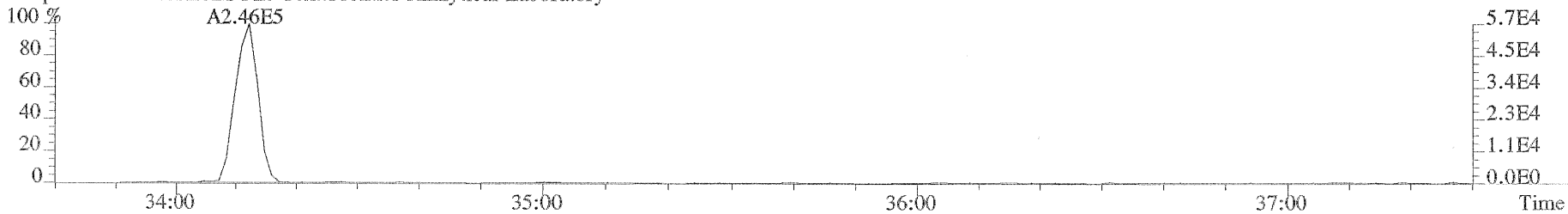
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



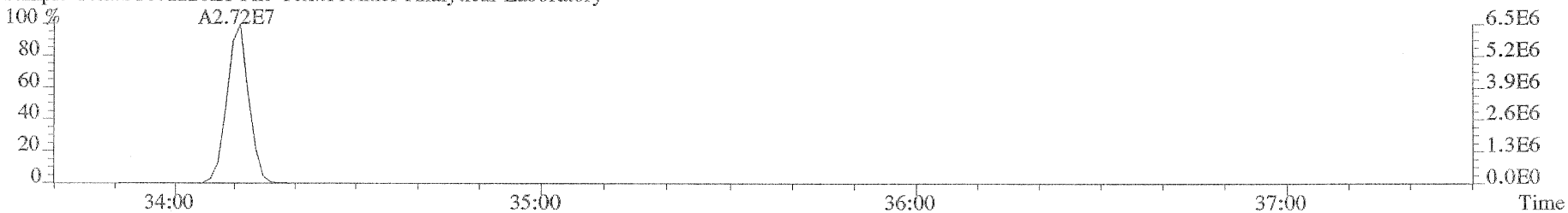
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



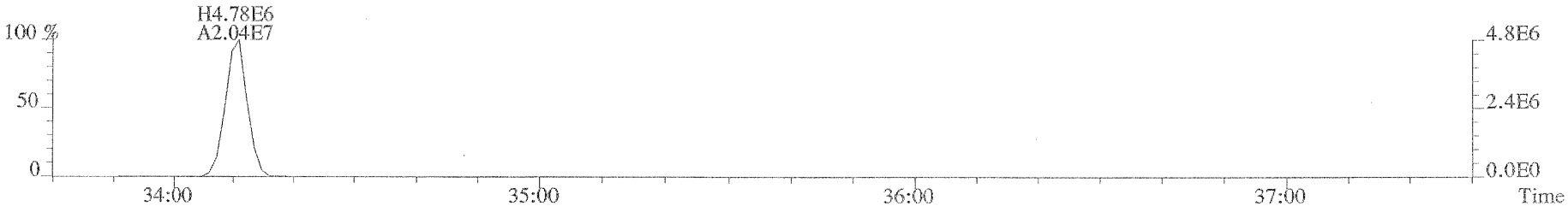
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



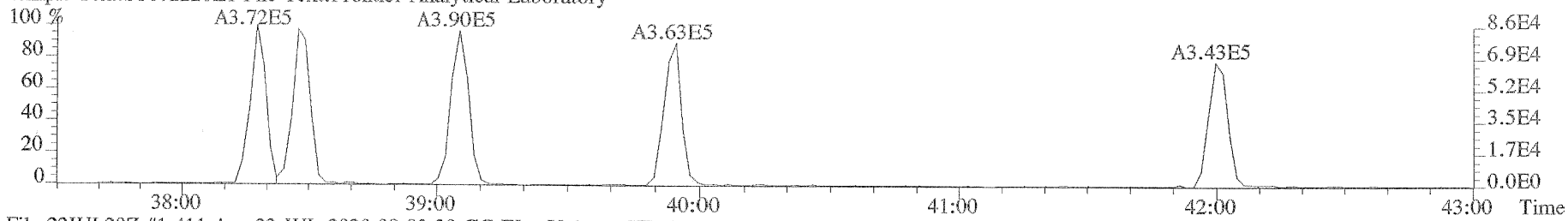
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



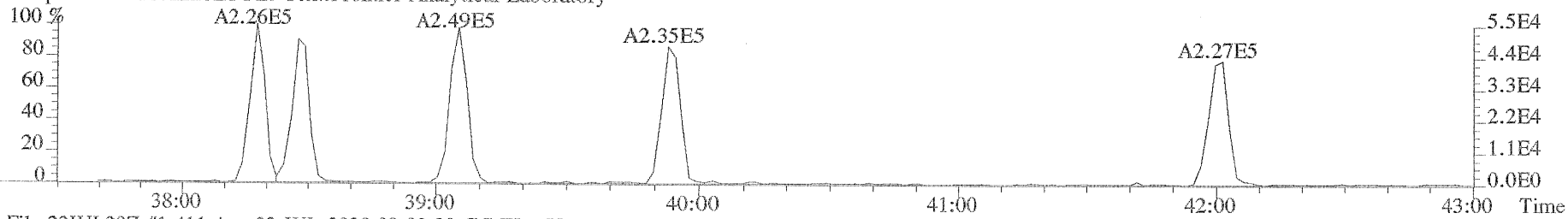
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



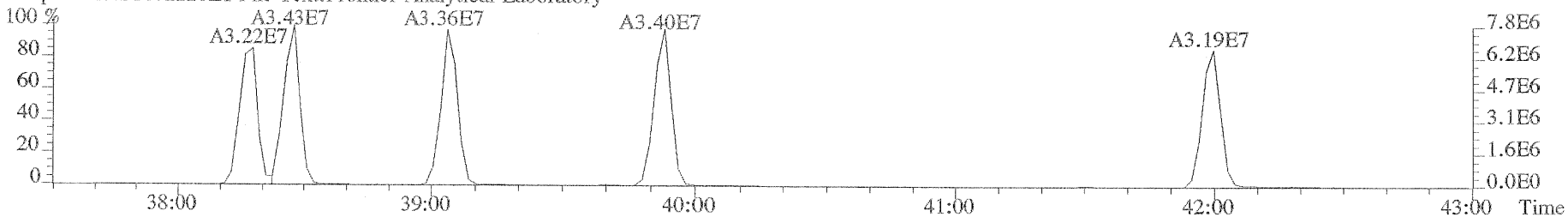
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



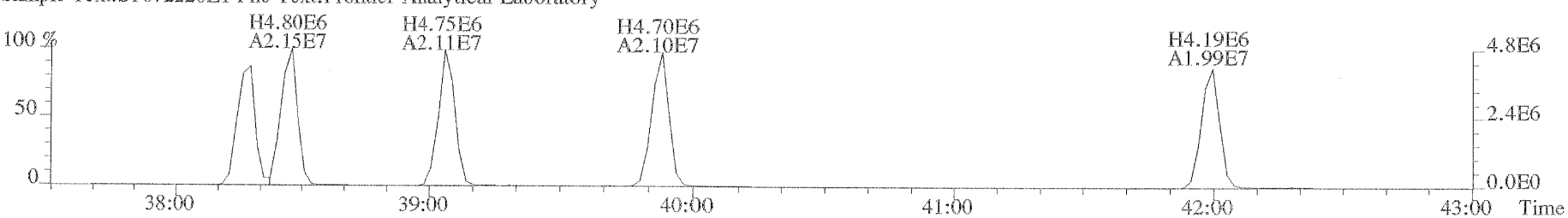
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



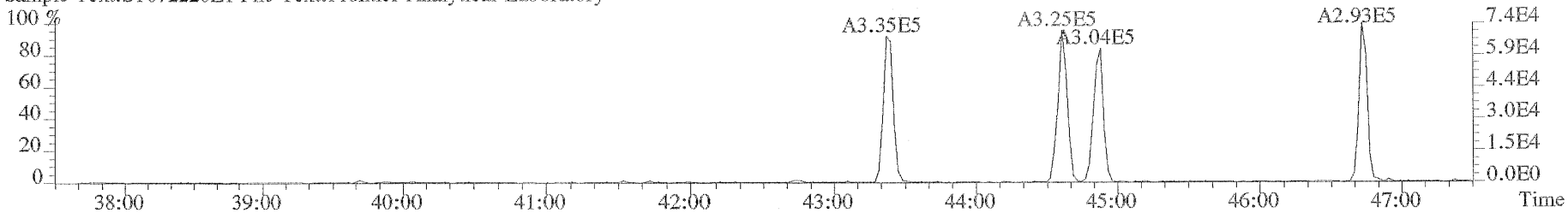
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



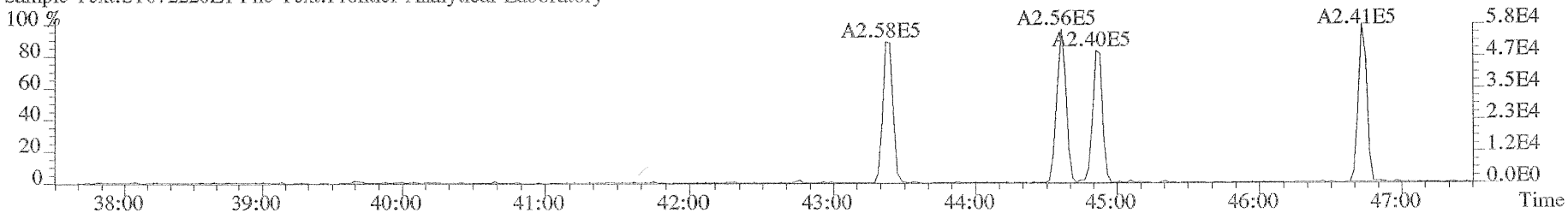
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



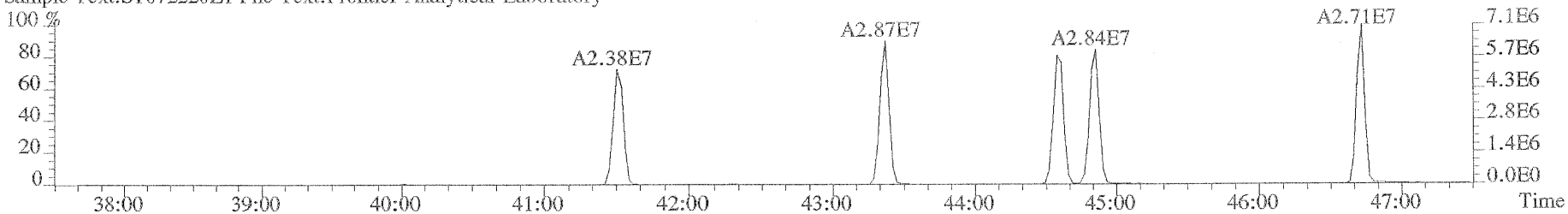
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



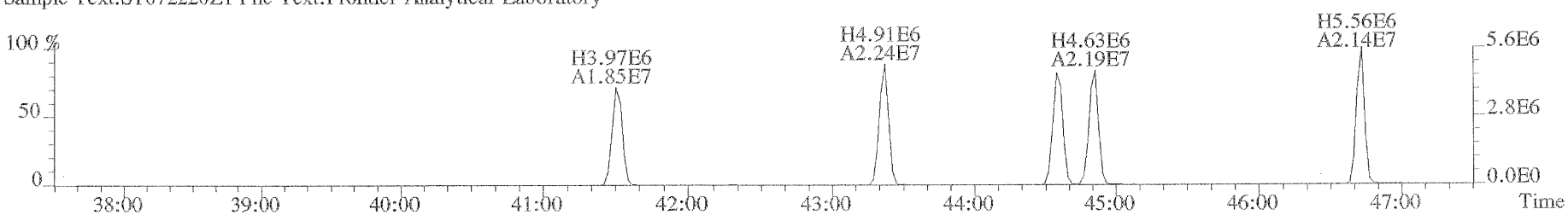
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



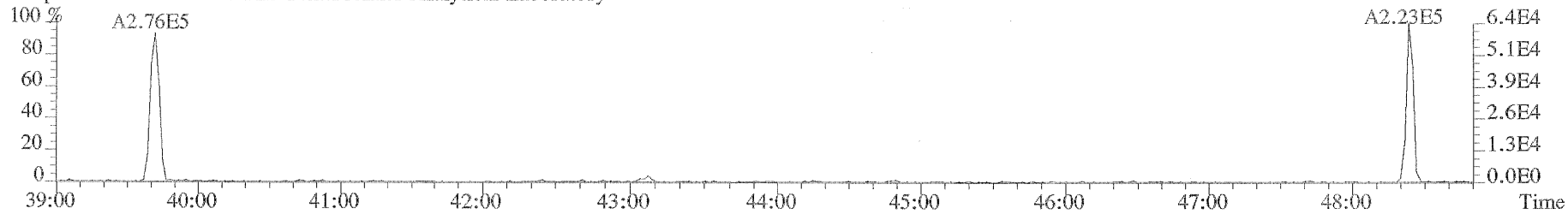
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



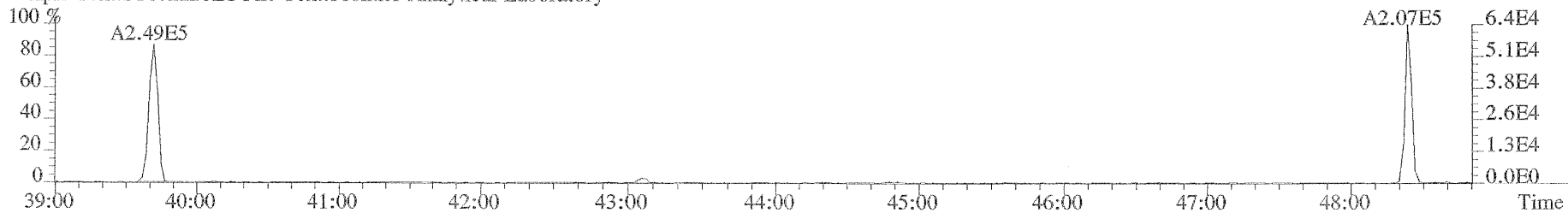
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



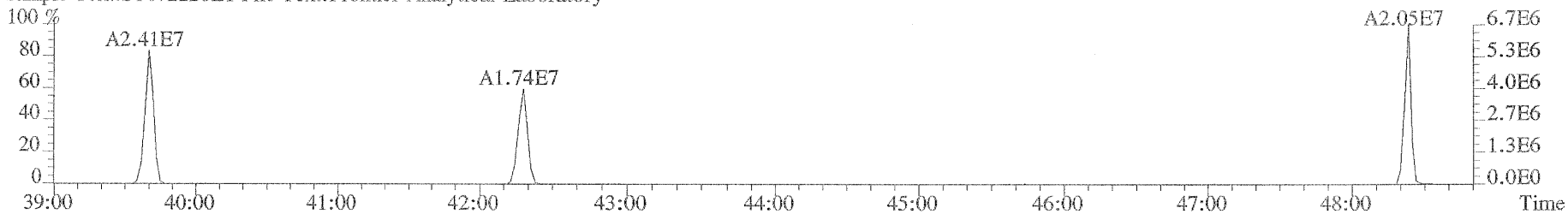
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



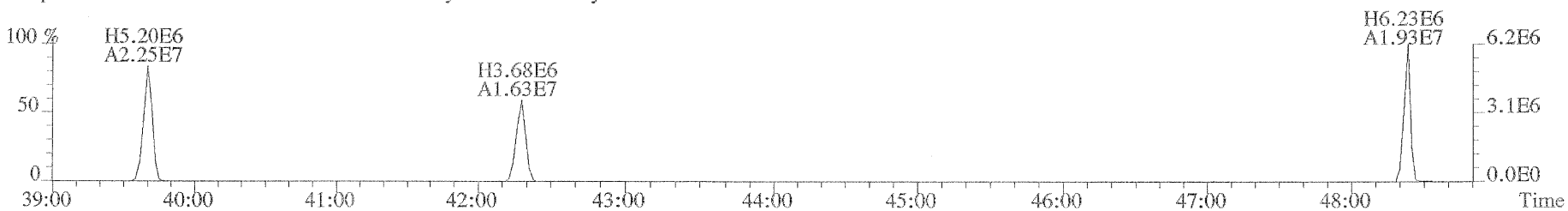
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



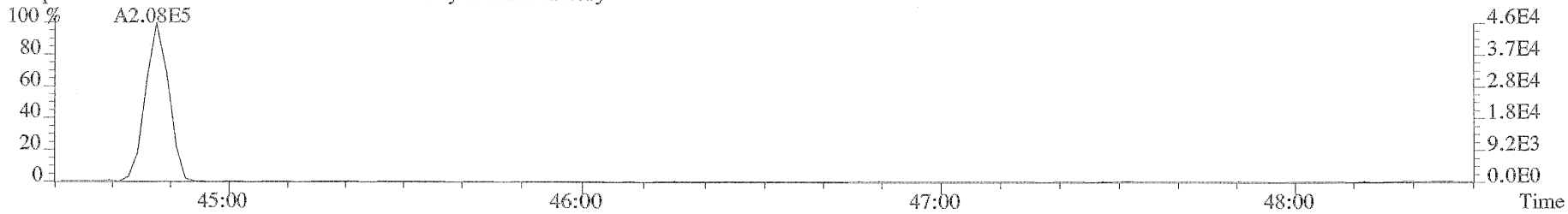
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



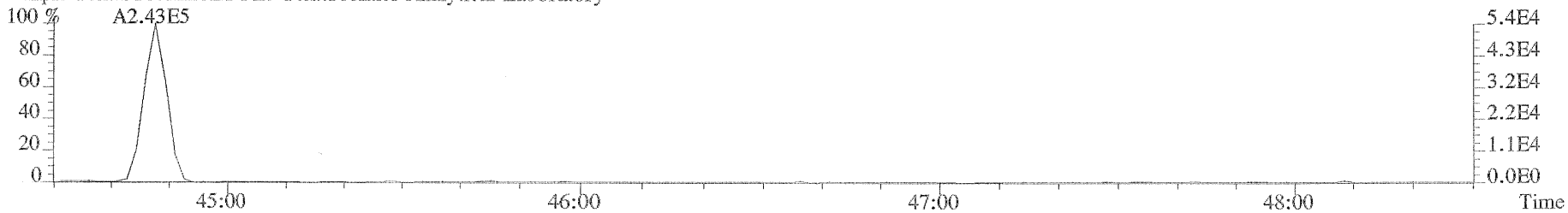
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



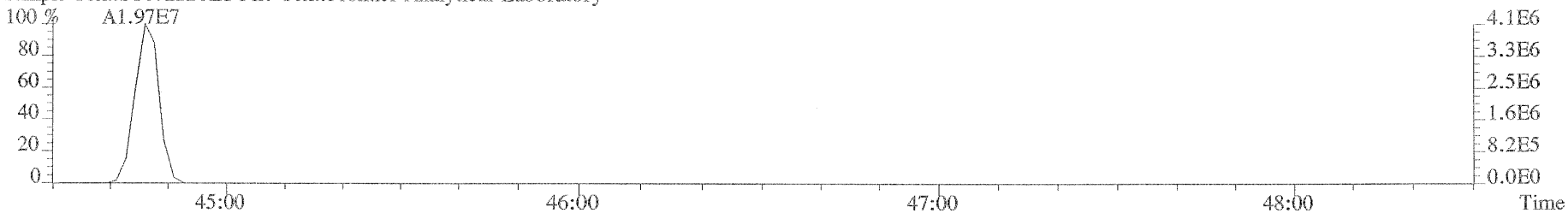
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



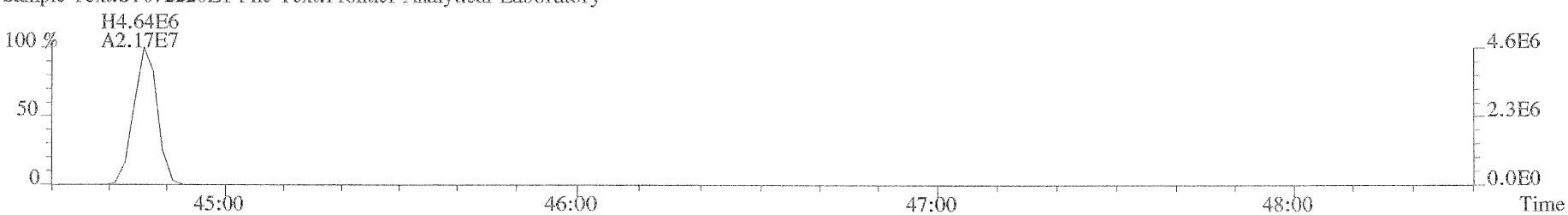
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



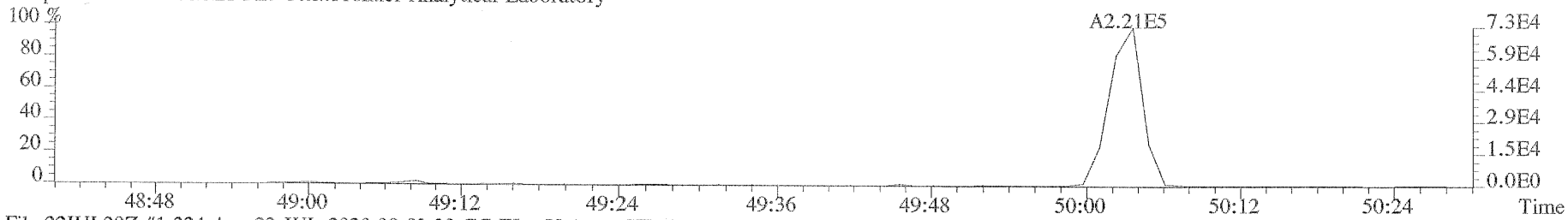
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



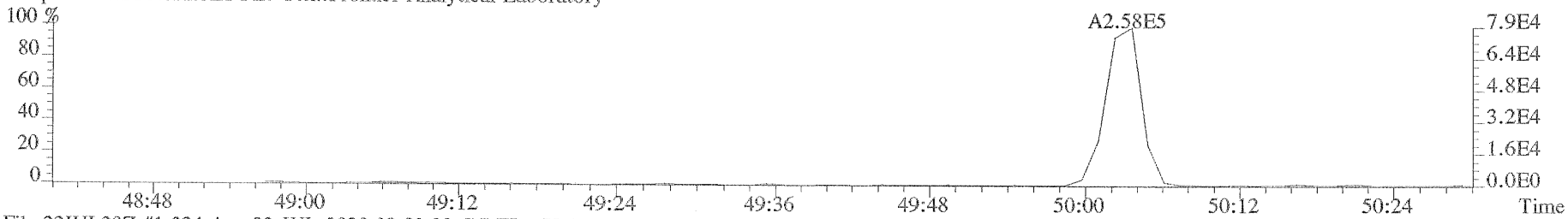
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



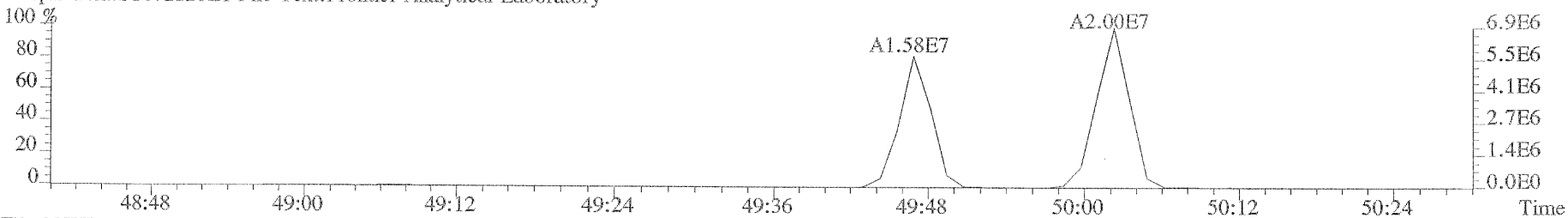
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



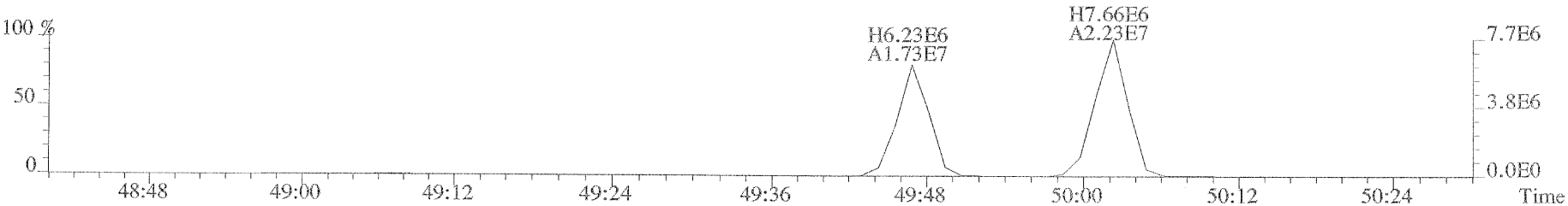
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



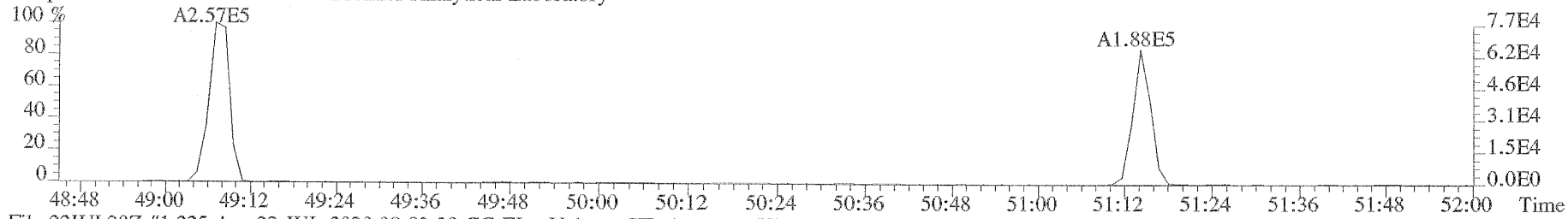
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



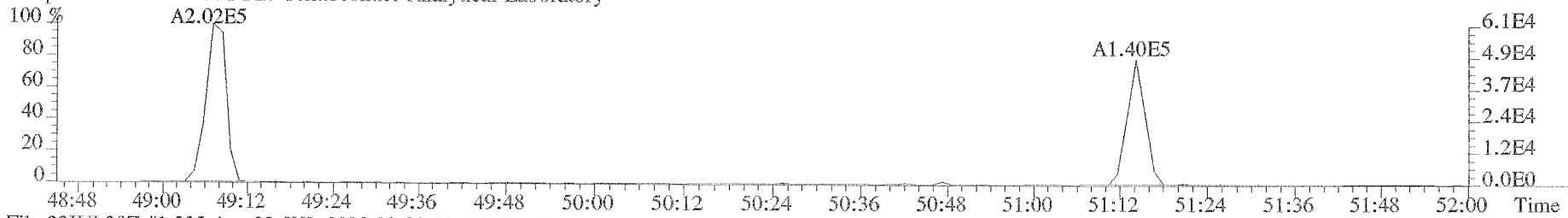
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



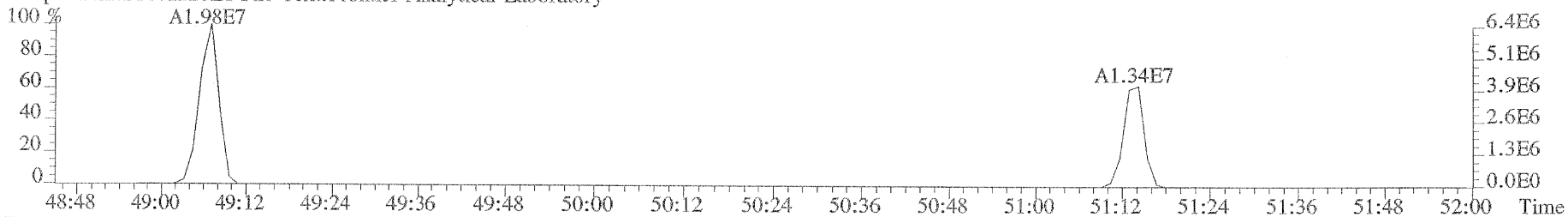
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



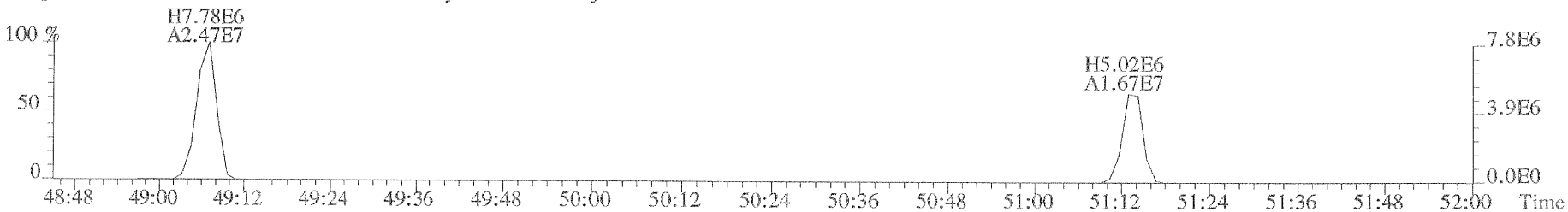
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



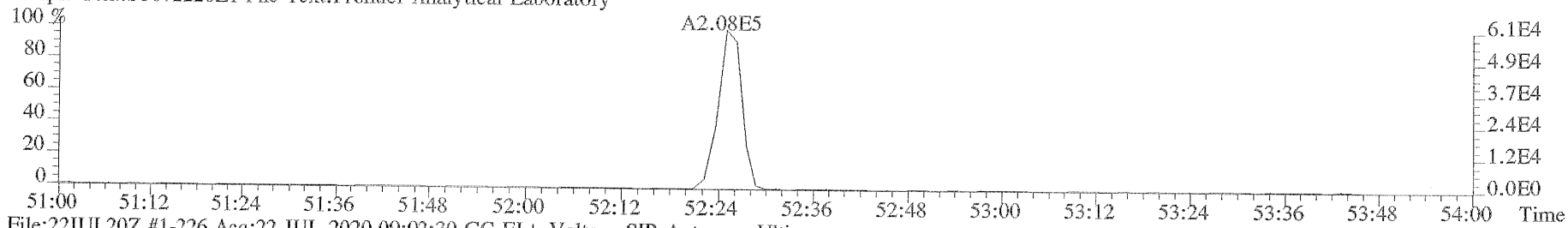
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



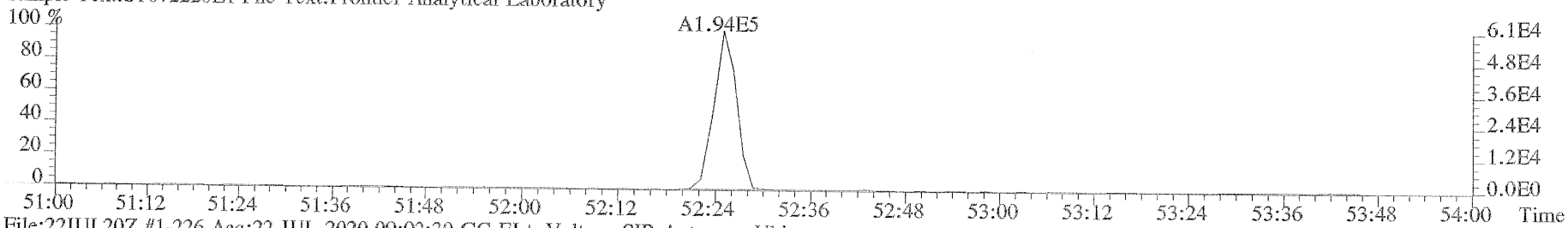
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



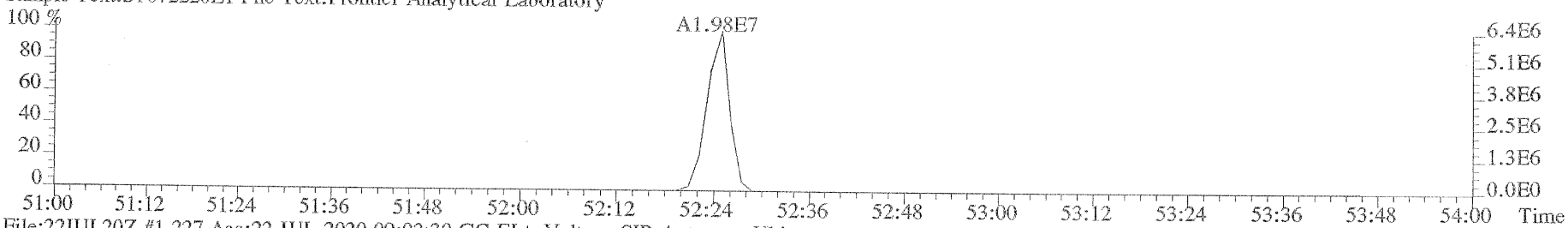
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



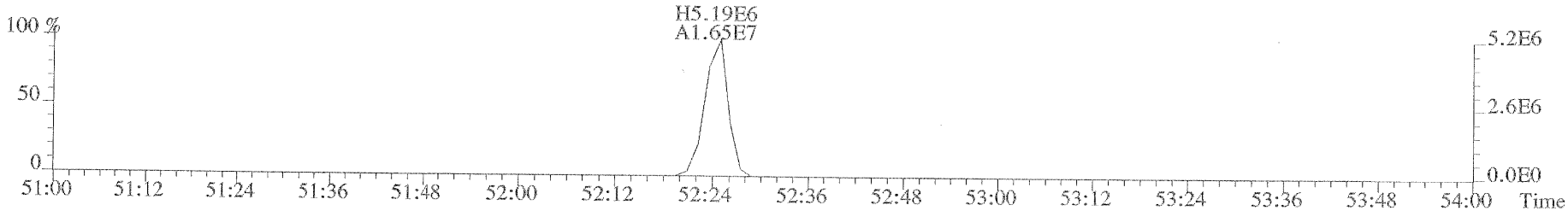
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



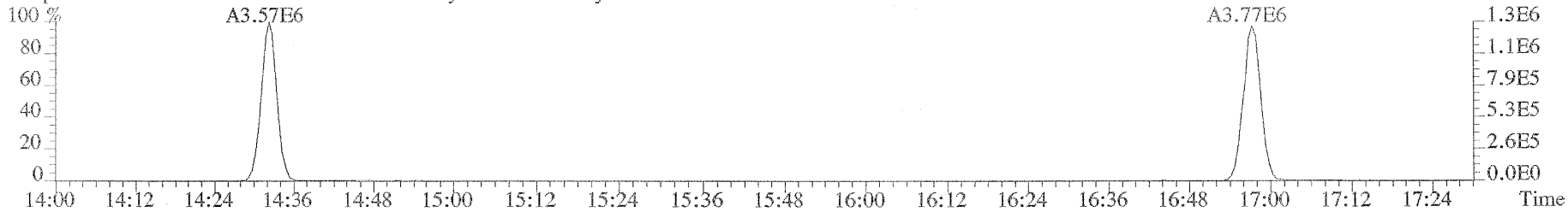
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



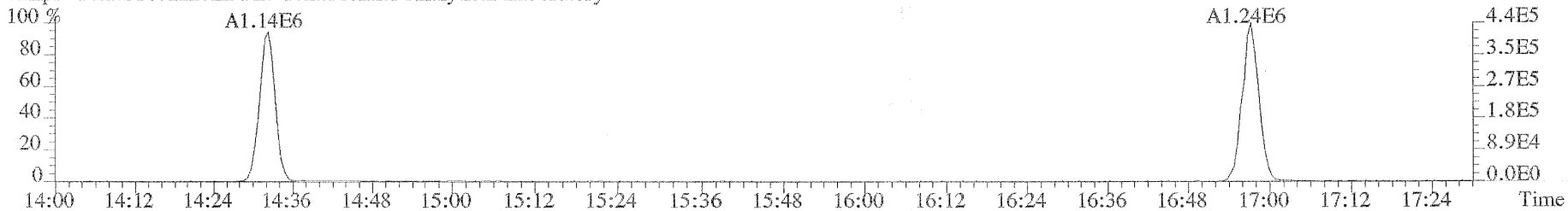
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



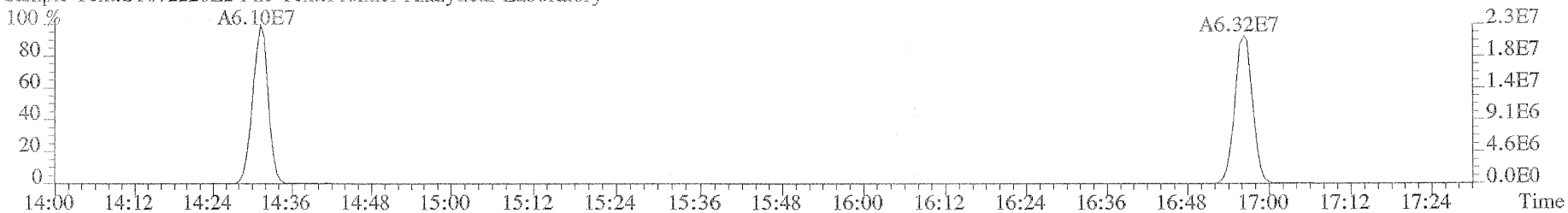
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



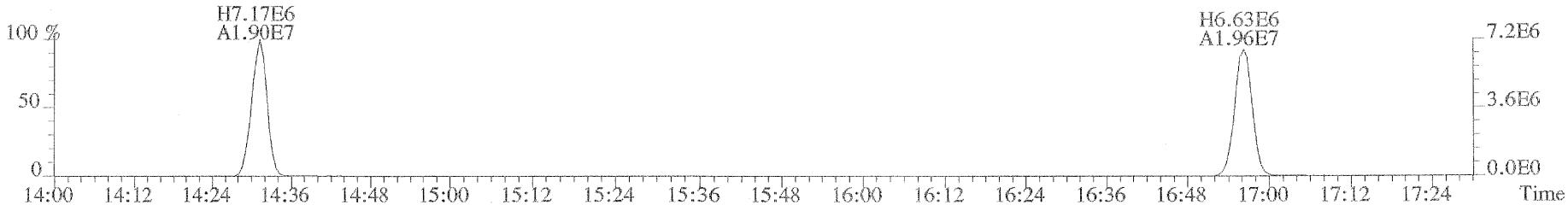
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



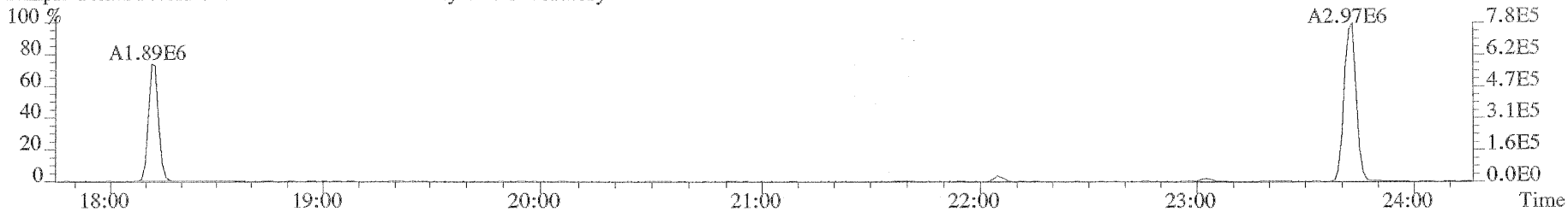
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



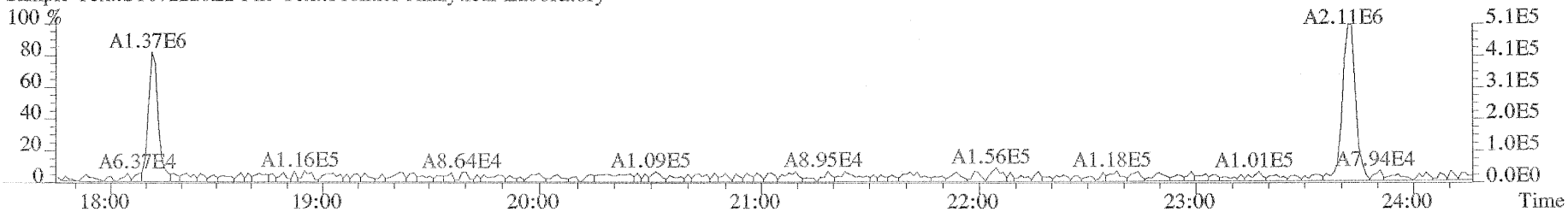
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



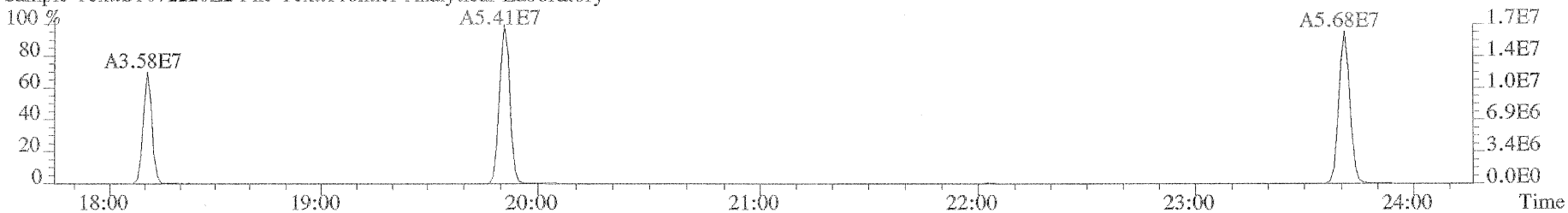
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



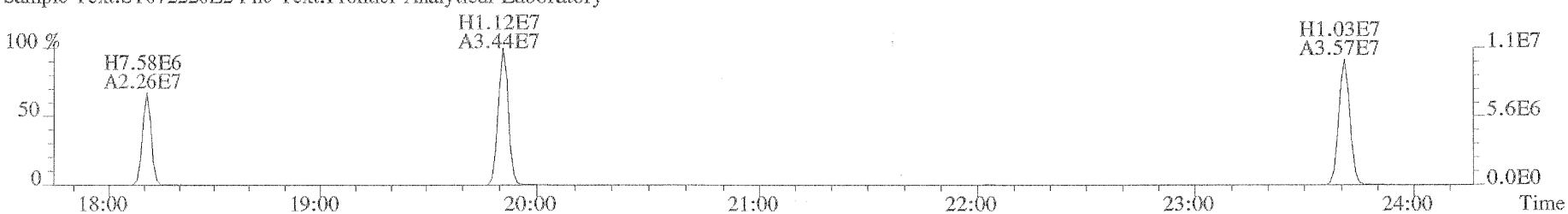
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



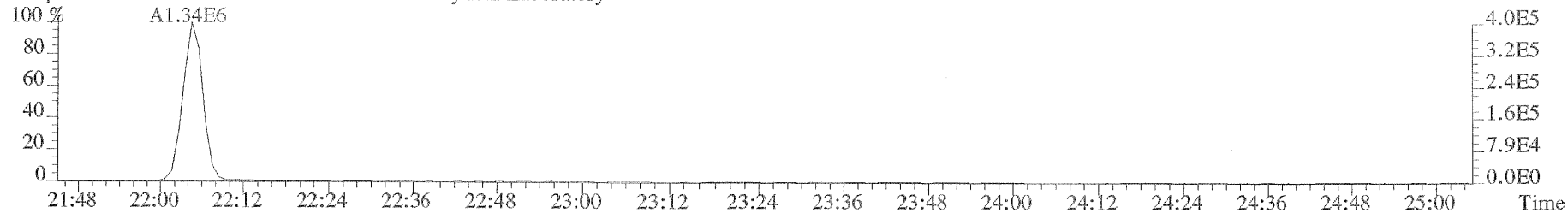
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



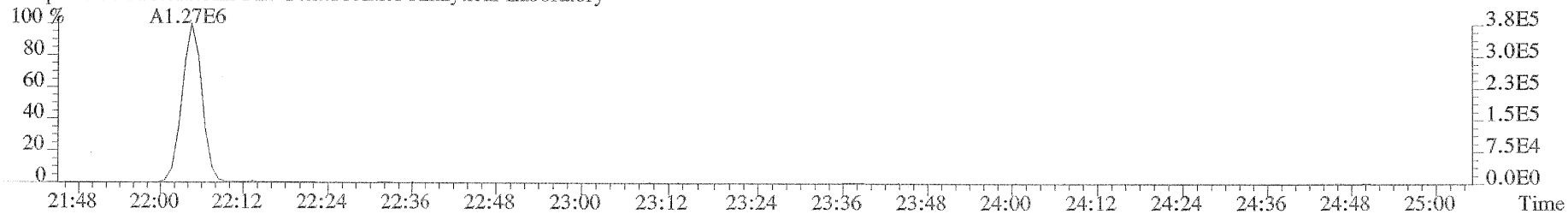
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



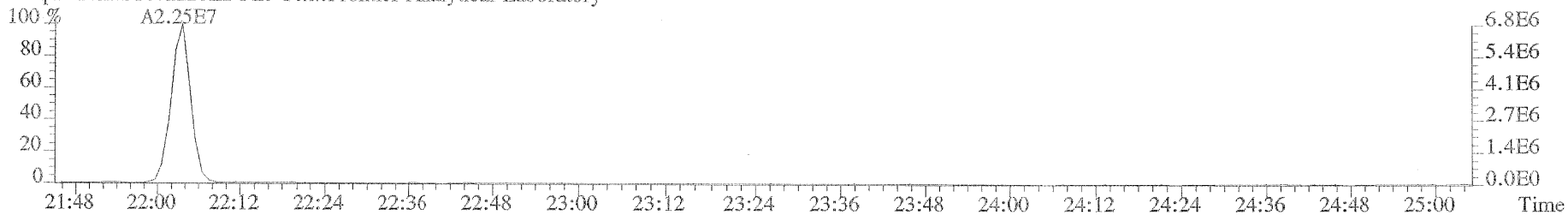
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



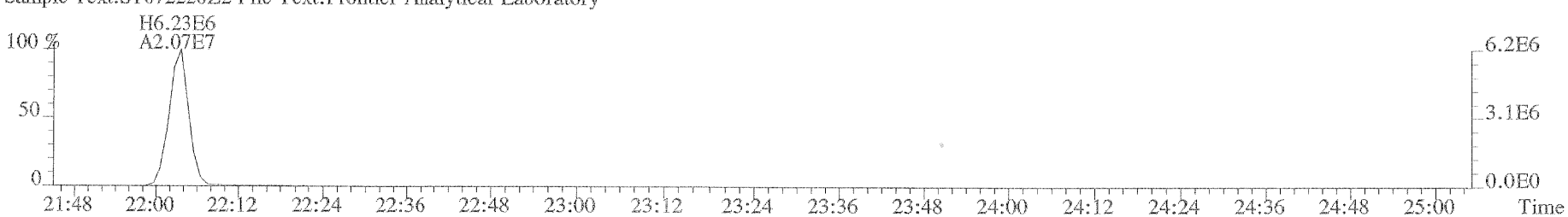
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



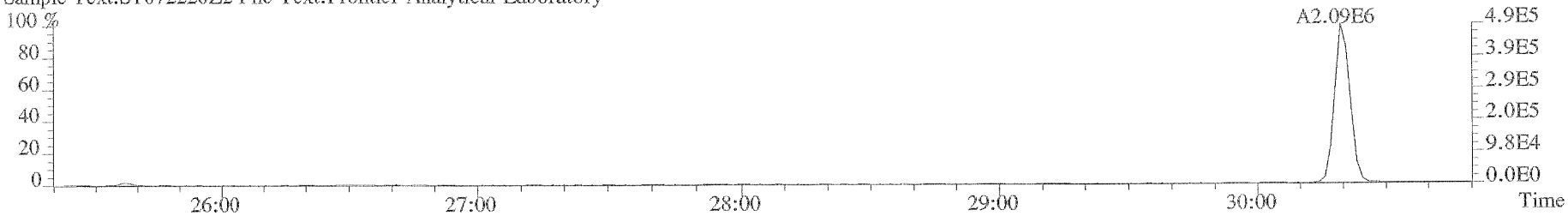
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



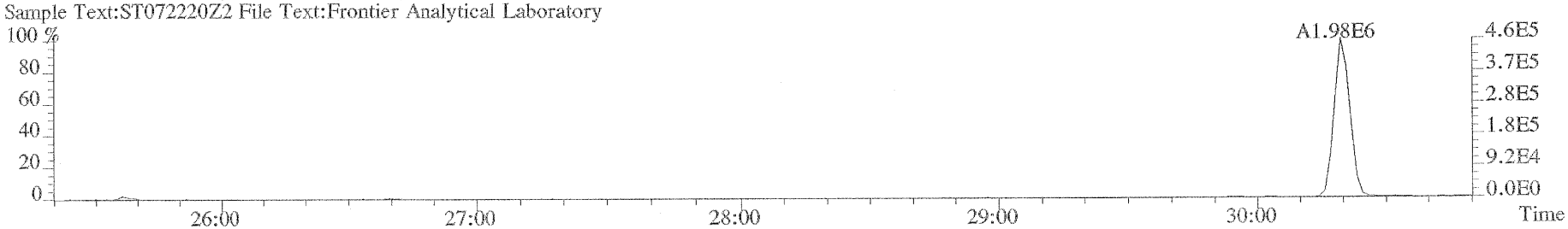
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



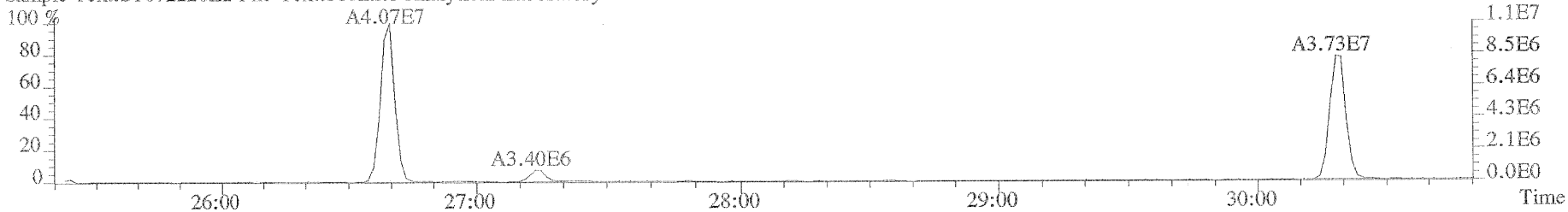
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



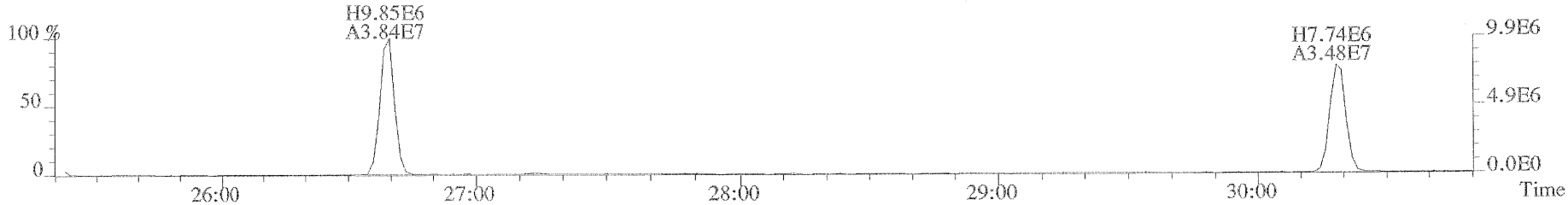
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



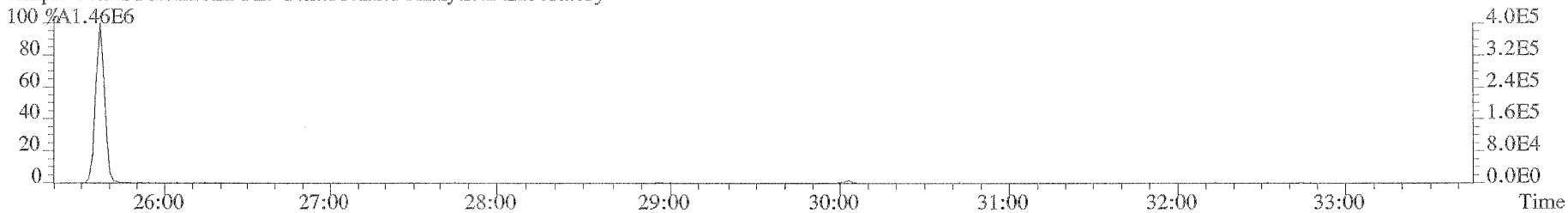
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



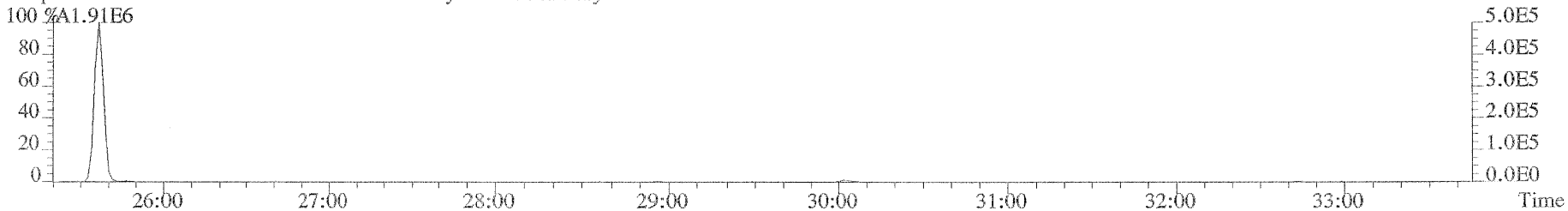
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



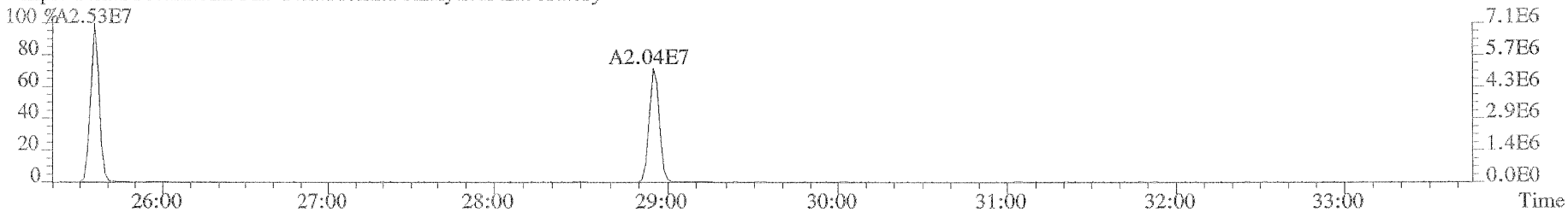
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



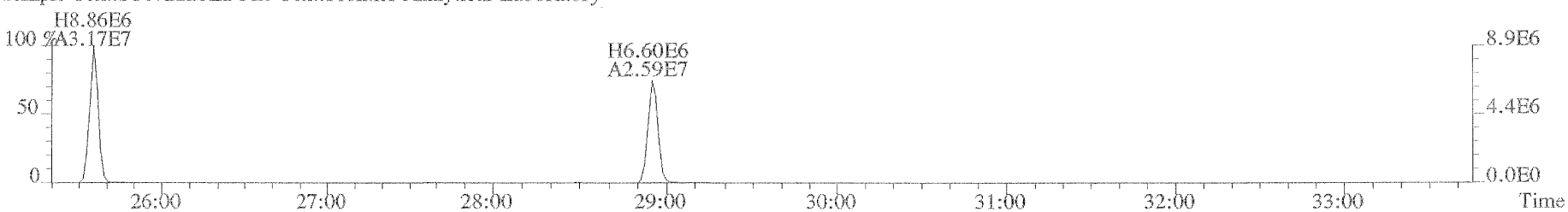
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



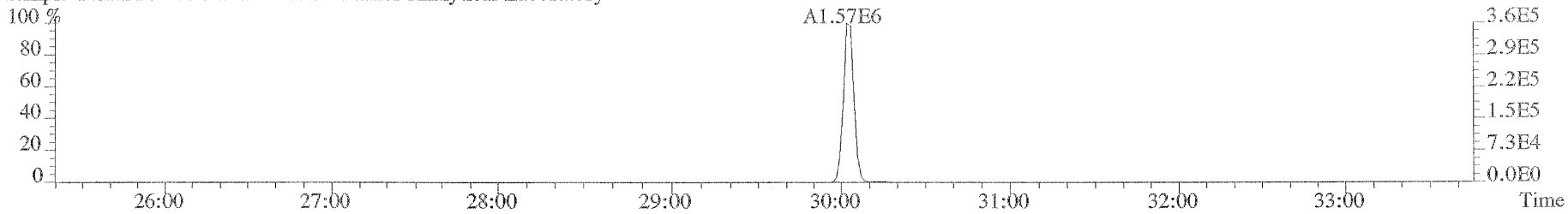
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



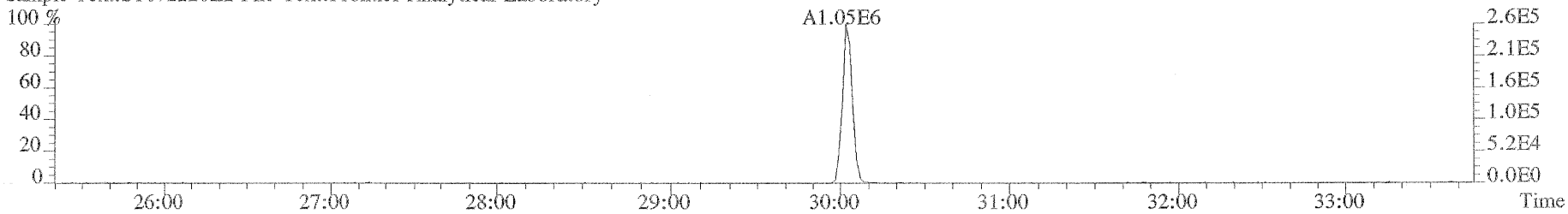
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



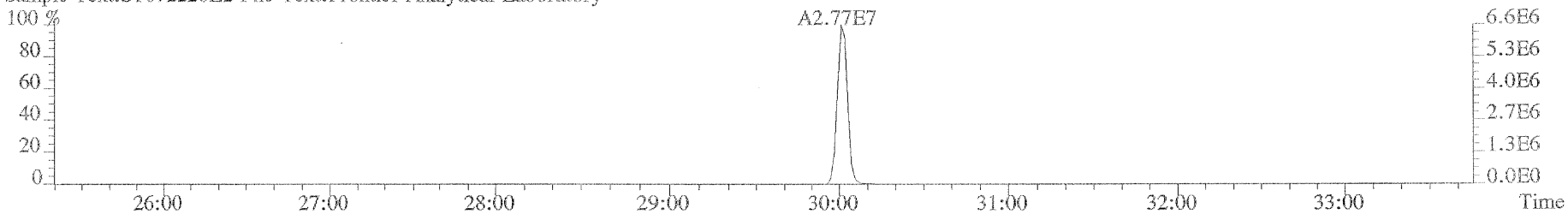
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



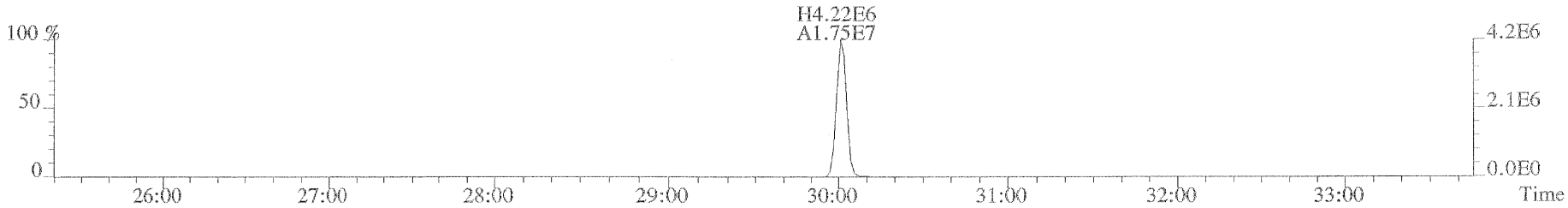
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



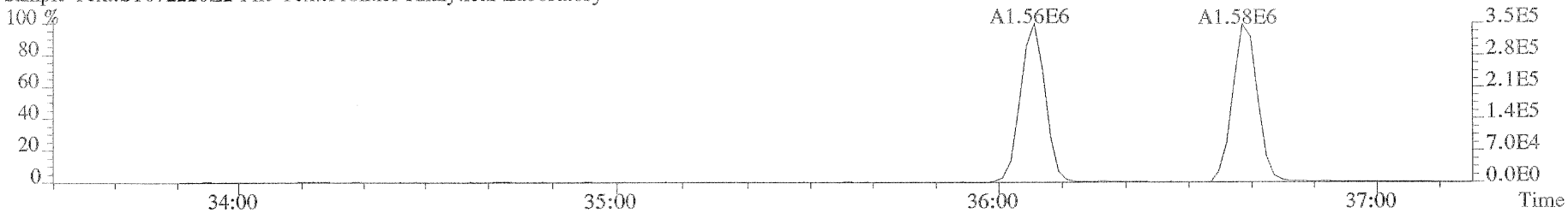
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



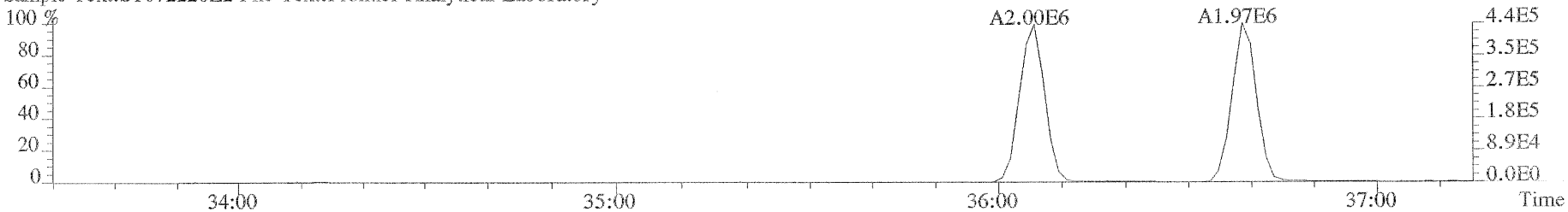
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



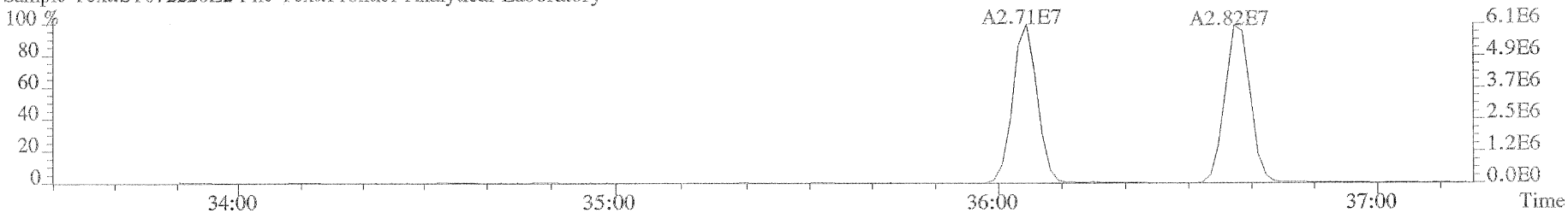
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



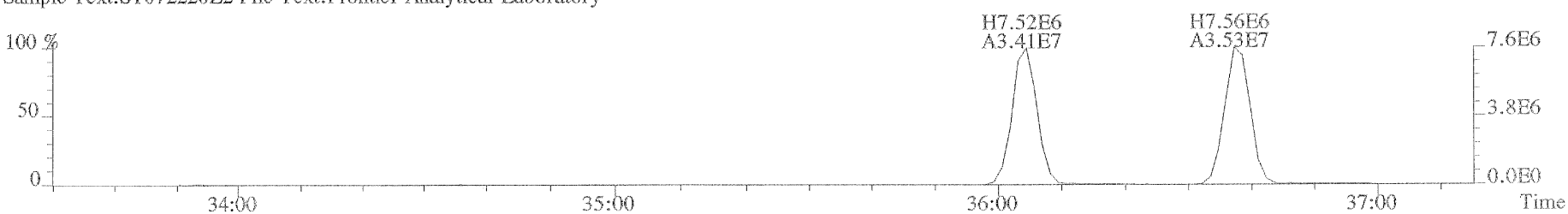
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



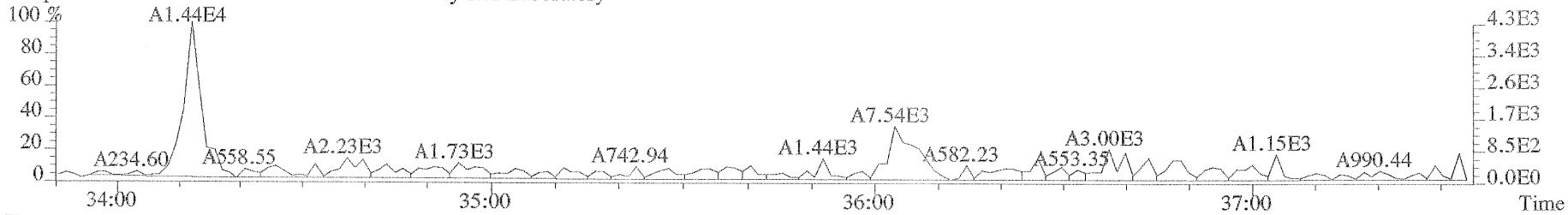
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



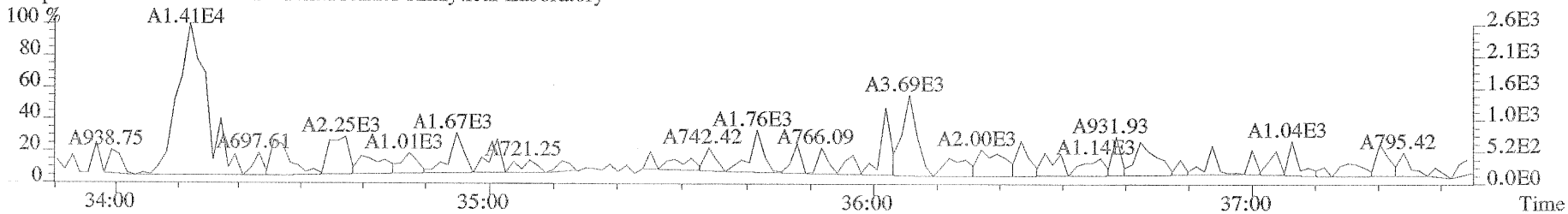
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



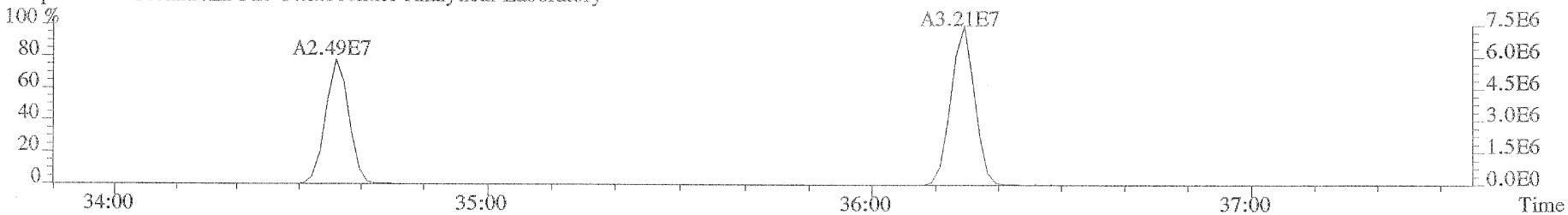
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



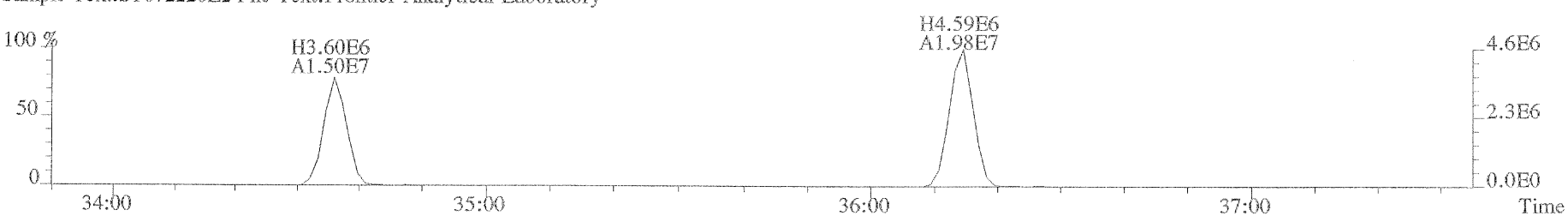
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



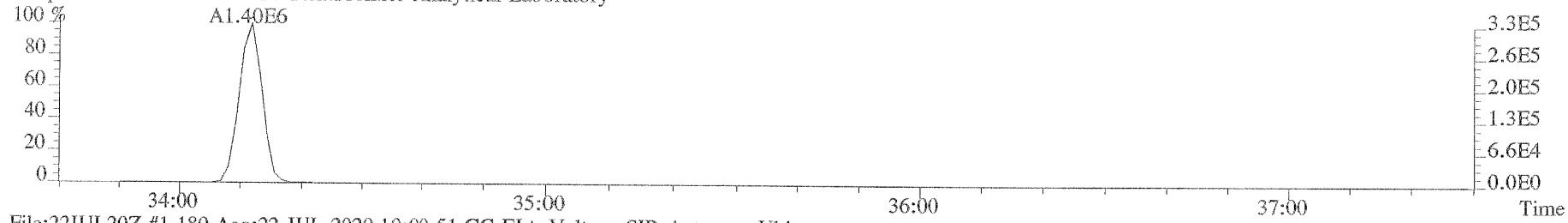
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



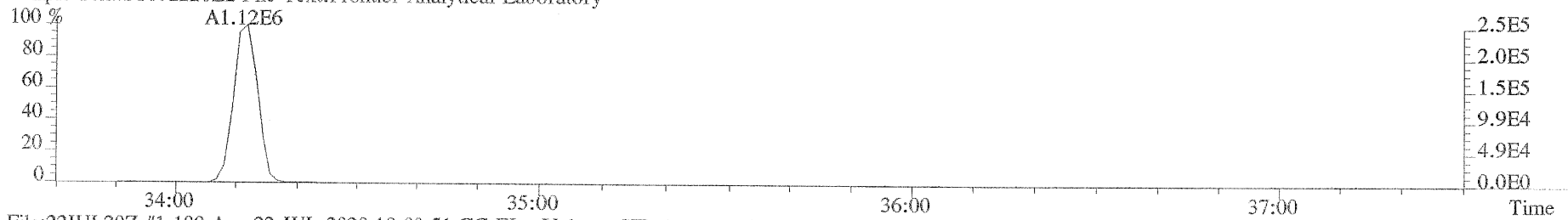
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



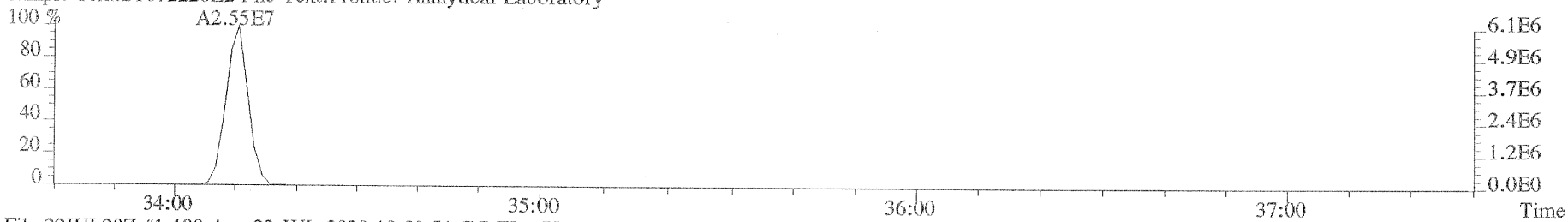
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



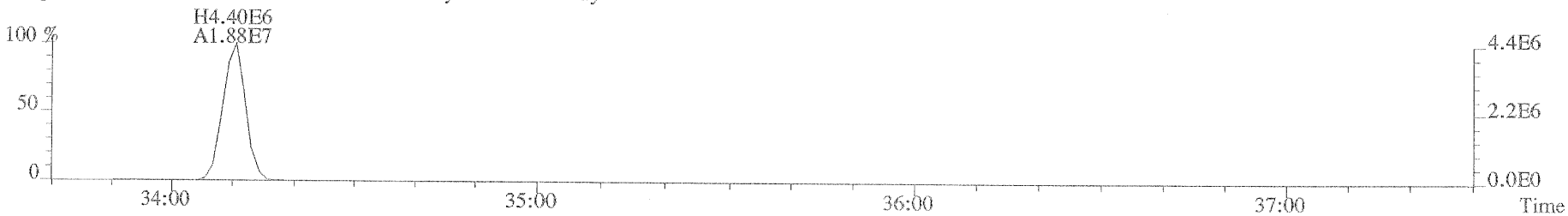
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



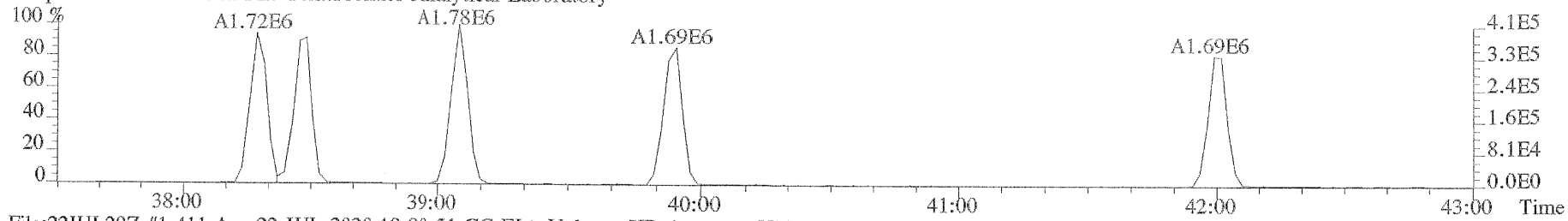
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



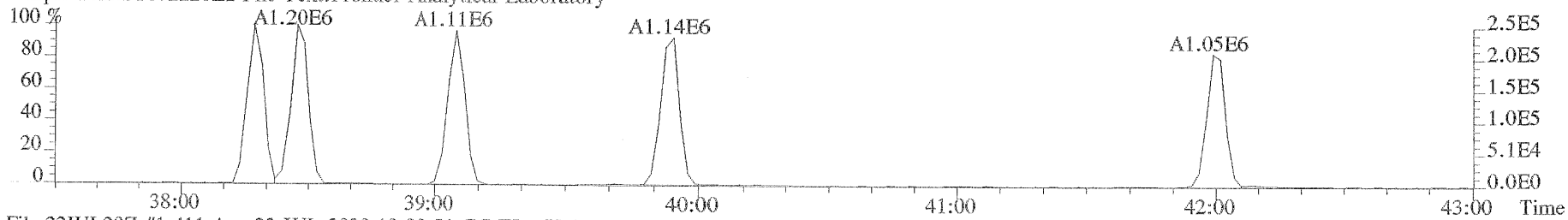
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



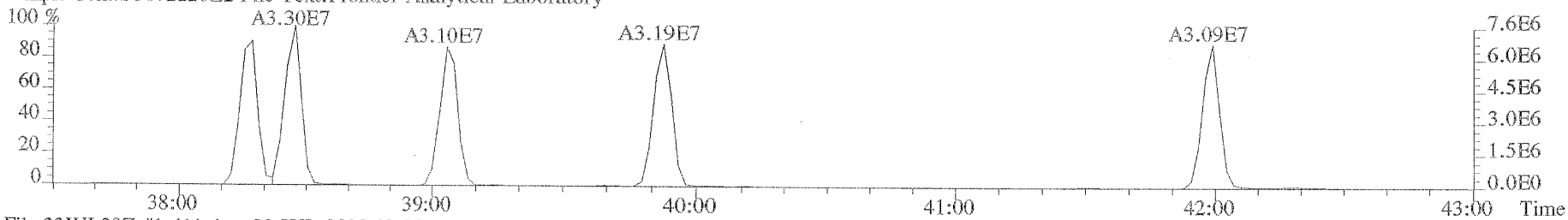
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



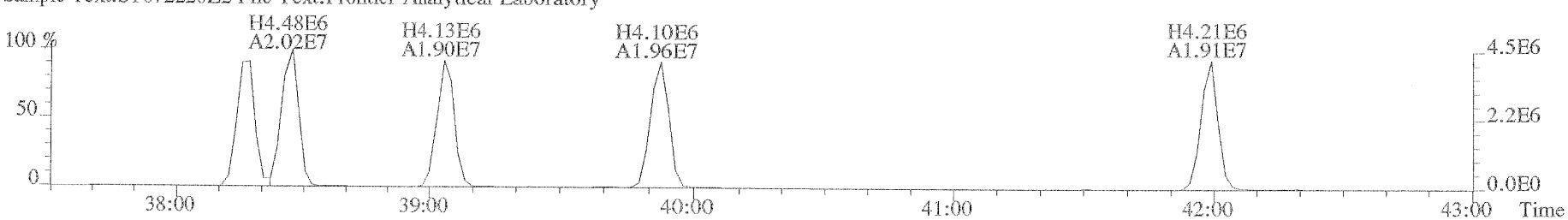
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



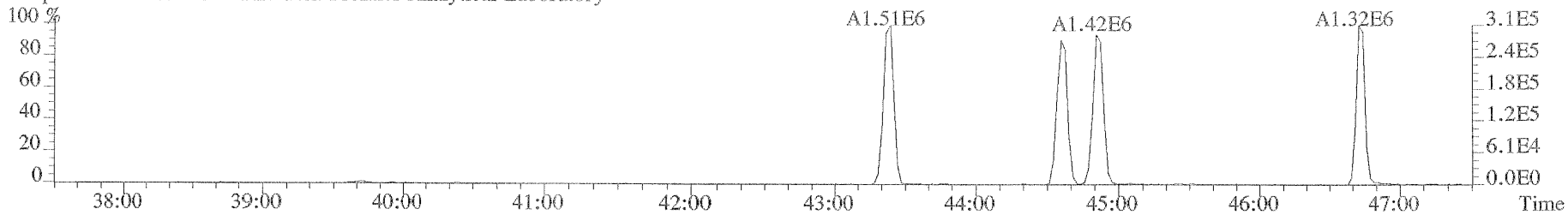
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



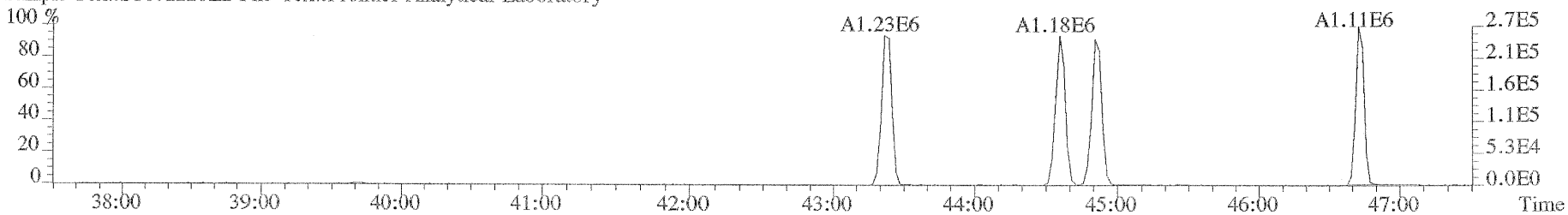
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



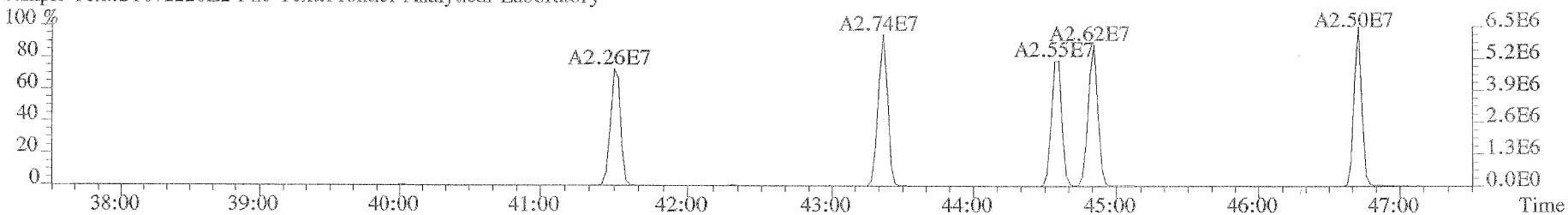
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



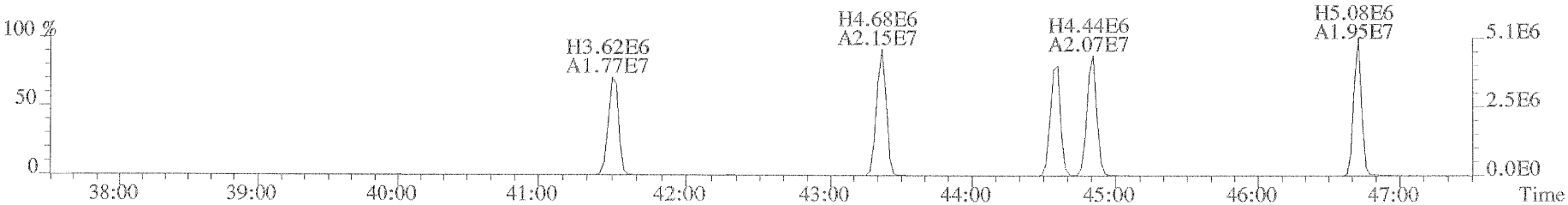
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



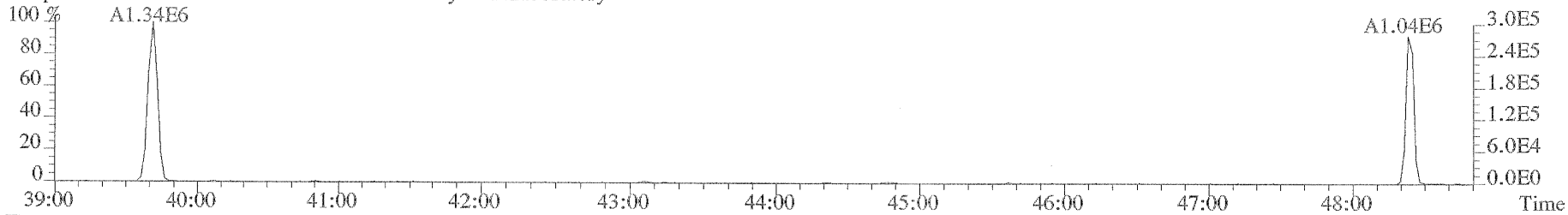
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



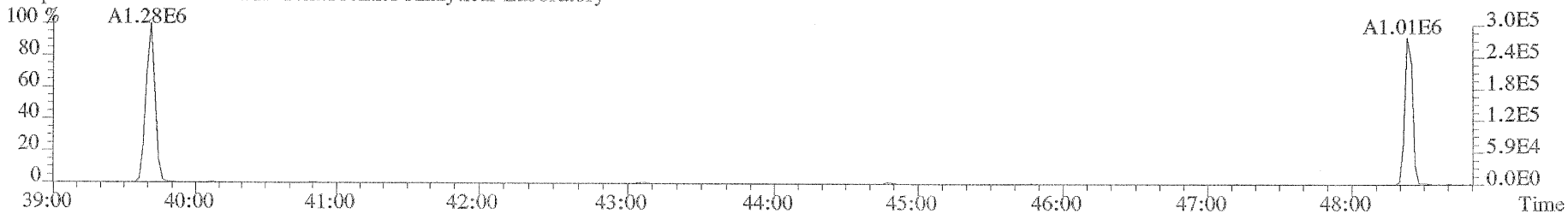
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



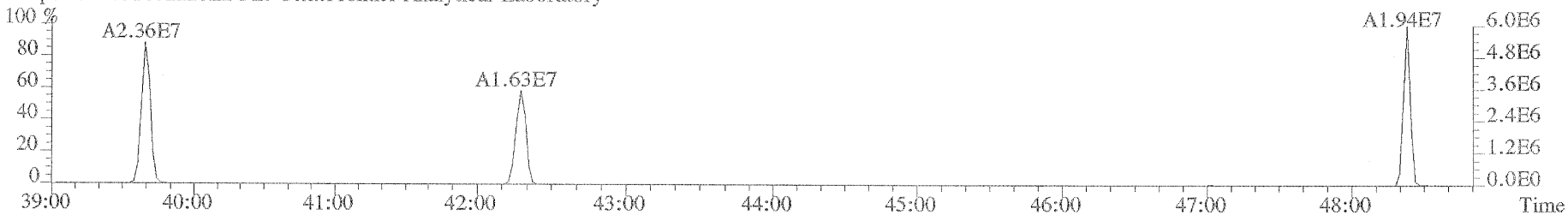
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



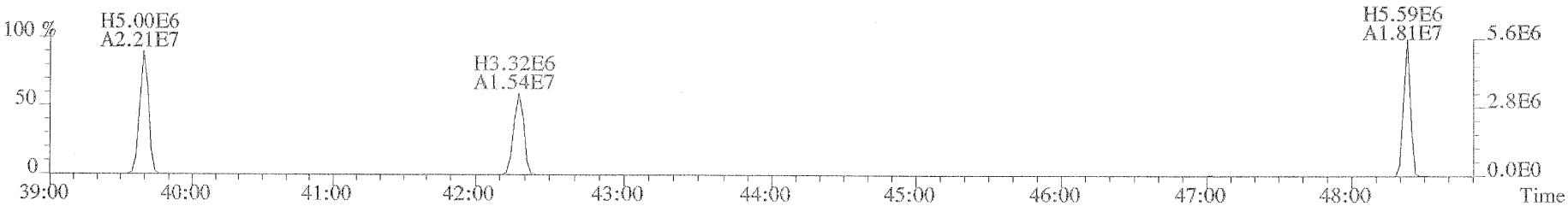
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



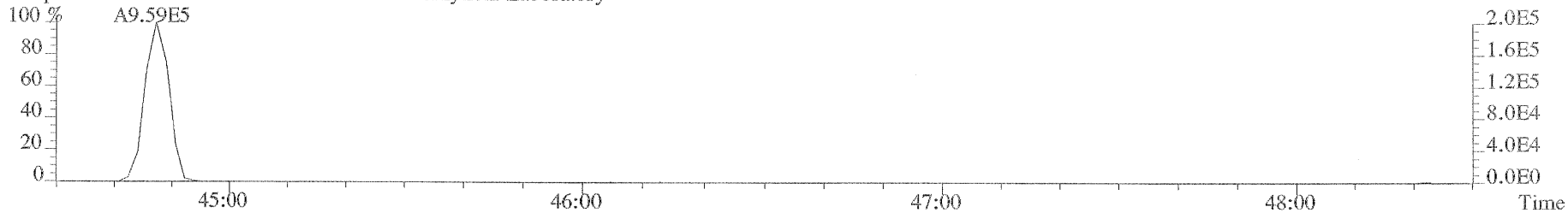
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



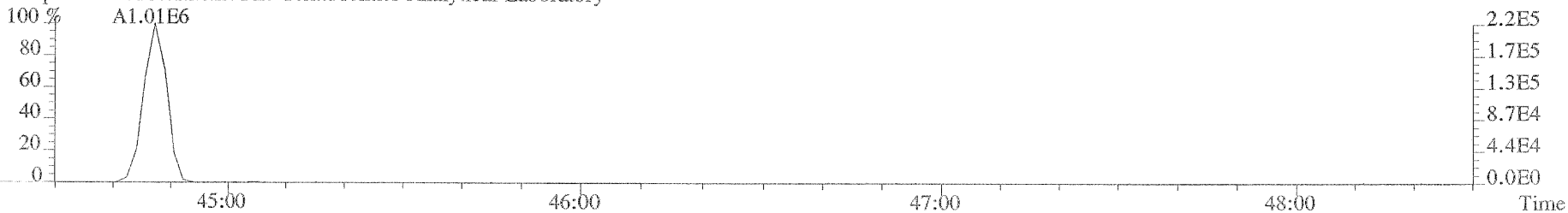
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



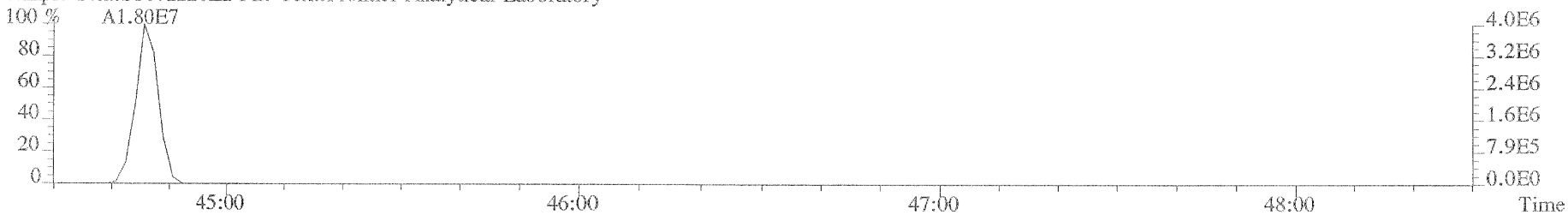
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



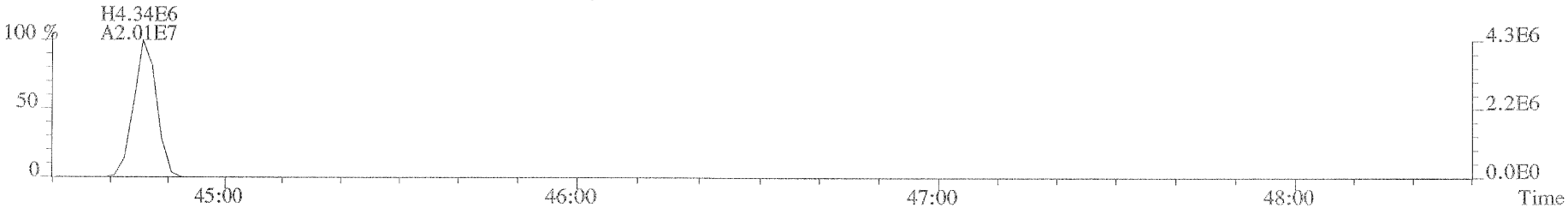
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



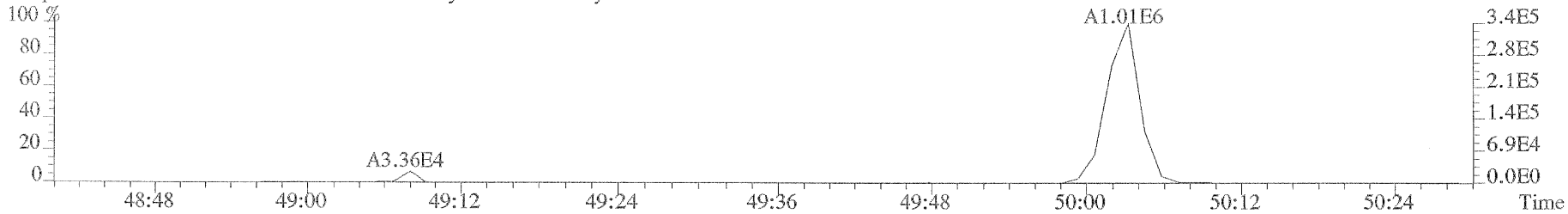
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



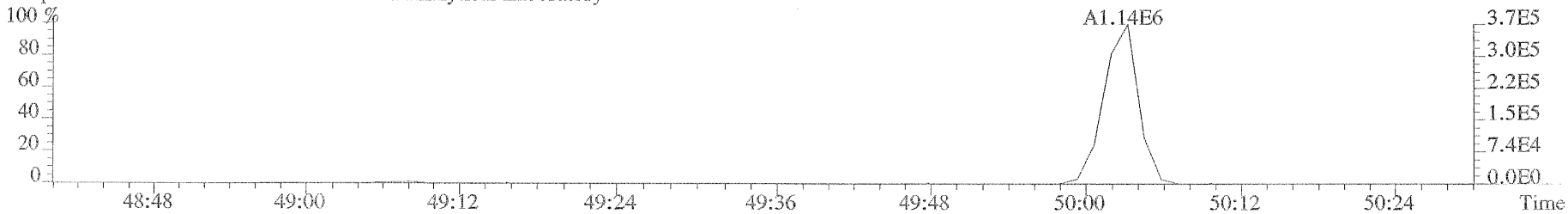
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



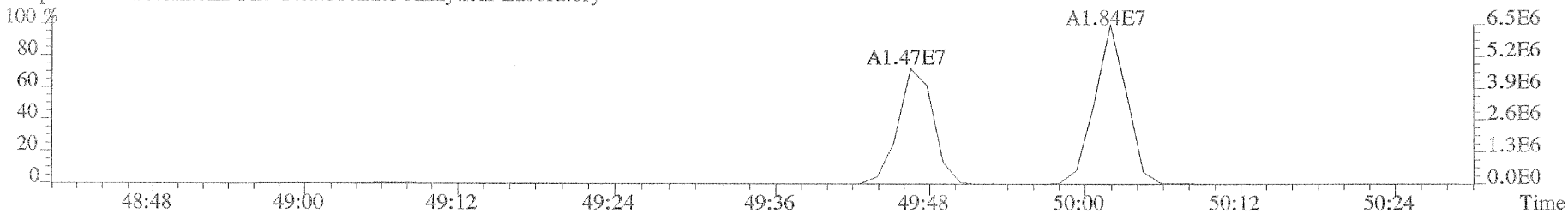
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



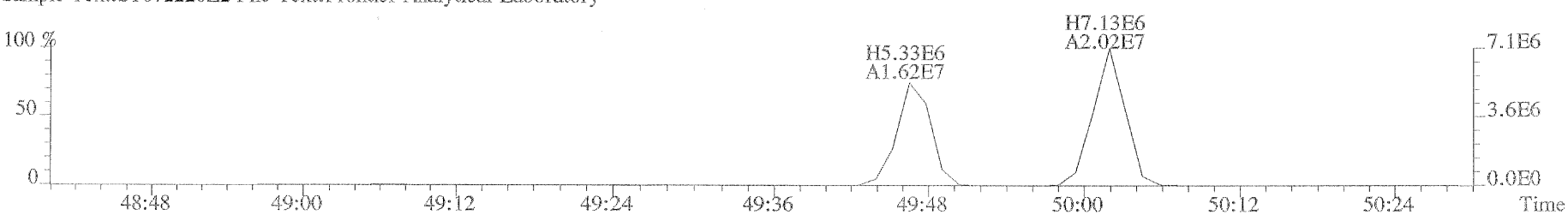
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



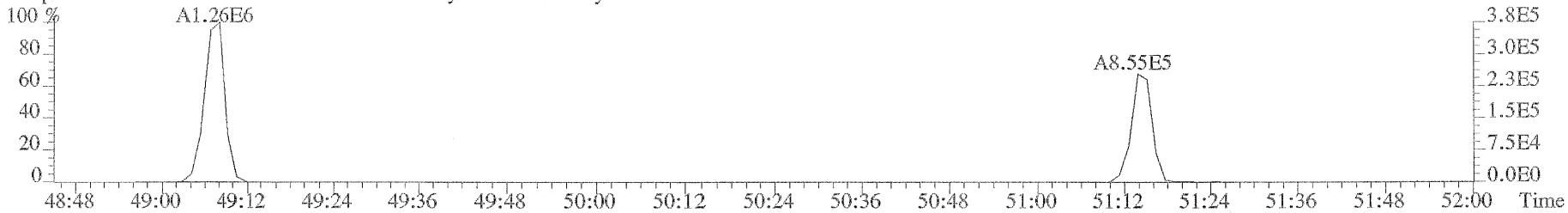
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



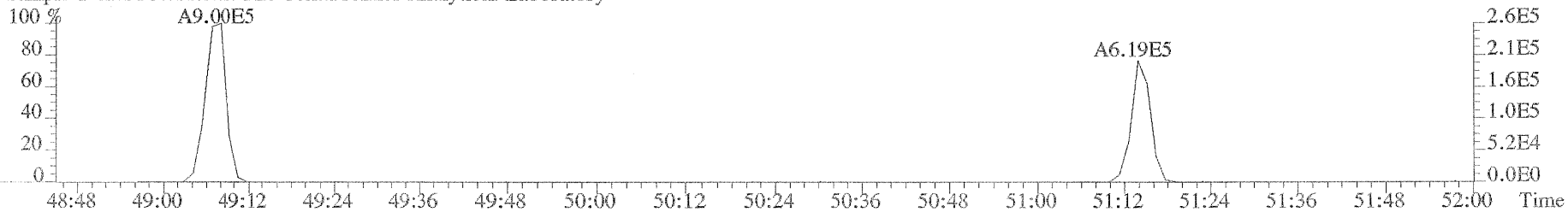
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



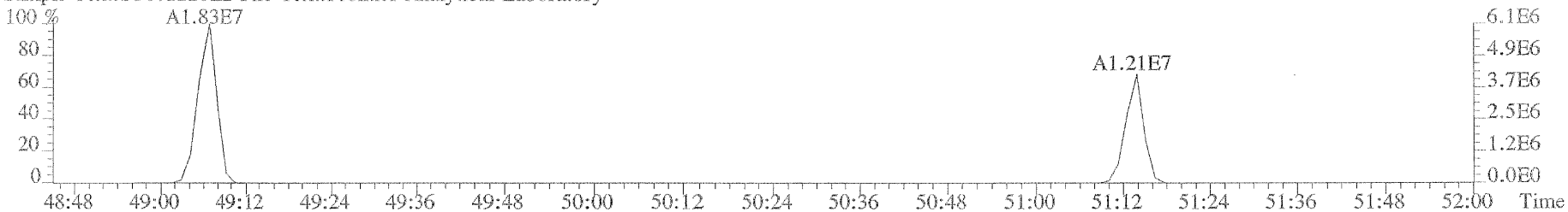
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



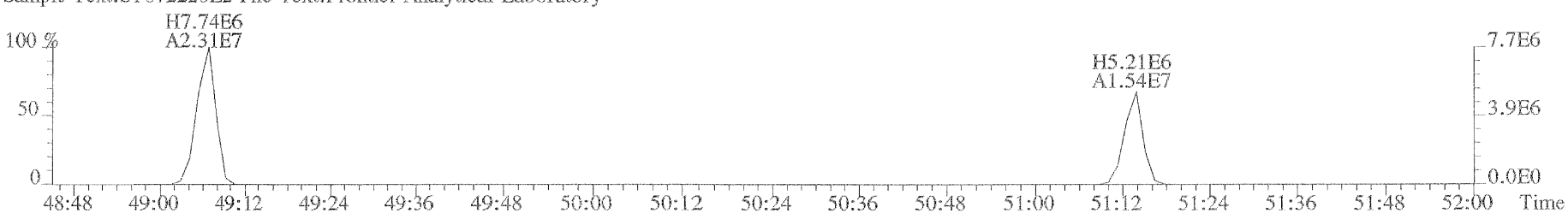
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



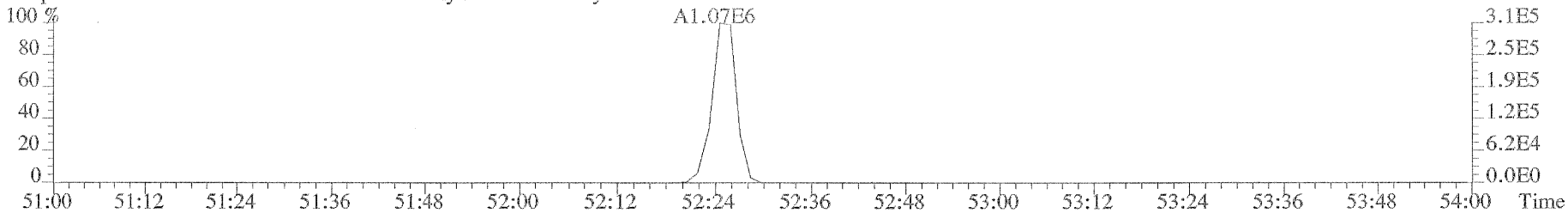
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



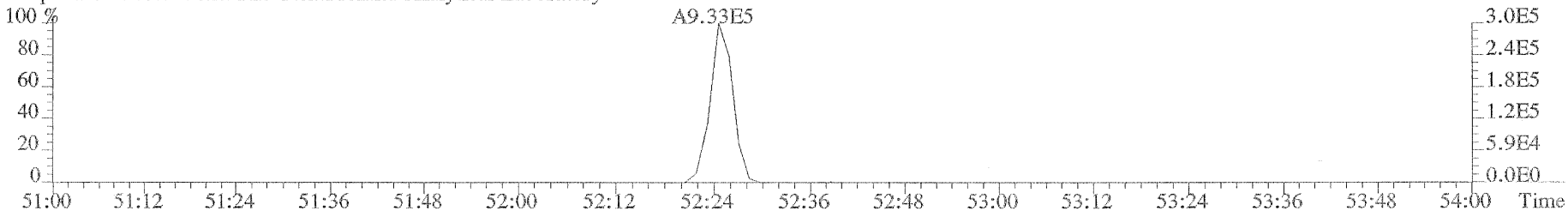
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



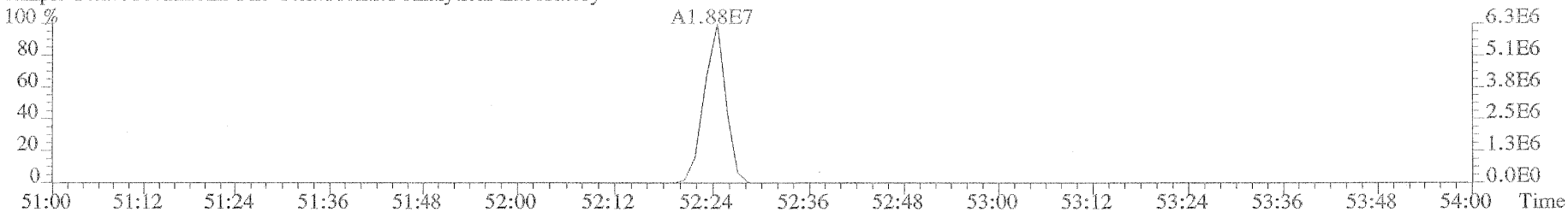
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



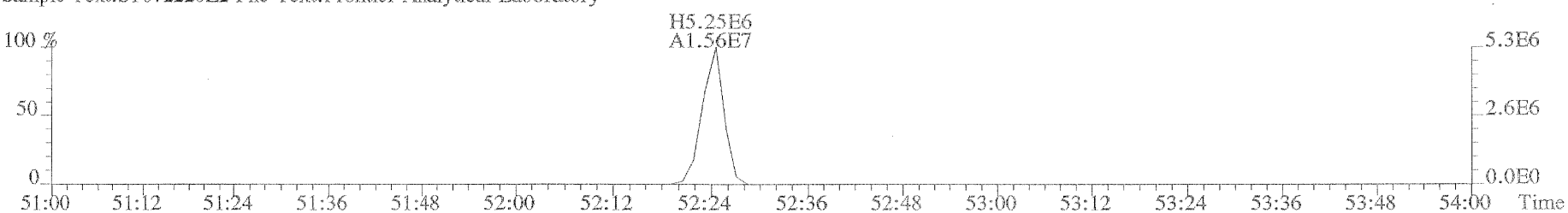
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



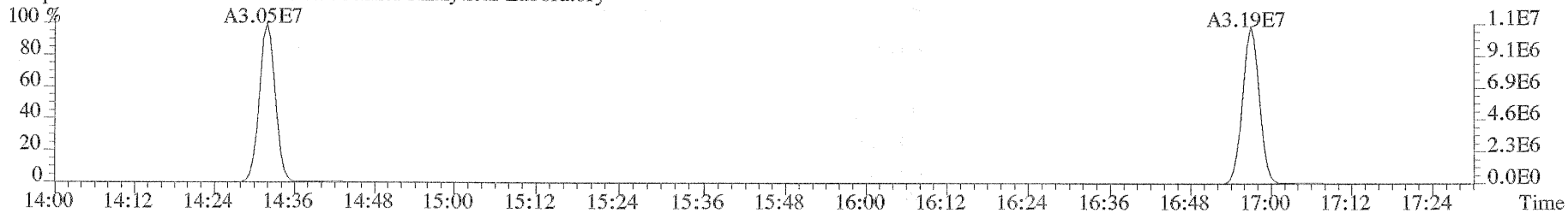
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



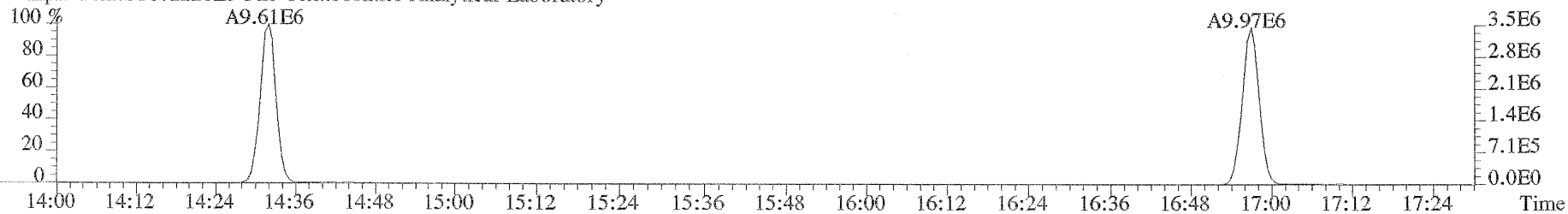
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



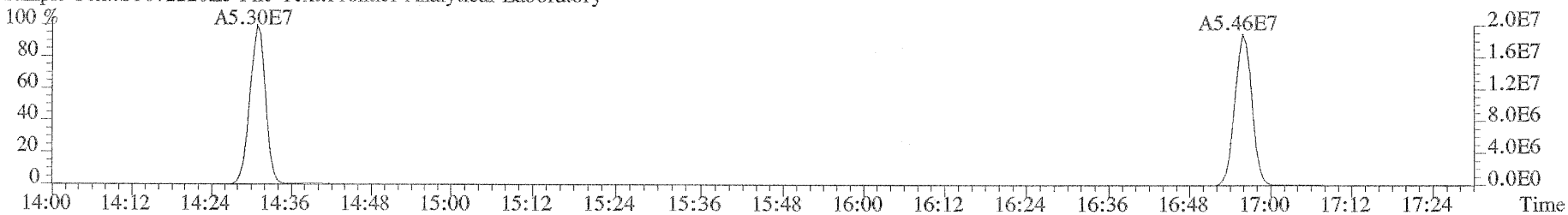
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



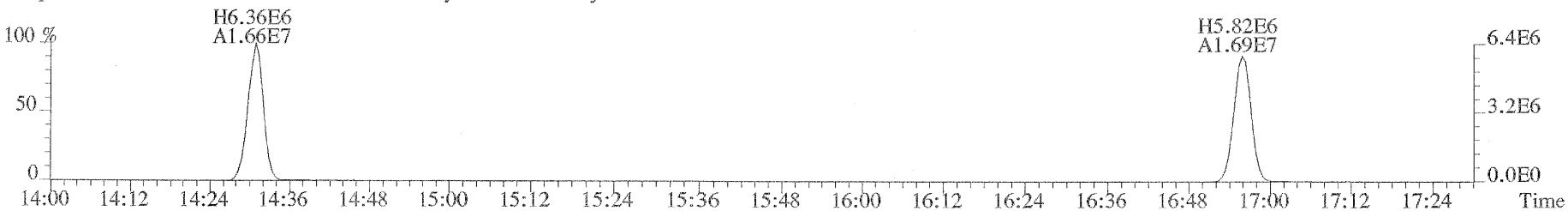
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



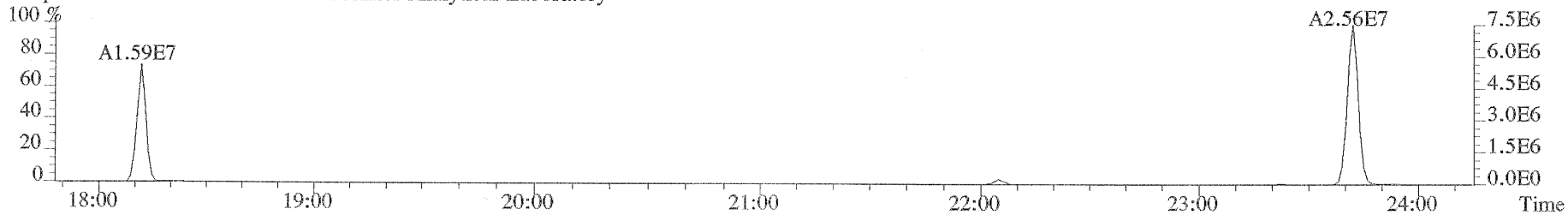
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



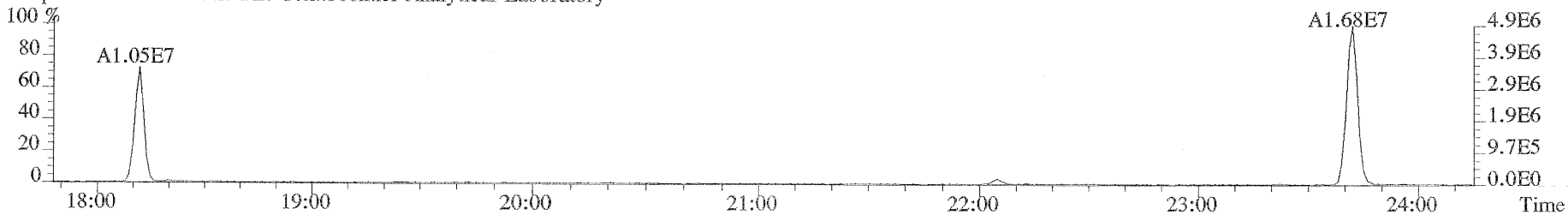
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



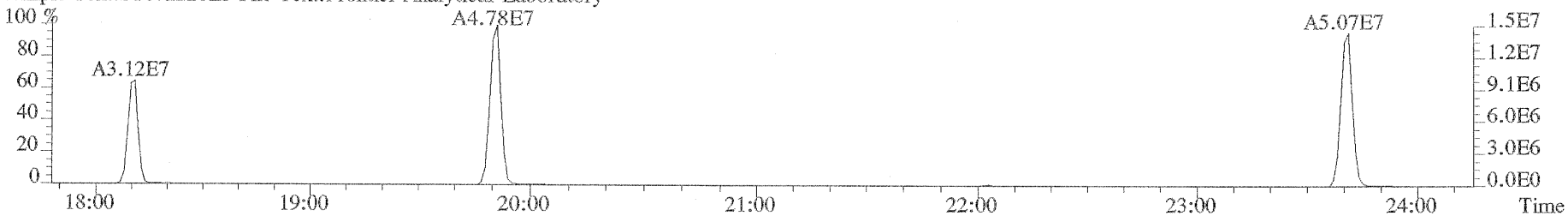
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



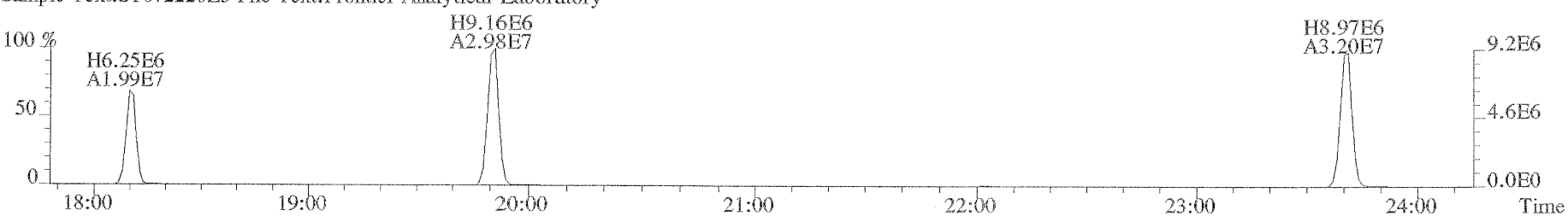
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



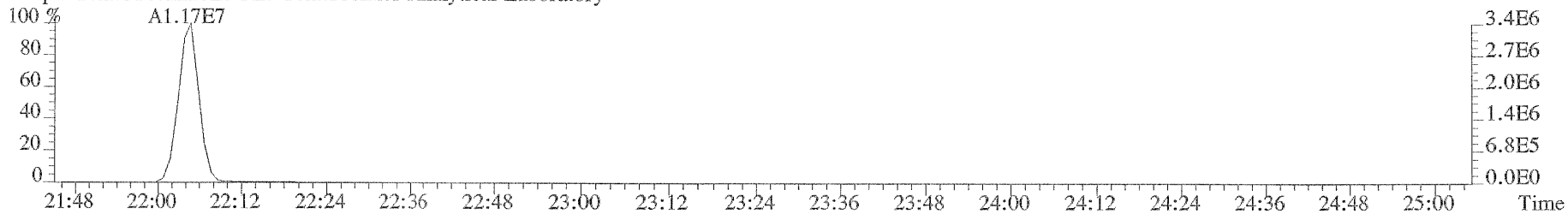
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



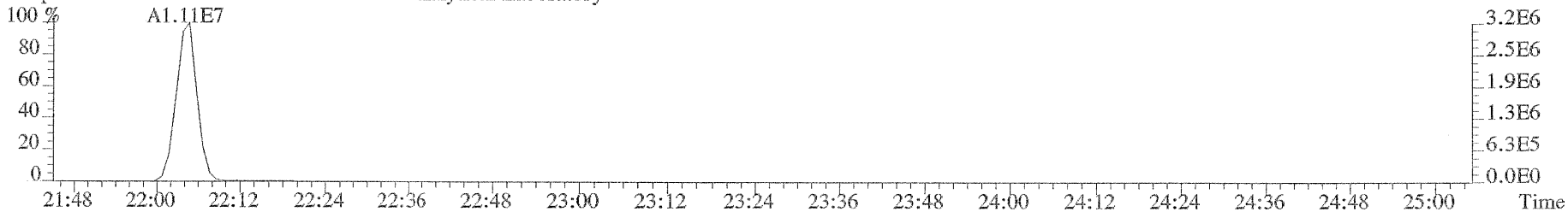
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



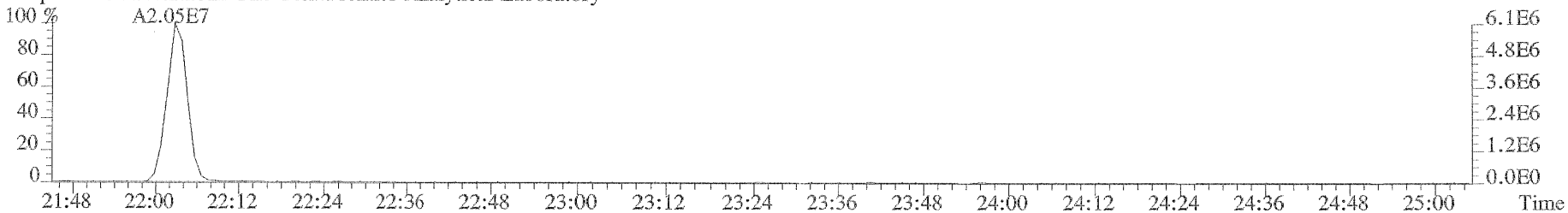
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



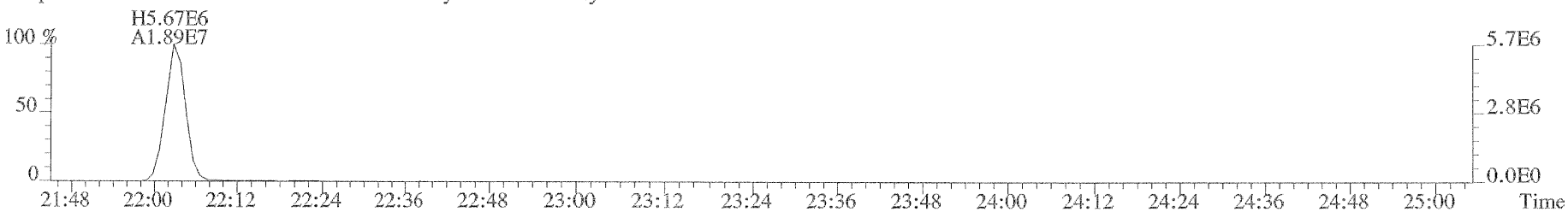
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



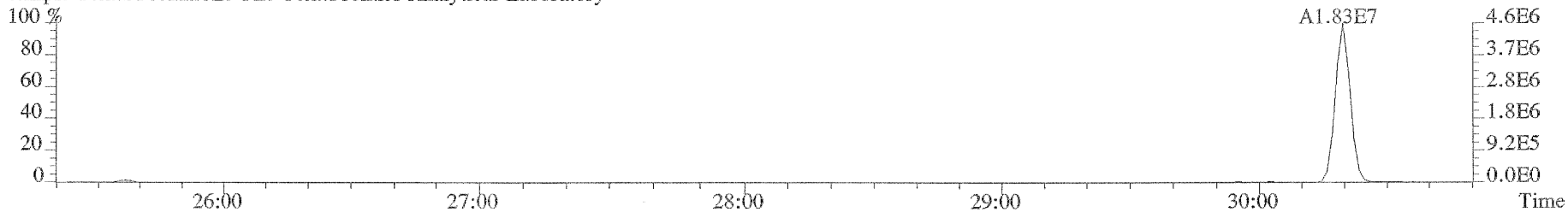
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



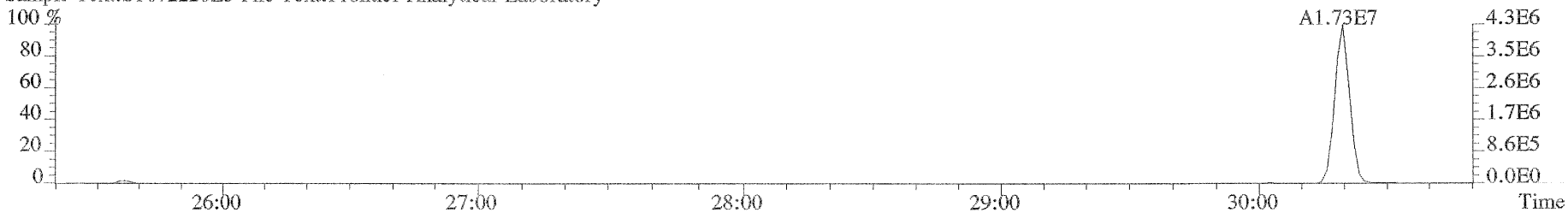
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



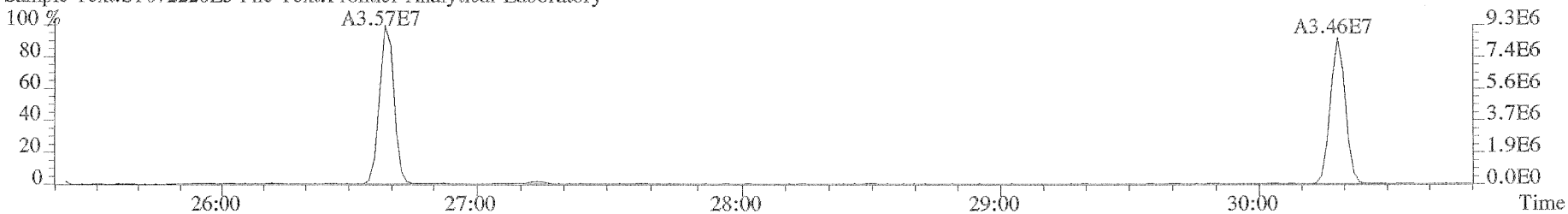
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



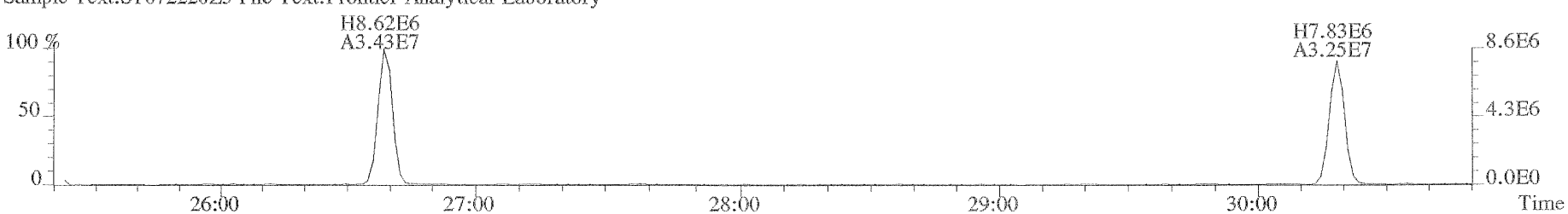
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



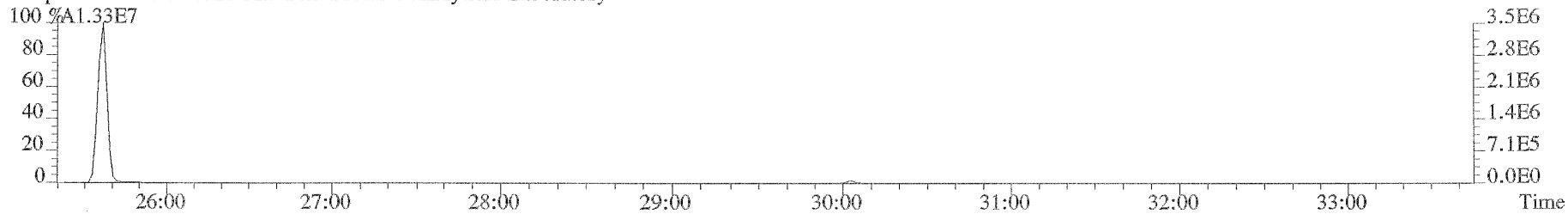
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



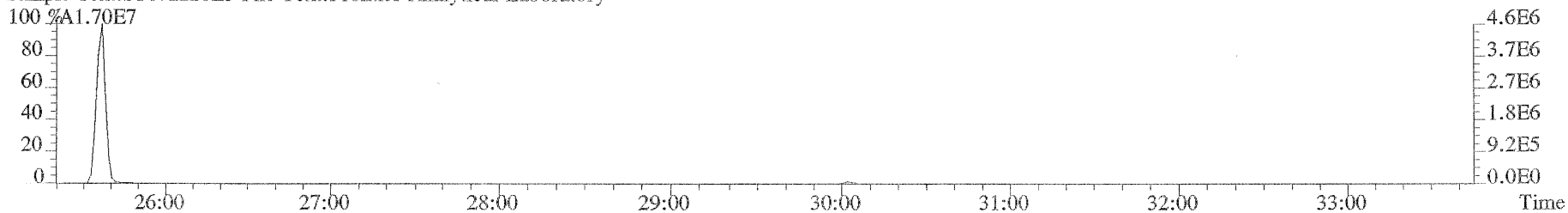
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



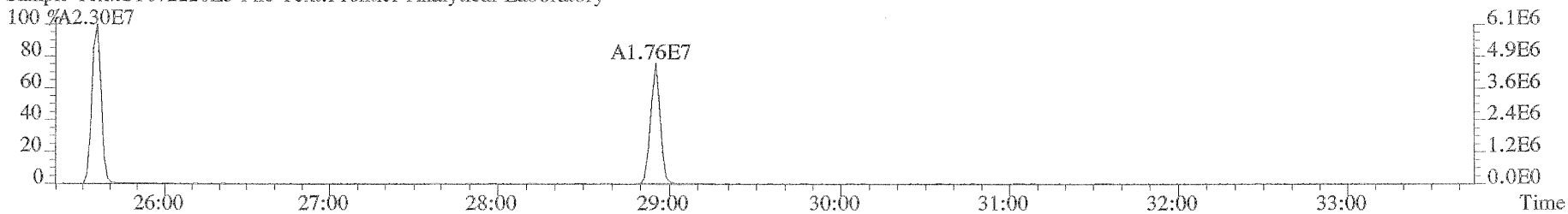
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



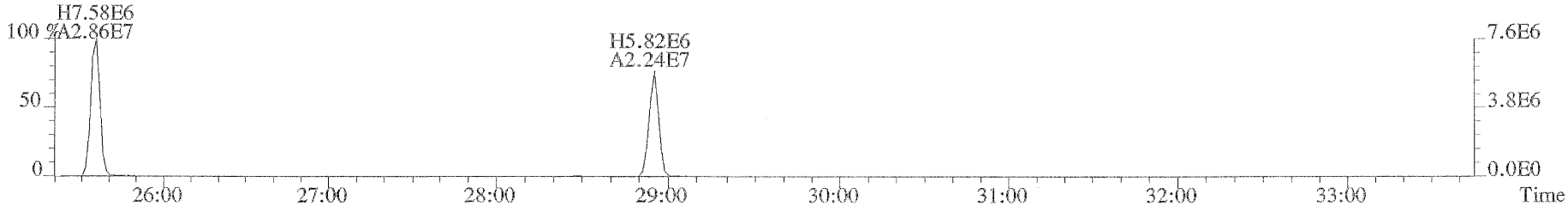
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



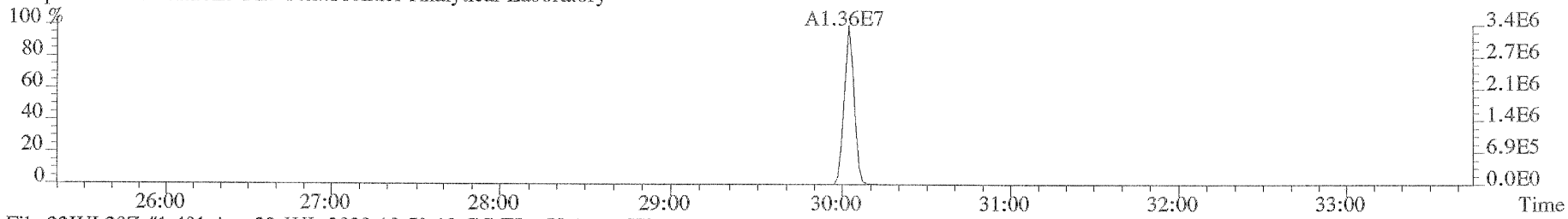
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



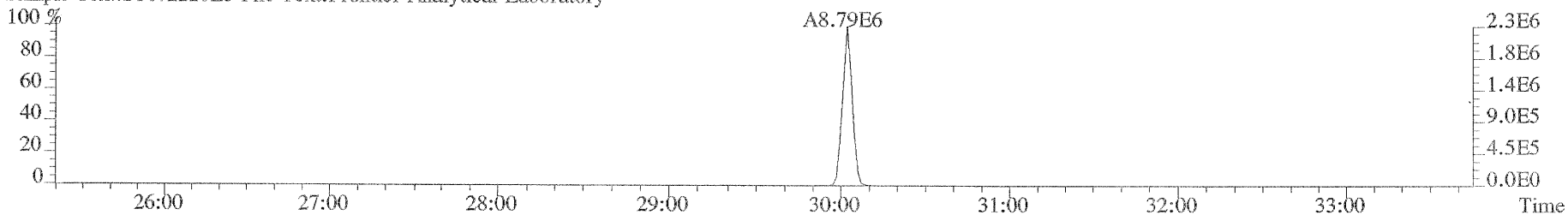
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



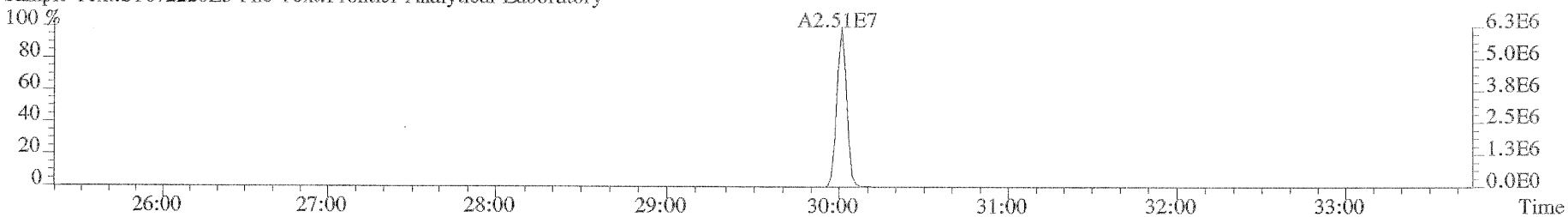
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



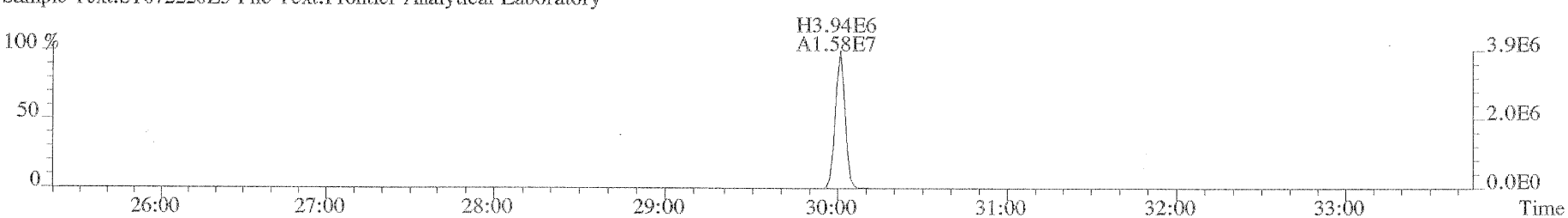
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



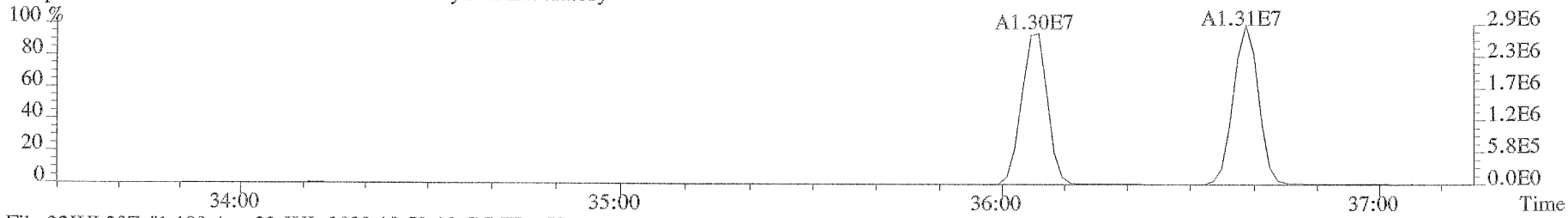
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



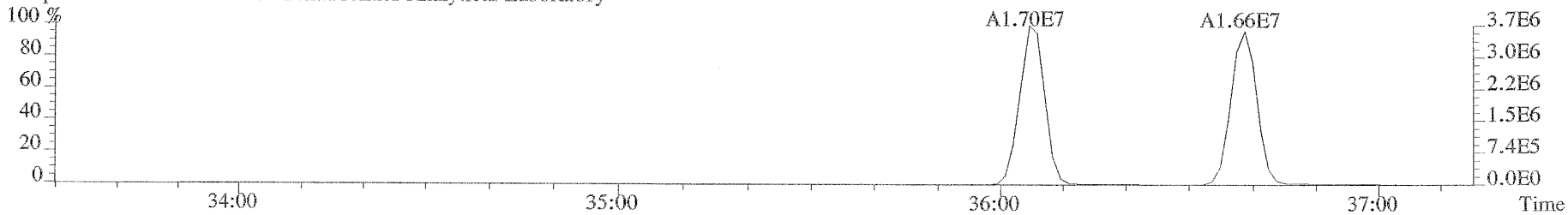
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



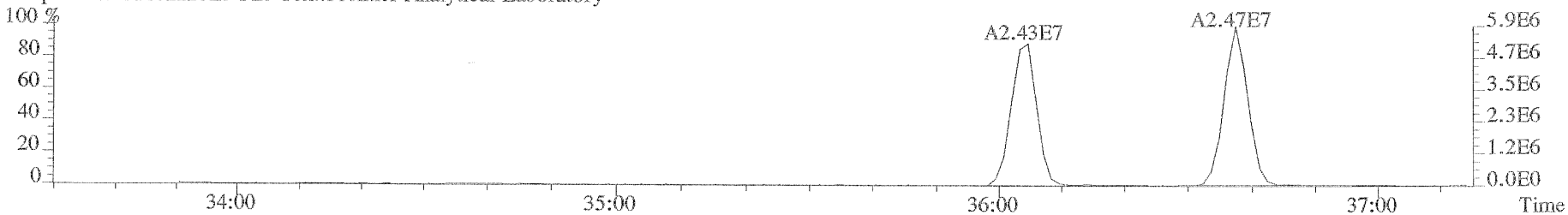
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



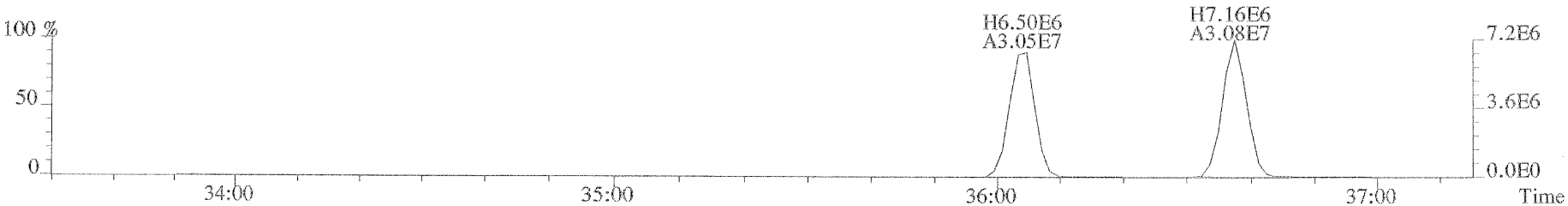
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



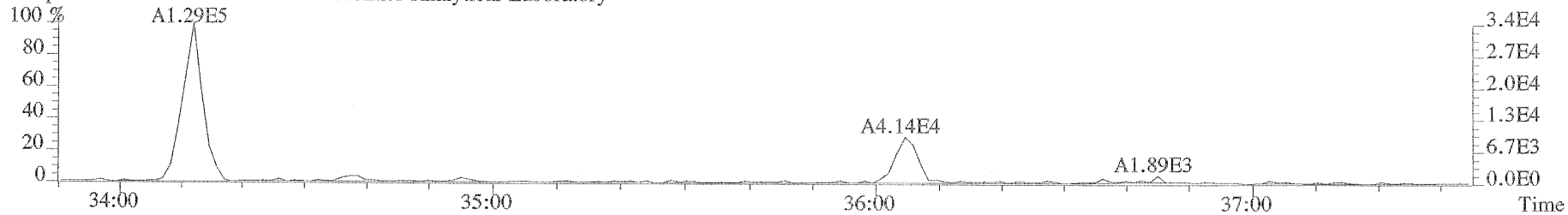
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



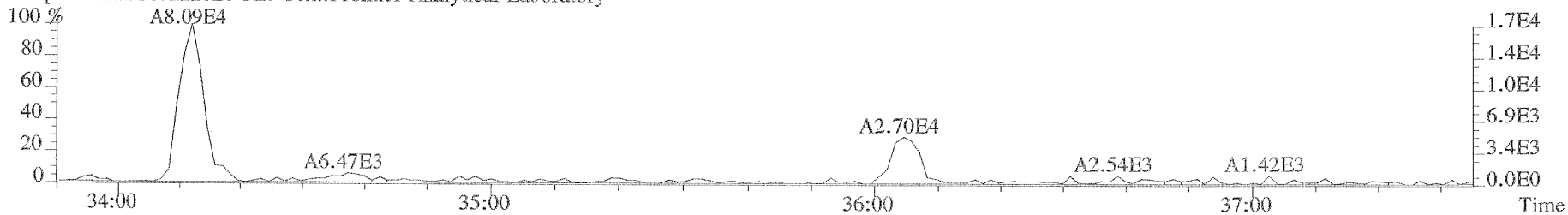
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



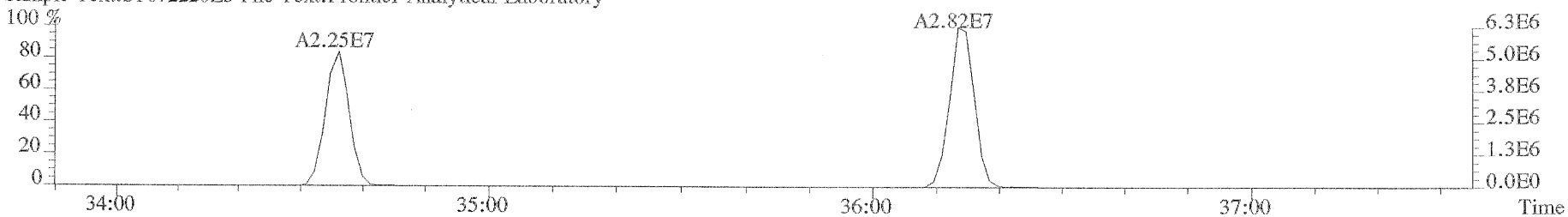
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



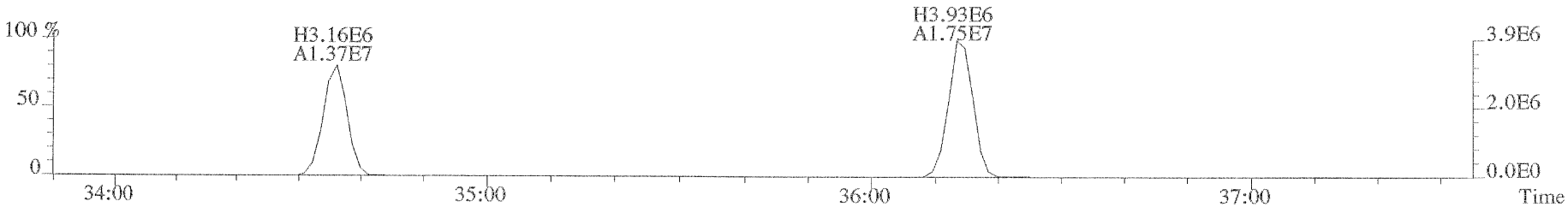
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



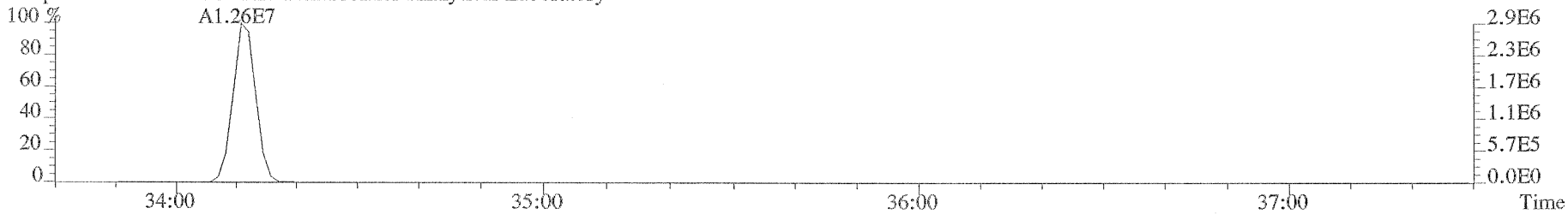
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



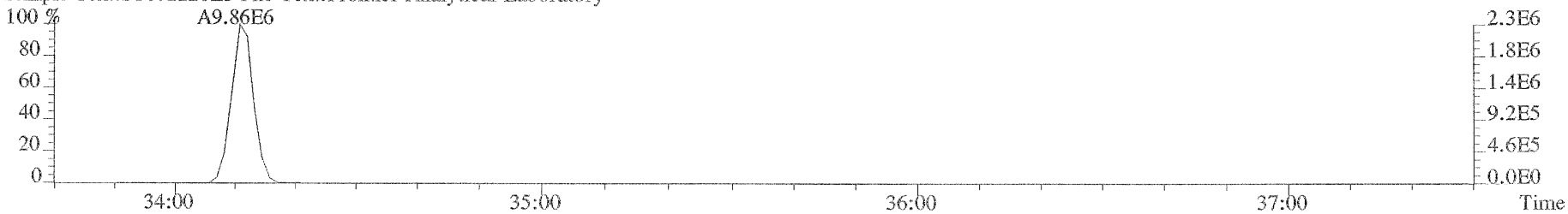
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



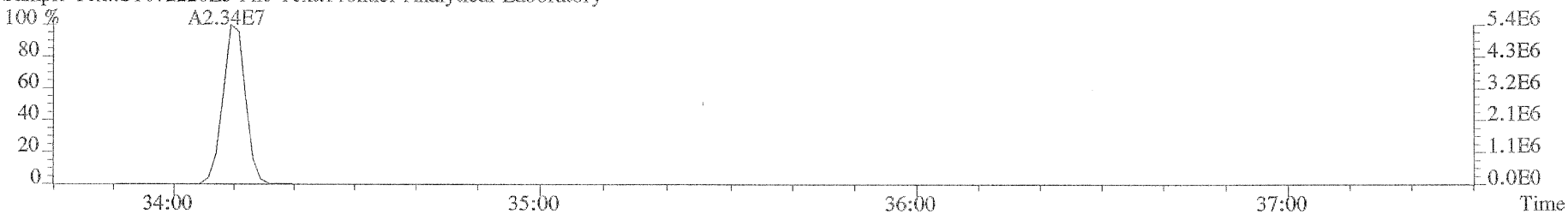
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



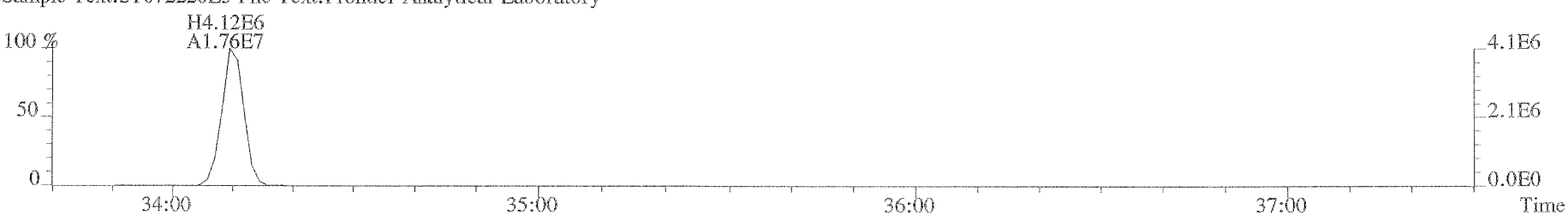
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



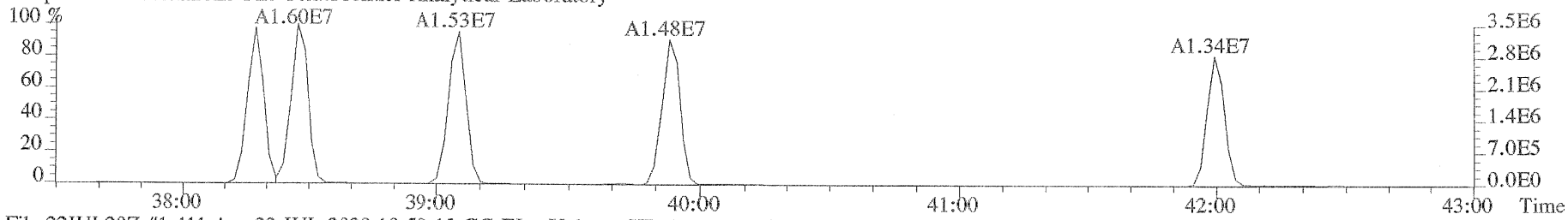
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



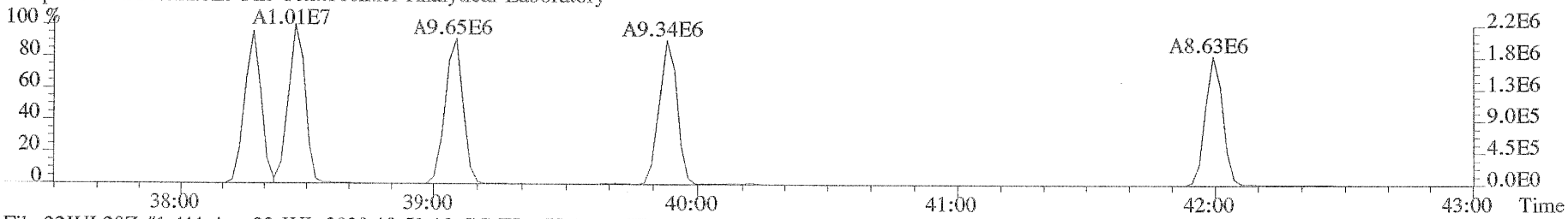
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



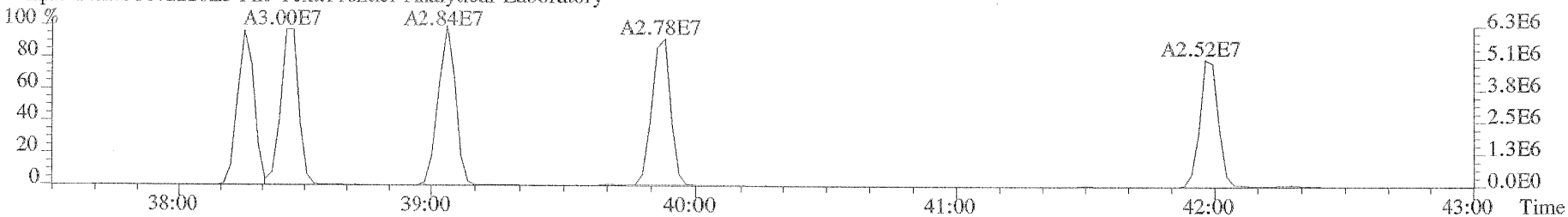
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



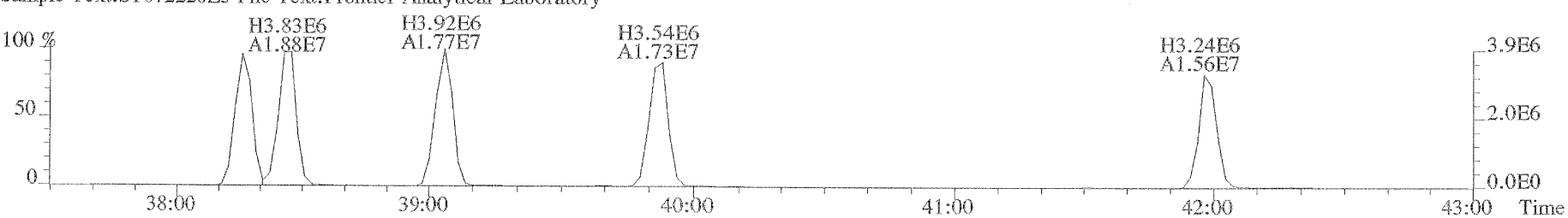
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



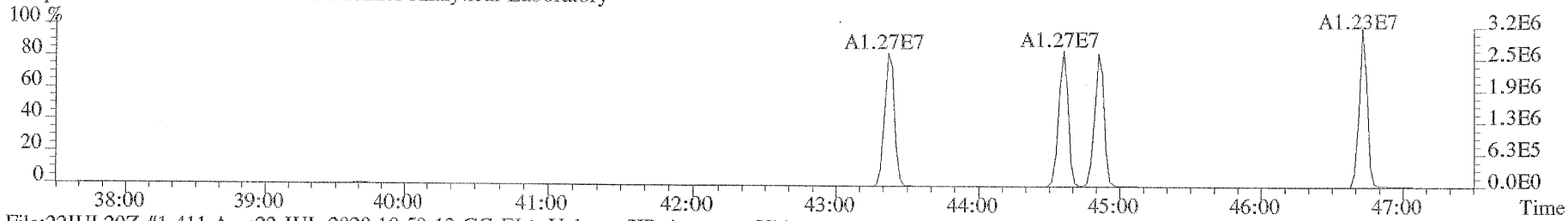
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



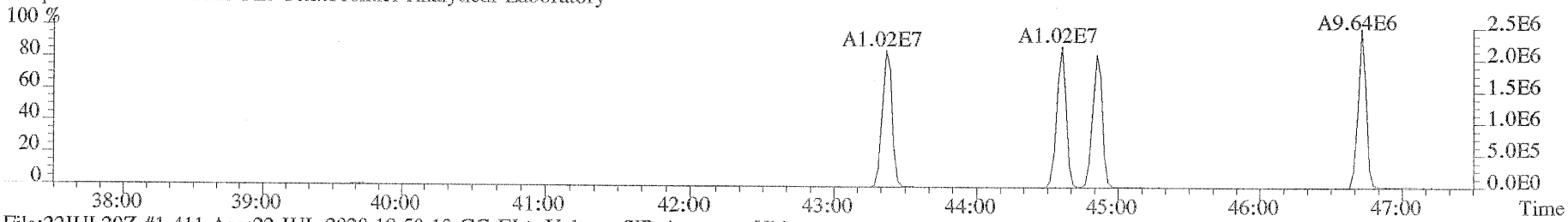
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



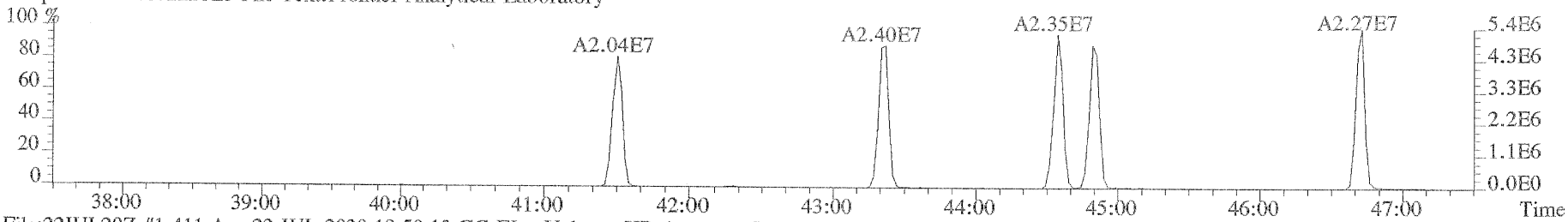
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



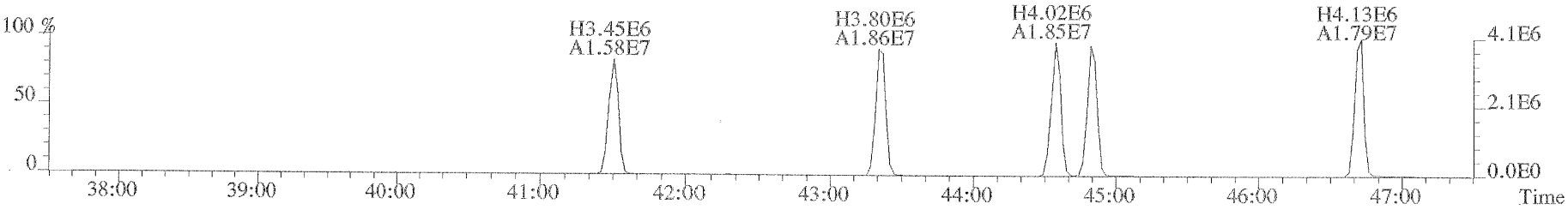
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



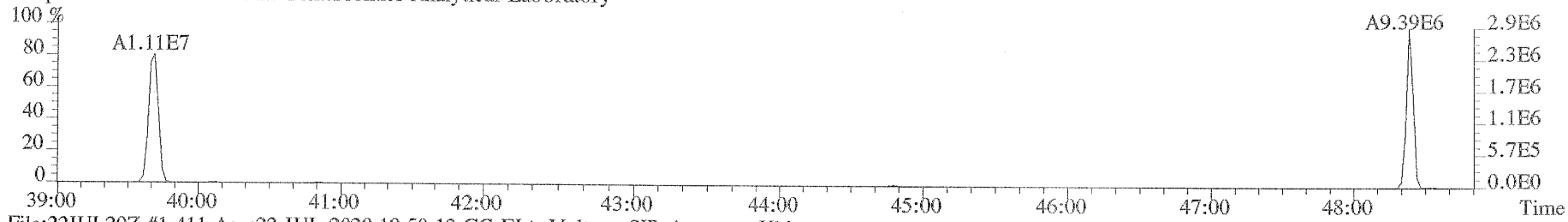
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



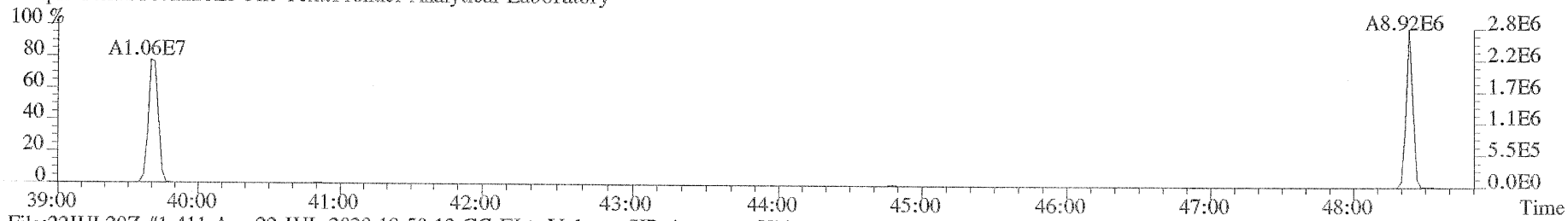
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



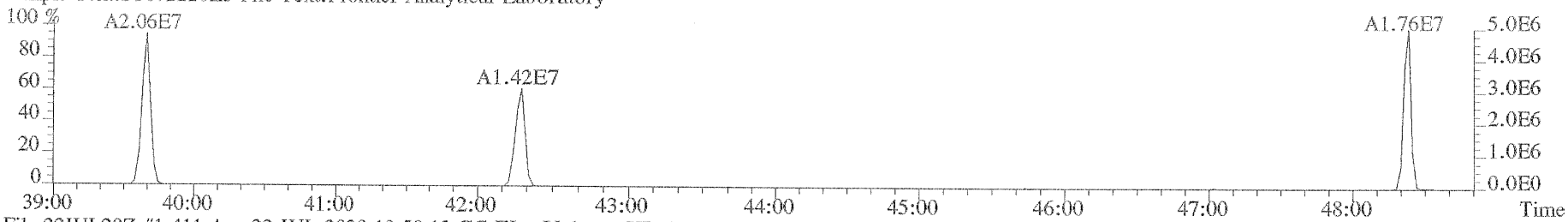
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



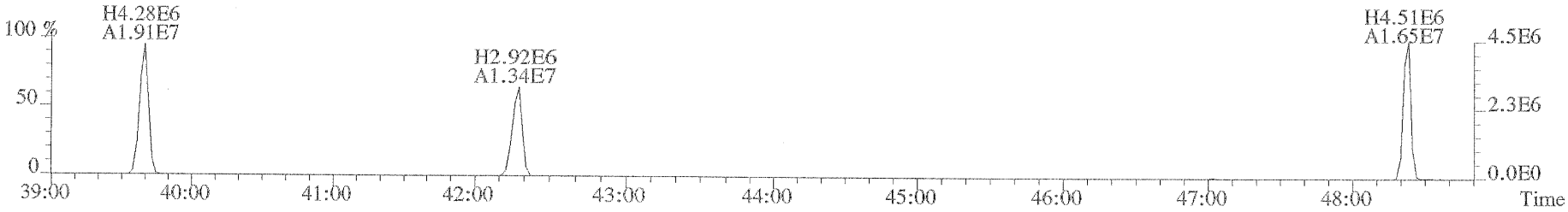
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



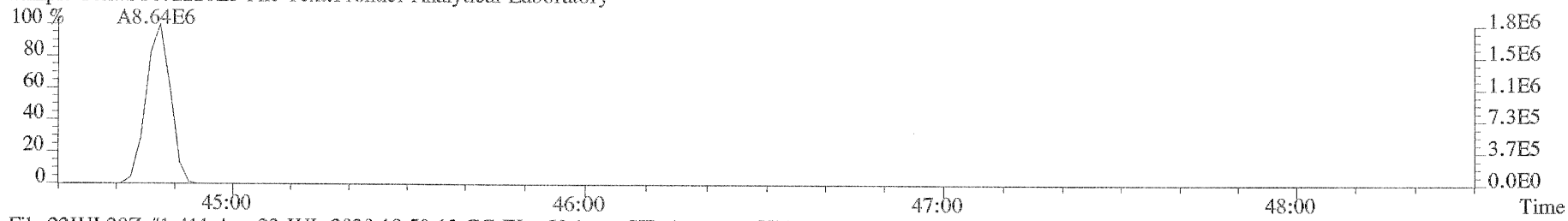
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



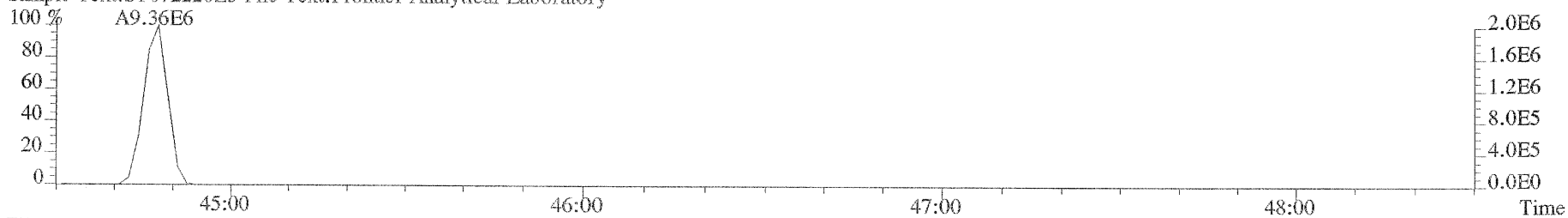
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



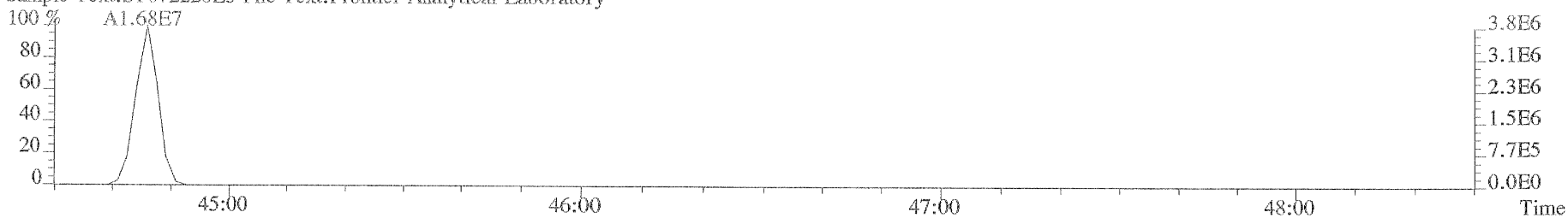
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



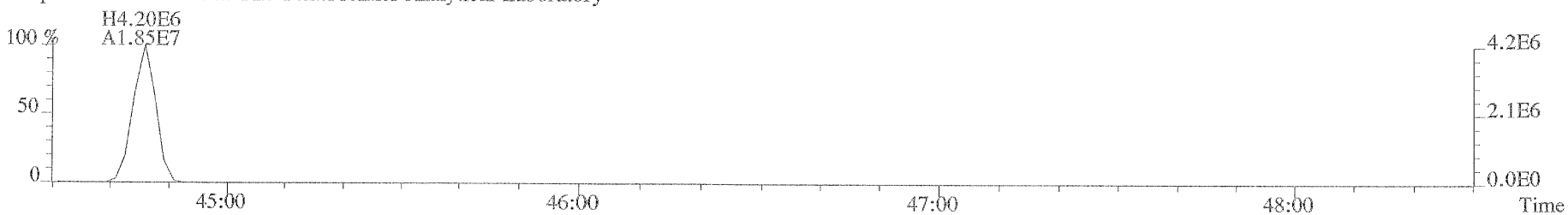
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



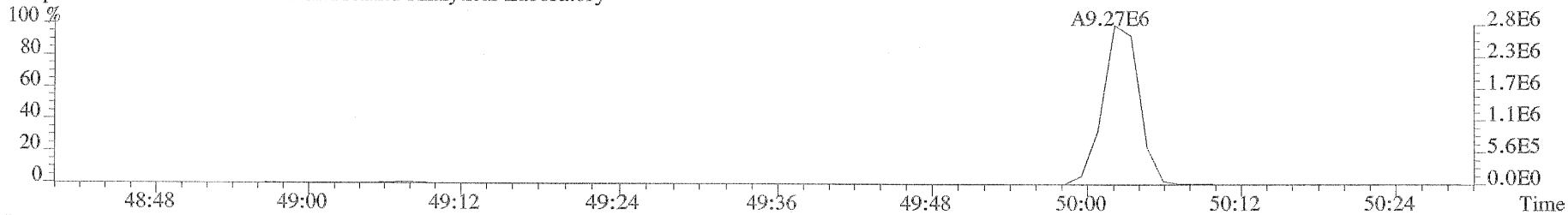
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



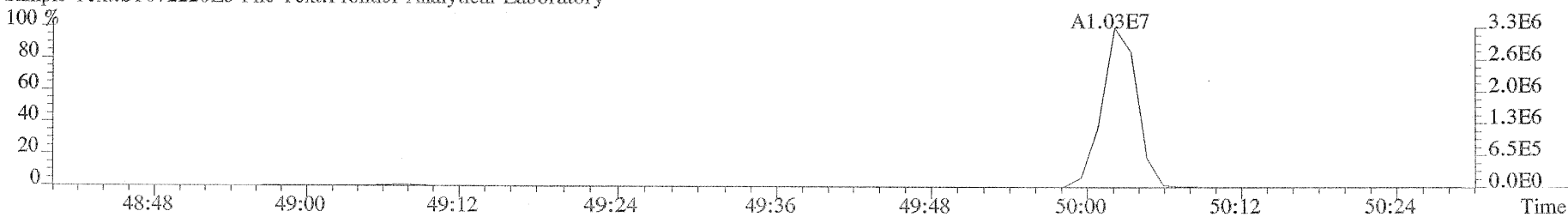
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



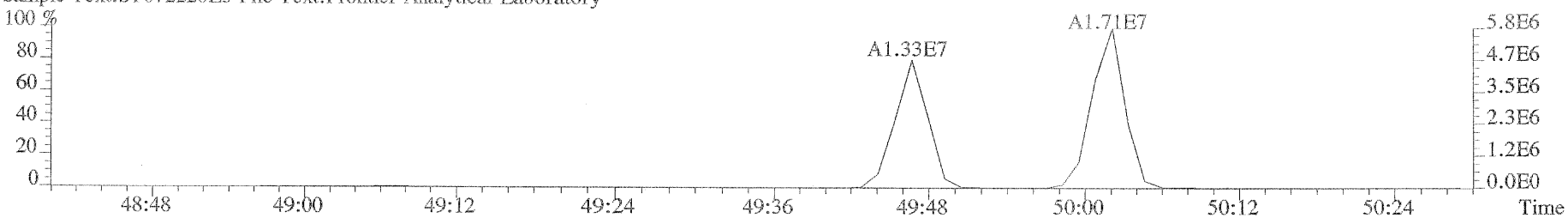
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



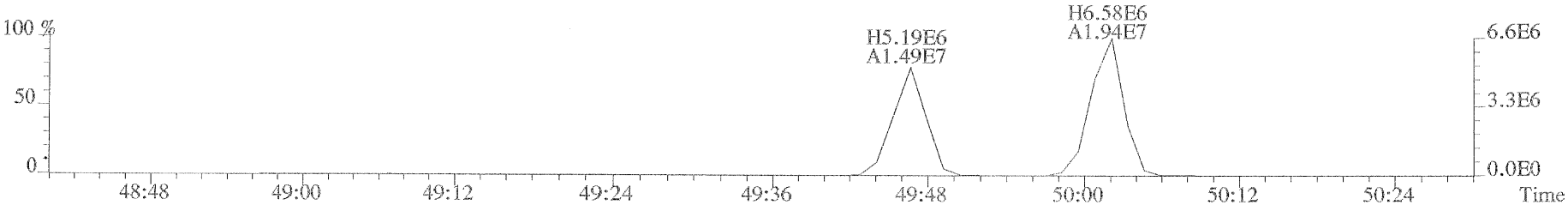
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



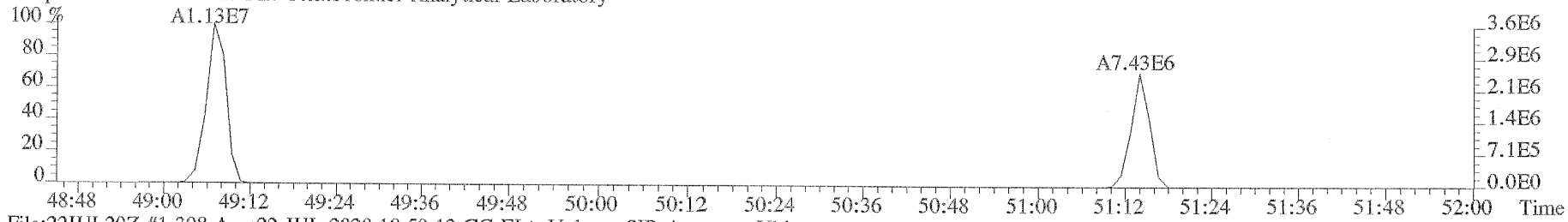
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



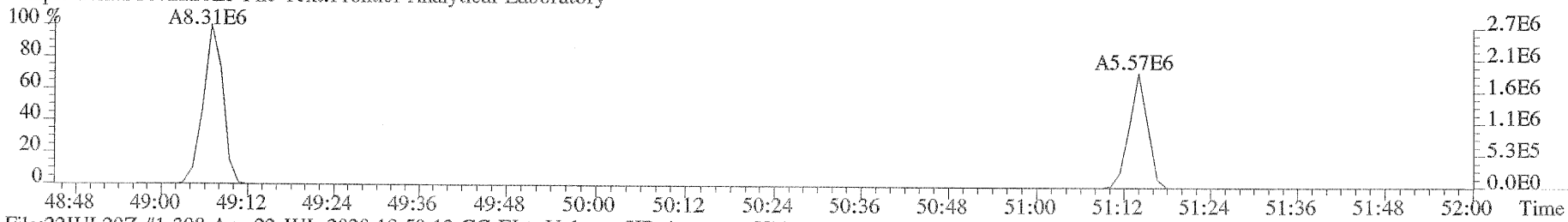
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



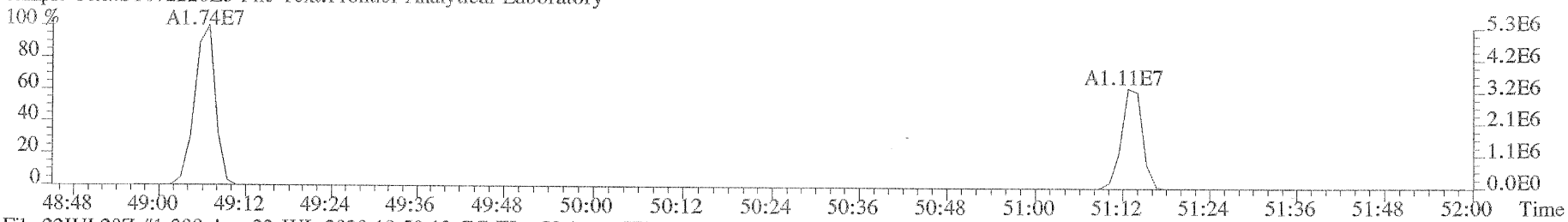
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



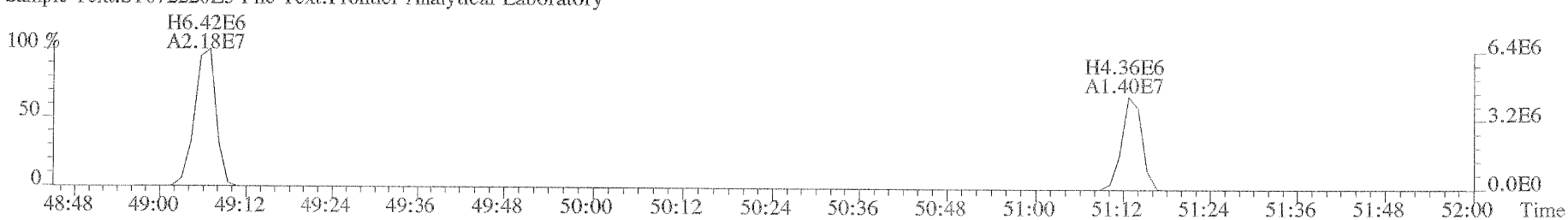
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



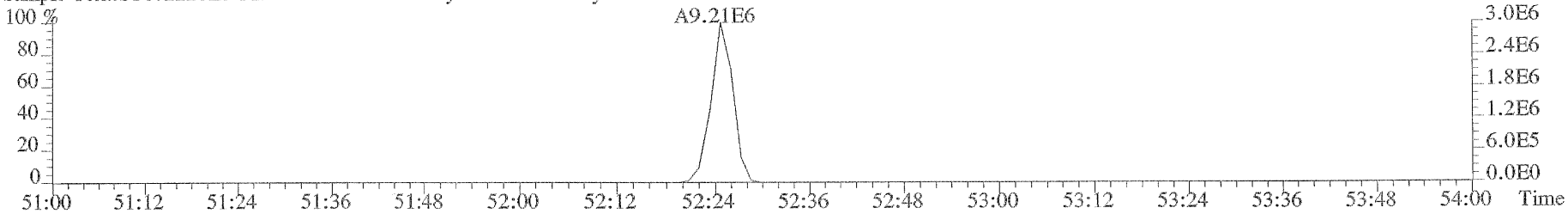
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



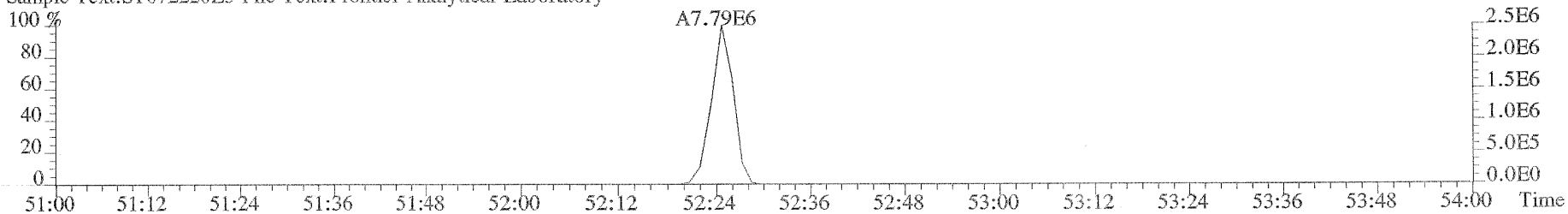
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



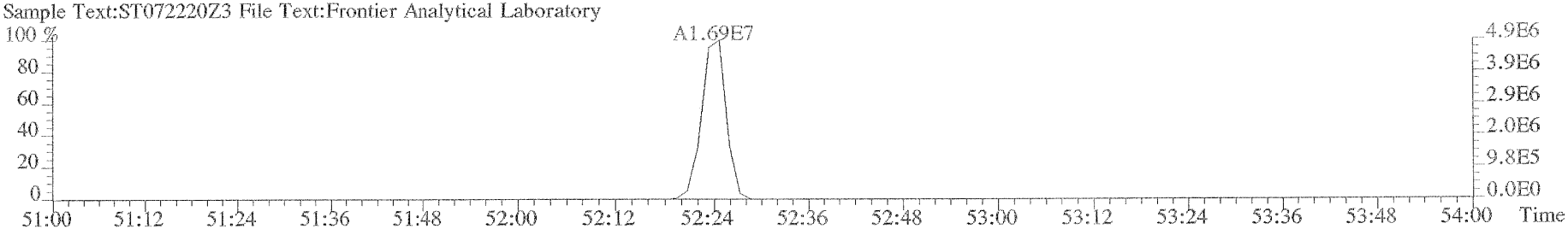
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



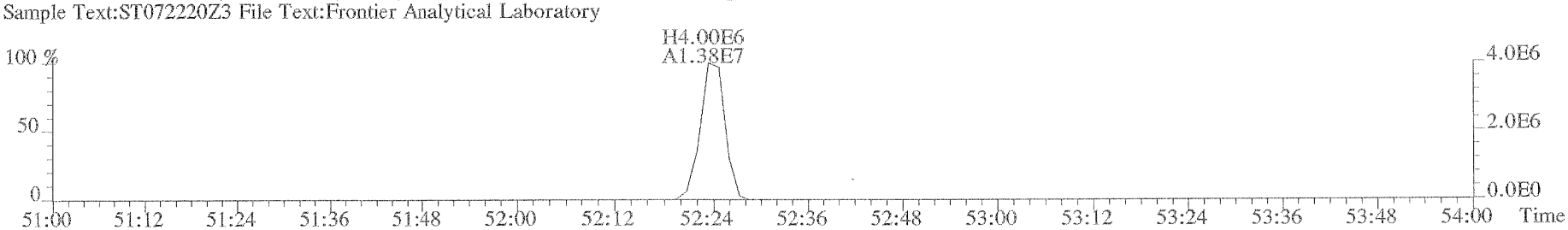
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



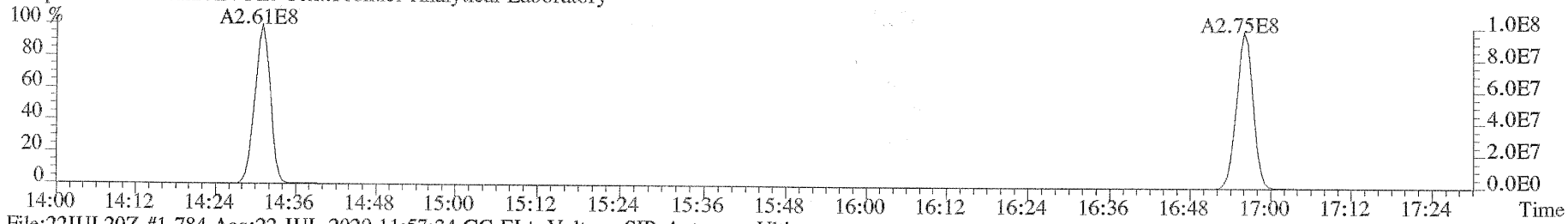
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



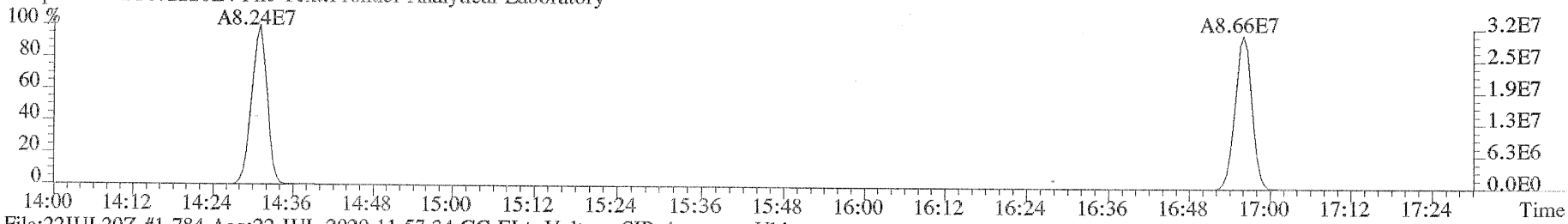
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



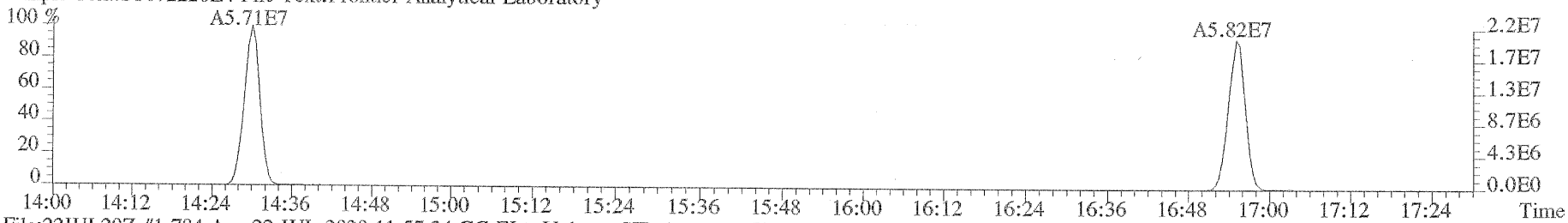
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



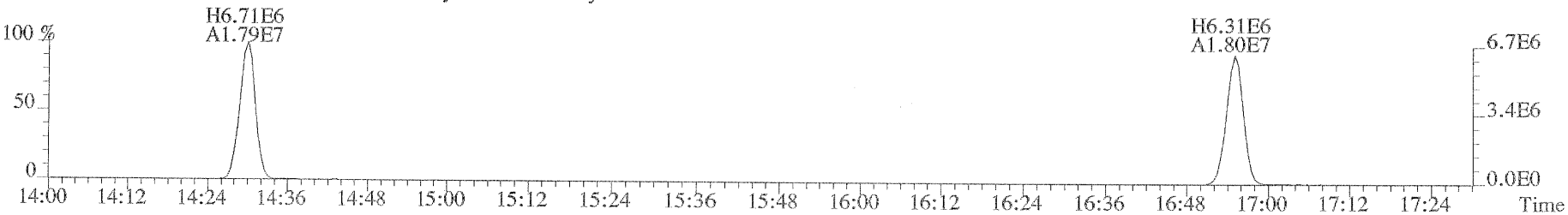
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



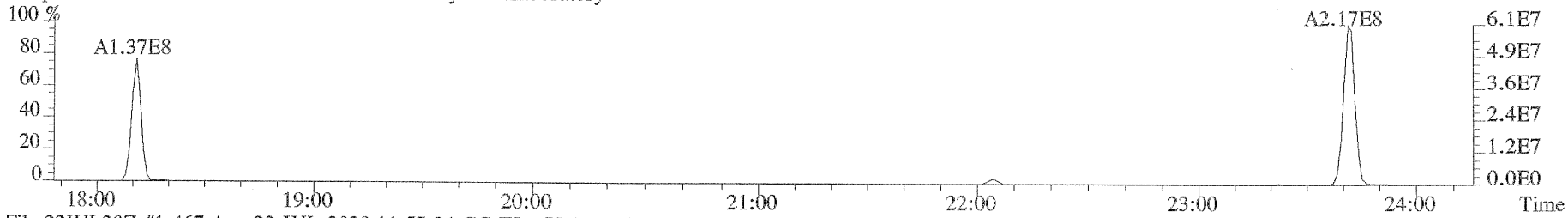
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



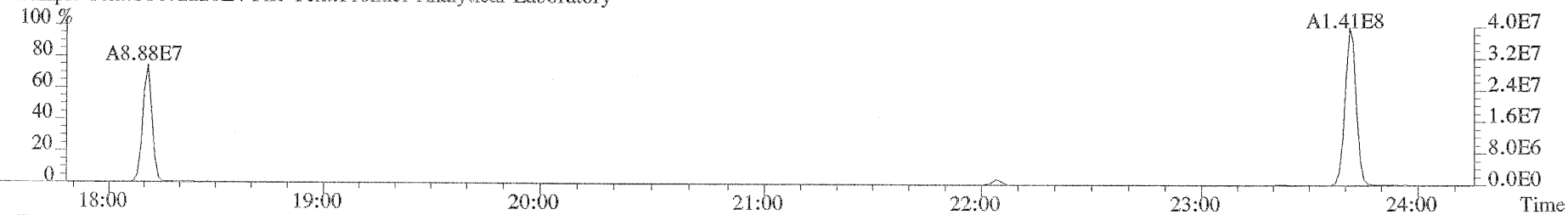
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



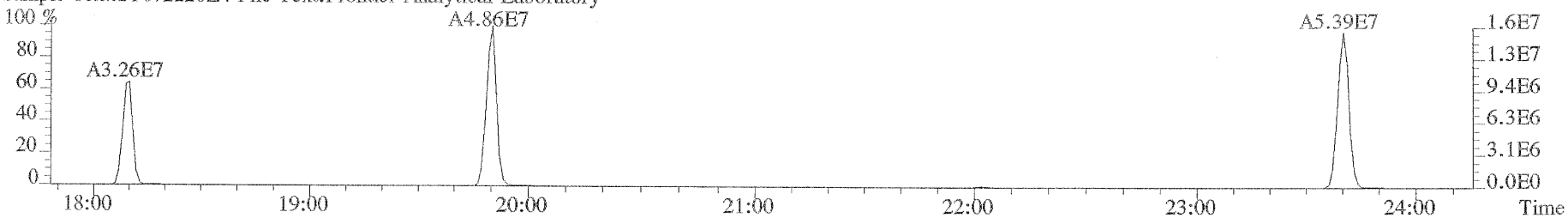
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



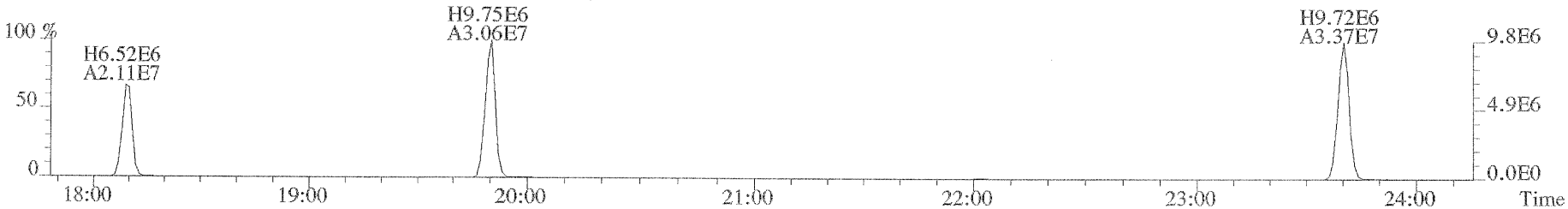
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



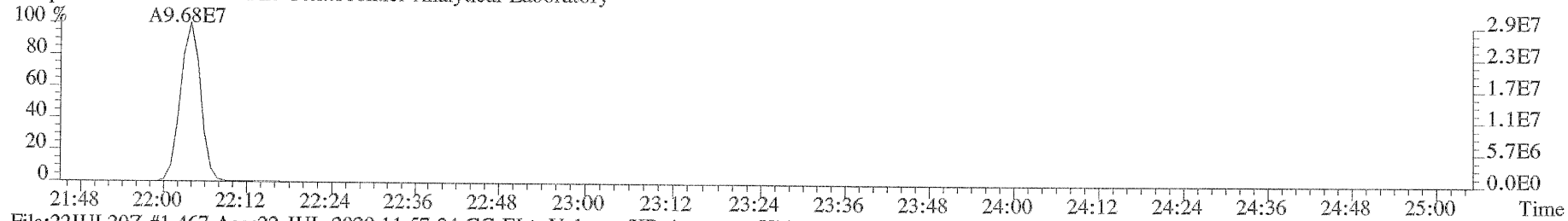
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



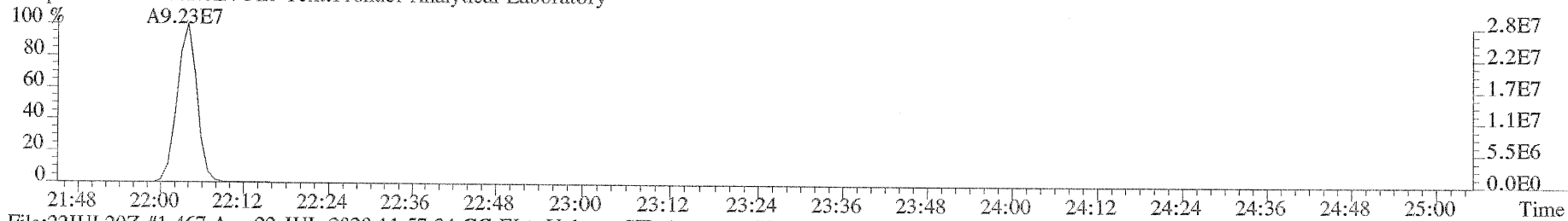
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



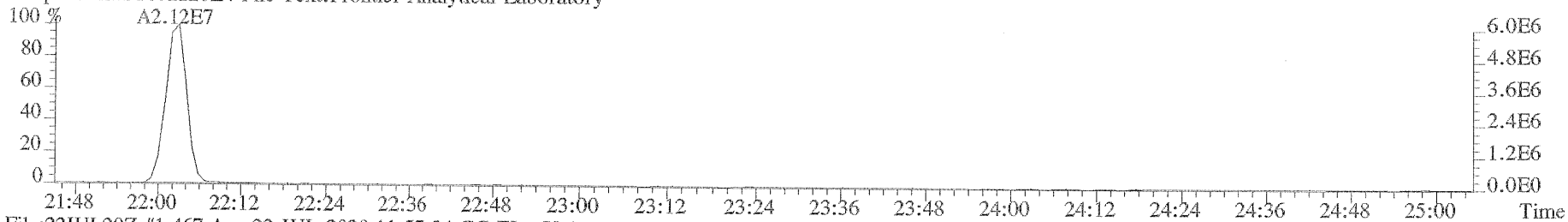
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



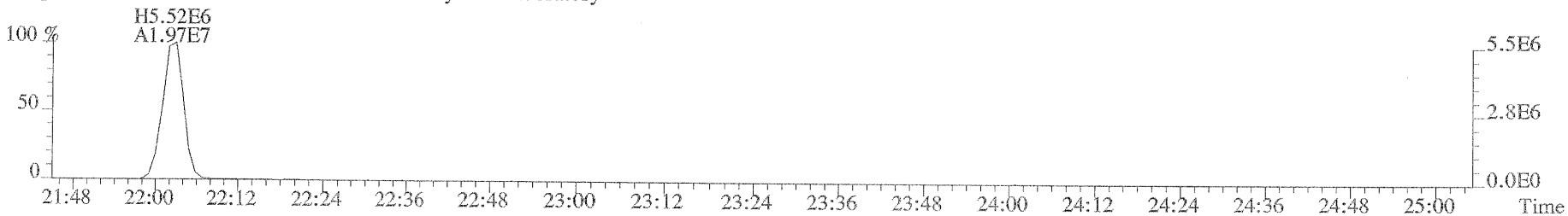
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



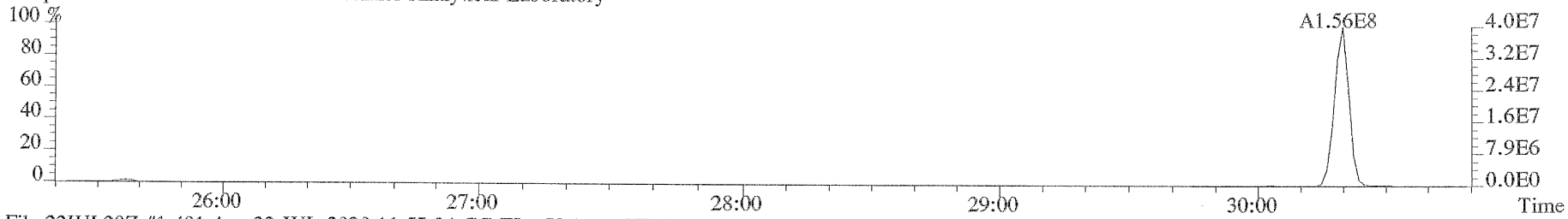
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



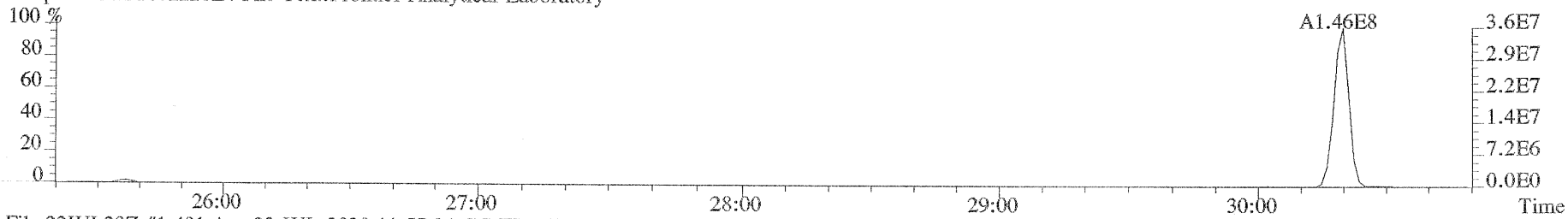
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



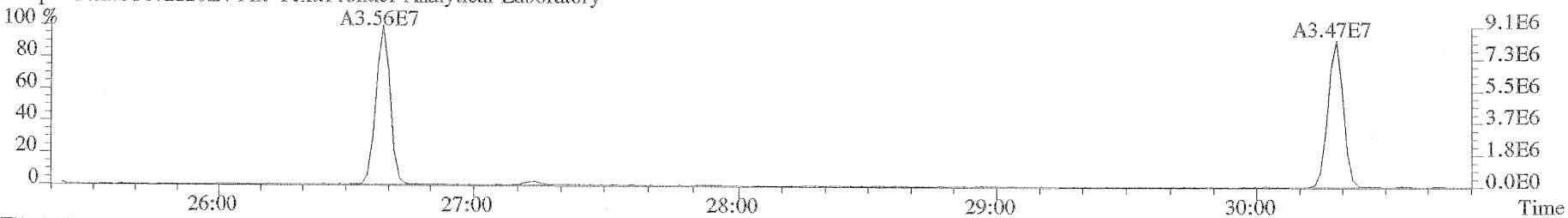
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



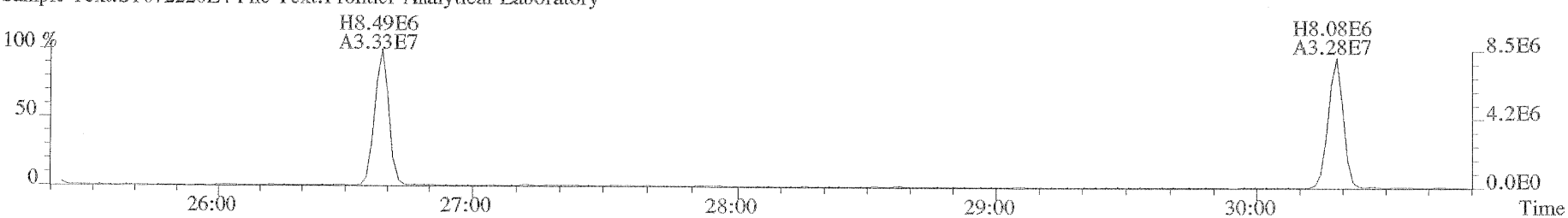
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



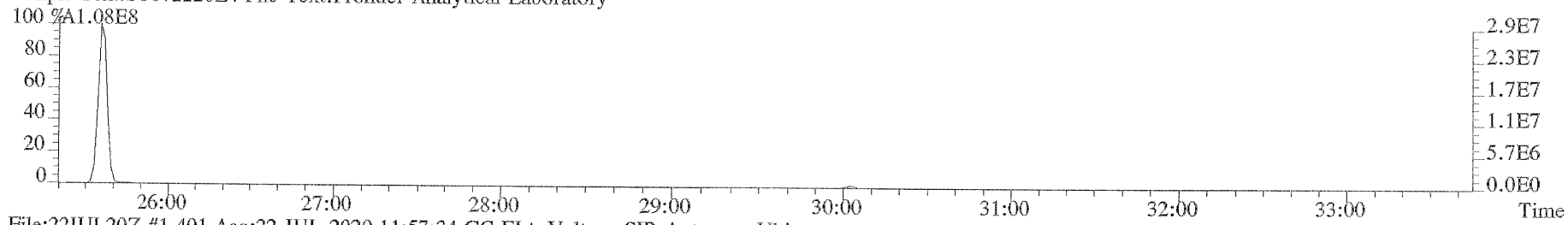
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



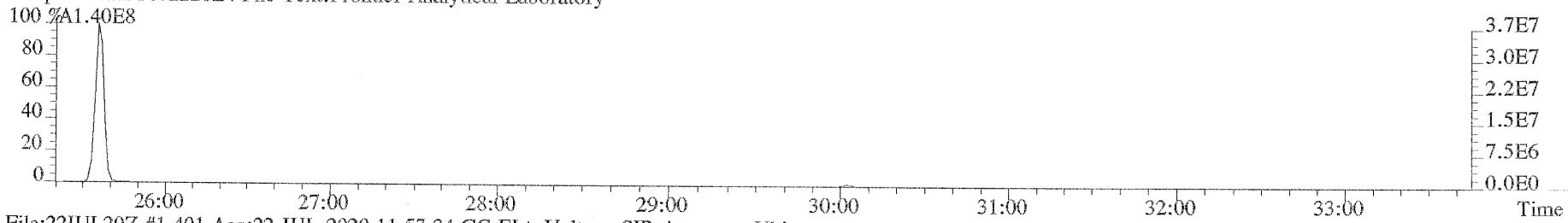
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



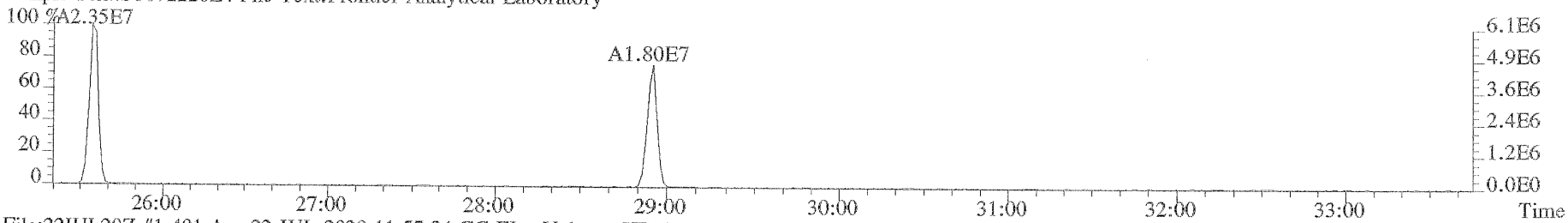
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



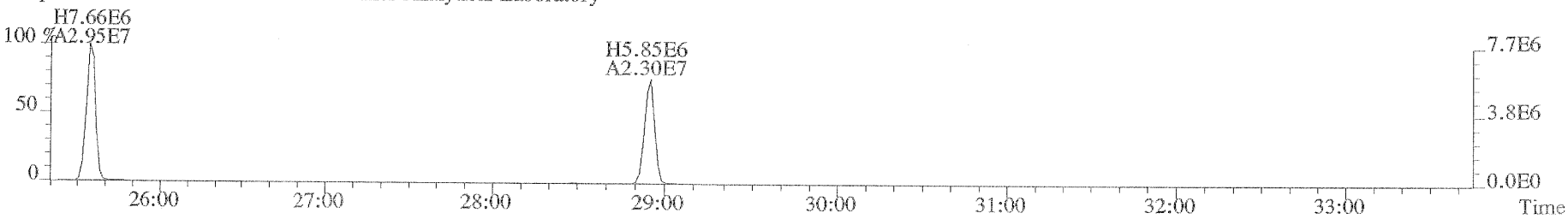
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



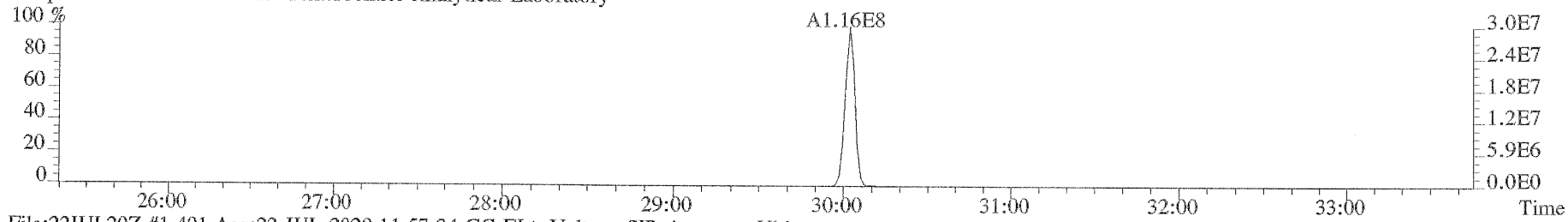
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



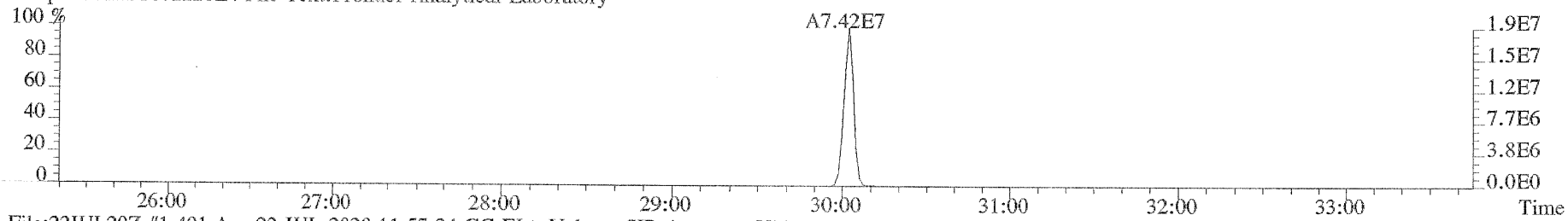
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



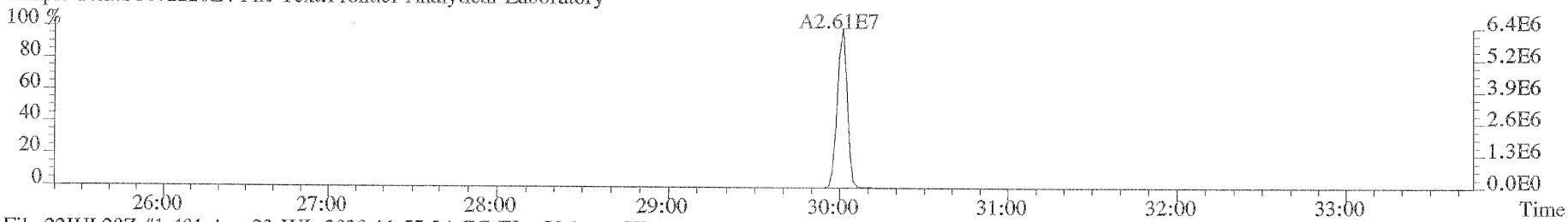
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



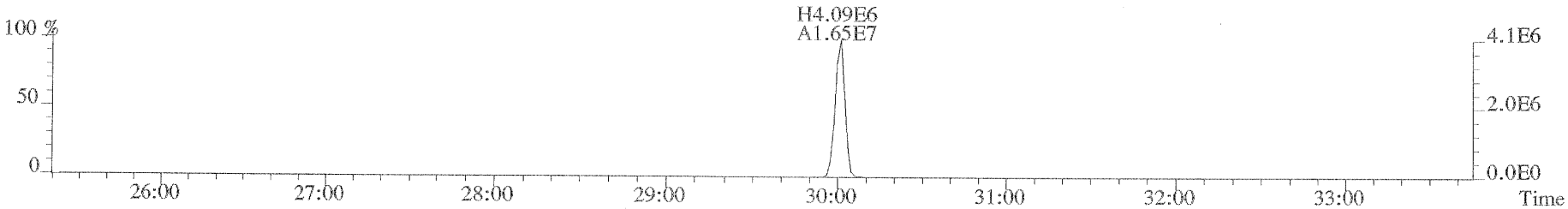
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



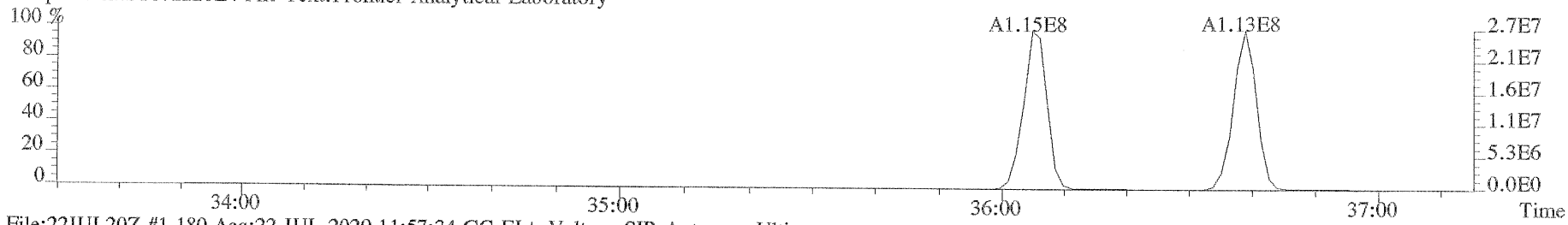
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



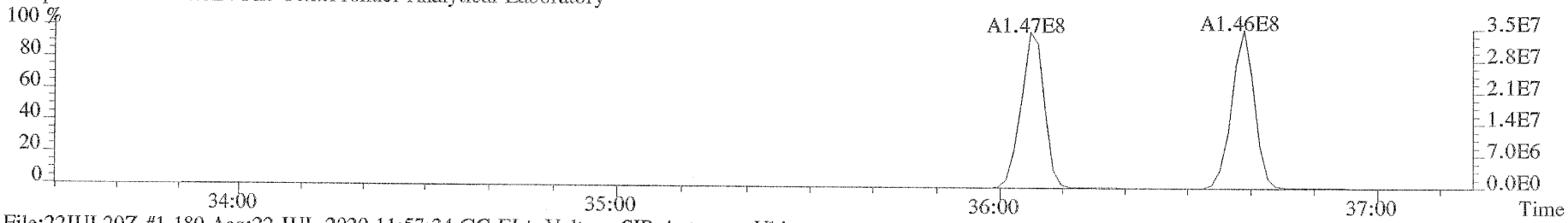
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



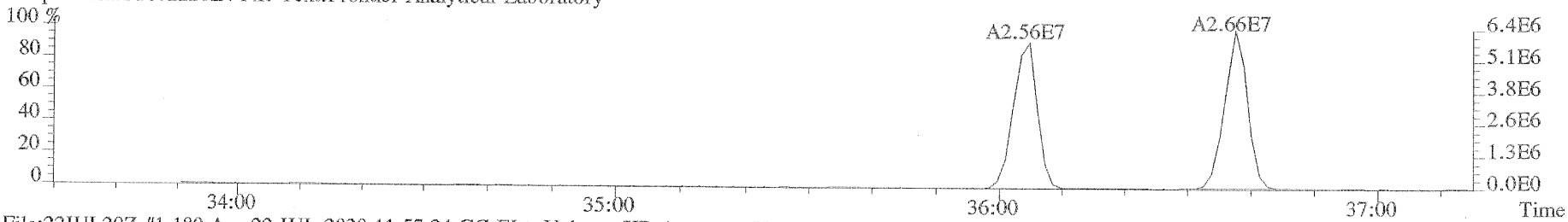
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



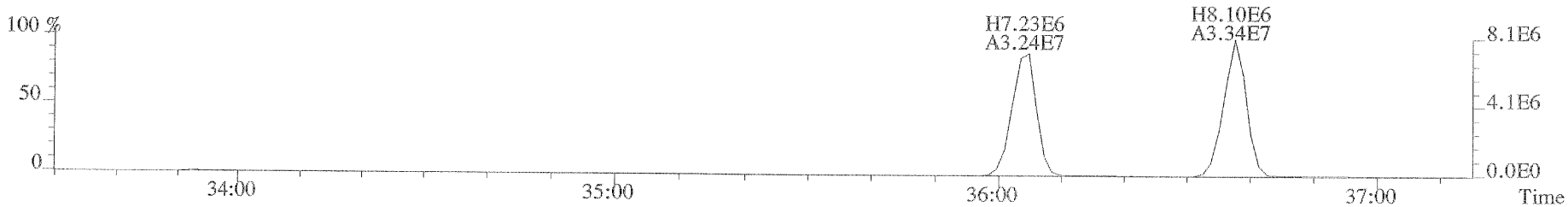
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



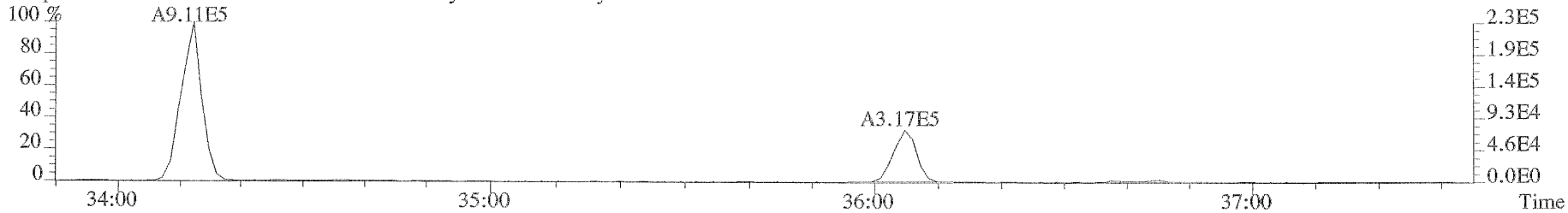
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



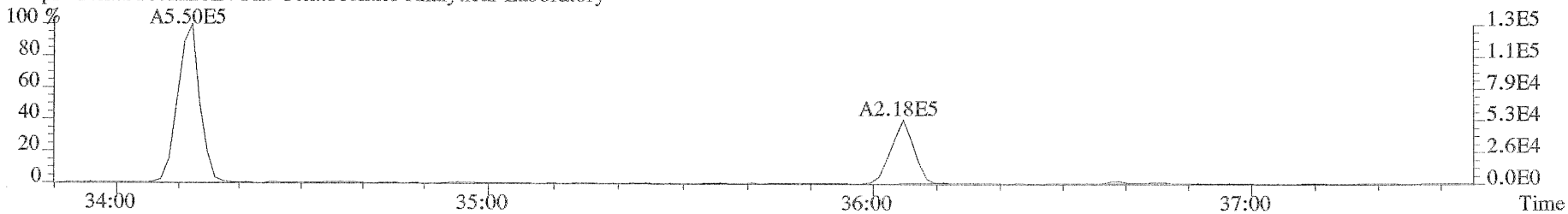
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



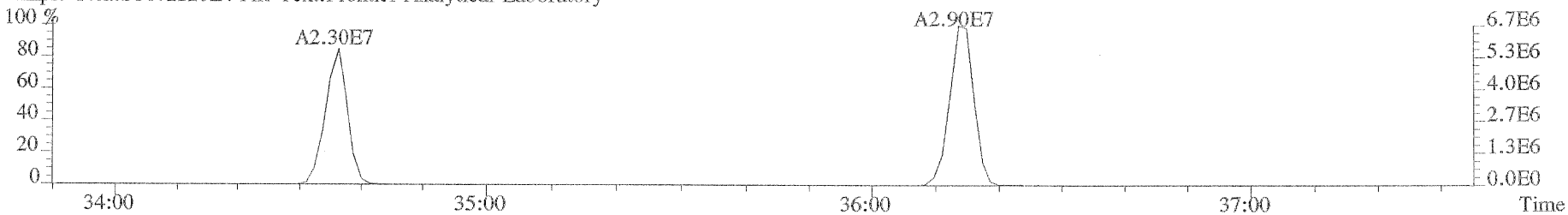
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



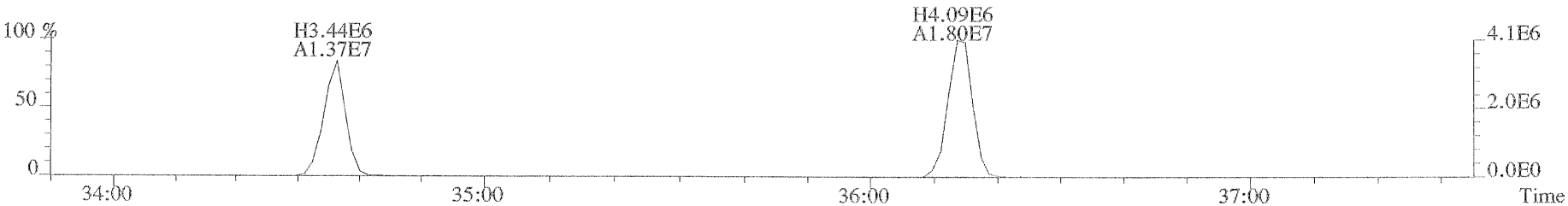
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



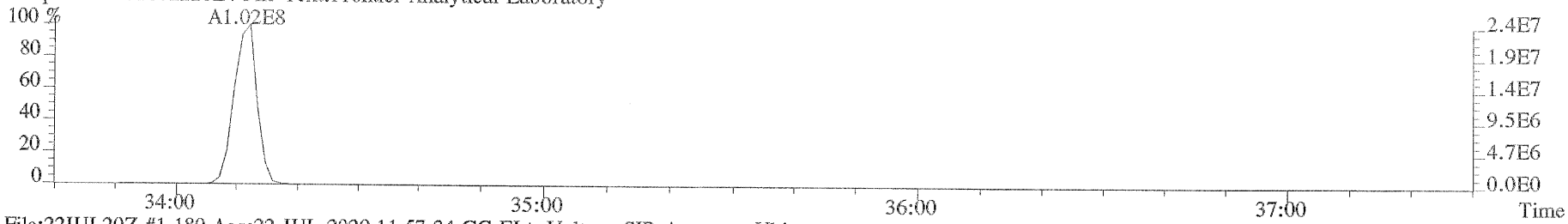
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



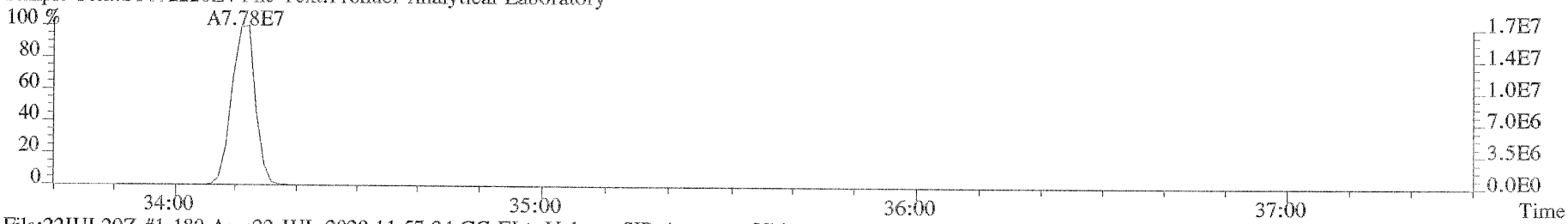
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



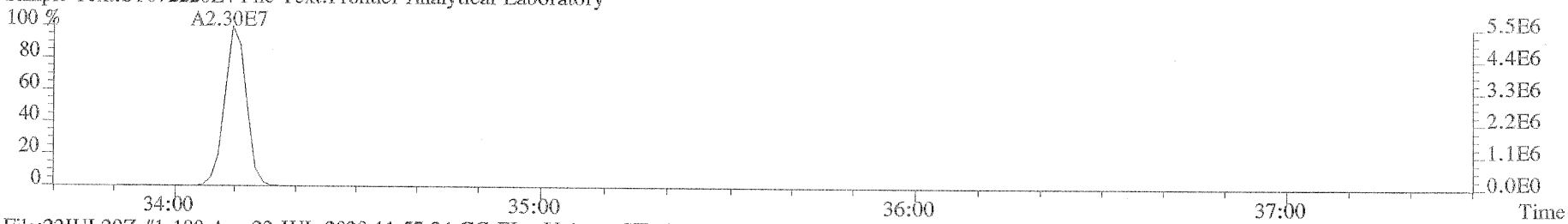
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



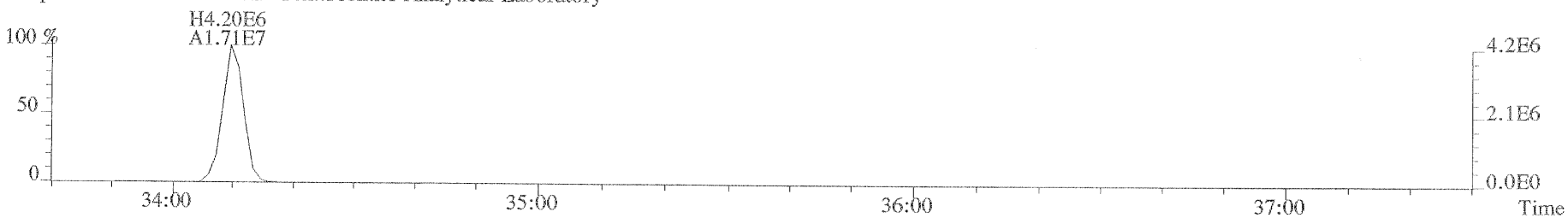
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



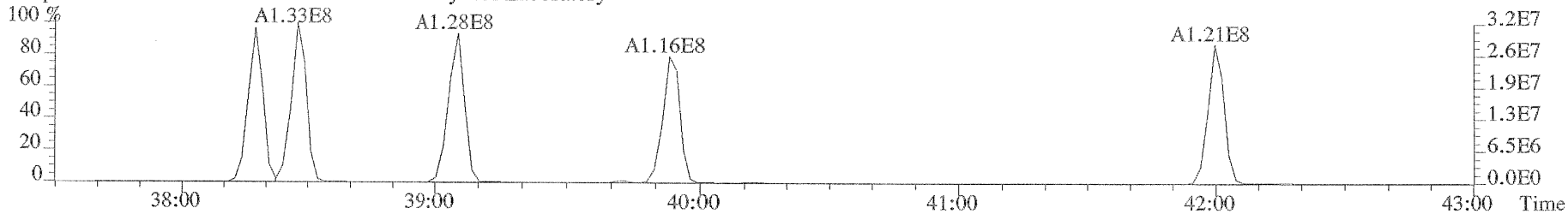
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



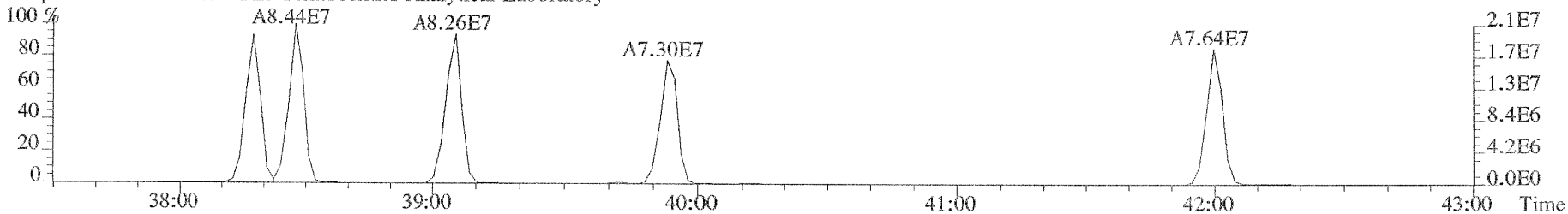
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



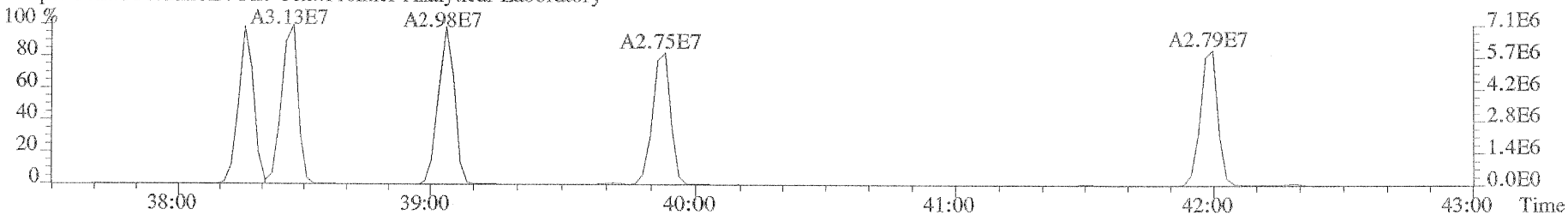
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



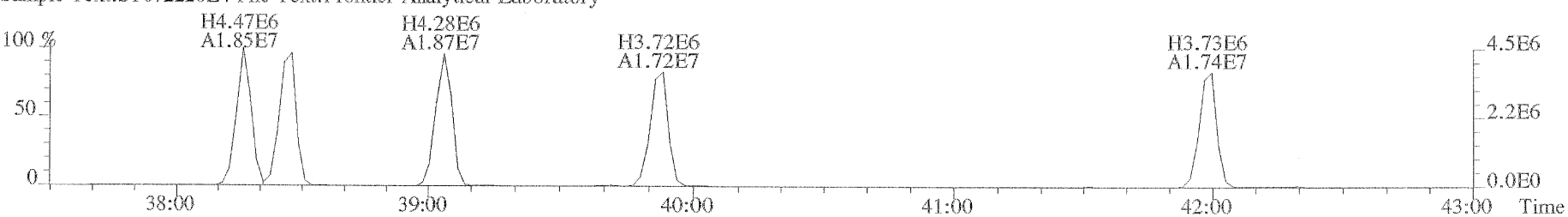
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



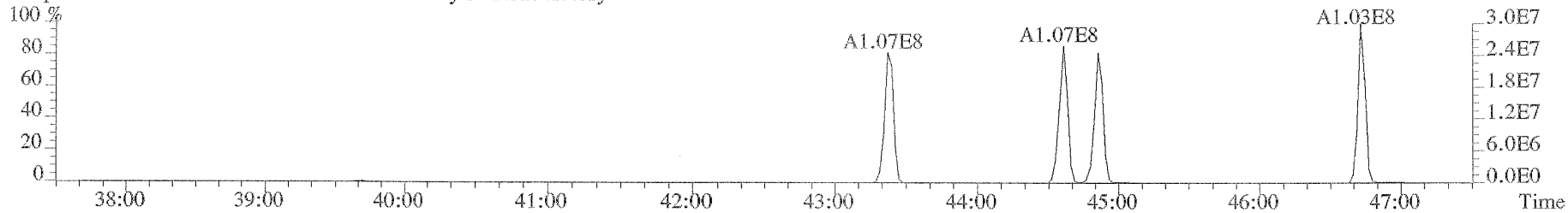
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



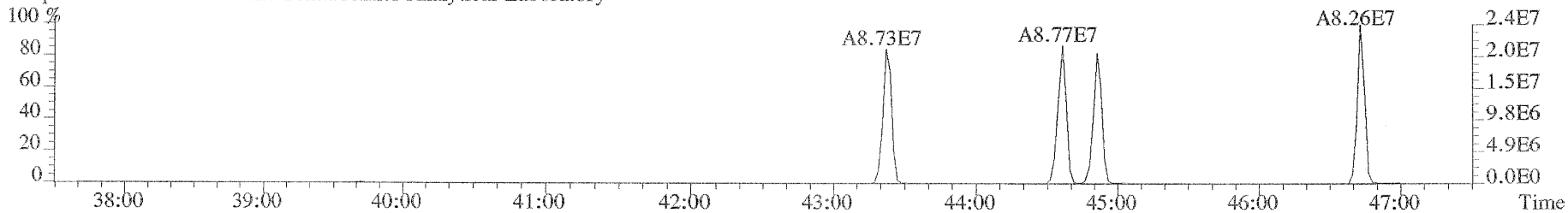
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



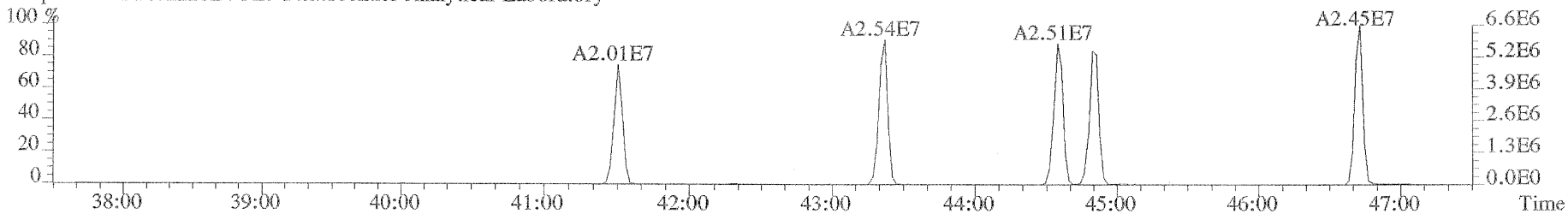
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



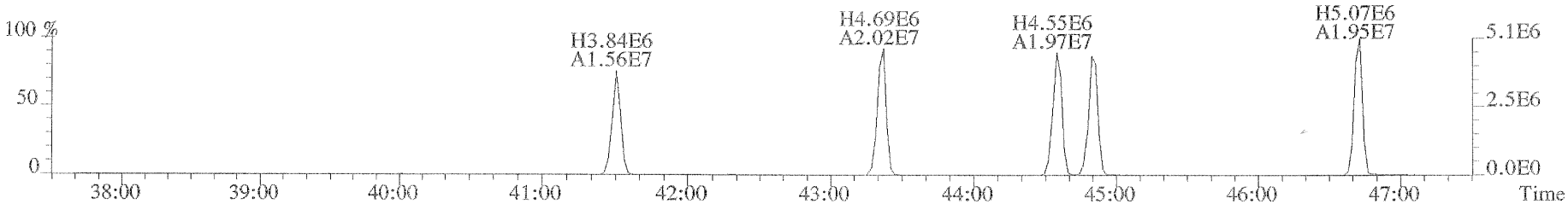
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



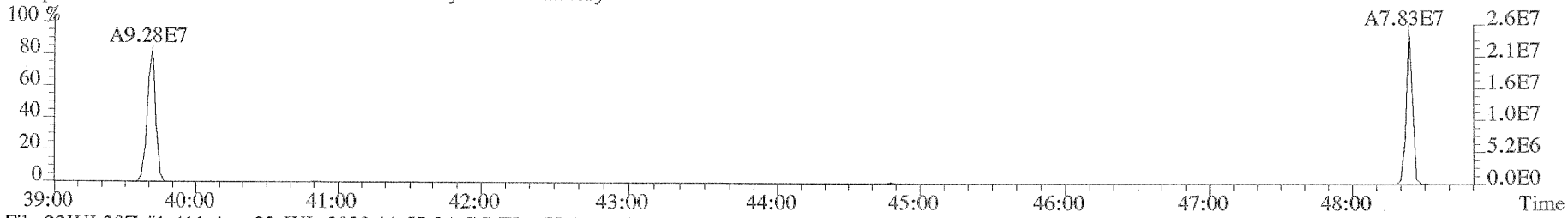
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



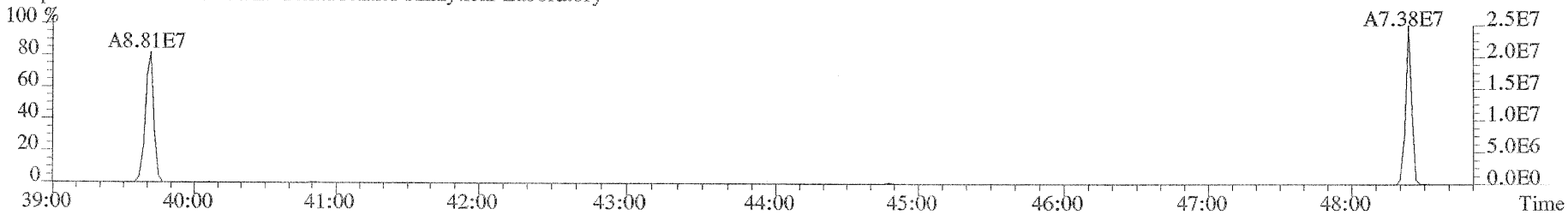
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



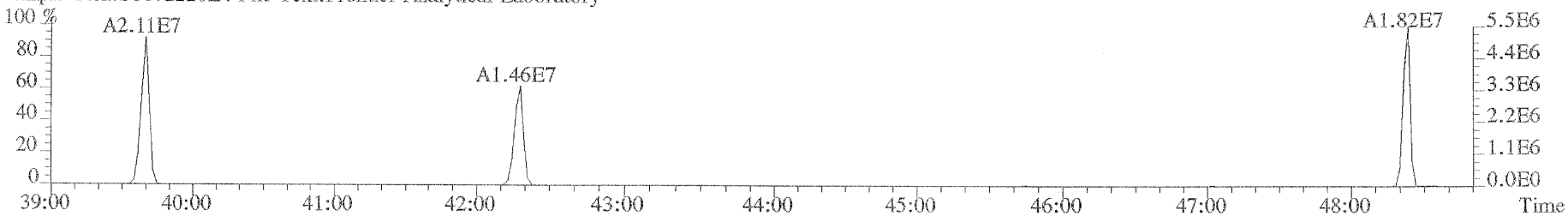
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



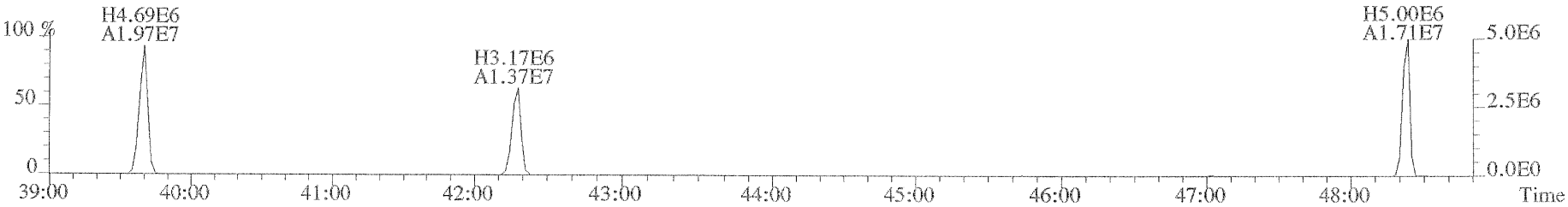
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



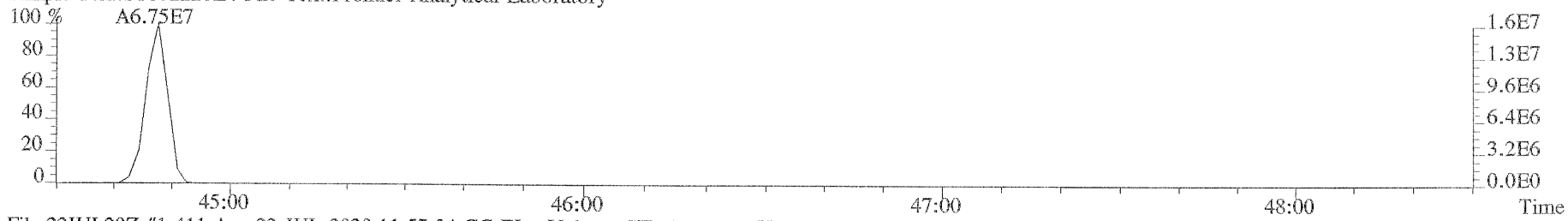
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



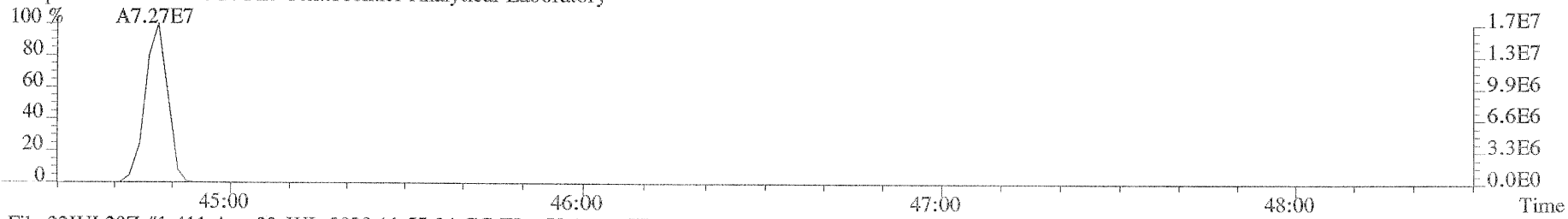
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



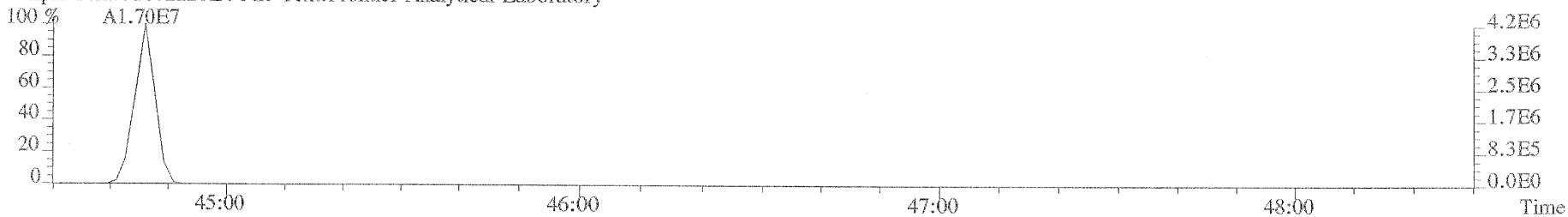
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



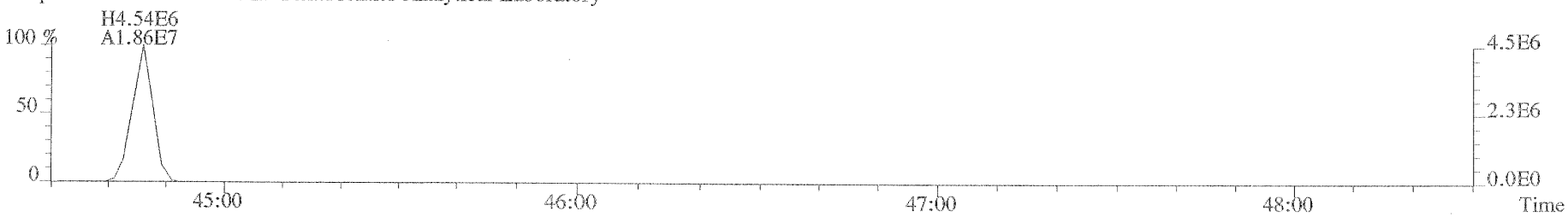
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



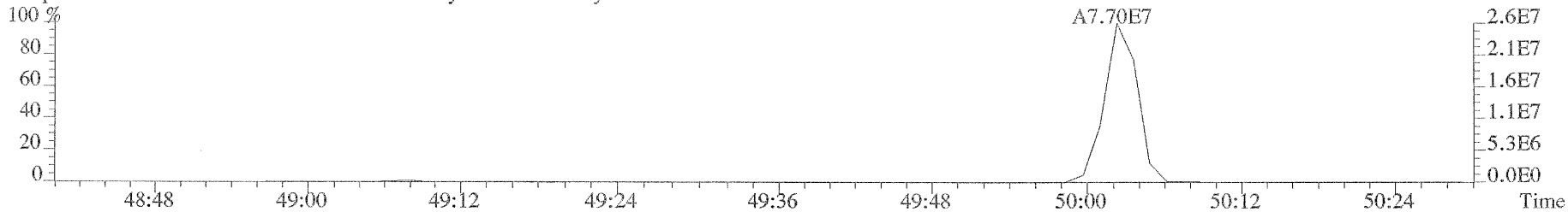
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



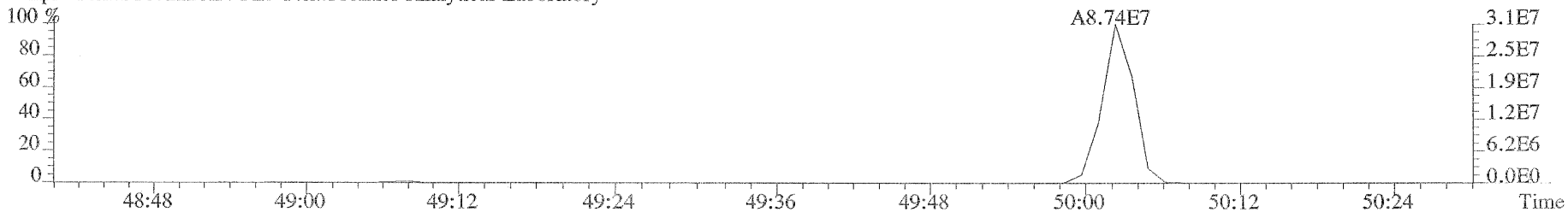
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



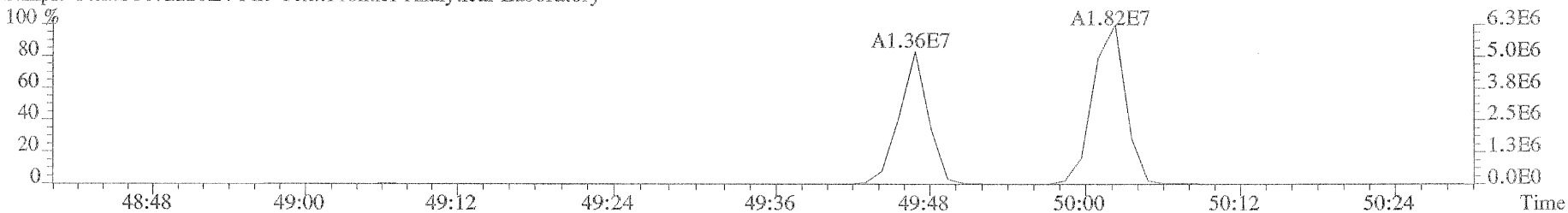
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



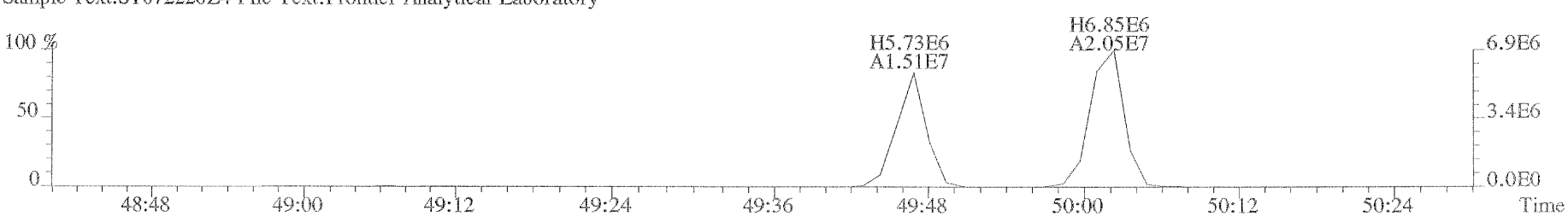
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



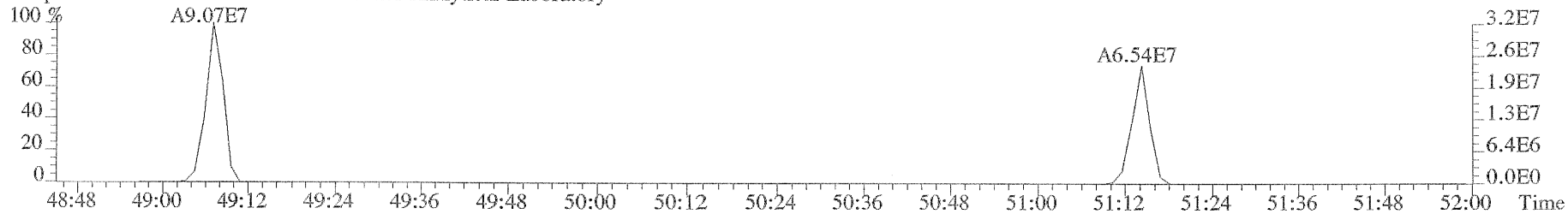
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



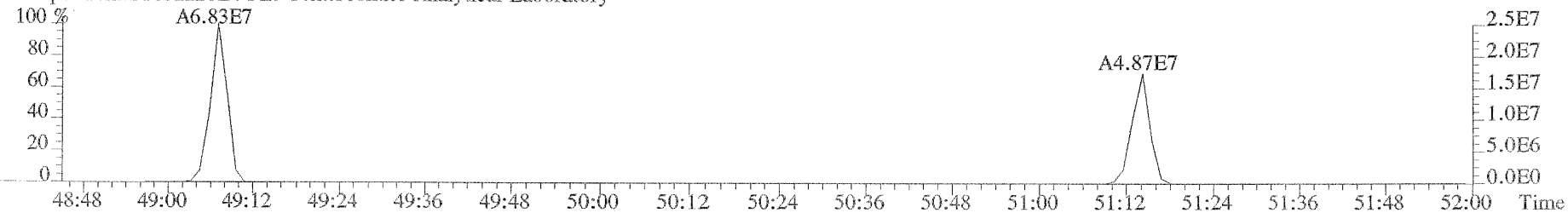
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



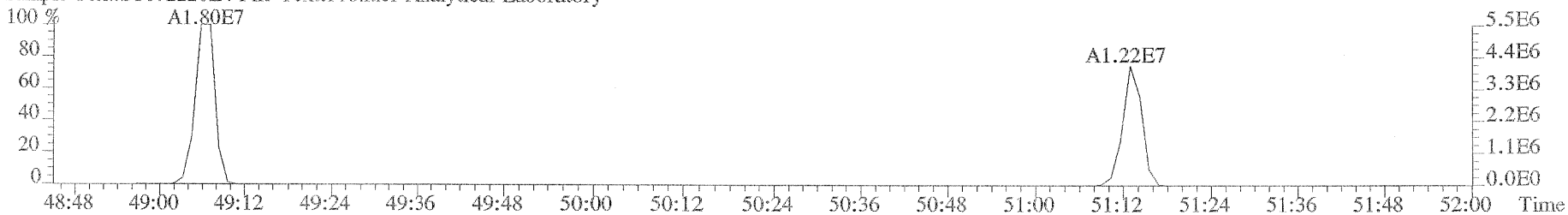
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



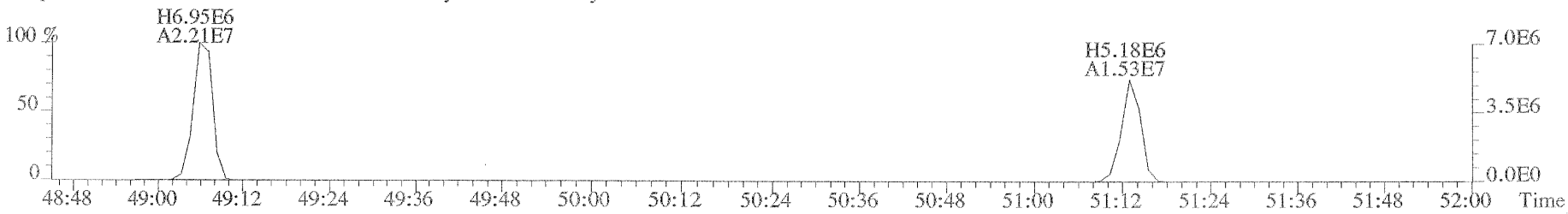
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



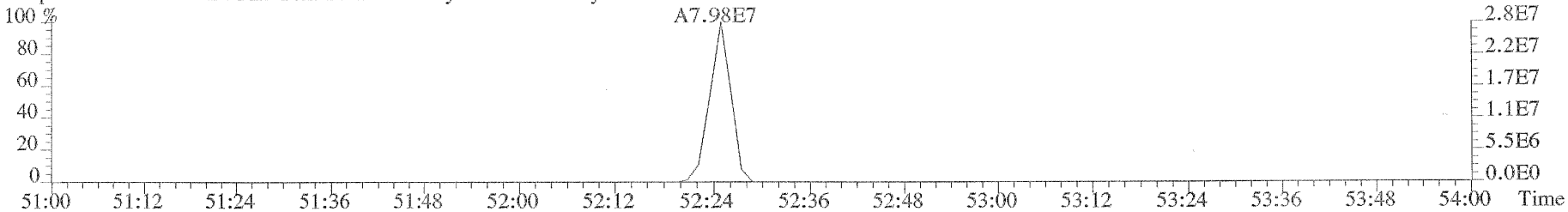
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



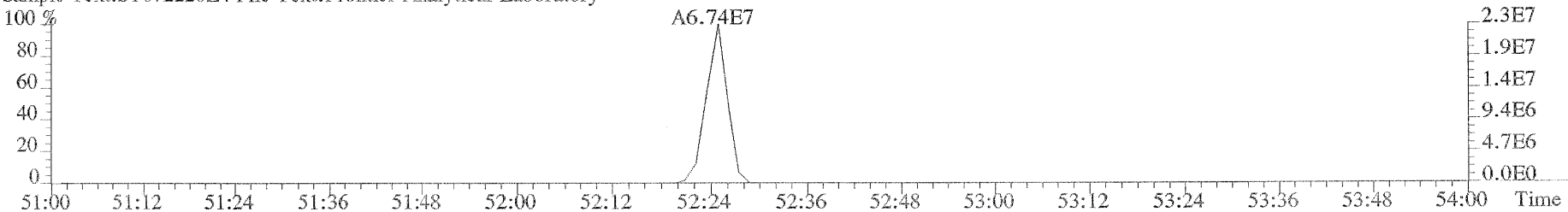
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



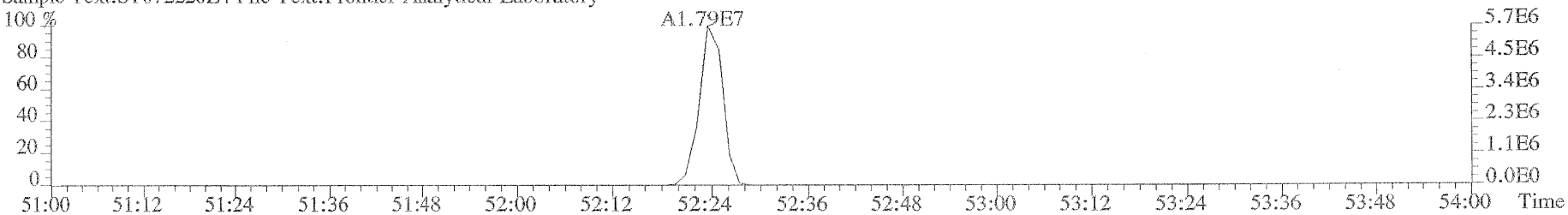
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



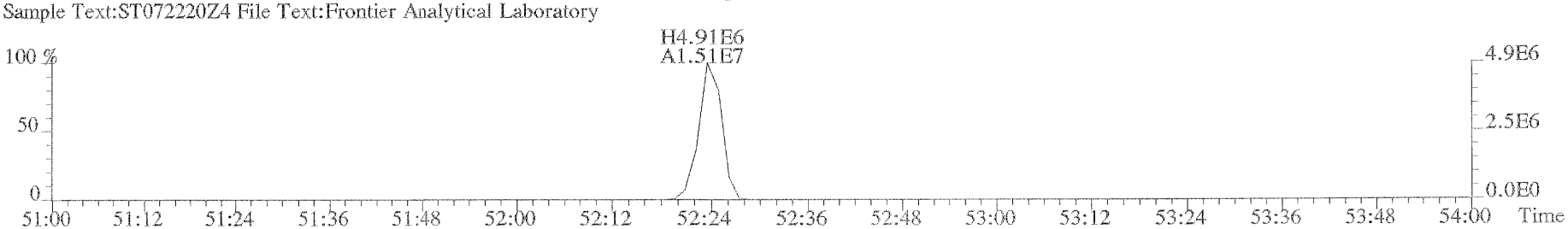
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



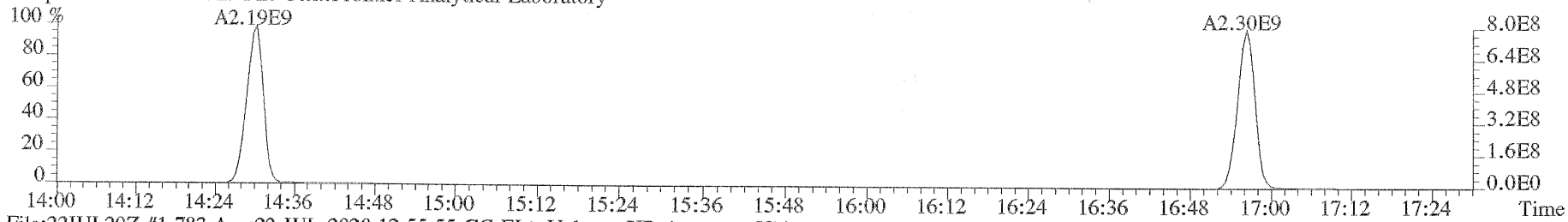
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



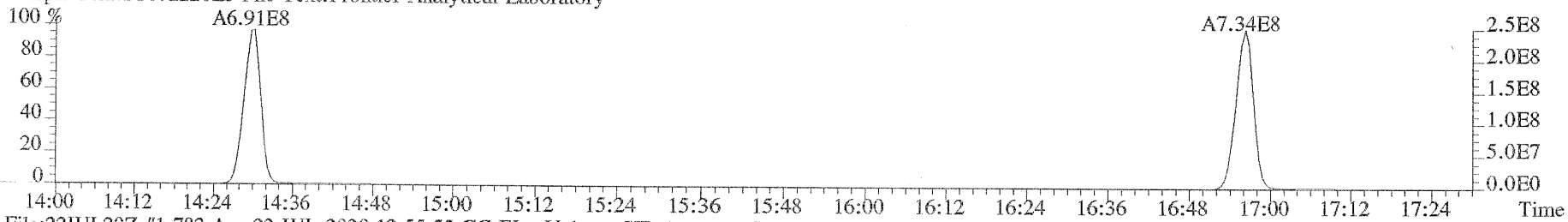
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



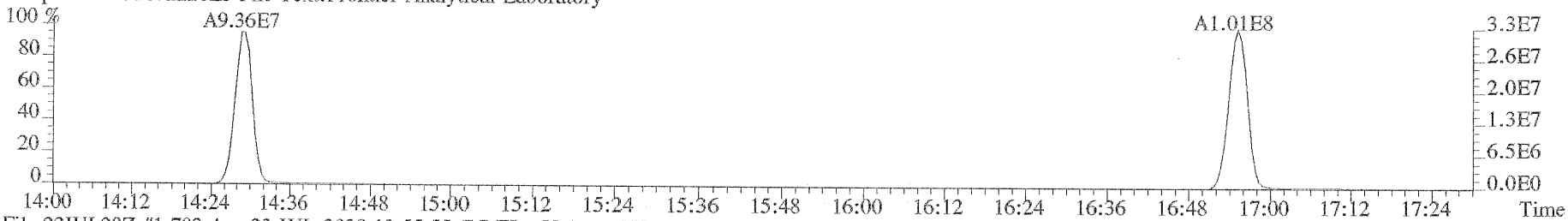
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



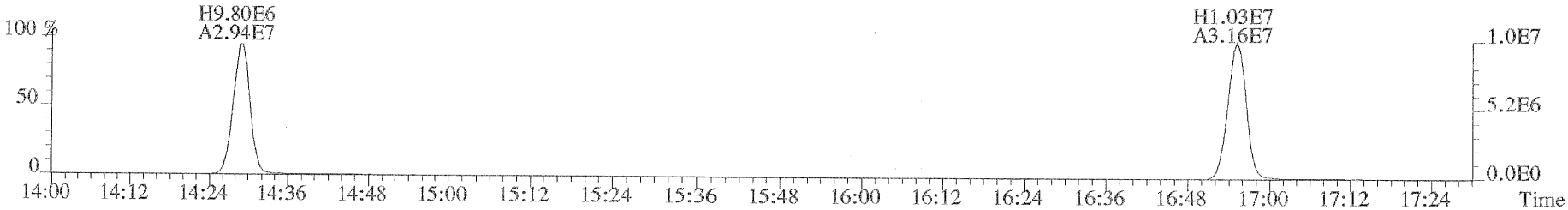
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



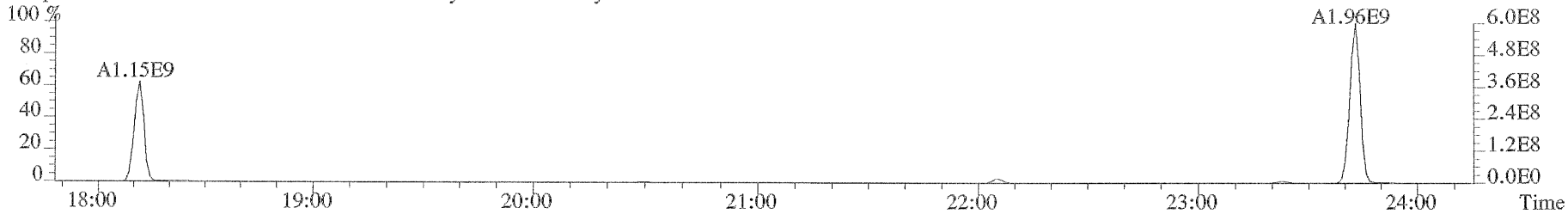
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



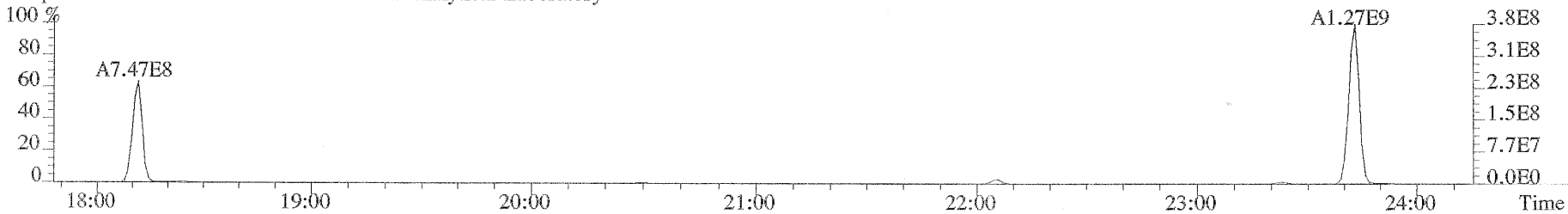
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



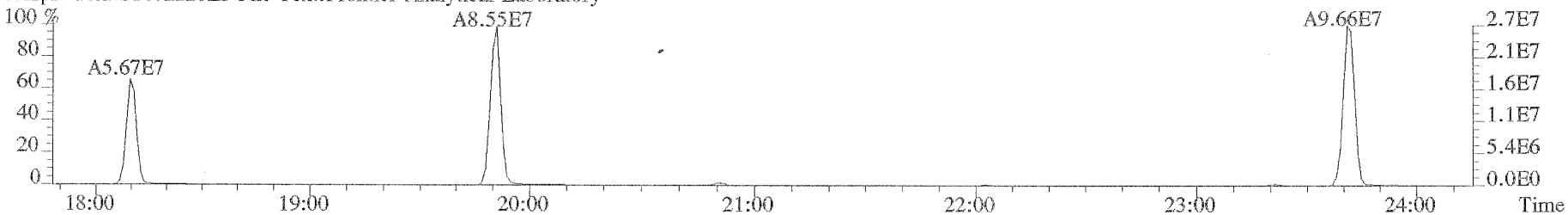
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



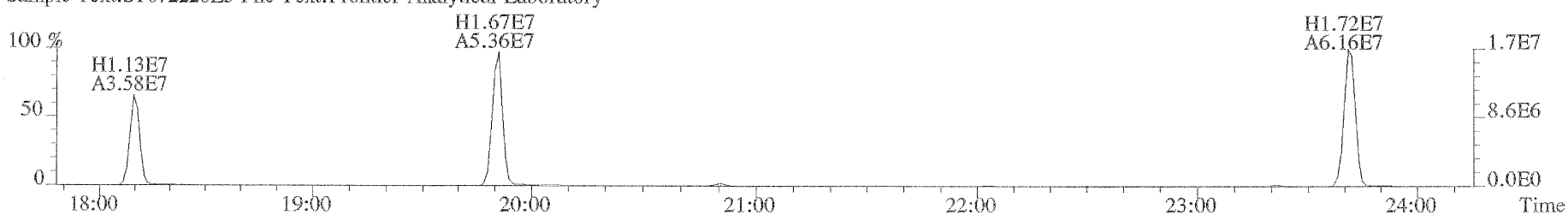
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



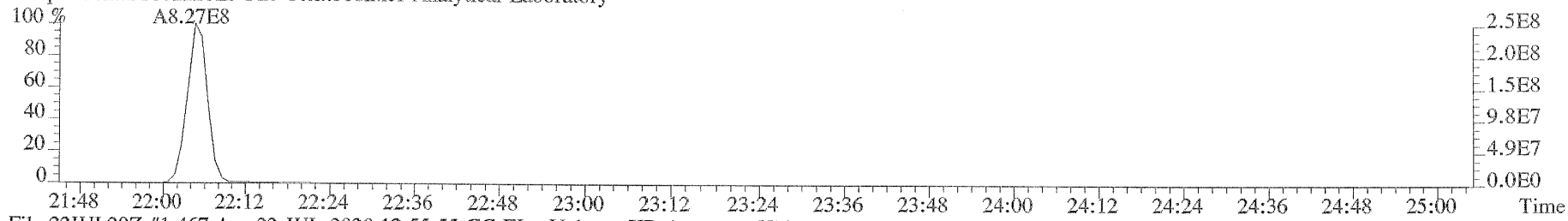
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



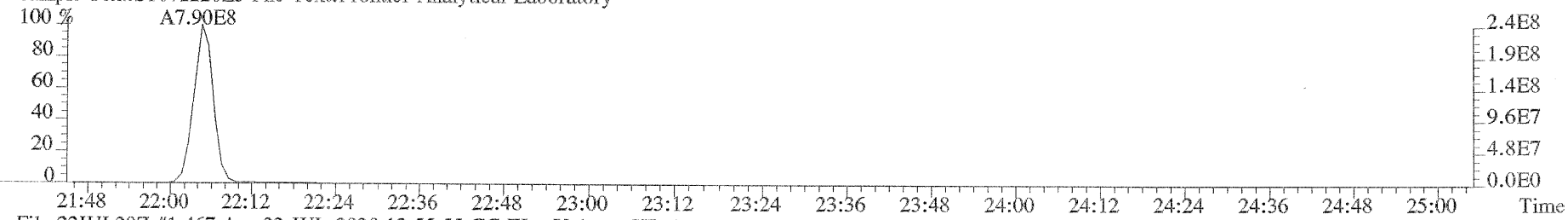
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



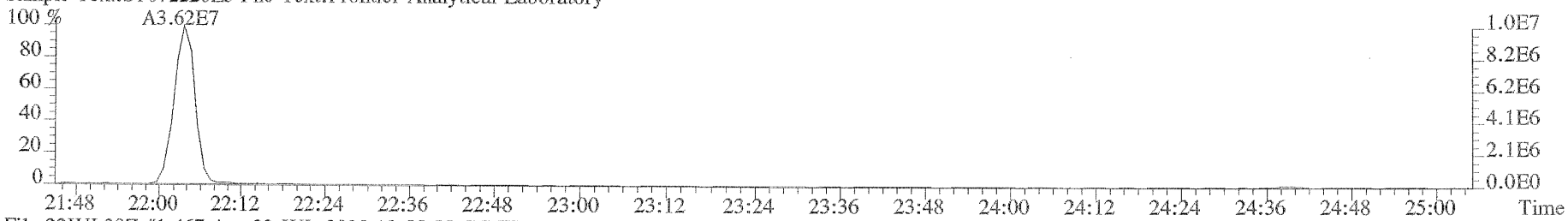
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



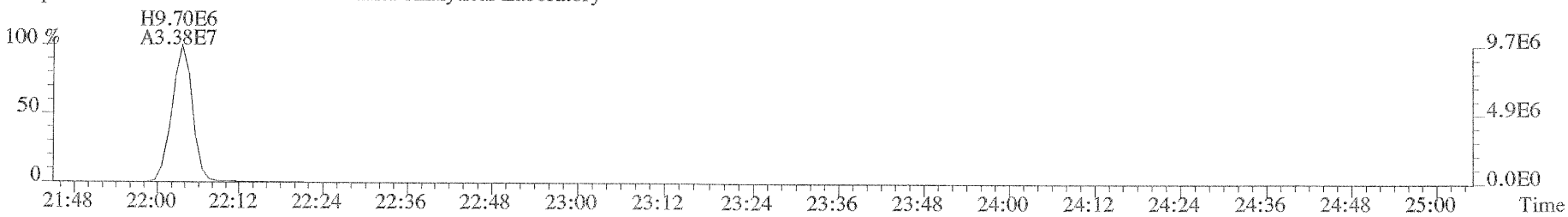
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



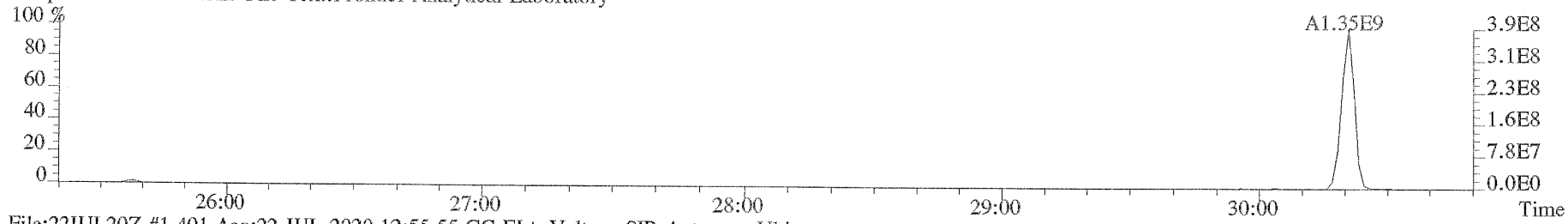
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



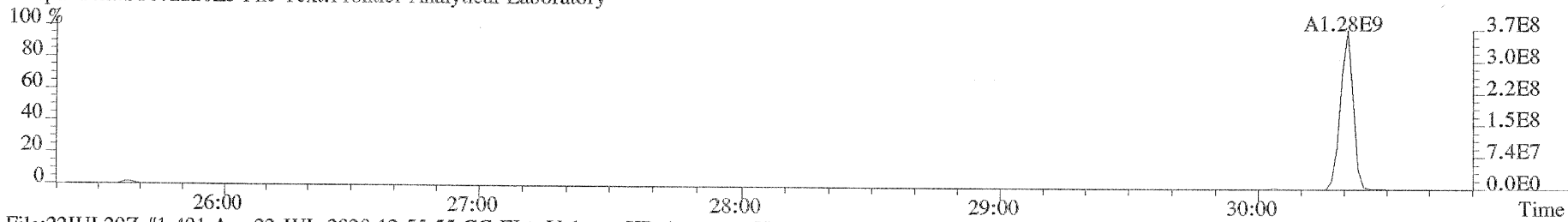
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



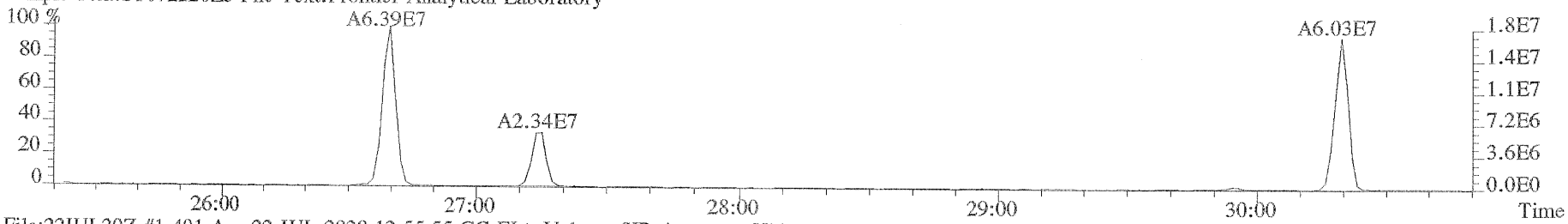
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



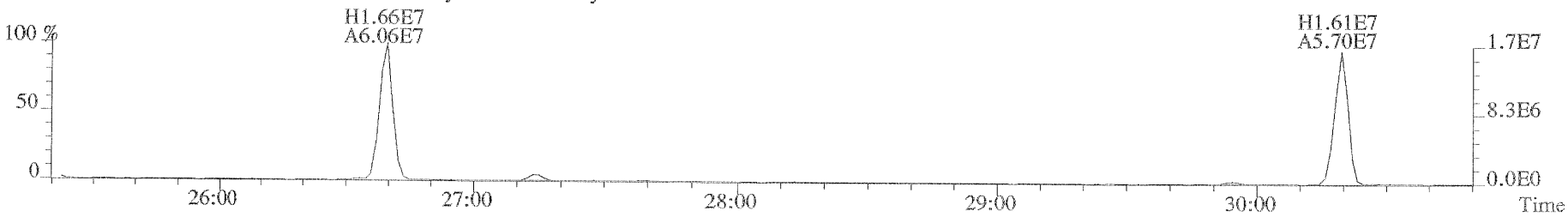
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



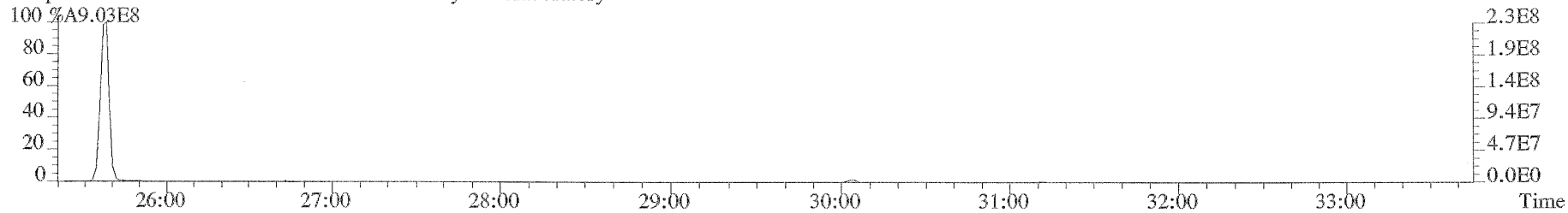
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



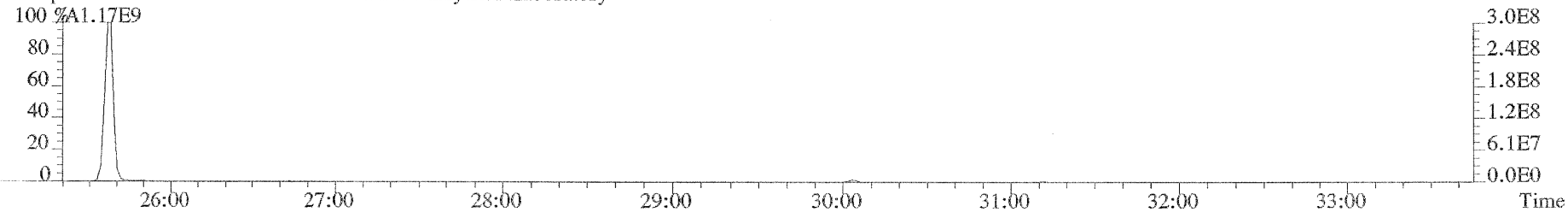
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



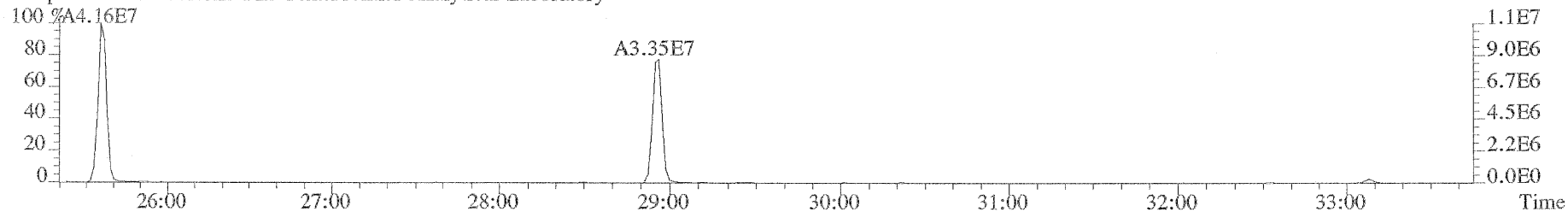
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



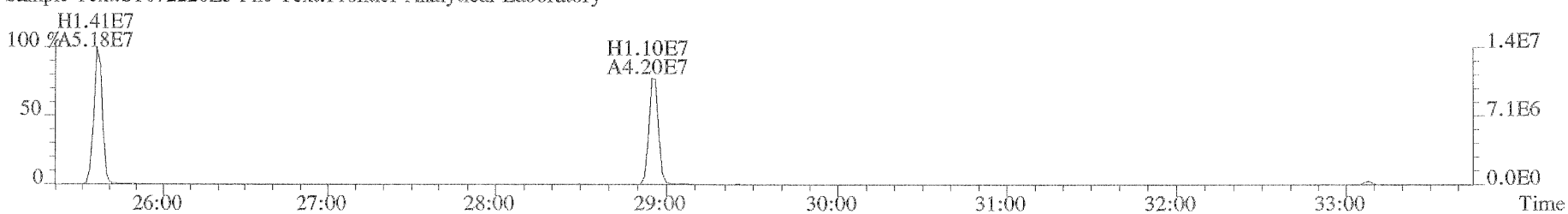
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



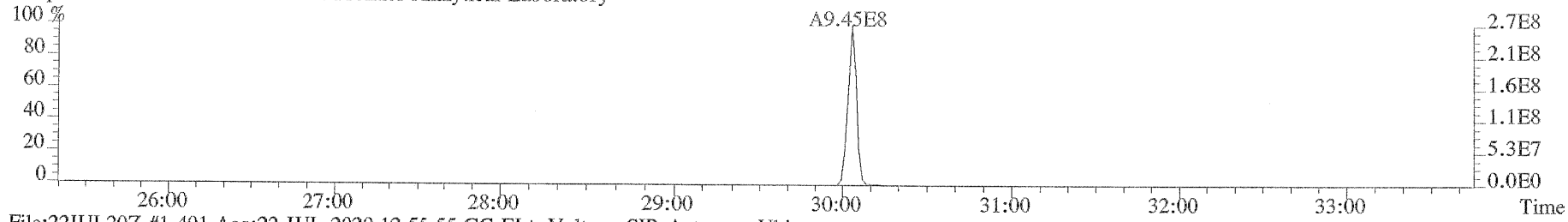
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



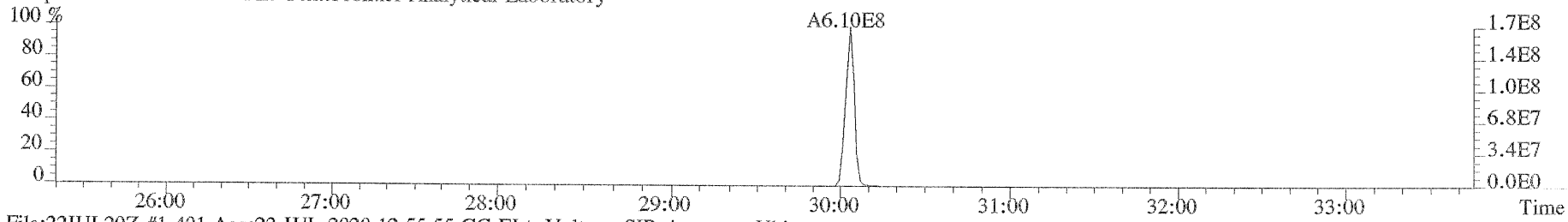
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



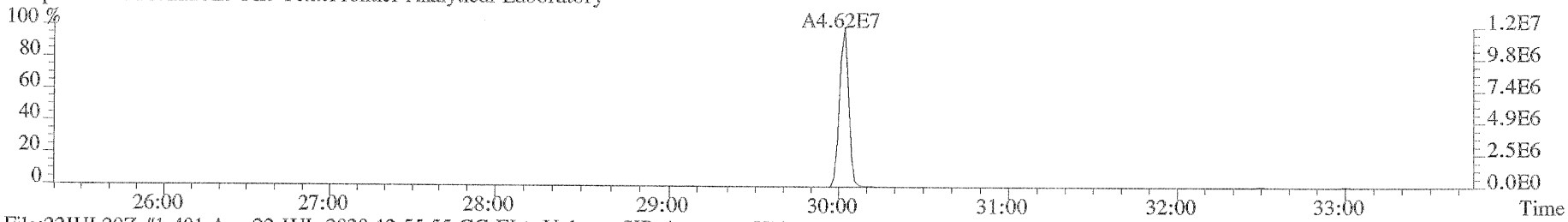
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



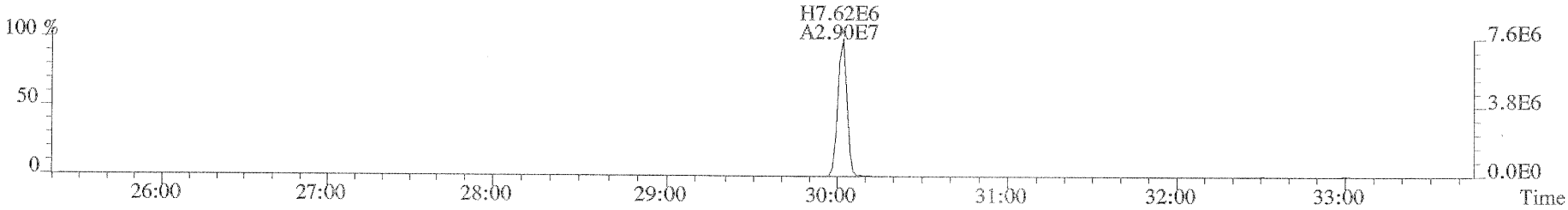
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



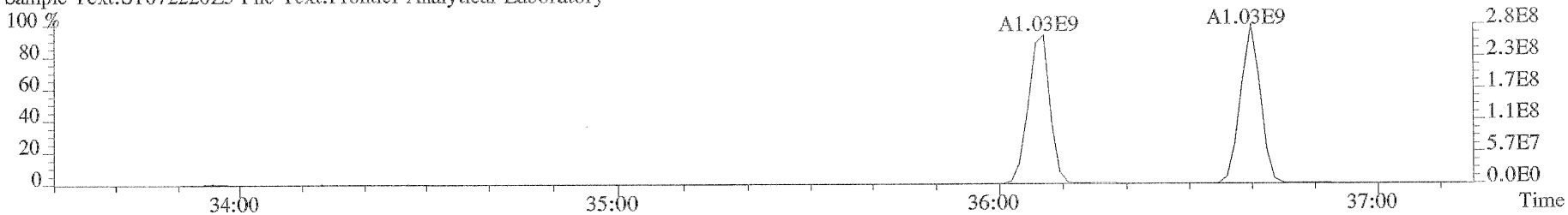
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



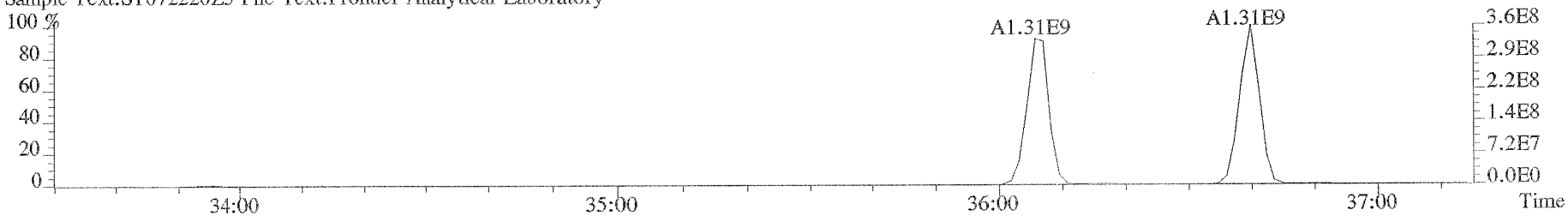
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



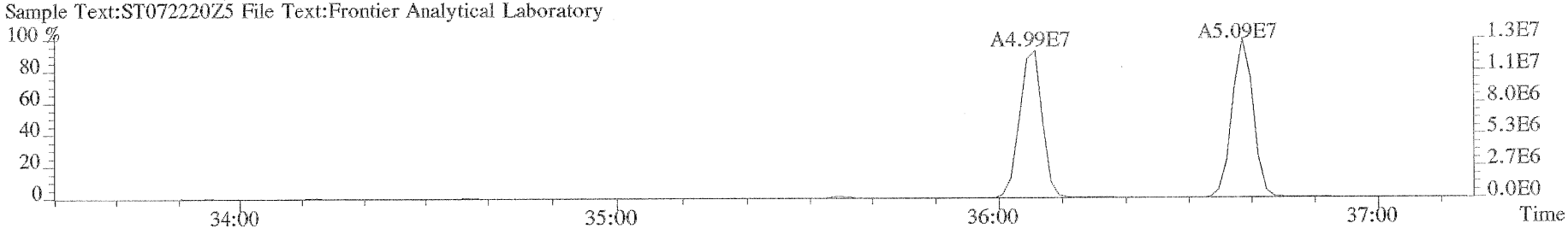
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



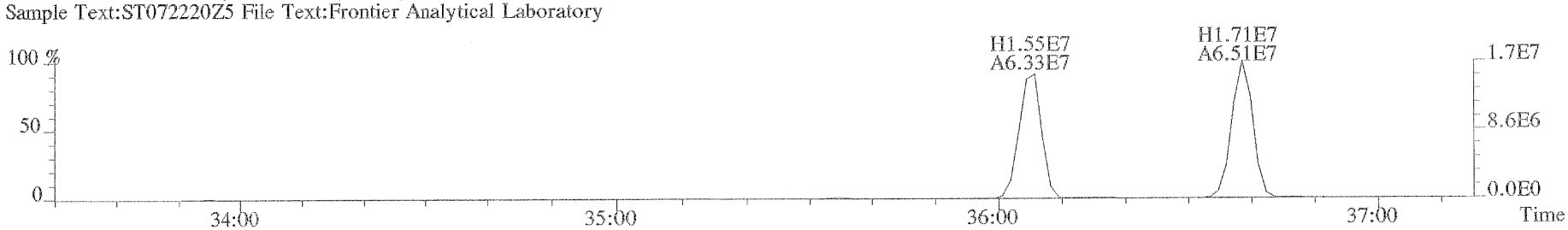
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



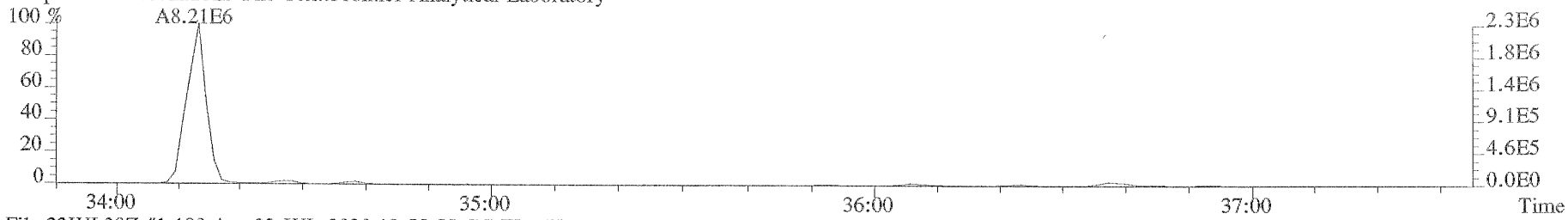
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



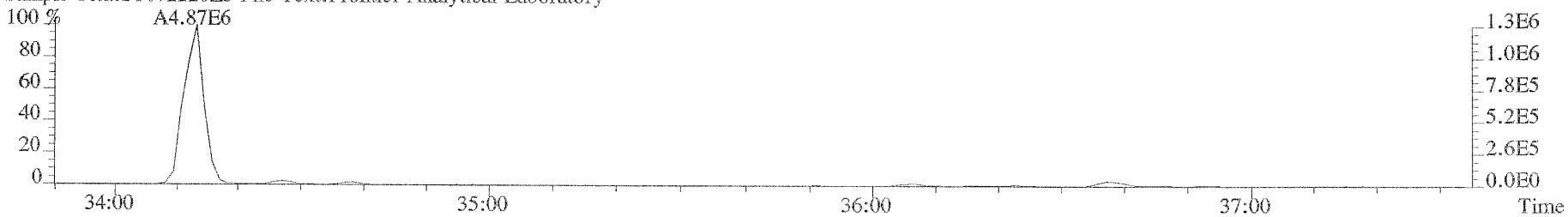
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



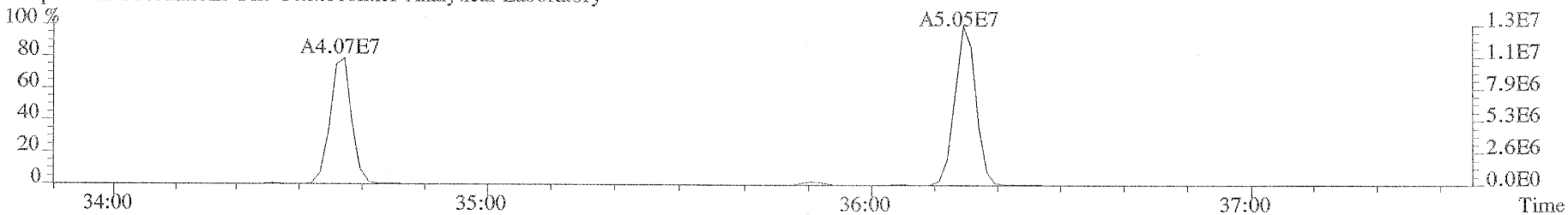
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



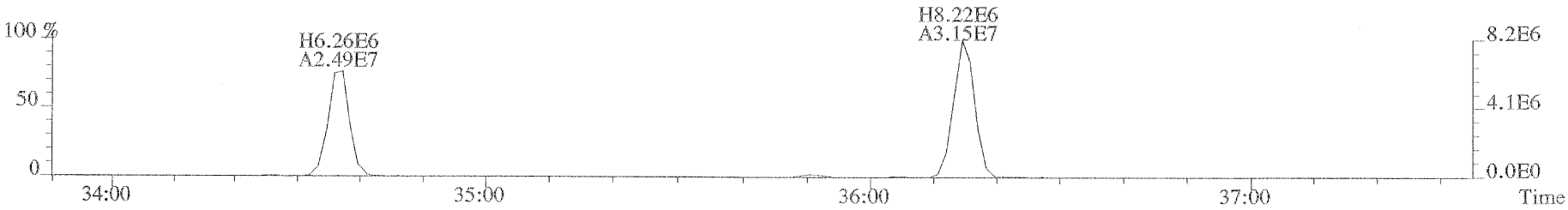
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



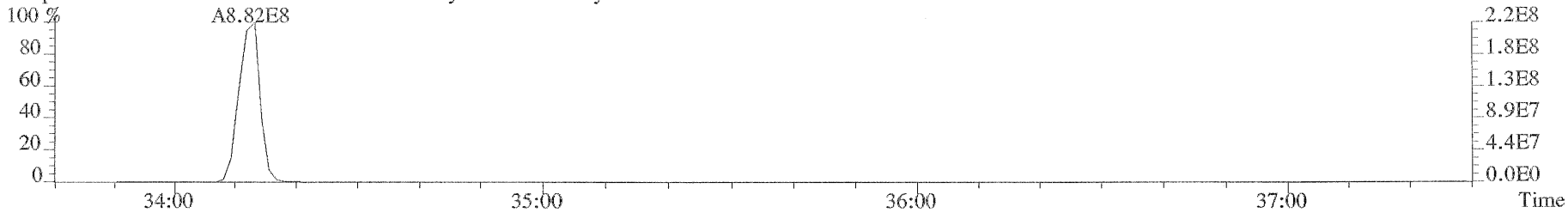
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



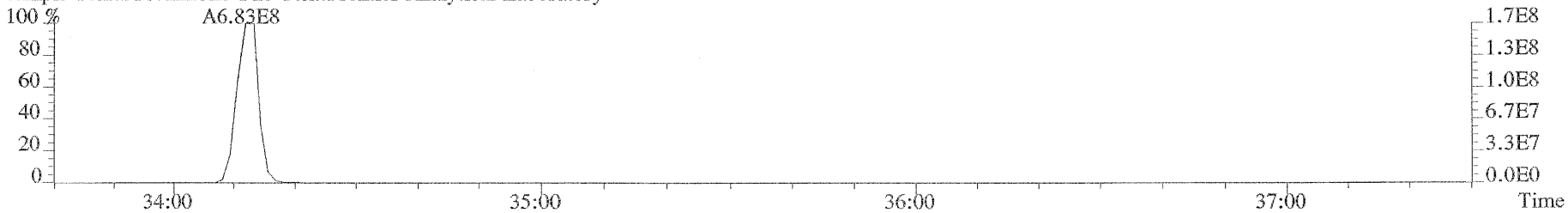
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



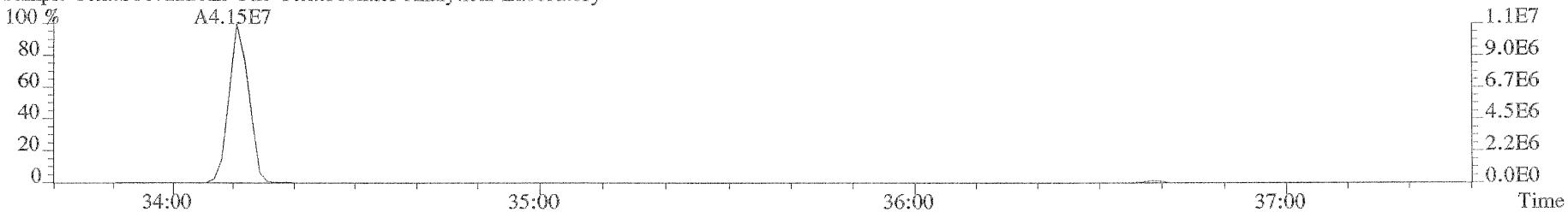
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



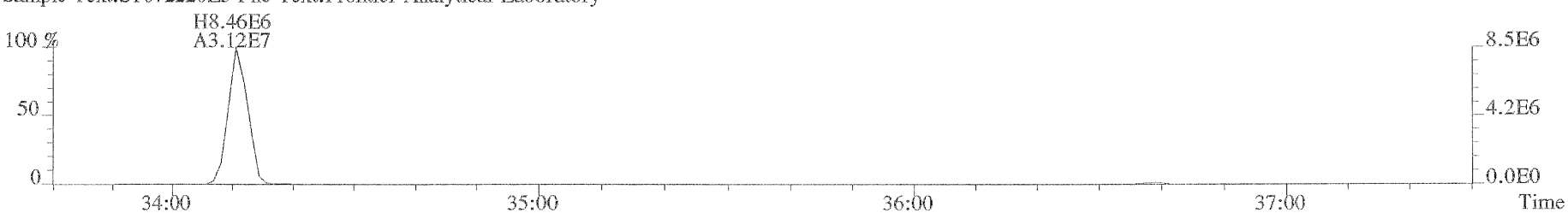
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



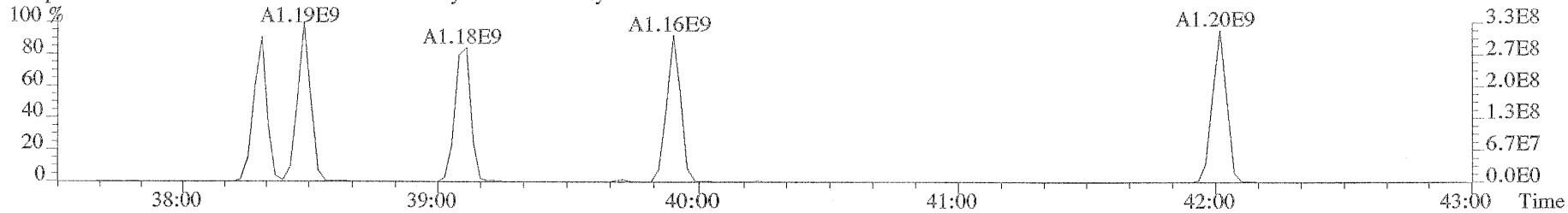
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



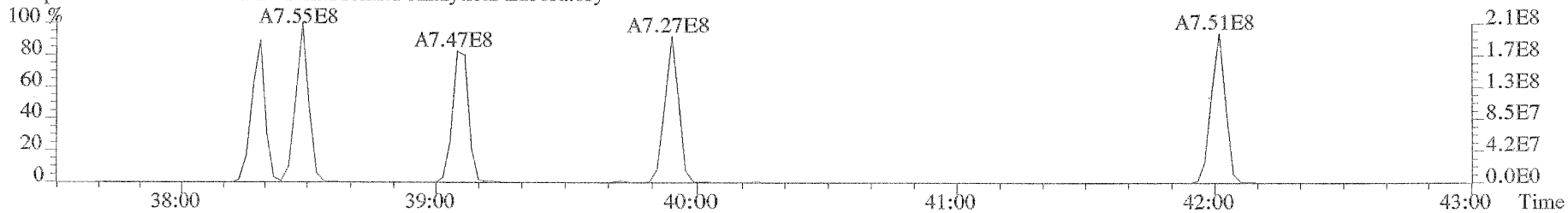
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



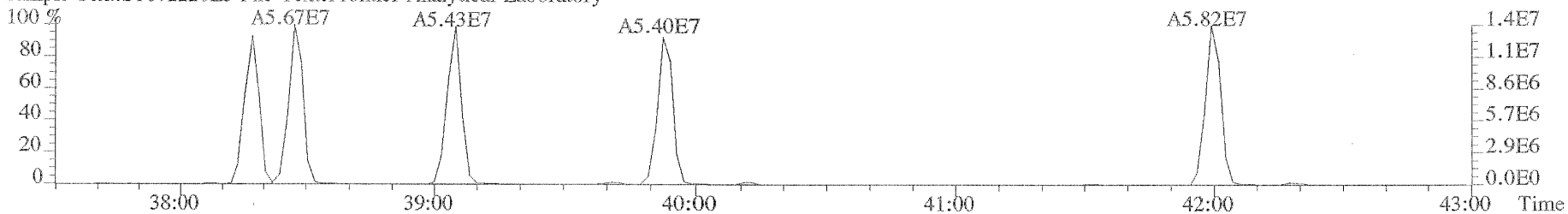
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



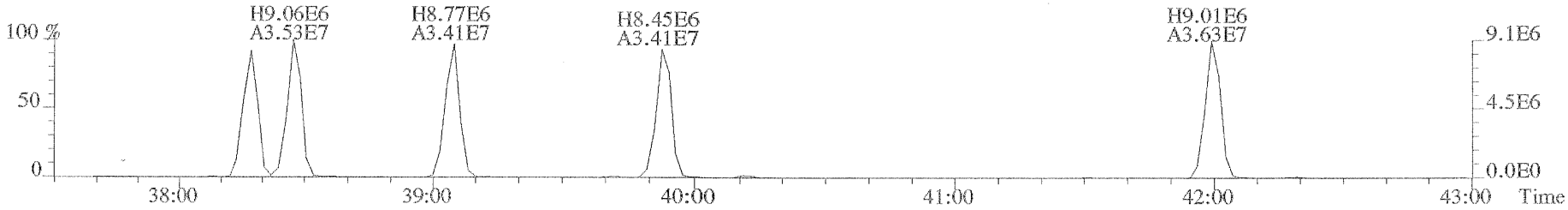
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



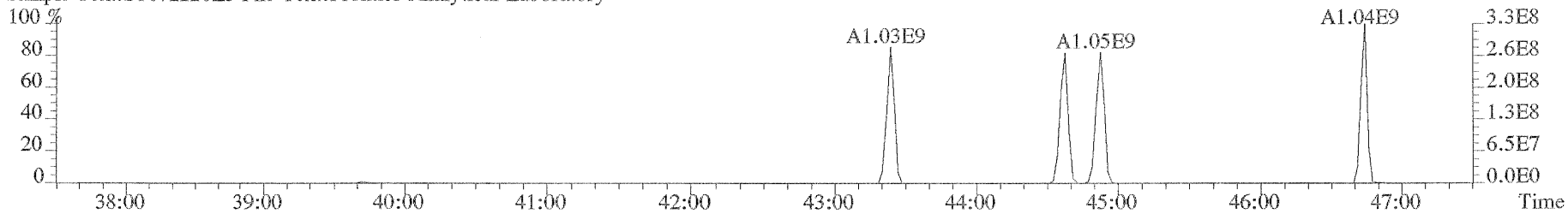
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



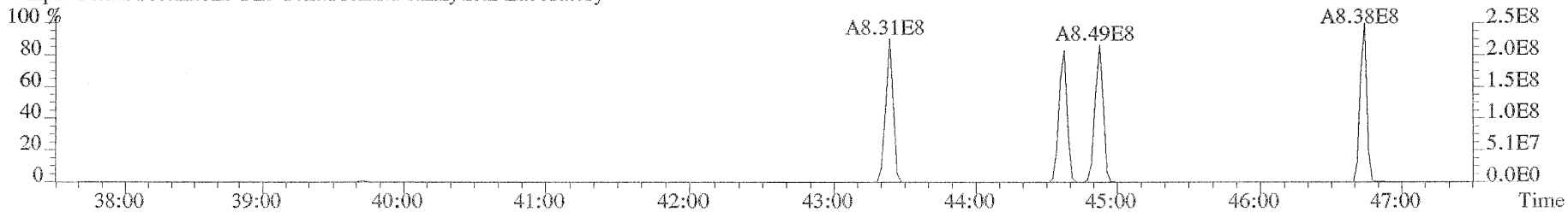
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



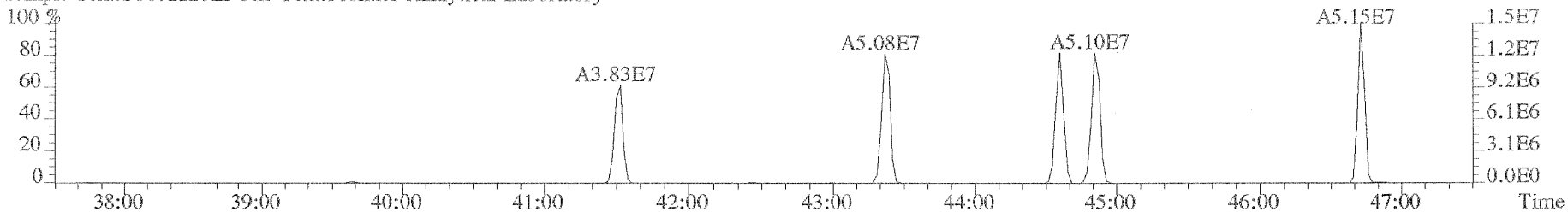
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



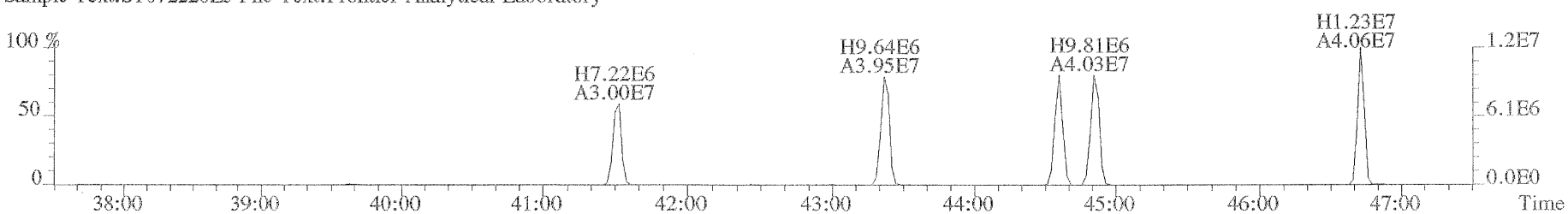
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



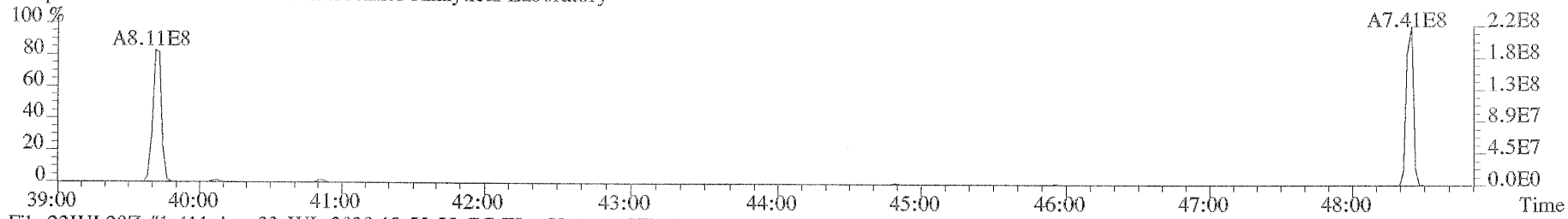
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



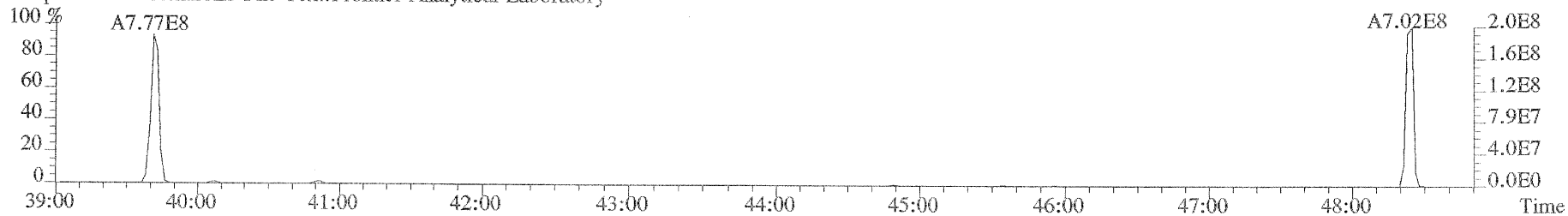
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



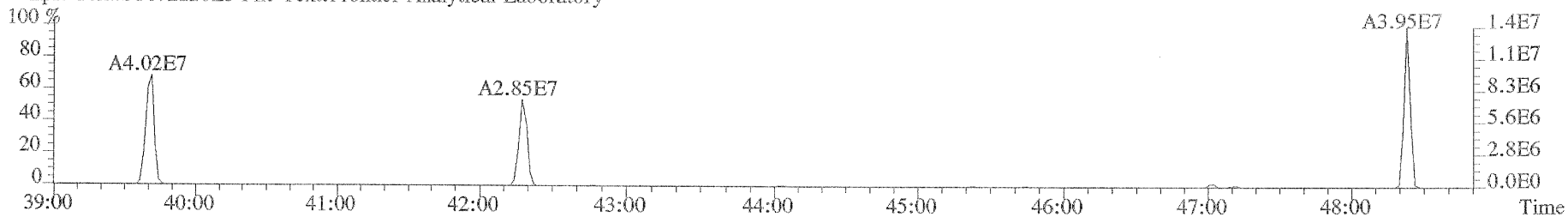
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



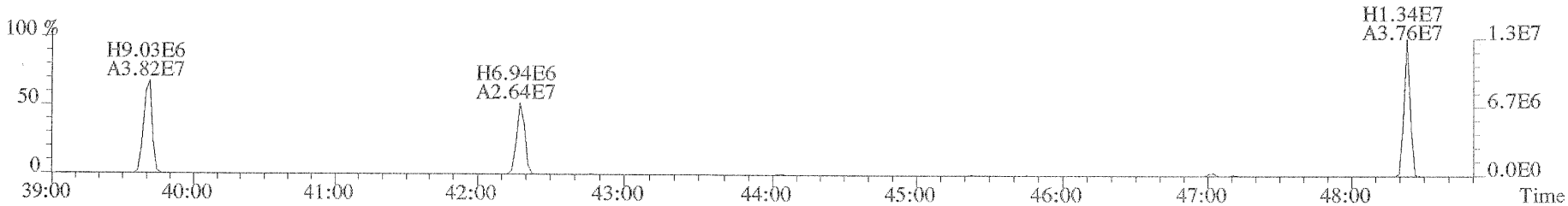
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



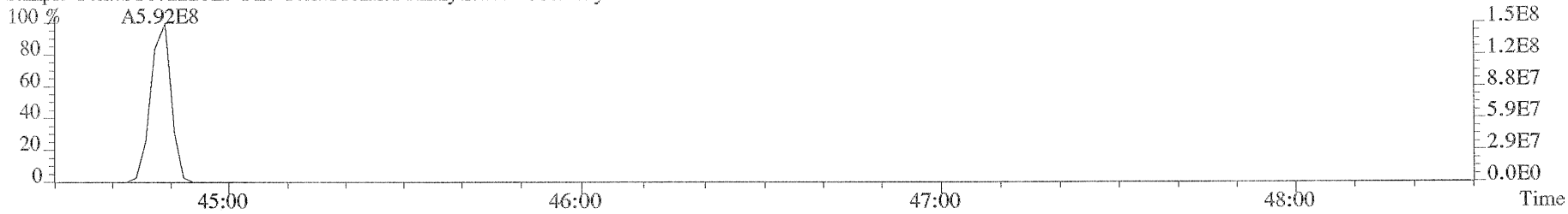
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



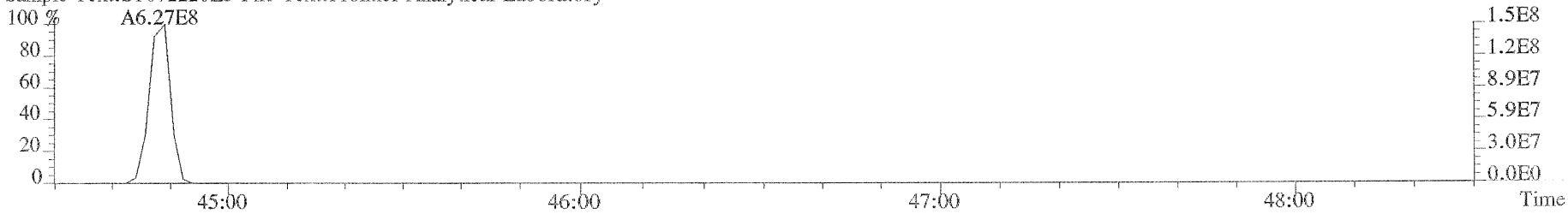
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



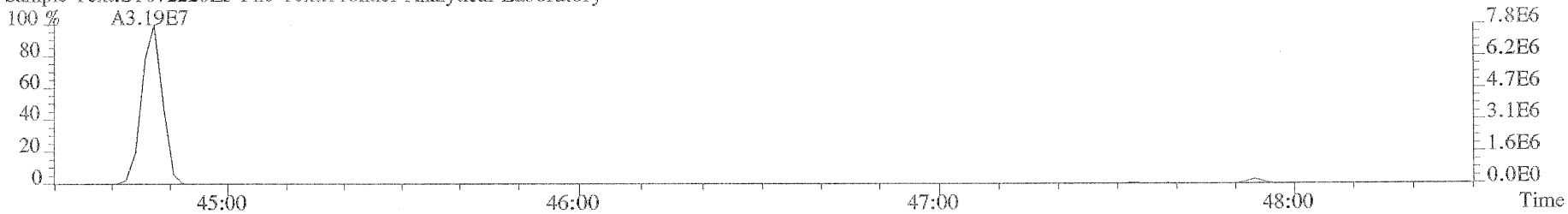
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



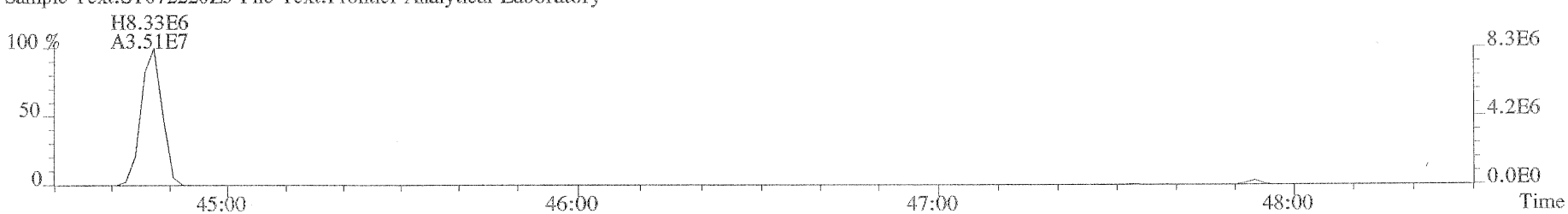
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



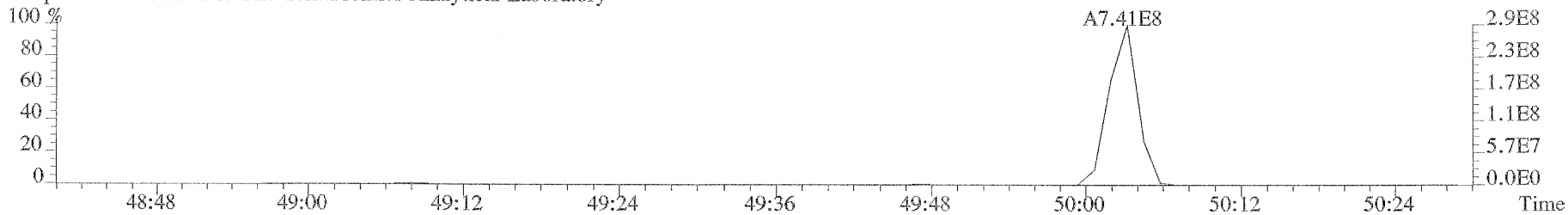
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



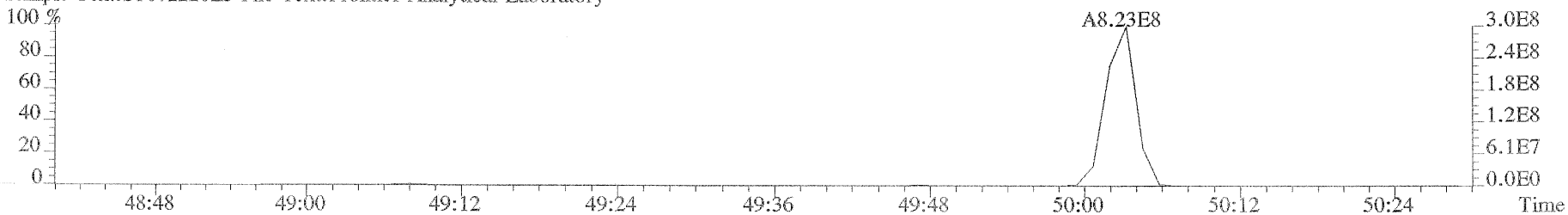
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



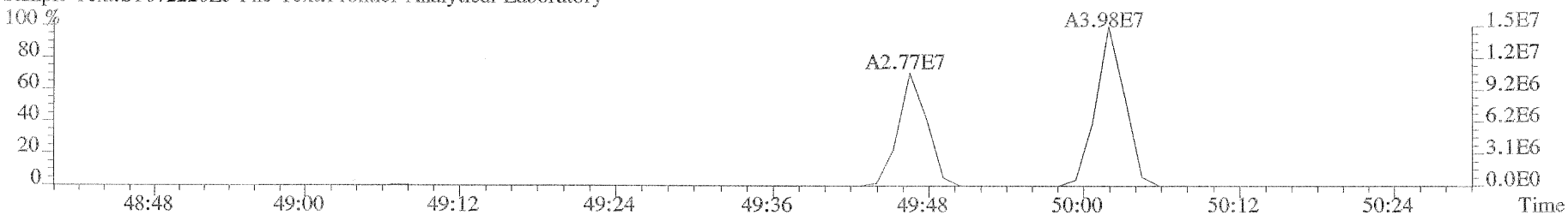
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



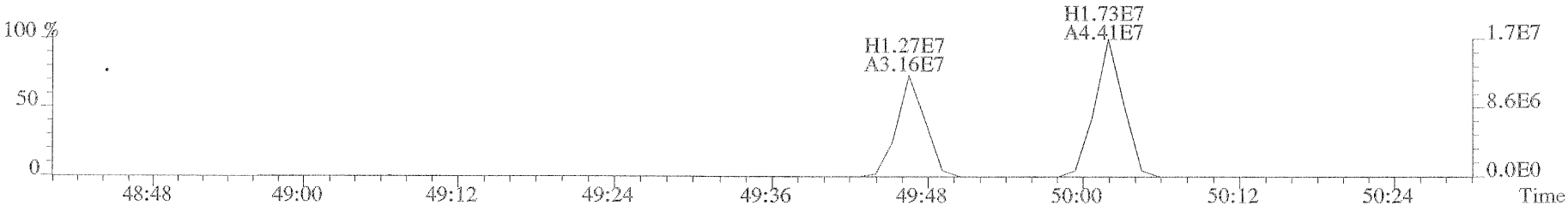
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



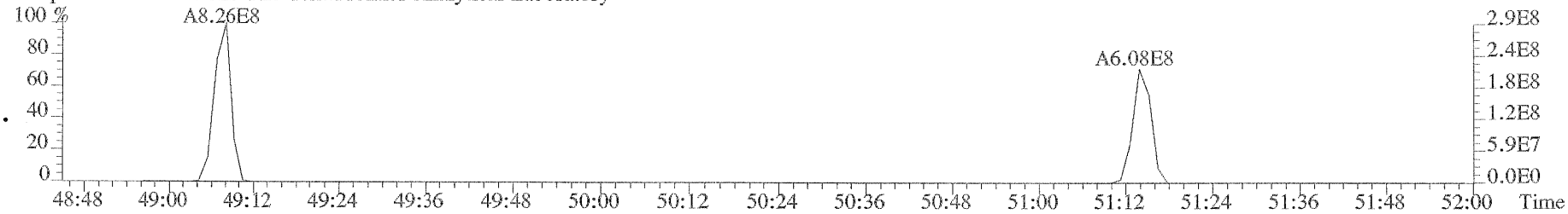
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



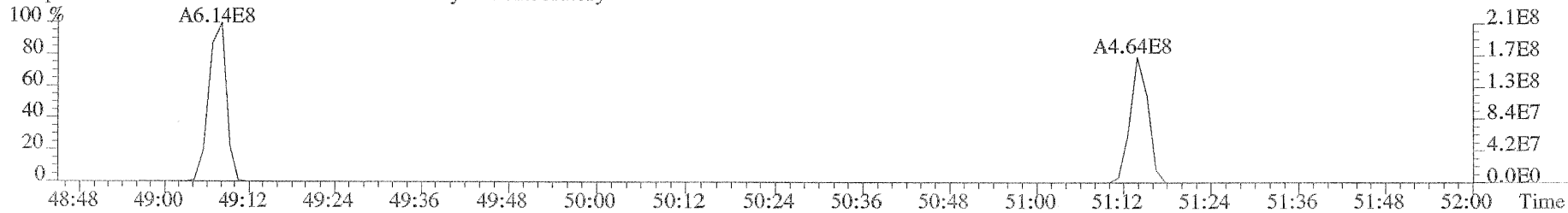
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



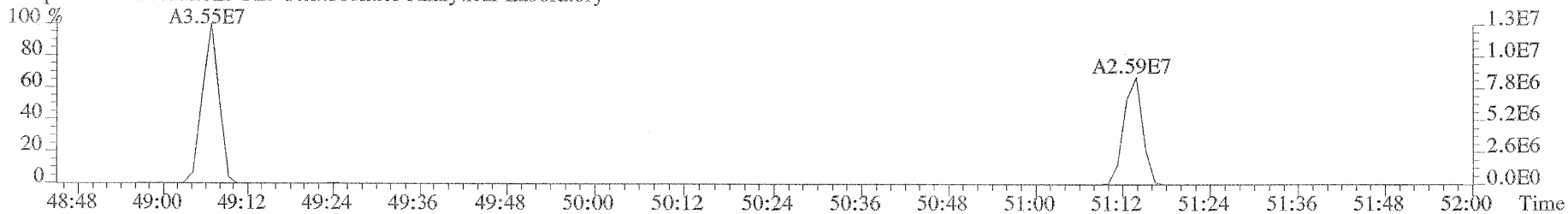
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



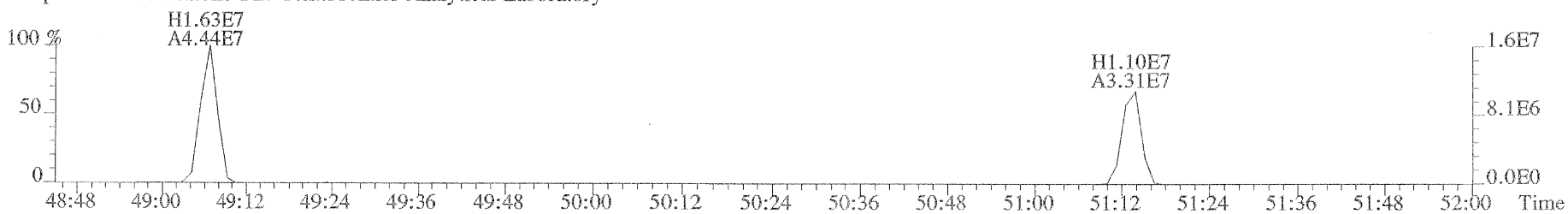
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



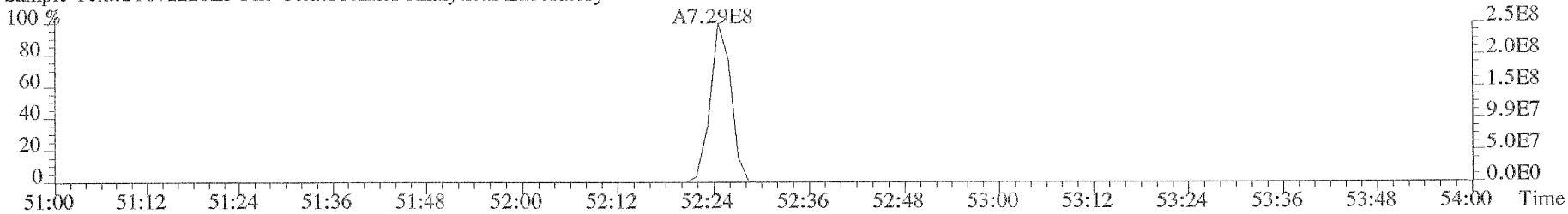
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



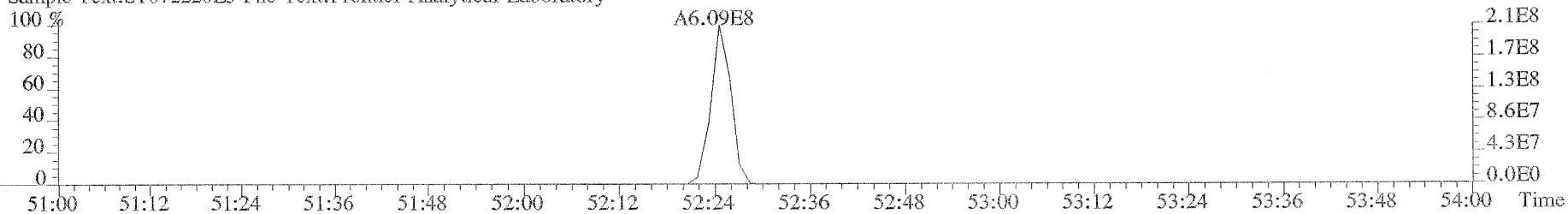
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



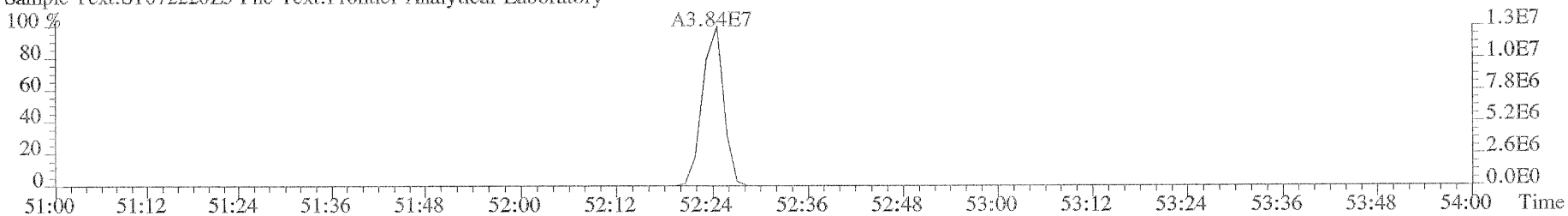
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



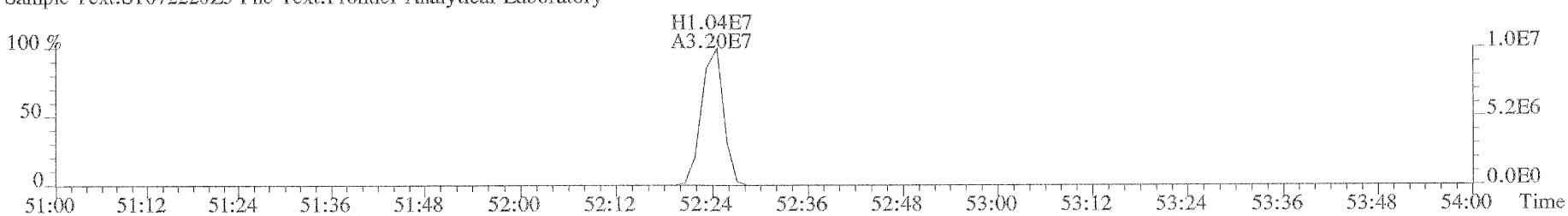
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



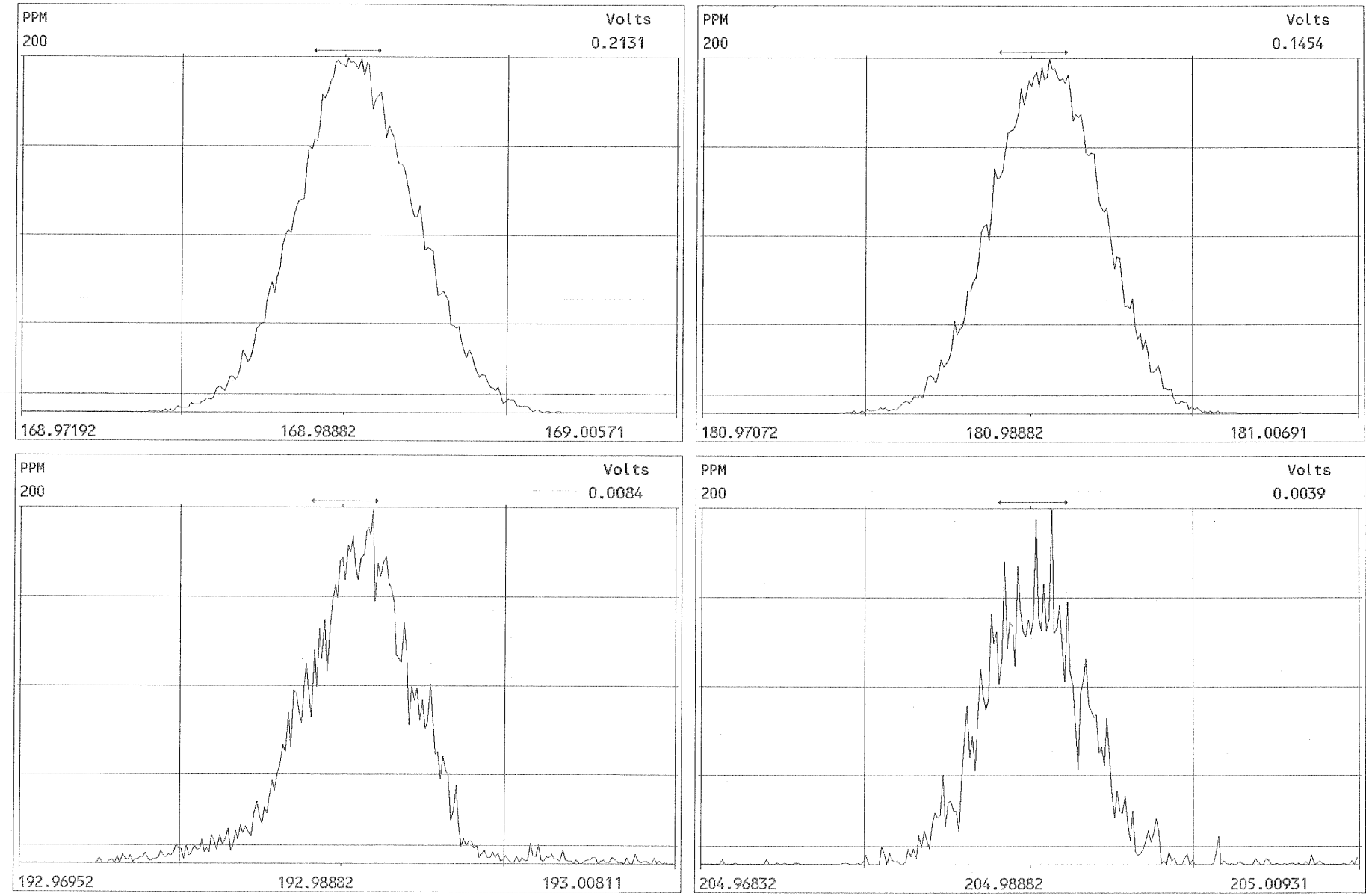
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

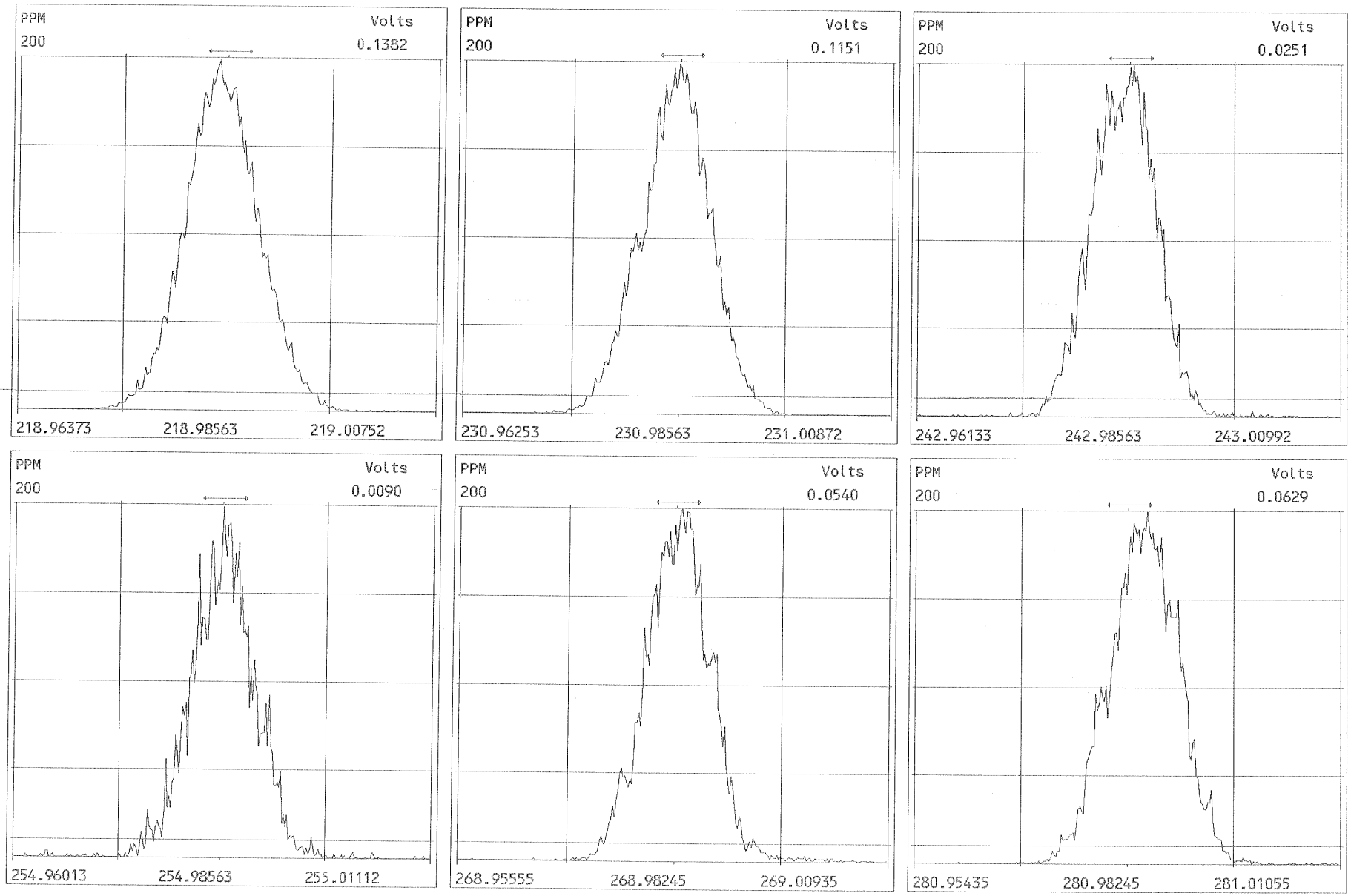


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

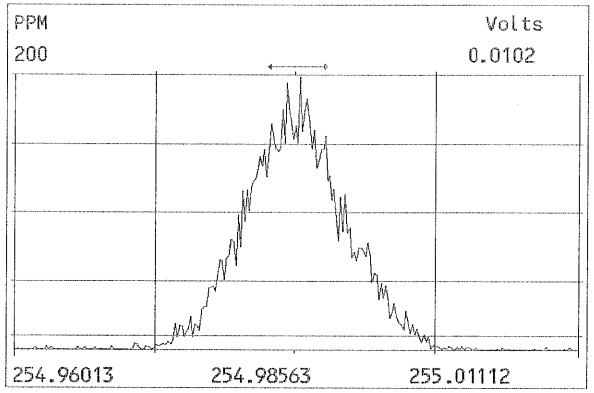


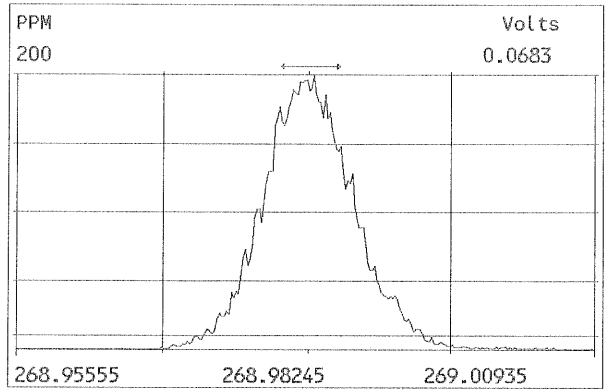
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

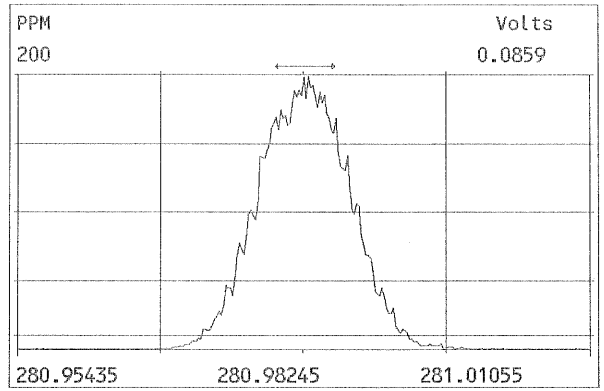
Experiment:1668PCB Function:2 Reference:PFK 98

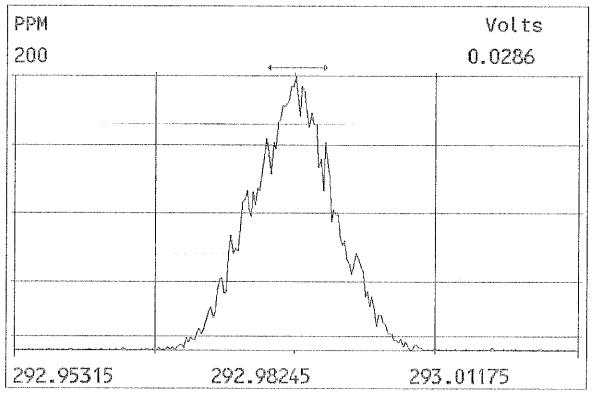


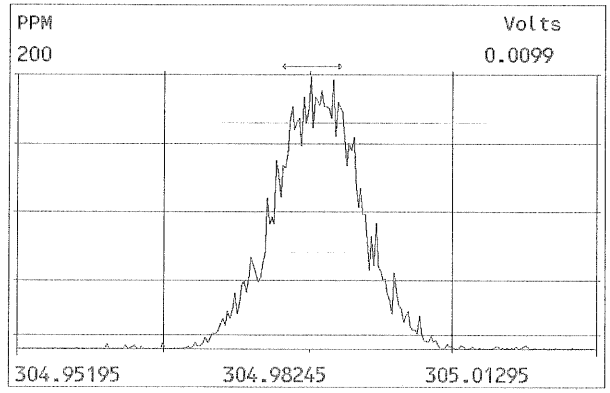
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

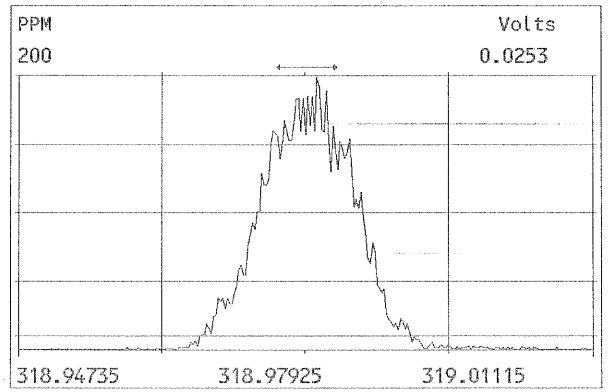


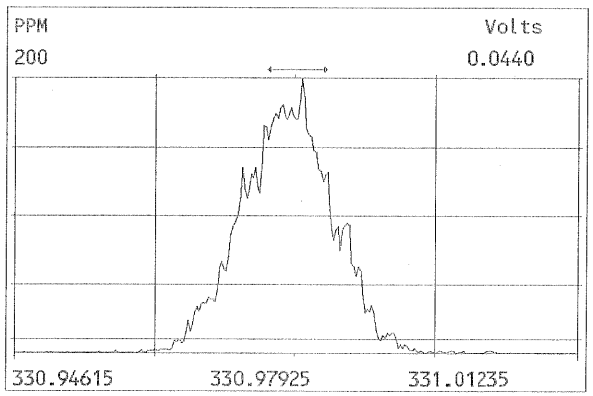


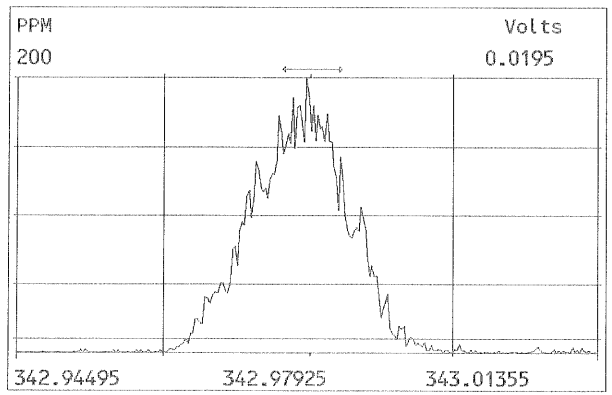






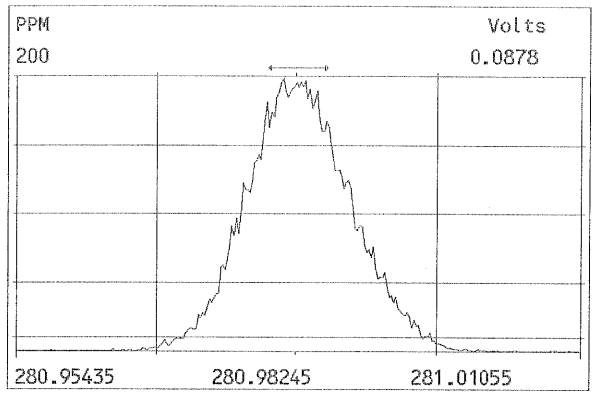


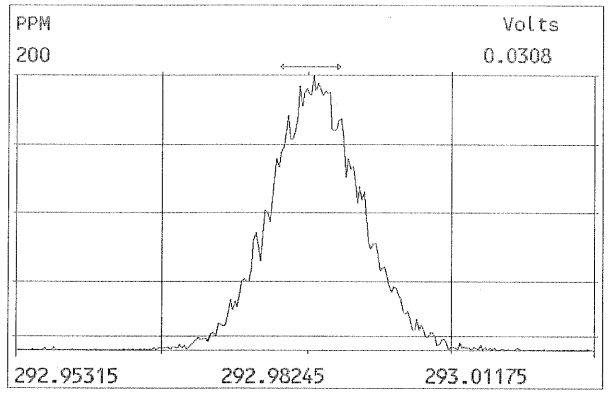


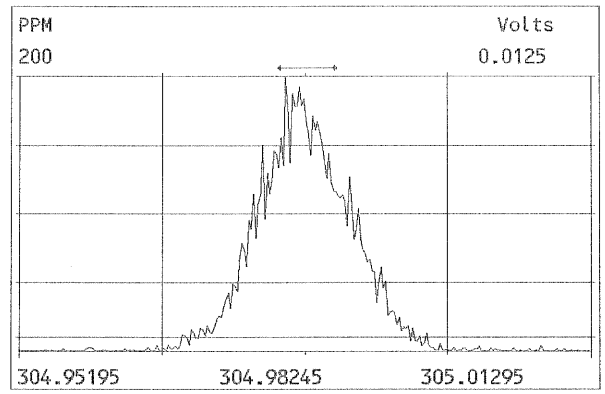


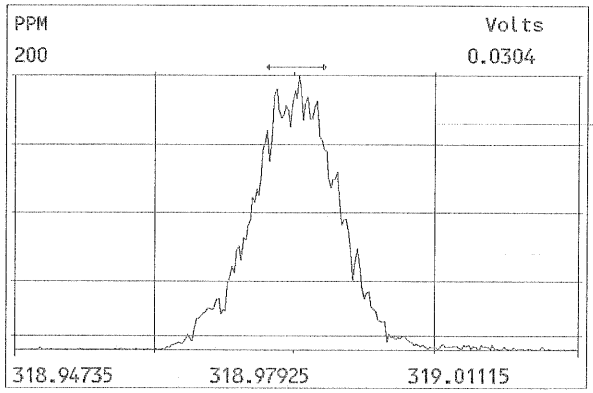
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

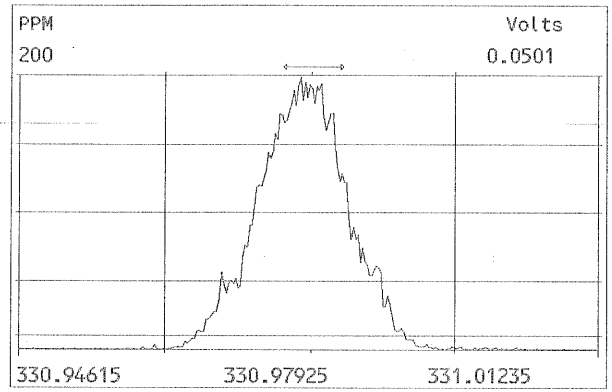
Experiment:1668PCB Function:4 Reference:PFK98

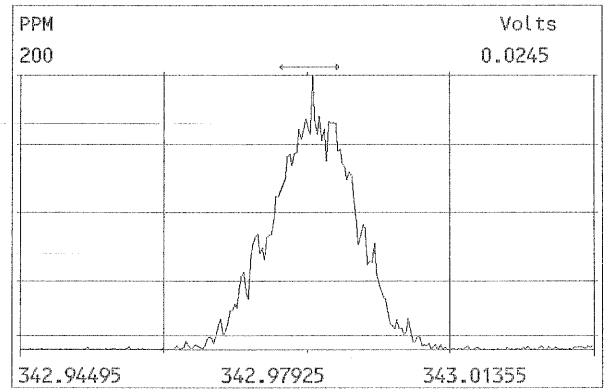


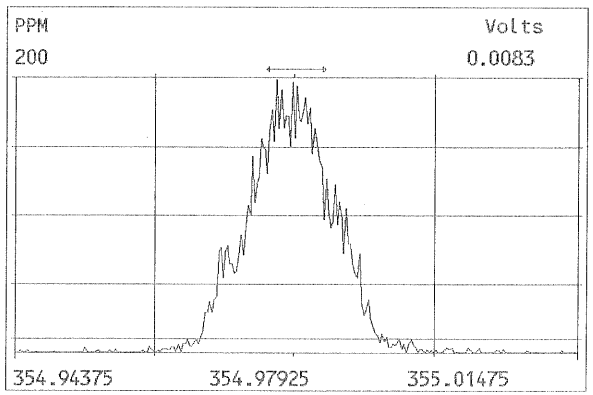


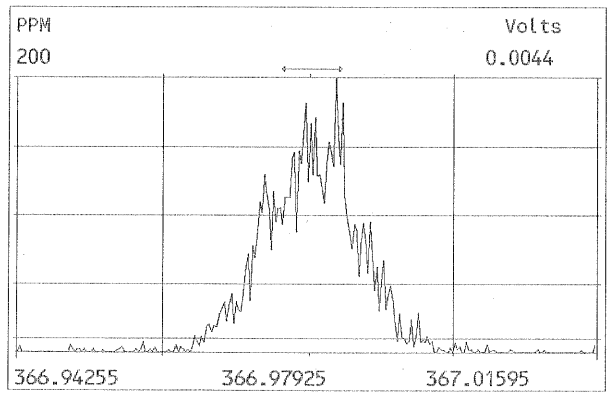


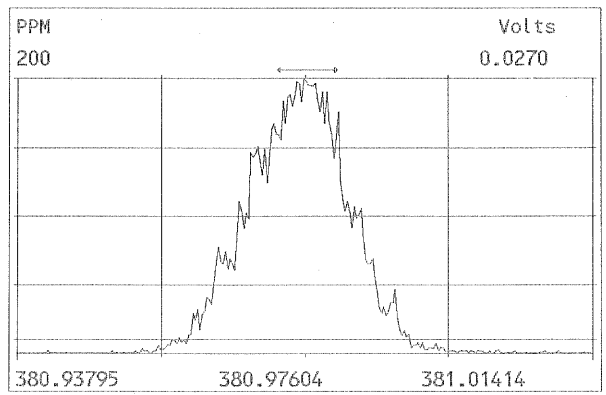




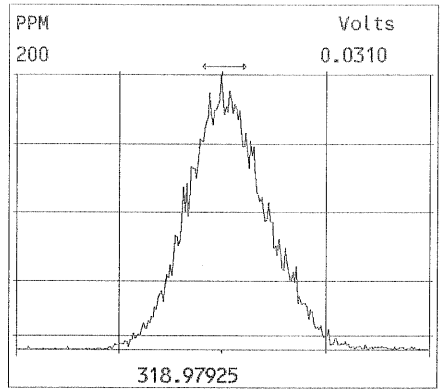


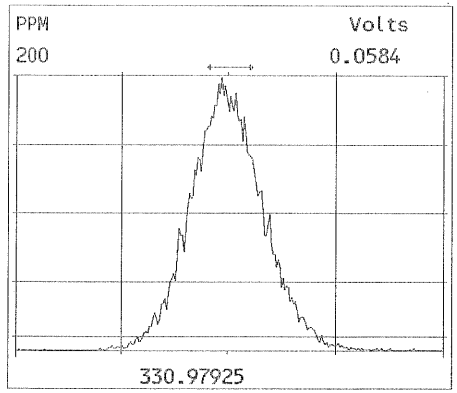


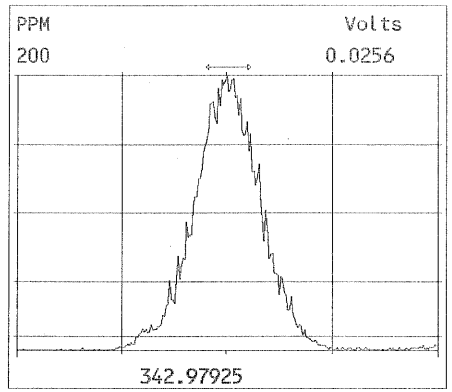


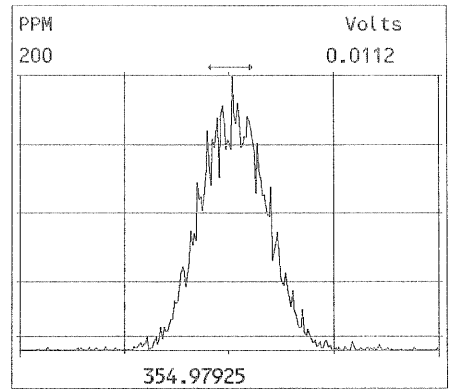


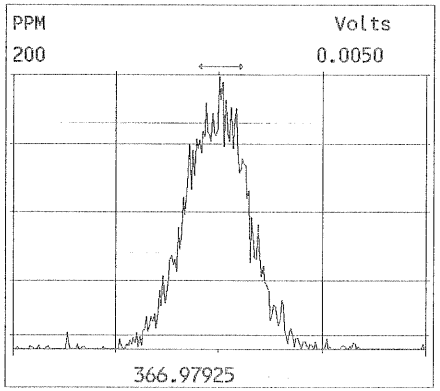
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

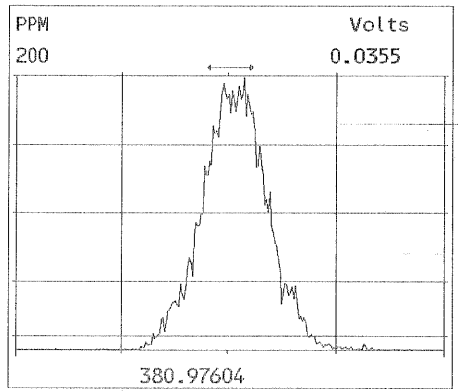


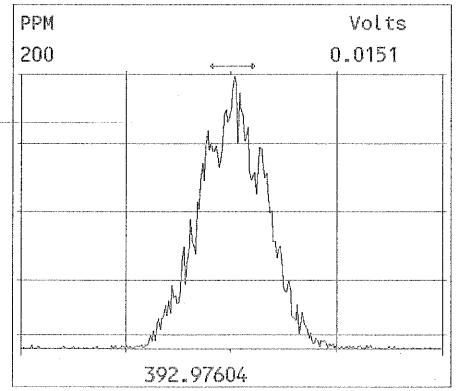


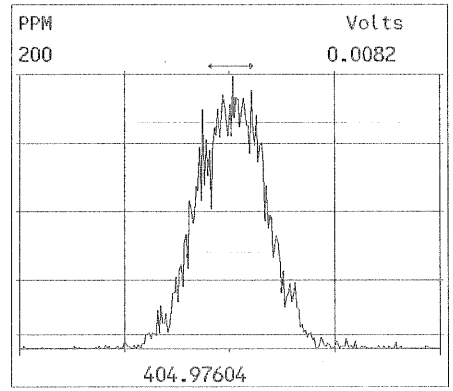


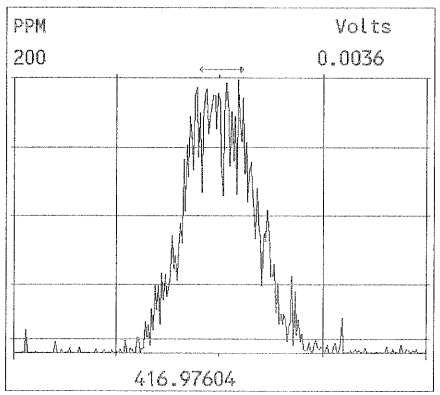


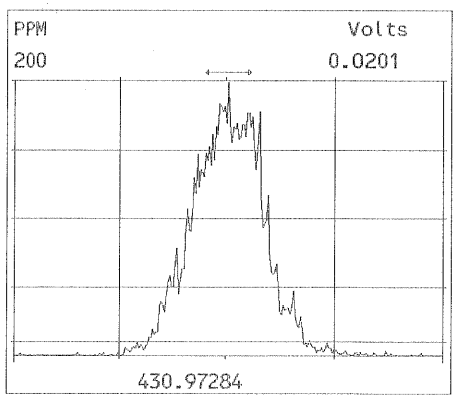


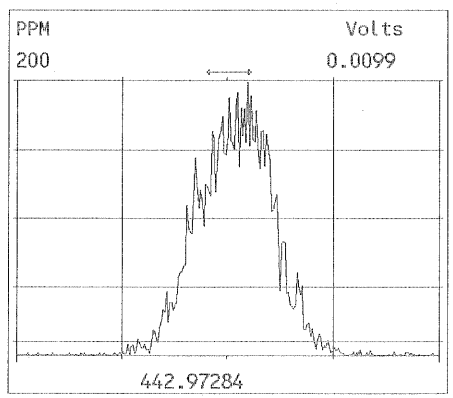




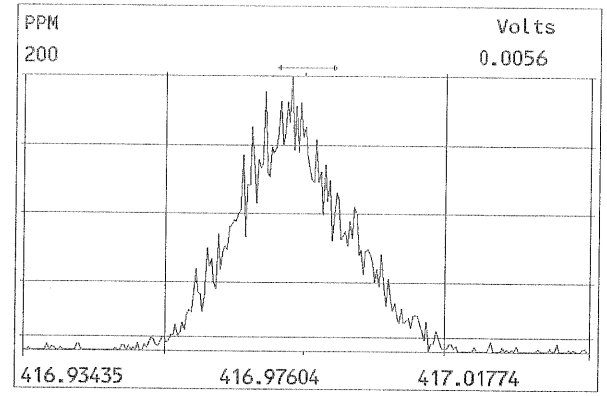


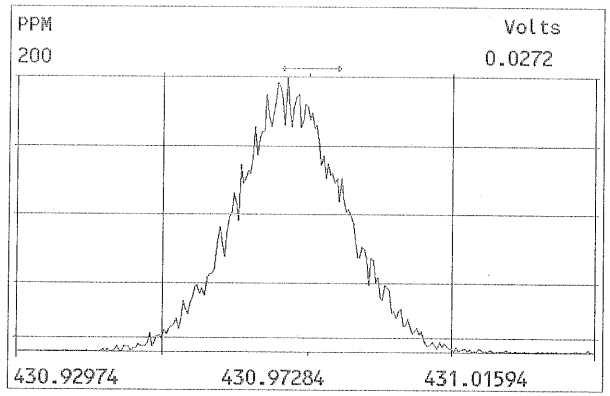


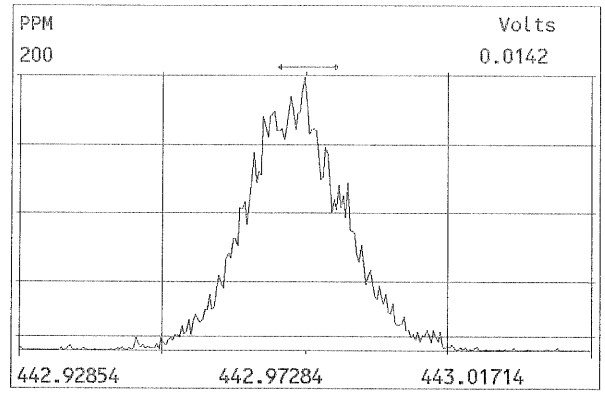


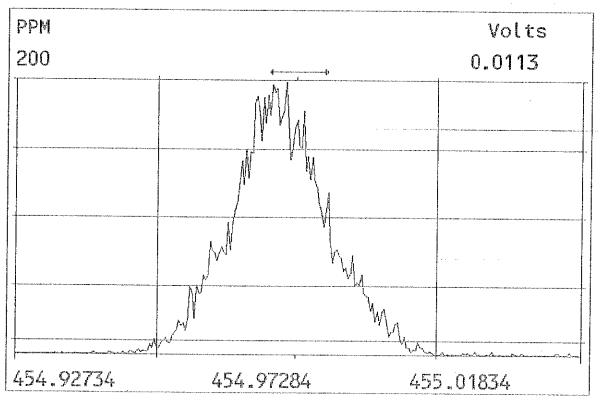


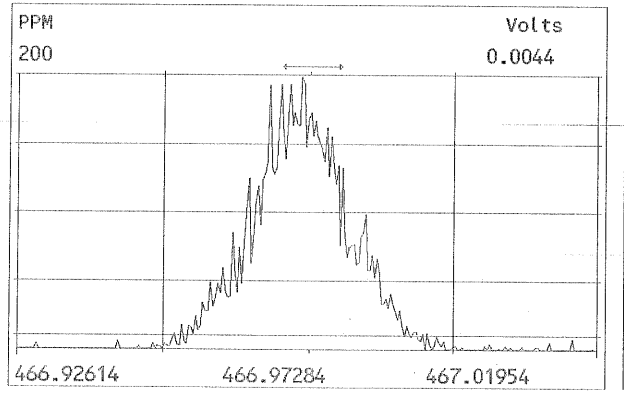
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

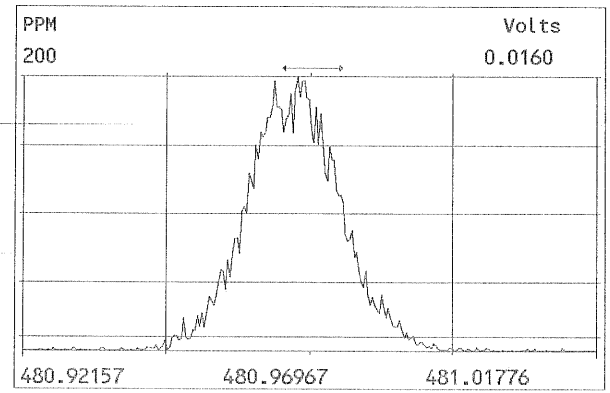


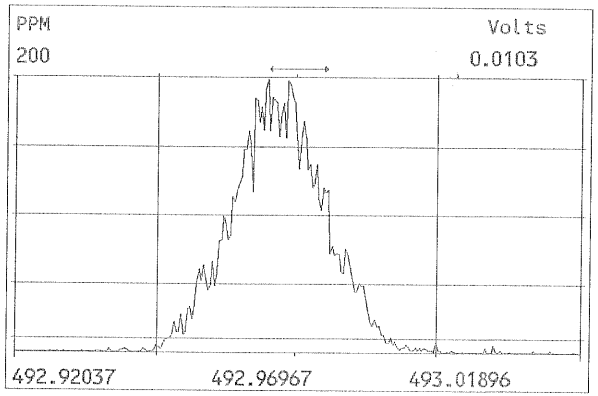


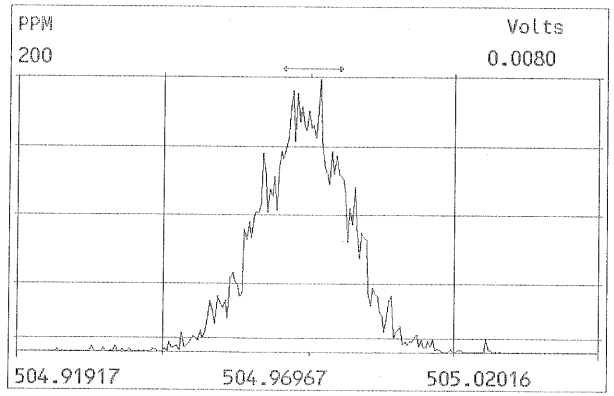


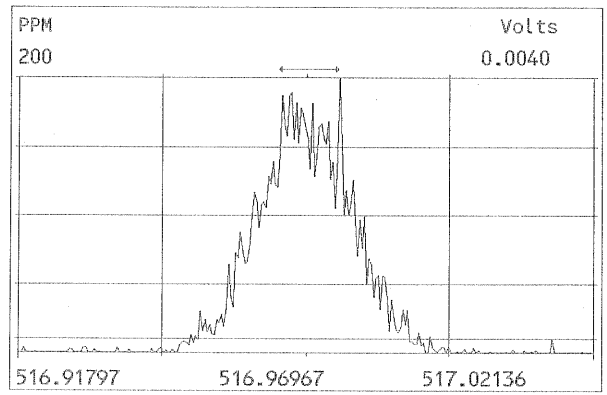












Cal: DAILY209FAL4-10-16-20

Run: 16OCT20Z Analyte: Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:16OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.4815	-	1.48	
13C-PCB-1	0.6986	-	0.70	
PCB-2	1.4786	-	1.48	
PCB-3	1.4692	-	1.47	
13C-PCB-3	0.6803	-	0.68	
PCB-4	1.0219	-	1.02	
PCB-10	1.5378	-	1.54	
13C-PCB-4	0.6676	-	0.67	
PCB-9	1.3982	-	1.40	
PCB-7	1.4659	-	1.47	
PCB-6	1.3893	-	1.39	
PCB-8	1.3975	-	1.40	
PCB-5	1.4352	-	1.44	
PCB-14	1.3912	-	1.39	
PCB-11	1.3009	-	1.30	
PCB-13	1.3535	-	1.35	
PCB-12	1.3147	-	1.31	
PCB-15	1.2302	-	1.23	
13C-PCB-15	0.9923	-	0.99	
PCB-19	1.3735	-	1.37	
PCB-30	1.9977	-	2.00	
PCB-18	1.4199	-	1.42	
PCB-17	1.5189	-	1.52	
PCB-27	1.9681	-	1.97	
PCB-24	1.9723	-	1.97	
PCB-16	1.6961	-	1.70	
PCB-32	1.7699	-	1.77	
13C-PCB-19	0.3706	-	0.37	
13C-PCB-9	-	-	-	
PCB-34	1.1989	-	1.20	
PCB-23	1.1590	-	1.16	
PCB-29	1.2130	-	1.21	
PCB-26	1.1801	-	1.18	
PCB-25	1.1363	-	1.14	
PCB-31	1.1586	-	1.16	
PCB-28	1.4449	-	1.44	
PCB-20	1.1846	-	1.18	Co-elute PCB 21/33
PCB-21	1.1846	-	1.18	Co-elute PCB 20/33
PCB-33	1.1846	-	1.18	Co-elute PCB 20/21
PCB-22	1.2904	-	1.29	
PCB-36	1.2047	-	1.20	
PCB-39	1.2397	-	1.24	
PCB-38	1.2287	-	1.23	
PCB-35	1.1641	-	1.16	
PCB-37	1.2111	-	1.21	
13C-PCB-37	1.8313	-	1.83	

PCB-54	1.4071	-	1.41	
PCB-50	1.1217	-	1.12	
PCB-53	1.1055	-	1.11	
PCB-51	1.1548	-	1.15	
PCB-45	0.9722	-	0.97	
PCB-46	0.9391	-	0.94	
PCB-52	1.1539	-	1.15	Co-elute PCB 69
PCB-69	1.1539	-	1.15	Co-elute PCB 52
PCB-73	1.5178	-	1.52	
PCB-43	1.0638	-	1.06	Co-elute PCB 49
PCB-49	1.0638	-	1.06	Co-elute PCB 43
PCB-47	1.1350	-	1.13	
PCB-48	1.3562	-	1.36	Co-elute PCB 75
PCB-75	1.3562	-	1.36	Co-elute PCB 48
PCB-65	1.4497	-	1.45	
PCB-62	1.2830	-	1.28	
PCB-44	0.9241	-	0.92	
PCB-42	1.1952	-	1.20	Co-elute PCB 59
PCB-59	1.1952	-	1.20	Co-elute PCB 42
PCB-72	1.3575	-	1.36	Co-elute PCB 41/71/64
PCB-41	1.3575	-	1.36	Co-elute PCB 72/71/64
PCB-71	1.3575	-	1.36	Co-elute PCB 72/41/64
PCB-64	1.3575	-	1.36	Co-elute PCB 72/41/71
PCB-68	1.5545	-	1.55	
PCB-40	0.8689	-	0.87	
PCB-57	1.4604	-	1.46	
PCB-67	1.4648	-	1.46	
PCB-58	1.4536	-	1.45	
PCB-63	1.4905	-	1.49	
PCB-74	1.4806	-	1.48	
PCB-61	1.3359	-	1.34	Co-elute PCB 70
PCB-70	1.3359	-	1.34	Co-elute PCB 61
PCB-76	1.5344	-	1.53	Co-elute PCB 66
PCB-66	1.5344	-	1.53	Co-elute PCB 76
PCB-80	1.7415	-	1.74	
PCB-55	1.5160	-	1.52	
13C-PCB-54	1.1269	-	1.13	
PCB-104	1.2594	-	1.26	
PCB-96	1.2320	-	1.23	
PCB-103	1.0491	-	1.05	
PCB-100	1.0534	-	1.05	
PCB-94	0.8876	-	0.89	
PCB-98	0.8978	-	0.90	Co-elute PCB 102
PCB-102	0.8978	-	0.90	Co-elute PCB 98
PCB-95	0.9483	-	0.95	
PCB-93	0.9439	-	0.94	
PCB-88	0.9803	-	0.98	Co-elute PCB 91
PCB-91	0.9803	-	0.98	Co-elute PCB 88
PCB-121	1.2500	-	1.25	
13C-PCB-104	0.7373	-	0.74	
13C-PCB-28	2.1691	-	2.17	
13C-PCB-52	-	-	-	

PCB-56	1.2218	-	1.22	Co-elute PCB 60
PCB-60	1.2218	-	1.22	Co-elute PCB 56
PCB-79	1.2904	-	1.29	
PCB-78	1.2650	-	1.26	
PCB-81	1.3384	-	1.34	
13C-PCB-81	1.7650	-	1.76	
PCB-77	1.1786	-	1.18	
13C-PCB-77	1.8377	-	1.84	
PCB-155	1.1619	-	1.16	
PCB-150	1.1259	-	1.13	
PCB-152	1.1121	-	1.11	
PCB-145	1.1223	-	1.12	
PCB-136	1.0709	-	1.07	
PCB-148	0.8696	-	0.87	
PCB-154	0.9442	-	0.94	
13C-PCB-155	0.9812	-	0.98	
13C-PCB-111	1.2560	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.6461	-	0.65	Co-elute PCB 92
PCB-92	0.6461	-	0.65	Co-elute PCB 84
PCB-89	0.6439	-	0.64	
PCB-90	0.7130	-	0.71	Co-elute PCB 101
PCB-101	0.7130	-	0.71	Co-elute PCB 90
PCB-113	0.7975	-	0.80	
PCB-99	0.8155	-	0.82	
PCB-119	0.9315	-	0.93	
PCB-83	0.7324	-	0.73	Co-elute PCB 112
PCB-112	0.7324	-	0.73	Co-elute PCB 83
PCB-109	0.8749	-	0.87	
PCB-97	0.6320	-	0.63	
PCB-86	0.6136	-	0.61	
PCB-125	0.8450	-	0.84	Co-elute PCB 87/117
PCB-87	0.8450	-	0.84	Co-elute PCB 125/117
PCB-117	0.8450	-	0.84	Co-elute PCB 125/87
PCB-111	0.9166	-	0.92	Co-elute PCB 115
PCB-115	0.9166	-	0.92	Co-elute PCB 111
PCB-85	0.7823	-	0.78	Co-elute PCB 116
PCB-116	0.7823	-	0.78	Co-elute PCB 85
PCB-120	0.9773	-	0.98	
PCB-110	0.9094	-	0.91	
PCB-82	0.5672	-	0.57	
PCB-124	1.1697	-	1.17	
PCB-108	1.1705	-	1.17	Co-elute PCB 107
PCB-107	1.1705	-	1.17	Co-elute PCB 108
PCB-123	1.1264	-	1.13	
13C-PCB-123	1.4176	-	1.42	
PCB-118	1.1511	-	1.15	Co-elute PCB 106
PCB-106	1.1511	-	1.15	Co-elute PCB 118
13C-PCB-118	1.5677	-	1.57	
PCB-114	1.2005	-	1.20	
13C-PCB-114	1.5484	-	1.55	
PCB-122	1.2054	-	1.21	
PCB-105	1.2105	-	1.21	
13C-PCB-105	1.5160	-	1.52	
PCB-127	1.1281	-	1.13	
PCB-126	1.1724	-	1.17	
13C-PCB-126	1.4056	-	1.41	

PCB-151	1.0436	-	1.04	
PCB-135	1.0280	-	1.03	
PCB-144	1.0769	-	1.08	
PCB-147	1.1003	-	1.10	
PCB-139	1.1115	-	1.11	Co-elute PCB 149
PCB-149	1.1115	-	1.11	Co-elute PCB 139
PCB-140	1.1206	-	1.12	
PCB-143	0.9466	-	0.95	Co-elute PCB 134
PCB-134	0.9466	-	0.95	Co-elute PCB 143
PCB-131	0.9510	-	0.95	Co-elute PCB 133
PCB-133	0.9510	-	0.95	Co-elute PCB 131
PCB-142	0.9633	-	0.96	
PCB-165	1.2434	-	1.24	Co-elute PCB 146
PCB-146	1.2434	-	1.24	Co-elute PCB 165
PCB-161	1.1657	-	1.17	Co-elute PCB 132
PCB-132	1.1657	-	1.17	Co-elute PCB 161
PCB-153	1.2510	-	1.25	
PCB-168	1.3775	-	1.38	
PCB-141	1.0613	-	1.06	
PCB-137	1.0529	-	1.05	
PCB-130	0.9394	-	0.94	
PCB-138	1.2409	-	1.24	Co-elute PCB 163/164
PCB-163	1.2409	-	1.24	Co-elute PCB 138/164
PCB-164	1.2409	-	1.24	Co-elute PCB 138/163
PCB-158	1.3774	-	1.38	Co-elute PCB 160
PCB-160	1.3774	-	1.38	Co-elute PCB 158
PCB-129	0.9029	-	0.90	
PCB-166	1.3411	-	1.34	
PCB-159	1.3873	-	1.39	
PCB-128	1.1649	-	1.16	Co-elute PCB 162
PCB-162	1.1649	-	1.16	Co-elute PCB 128
PCB-167	1.2562	-	1.26	
13C-PCB-167	1.1339	-	1.13	
PCB-156	1.3169	-	1.32	
13C-PCB-156	1.0796	-	1.08	
PCB-157	1.2687	-	1.27	
13C-PCB-157	1.0985	-	1.10	
PCB-169	1.2284	-	1.23	
13C-PCB-169	1.0383	-	1.04	
PCB-188	1.2033	-	1.20	
13C-PCB-188	0.8991	-	0.90	

PCB-184	1.3475	-	1.35	
PCB-179	1.3223	-	1.32	
PCB-176	1.2655	-	1.27	
PCB-186	1.2566	-	1.26	
PCB-178	0.9133	-	0.91	
PCB-175	0.9547	-	0.95	
PCB-187	1.0194	-	1.02	Co-elute PCB 182
PCB-182	1.0194	-	1.02	Co-elute PCB 187
PCB-183	1.0187	-	1.02	
PCB-185	0.9394	-	0.94	
PCB-174	0.9978	-	1.00	
PCB-181	0.8836	-	0.88	
PCB-177	0.8639	-	0.86	
PCB-171	0.9259	-	0.93	
PCB-173	0.8282	-	0.83	
PCB-172	0.8498	-	0.85	
PCB-192	1.1215	-	1.12	
PCB-180	0.8816	-	0.88	
PCB-193	1.2076	-	1.21	
PCB-191	1.1563	-	1.16	
PCB-170	0.8801	-	0.88	
PCB-190	1.1363	-	1.14	
PCB-189	1.1994	-	1.20	
13C-PCB-189	0.7363	-	0.74	
PCB-202	1.1237	-	1.12	
PCB-201	1.2780	-	1.28	
PCB-204	1.2400	-	1.24	
PCB-197	1.2899	-	1.29	
PCB-200	1.2791	-	1.28	
PCB-198	0.9631	-	0.96	
PCB-199	0.9272	-	0.93	
PCB-203	0.9836	-	0.98	Co-elute PCB 196
PCB-196	0.9836	-	0.98	Co-elute PCB 203
13C-PCB-202	0.5534	-	0.55	
13C-PCB-178	0.6609	-	0.66	
13C-PCB-138	-	-	-	
PCB-195	0.9063	-	0.91	
PCB-194	0.9304	-	0.93	
PCB-205	1.1404	-	1.14	
13C-PCB-205	1.2379	-	1.24	
PCB-208	1.1325	-	1.13	
13C-PCB-208	1.0803	-	1.08	
PCB-207	1.3056	-	1.31	
PCB-206	1.1718	-	1.17	
13C-PCB-206	0.7747	-	0.77	
PCB-209	1.2663	-	1.27	
13C-PCB-209	0.7343	-	0.73	
13C-PCB-194	-	-	-	

Analyst: _____ Date: 10/16/86

Run #1 Filename 16OCT20Z S: 1 Acquired: 16-OCT-20 07:48:25 Cal: DAILY209FAL4-10-16-20
Client ID: ST101620Z1 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.15e+07	3.23 y	14:28	-	1.48	
2	IS/RT	13C-PCB-1	100.00	4.26e+07	3.24 y	14:27	-	0.699	
3	Unk	PCB-2	50.00	3.10e+07	3.26 y	16:40	-	1.48	
4	Unk	PCB-3	50.00	3.04e+07	3.24 y	16:53	-	1.47	
5	IS/RT	13C-PCB-3	100.00	4.14e+07	3.29 y	16:52	-	0.680	
6	Unk	PCB-4	50.00	2.08e+07	1.48 y	18:08	-	1.02	
7	Unk	PCB-10	50.00	3.89e+07	1.60 y	18:11	-	1.54	
8	IS/RT	13C-PCB-4	100.00	4.07e+07	1.61 y	18:06	-	0.668	
9	Unk	PCB-9	50.00	3.53e+07	1.48 y	19:49	-	1.40	
10	Unk	PCB-7	50.00	3.71e+07	1.59 y	19:50	-	1.47	
11	Unk	PCB-6	50.00	3.51e+07	1.54 y	20:25	-	1.39	
12	Unk	PCB-8	50.00	3.53e+07	1.55 y	20:48	-	1.40	
13	Unk	PCB-5	50.00	3.63e+07	1.52 y	20:50	-	1.44	
14	Unk	PCB-14	50.00	3.52e+07	1.53 y	21:51	-	1.39	
15	Unk	PCB-11	50.00	3.29e+07	1.52 y	22:59	-	1.30	
16	Unk	PCB-13	50.00	3.42e+07	1.53 y	23:19	-	1.35	
17	Unk	PCB-12	50.00	3.32e+07	1.49 y	23:22	-	1.31	
18	Unk	PCB-15	50.00	3.72e+07	1.52 y	23:39	-	1.23	
19	IS/RT	13C-PCB-15	100.00	6.04e+07	1.62 y	23:38	-	0.992	
20	Unk	PCB-19	50.00	1.55e+07	1.09 y	22:01	-	1.37	
21	Unk	PCB-30	50.00	2.25e+07	1.10 y	22:51	-	2.00	
22	Unk	PCB-18	50.00	1.60e+07	1.10 y	23:33	-	1.42	
23	Unk	PCB-17	50.00	1.71e+07	1.10 y	23:44	-	1.52	
24	Unk	PCB-27	50.00	2.22e+07	1.09 y	24:16	-	1.97	
25	Unk	PCB-24	50.00	2.23e+07	1.10 y	24:17	-	1.97	
26	Unk	PCB-16	50.00	1.91e+07	1.08 y	24:45	-	1.70	
27	Unk	PCB-32	50.00	2.00e+07	1.09 y	24:46	-	1.77	
28	IS/RT	13C-PCB-19	100.00	2.26e+07	1.08 y	21:59	-	0.371	
29	RS	13C-PCB-9	100.00	6.09e+07	1.64 y	19:46	6.09e+05	-	
30	Unk	PCB-34	50.00	3.24e+07	1.01 y	25:31	-	1.20	
31	Unk	PCB-23	50.00	3.13e+07	1.03 y	25:36	-	1.16	
32	Unk	PCB-29	50.00	3.28e+07	1.02 y	25:50	-	1.21	
33	Unk	PCB-26	50.00	3.19e+07	1.02 y	26:03	-	1.18	
34	Unk	PCB-25	50.00	3.07e+07	1.00 y	26:12	-	1.14	
35	Unk	PCB-31	50.00	3.13e+07	1.01 y	26:32	-	1.16	
36	Unk	PCB-28	50.00	3.90e+07	1.02 y	26:38	-	1.44	
37	Unk	PCB-20	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.49e+07	1.04 y	27:38	-	1.29	
41	Unk	PCB-36	50.00	3.26e+07	1.03 y	28:13	-	1.20	
42	Unk	PCB-39	50.00	3.35e+07	1.03 y	28:40	-	1.24	
43	Unk	PCB-38	50.00	3.32e+07	1.04 y	29:24	-	1.23	
44	Unk	PCB-35	50.00	3.15e+07	1.03 y	29:54	-	1.16	
45	Unk	PCB-37	50.00	3.27e+07	1.03 y	30:18	-	1.21	
46	IS	13C-PCB-37	100.00	5.41e+07	1.06 y	30:17	-	1.83	

47	Unk	PCB-54	100.00	4.68e+07	0.80 y	25:34		-	1.41	
48	Unk	PCB-50	100.00	3.73e+07	0.80 y	26:40		-	1.12	
49	Unk	PCB-53	100.00	3.68e+07	0.79 y	27:16		-	1.11	
50	Unk	PCB-51	100.00	3.84e+07	0.80 y	27:37		-	1.15	
51	Unk	PCB-45	100.00	3.23e+07	0.79 y	28:01		-	0.972	
52	Unk	PCB-46	100.00	3.12e+07	0.79 y	28:28		-	0.939	
53	Unk	PCB-52	200.00	7.68e+07	0.78 y	28:56		-	1.15	Co-elute PCB 69
54	Unk	PCB-69	200.00	7.68e+07	0.78 y	28:56		-	1.15	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.05e+07	0.80 y	29:02		-	1.52	
56	Unk	PCB-43	200.00	7.08e+07	0.80 y	29:11		-	1.06	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.08e+07	0.80 y	29:11		-	1.06	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.77e+07	0.79 y	29:24		-	1.13	
59	Unk	PCB-48	200.00	9.02e+07	0.80 y	29:30		-	1.36	Co-elute PCB 75
60	Unk	PCB-75	200.00	9.02e+07	0.80 y	29:30		-	1.36	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.82e+07	0.80 y	29:45		-	1.45	
62	Unk	PCB-62	100.00	4.27e+07	0.79 y	29:52		-	1.28	
63	Unk	PCB-44	100.00	3.07e+07	0.80 y	30:09		-	0.924	
64	Unk	PCB-42	200.00	7.95e+07	0.80 y	30:22		-	1.20	Co-elute PCB 59
65	Unk	PCB-59	200.00	7.95e+07	0.80 y	30:22		-	1.20	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	5.17e+07	0.80 y	31:10		-	1.55	
71	Unk	PCB-40	100.00	2.89e+07	0.80 y	31:23		-	0.869	
72	Unk	PCB-57	100.00	4.86e+07	0.80 y	31:43		-	1.46	
73	Unk	PCB-67	100.00	4.87e+07	0.79 y	32:01		-	1.46	
74	Unk	PCB-58	100.00	4.83e+07	0.80 y	32:07		-	1.45	
75	Unk	PCB-63	100.00	4.96e+07	0.80 y	32:16		-	1.49	
76	Unk	PCB-74	100.00	4.92e+07	0.80 y	32:32		-	1.48	
77	Unk	PCB-61	200.00	8.89e+07	0.78 y	32:40		-	1.34	Co-elute PCB 70
78	Unk	PCB-70	200.00	8.89e+07	0.78 y	32:40		-	1.34	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.02e+08	0.79 y	32:56		-	1.53	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.02e+08	0.79 y	32:56		-	1.53	Co-elute PCB 76
81	Unk	PCB-80	100.00	5.79e+07	0.80 y	33:08		-	1.74	
82	Unk	PCB-55	100.00	5.04e+07	0.80 y	33:27		-	1.52	
83	IS/RT	13C-PCB-54	100.00	3.33e+07	0.81 y	25:33		-	1.13	
84	Unk	PCB-104	100.00	2.74e+07	1.56 y	30:01		-	1.26	
85	Unk	PCB-96	100.00	2.68e+07	1.56 y	31:13		-	1.23	
86	Unk	PCB-103	100.00	2.28e+07	1.56 y	31:43		-	1.05	
87	Unk	PCB-100	100.00	2.29e+07	1.59 y	32:03		-	1.05	
88	Unk	PCB-94	100.00	1.93e+07	1.60 y	32:30		-	0.888	
89	Unk	PCB-98	200.00	3.91e+07	1.56 y	32:56		-	0.898	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.91e+07	1.56 y	32:56		-	0.898	Co-elute PCB 98
91	Unk	PCB-95	100.00	2.06e+07	1.56 y	33:00		-	0.948	
92	Unk	PCB-93	100.00	2.05e+07	1.66 y	33:05		-	0.944	
93	Unk	PCB-88	200.00	4.27e+07	1.60 y	33:24		-	0.980	Co-elute PCB 91
94	Unk	PCB-91	200.00	4.27e+07	1.60 y	33:24		-	0.980	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.72e+07	1.58 y	33:28		-	1.25	
96	IS	13C-PCB-104	100.00	2.18e+07	1.61 y	29:59		-	0.737	
97	C/Up	13C-PCB-28	100.00	6.40e+07	1.08 y	26:37		-	2.17	
98	RS	13C-PCB-52	100.00	2.95e+07	0.80 y	28:54	2.95e+05		-	
99	Unk	PCB-56	200.00	1.18e+08	0.78 y	33:56		-	1.22	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.18e+08	0.78 y	33:56		-	1.22	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.21e+07	0.80 y	34:55		-	1.29	
102	Unk	PCB-78	100.00	6.09e+07	0.80 y	35:35		-	1.26	
103	Unk	PCB-81	100.00	6.31e+07	0.80 y	36:06		-	1.34	
104	IS	13C-PCB-81	100.00	4.71e+07	0.80 y	36:04		-	1.76	
105	Unk	PCB-77	100.00	5.78e+07	0.80 y	36:40		-	1.18	
106	IS/RT	13C-PCB-77	100.00	4.91e+07	0.82 y	36:37		-	1.84	
107	Unk	PCB-155	100.00	3.04e+07	1.26 y	34:11		-	1.16	
108	Unk	PCB-150	100.00	2.95e+07	1.27 y	35:23		-	1.13	
109	Unk	PCB-152	100.00	2.91e+07	1.27 y	35:49		-	1.11	
110	Unk	PCB-145	100.00	2.94e+07	1.27 y	36:15		-	1.12	
111	Unk	PCB-136	100.00	2.81e+07	1.26 y	36:34		-	1.07	
112	Unk	PCB-148	100.00	2.28e+07	1.24 y	36:39		-	0.870	
113	Unk	PCB-154	100.00	2.47e+07	1.24 y	37:06		-	0.944	
114	IS	13C-PCB-155	100.00	2.62e+07	1.29 y	34:09		-	0.981	
115	C/Up	13C-PCB-111	100.00	3.35e+07	1.63 y	36:15		-	1.26	
116	RS	13C-PCB-101	100.00	2.67e+07	1.63 y	34:36	2.67e+05	-		
117	Unk	PCB-84	200.00	5.89e+07	1.63 y	34:16		-	0.646	Co-elute PCB 92
118	Unk	PCB-92	200.00	5.89e+07	1.63 y	34:16		-	0.646	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.94e+07	1.59 y	34:26		-	0.644	
120	Unk	PCB-90	200.00	6.50e+07	1.59 y	34:36		-	0.713	Co-elute PCB 101
121	Unk	PCB-101	200.00	6.50e+07	1.59 y	34:36		-	0.713	Co-elute PCB 90
122	Unk	PCB-113	100.00	3.64e+07	1.58 y	34:50		-	0.797	
123	Unk	PCB-99	100.00	3.72e+07	1.61 y	34:56		-	0.816	
124	Unk	PCB-119	100.00	4.25e+07	1.64 y	35:21		-	0.931	
125	Unk	PCB-83	200.00	6.68e+07	1.57 y	35:30		-	0.732	Co-elute PCB 112
126	Unk	PCB-112	200.00	6.68e+07	1.57 y	35:30		-	0.732	Co-elute PCB 83
127	Unk	PCB-109	100.00	3.99e+07	1.58 y	35:40		-	0.875	
128	Unk	PCB-97	100.00	2.88e+07	1.60 y	35:52		-	0.632	
129	Unk	PCB-86	100.00	2.80e+07	1.53 y	35:59		-	0.614	
130	Unk	PCB-125	300.00	1.16e+08	1.61 y	36:07		-	0.845	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.16e+08	1.61 y	36:07		-	0.845	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.16e+08	1.61 y	36:07		-	0.845	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	8.36e+07	1.61 y	36:16		-	0.917	Co-elute PCB 115
134	Unk	PCB-115	200.00	8.36e+07	1.61 y	36:16		-	0.917	Co-elute PCB 111
135	Unk	PCB-85	200.00	7.13e+07	1.60 y	36:23		-	0.782	Co-elute PCB 116
136	Unk	PCB-116	200.00	7.13e+07	1.60 y	36:23		-	0.782	Co-elute PCB 85
137	Unk	PCB-120	100.00	4.45e+07	1.64 y	36:36		-	0.977	
138	Unk	PCB-110	100.00	4.15e+07	1.55 y	36:45		-	0.909	
139	Unk	PCB-82	100.00	2.59e+07	1.60 y	37:20		-	0.567	
140	Unk	PCB-124	100.00	5.33e+07	1.52 y	38:00		-	1.17	
141	Unk	PCB-108	200.00	1.07e+08	1.54 y	38:08		-	1.17	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.07e+08	1.54 y	38:08		-	1.17	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.81e+07	1.55 y	38:18		-	1.13	
144	IS	13C-PCB-123	100.00	4.27e+07	1.59 y	38:16		-	1.42	
145	Unk	PCB-118	200.00	1.09e+08	1.54 y	38:29		-	1.15	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.09e+08	1.54 y	38:29		-	1.15	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.73e+07	1.60 y	38:28		-	1.57	
148	Unk	PCB-114	100.00	5.60e+07	1.54 y	39:05		-	1.20	
149	IS	13C-PCB-114	100.00	4.67e+07	1.60 y	39:04		-	1.55	
150	Unk	PCB-122	100.00	5.49e+07	1.57 y	39:12		-	1.21	
151	Unk	PCB-105	100.00	5.53e+07	1.54 y	39:55		-	1.21	
152	IS	13C-PCB-105	100.00	4.57e+07	1.57 y	39:53		-	1.52	
153	Unk	PCB-127	100.00	5.14e+07	1.56 y	40:13		-	1.13	
154	Unk	PCB-126	100.00	4.97e+07	1.55 y	42:01		-	1.17	
155	IS	13C-PCB-126	100.00	4.24e+07	1.61 y	42:00		-	1.41	

156	Unk	PCB-151	100.00	3.42e+07	1.28 y	37:45	-	1.04	
157	Unk	PCB-135	100.00	3.37e+07	1.28 y	37:56	-	1.03	
158	Unk	PCB-144	100.00	3.53e+07	1.29 y	38:03	-	1.08	
159	Unk	PCB-147	100.00	3.61e+07	1.29 y	38:11	-	1.10	
160	Unk	PCB-139	200.00	7.29e+07	1.27 y	38:26	-	1.11	Co-elute PCB 149
161	Unk	PCB-149	200.00	7.29e+07	1.27 y	38:26	-	1.11	Co-elute PCB 139
162	Unk	PCB-140	100.00	3.67e+07	1.28 y	38:36	-	1.12	
163	Unk	PCB-143	200.00	6.21e+07	1.27 y	39:00	-	0.947	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.21e+07	1.27 y	39:00	-	0.947	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.23e+07	1.27 y	39:17	-	0.951	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.23e+07	1.27 y	39:17	-	0.951	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.16e+07	1.29 y	39:27	-	0.963	
168	Unk	PCB-165	200.00	8.15e+07	1.26 y	39:38	-	1.24	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.15e+07	1.26 y	39:38	-	1.24	Co-elute PCB 165
170	Unk	PCB-161	200.00	7.64e+07	1.29 y	39:51	-	1.17	Co-elute PCB 132
171	Unk	PCB-132	200.00	7.64e+07	1.29 y	39:51	-	1.17	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.10e+07	1.29 y	40:01	-	1.25	
173	Unk	PCB-168	100.00	4.52e+07	1.27 y	40:15	-	1.38	
174	Unk	PCB-141	100.00	3.48e+07	1.27 y	40:44	-	1.06	
175	Unk	PCB-137	100.00	3.45e+07	1.26 y	41:06	-	1.05	
176	Unk	PCB-130	100.00	3.08e+07	1.27 y	41:12	-	0.939	
177	Unk	PCB-138	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.03e+07	1.28 y	41:47	-	1.38	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.03e+07	1.28 y	41:47	-	1.38	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.96e+07	1.30 y	42:00	-	0.903	
183	Unk	PCB-166	100.00	4.40e+07	1.29 y	42:28	-	1.34	
184	Unk	PCB-159	100.00	4.55e+07	1.29 y	42:44	-	1.39	
185	Unk	PCB-128	200.00	7.64e+07	1.28 y	43:01	-	1.16	Co-elute PCB 162
186	Unk	PCB-162	200.00	7.64e+07	1.28 y	43:01	-	1.16	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.29e+07	1.29 y	43:24	-	1.26	
188	IS	13C-PCB-167	100.00	3.42e+07	1.29 y	43:22	-	1.13	
189	Unk	PCB-156	100.00	4.29e+07	1.29 y	44:36	-	1.32	
190	IS	13C-PCB-156	100.00	3.25e+07	1.30 y	44:36	-	1.08	
191	Unk	PCB-157	100.00	4.20e+07	1.27 y	44:53	-	1.27	
192	IS	13C-PCB-157	100.00	3.31e+07	1.31 y	44:51	-	1.10	
193	Unk	PCB-169	100.00	3.84e+07	1.30 y	46:43	-	1.23	
194	IS	13C-PCB-169	100.00	3.13e+07	1.28 y	46:43	-	1.04	
195	Unk	PCB-188	100.00	3.26e+07	1.06 y	39:40	-	1.20	
196	IS	13C-PCB-188	100.00	2.71e+07	1.06 y	39:40	-	0.899	

197	Unk	PCB-184	100.00	3.32e+07	1.07 y	40:06	-	1.35	
198	Unk	PCB-179	100.00	3.26e+07	1.07 y	40:51	-	1.32	
199	Unk	PCB-176	100.00	3.12e+07	1.06 y	41:17	-	1.27	
200	Unk	PCB-186	100.00	3.10e+07	1.06 y	41:52	-	1.26	
201	Unk	PCB-178	100.00	2.25e+07	1.05 y	42:20	-	0.913	
202	Unk	PCB-175	100.00	2.35e+07	1.06 y	42:39	-	0.955	
203	Unk	PCB-187	200.00	5.03e+07	1.07 y	42:49	-	1.02	Co-elute PCB 182
204	Unk	PCB-182	200.00	5.03e+07	1.07 y	42:49	-	1.02	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.51e+07	1.08 y	43:06	-	1.02	
206	Unk	PCB-185	100.00	2.32e+07	1.06 y	43:44	-	0.939	
207	Unk	PCB-174	100.00	2.46e+07	1.06 y	44:05	-	0.998	
208	Unk	PCB-181	100.00	2.18e+07	1.08 y	44:12	-	0.884	
209	Unk	PCB-177	100.00	2.13e+07	1.05 y	44:20	-	0.864	
210	Unk	PCB-171	100.00	2.28e+07	1.07 y	44:36	-	0.926	
211	Unk	PCB-173	100.00	2.04e+07	1.07 y	45:01	-	0.828	
212	Unk	PCB-172	100.00	2.09e+07	1.06 y	45:24	-	0.850	
213	Unk	PCB-192	100.00	2.76e+07	1.07 y	45:35	-	1.12	
214	Unk	PCB-180	100.00	2.17e+07	1.06 y	45:45	-	0.882	
215	Unk	PCB-193	100.00	2.98e+07	1.08 y	45:55	-	1.21	
216	Unk	PCB-191	100.00	2.85e+07	1.08 y	46:08	-	1.16	
217	Unk	PCB-170	100.00	2.17e+07	1.05 y	47:03	-	0.880	
218	Unk	PCB-190	100.00	2.80e+07	1.08 y	47:13	-	1.14	
219	Unk	PCB-189	100.00	2.66e+07	1.08 y	48:25	-	1.20	
220	IS	13C-PCB-189	100.00	2.22e+07	1.08 y	48:23	-	0.736	
221	Unk	PCB-202	150.00	2.81e+07	0.94 y	44:48	-	1.12	
222	Unk	PCB-201	150.00	3.20e+07	0.93 y	45:14	-	1.28	
223	Unk	PCB-204	150.00	3.10e+07	0.91 y	45:22	-	1.24	
224	Unk	PCB-197	150.00	3.23e+07	0.91 y	45:39	-	1.29	
225	Unk	PCB-200	150.00	3.20e+07	0.92 y	46:23	-	1.28	
226	Unk	PCB-198	150.00	2.41e+07	0.91 y	47:34	-	0.963	
227	Unk	PCB-199	150.00	2.32e+07	0.92 y	47:41	-	0.927	
228	Unk	PCB-203	300.00	4.92e+07	0.92 y	47:55	-	0.984	Co-elute PCB 196
229	Unk	PCB-196	300.00	4.92e+07	0.92 y	47:55	-	0.984	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.67e+07	0.92 y	44:46	-	0.553	
231	C/Up	13C-PCB-178	100.00	1.99e+07	1.09 y	42:18	-	0.661	
232	RS	13C-PCB-138	100.00	3.01e+07	1.32 y	41:30	3.01e+05	-	
233	Unk	PCB-195	150.00	5.21e+07	0.89 y	49:00	-	0.906	
234	Unk	PCB-194	150.00	5.35e+07	0.91 y	49:49	-	0.930	
235	Unk	PCB-205	150.00	6.56e+07	0.90 y	50:03	-	1.14	
236	IS	13C-PCB-205	100.00	3.83e+07	0.92 y	50:03	-	1.24	
237	Unk	PCB-208	150.00	5.69e+07	1.37 y	49:08	-	1.13	
238	IS	13C-PCB-208	100.00	3.35e+07	0.84 y	49:07	-	1.08	
239	Unk	PCB-207	150.00	5.63e+07	1.39 y	49:26	-	1.31	
240	Unk	PCB-206	150.00	4.22e+07	1.36 y	51:15	-	1.17	
241	IS	13C-PCB-206	100.00	2.40e+07	0.81 y	51:15	-	0.775	
242	Unk	PCB-209	150.00	4.32e+07	1.21 y	52:26	-	1.27	
243	IS	13C-PCB-209	100.00	2.27e+07	1.21 y	52:26	-	0.734	
244	RS	13C-PCB-194	100.00	3.10e+07	0.91 y	49:48	3.10e+05	-	

Analyst: _____ Date: 10/16/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:1 Analysis Date: 16-OCT-20 07:48:25

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	61.2	37.5 - 62.5
PCB-3	M/M+2	3.24	2.66-3.60	y	59.7	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	44.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	56.3	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	56.7	37.5 - 62.5
PCB-37	M/M+2	1.03	0.88-1.20	y	52.9	37.5 - 62.5
PCB-54	M/M+2	0.80	0.65-0.89	y	119	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	107	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	118	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	113	75.0 - 125
PCB-105	M+2/M+4	1.54	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	205	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	102	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	108	75.0 - 125
PCB-155	M+2/M+4	1.26	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.29	1.05-1.43	y	117	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	117	75.0 - 125
PCB-167	M+2/M+4	1.29	1.05-1.43	y	113	75.0 - 125
PCB-169	M+2/M+4	1.30	1.05-1.43	y	114	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	109	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	112	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	164	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	169	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	169	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	169	112.5 - 187.5

Analyst: [illegible] Date: 10/16/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:1 Analysis Date: 16-OCT-20 07:48:25

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.24	2.66-3.60	y	77.7	50.0 - 145
13C-PCB-3	M/M+2	3.29	2.66-3.60	y	73.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	91.3	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	73.4	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	112	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	89.2	50.0 - 145
13C-PCB-77	M/M+2	0.82	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	112	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	72.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	118	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	120	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	110	50.0 - 145
13C-PCB-126	M+2/M+4	1.61	1.32-1.78	y	114	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	88.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	90.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	90.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	92.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	88.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	79.8	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	76.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	57.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.92	0.76-1.02	y	94.0	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	82.7	50.0 - 145
13C-PCB-208	M+2/M+4	0.84	0.65-0.89	y	78.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	66.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.08	0.88-1.20	y	125	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	98.8	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	85.1	75.0 - 125

Analyst: _____ Date: 10/16/20

FAL ID: ST101620Z1 Filename: 16OCT20Z Sam:1 Acquired: 16-OCT-20 07:48:25 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST101620Z1 EndCal: ST101620Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.15e+07	3.23 y	14:28	1.21	61.2		2.50	-	-	*	-
13C-PCB-1	4.26e+07	3.24 y	14:27	0.90	77.7		2.50				77.7
PCB-3	3.04e+07	3.24 y	16:53	1.23	59.7		2.50	-	-	*	-
13C-PCB-3	4.14e+07	3.29 y	16:52	0.93	73.2		2.50				73.2
PCB-4	2.08e+07	1.48 y	18:08	1.14	44.8		2.50	-	-	*	-
13C-PCB-4	4.07e+07	1.61 y	18:06	0.66	101		2.50				101
PCB-15	3.72e+07	1.52 y	23:39	1.09	56.3		2.50	-	-	*	-
13C-PCB-15	6.04e+07	1.62 y	23:38	1.09	91.3		2.50				91.3
PCB-19	1.55e+07	1.09 y	22:01	1.21	56.7		2.50	-	-	*	-
13C-PCB-19	2.26e+07	1.08 y	21:59	0.50	73.4		2.50				73.4
13C-PCB-9	6.09e+07	1.64 y	19:46	-	59.7		2.50				
PCB-37	3.27e+07	1.03 y	30:18	1.14	52.9		2.50	-	-	*	-
13C-PCB-37	5.41e+07	1.06 y	30:17	1.64	112		2.50				112
PCB-54	4.68e+07	0.80 y	25:34	1.18	119		2.50	-	-	*	-
13C-PCB-54	3.33e+07	0.81 y	25:33	1.26	89.2		2.50				89.2
PCB-104	2.74e+07	1.56 y	30:01	1.12	113		2.50	-	-	*	-
13C-PCB-104	2.18e+07	1.61 y	29:59	1.02	72.2		2.50				72.2
13C-PCB-28	6.40e+07	1.08 y	26:37	1.73	125		2.50				125
13C-PCB-52	2.95e+07	0.80 y	28:54	-	55.5		2.50				
PCB-81	6.31e+07	0.80 y	36:06	1.13	118		2.50	-	-	*	-
13C-PCB-81	4.71e+07	0.80 y	36:04	1.57	112		2.50				112
PCB-77	5.78e+07	0.80 y	36:40	1.10	107		2.50	-	-	*	-
13C-PCB-77	4.91e+07	0.82 y	36:37	1.61	114		2.50				114
PCB-155	3.04e+07	1.26 y	34:11	1.13	102		2.50	-	-	*	-
13C-PCB-155	2.62e+07	1.29 y	34:09	1.10	88.9		2.50				88.9
13C-PCB-111	3.35e+07	1.63 y	36:15	1.27	98.8		2.50				98.8
13C-PCB-101	2.67e+07	1.63 y	34:36	-	56.1		2.50				
PCB-123	4.81e+07	1.55 y	38:18	1.11	102		2.50	-	-	*	-
13C-PCB-123	4.27e+07	1.59 y	38:16	1.28	110		2.50				110
PCB-118	1.09e+08	1.54 y	38:29	1.12	205		2.50	-	-	*	-
13C-PCB-118	4.73e+07	1.60 y	38:28	1.35	116		2.50				116
PCB-114	5.60e+07	1.54 y	39:05	1.13	106		2.50	-	-	*	-
13C-PCB-114	4.67e+07	1.60 y	39:04	1.29	120		2.50				120
PCB-105	5.53e+07	1.54 y	39:55	1.10	110		2.50	-	-	*	-
13C-PCB-105	4.57e+07	1.57 y	39:53	1.28	118		2.50				118
PCB-126	4.97e+07	1.55 y	42:01	1.08	108		2.50	-	-	*	-
13C-PCB-126	4.24e+07	1.61 y	41:60	1.23	114		2.50				114
PCB-167	4.29e+07	1.29 y	43:24	1.11	113		2.50	-	-	*	-
13C-PCB-167	3.42e+07	1.29 y	43:22	1.23	92.3		2.50				92.3
PCB-156	4.29e+07	1.29 y	44:36	1.13	117		2.50	-	-	*	-
13C-PCB-156	3.25e+07	1.30 y	44:36	1.19	90.9		2.50				90.9
PCB-157	4.20e+07	1.27 y	44:53	1.08	117		2.50	-	-	*	-
13C-PCB-157	3.31e+07	1.31 y	44:51	1.21	90.5		2.50				90.5
PCB-169	3.84e+07	1.30 y	46:43	1.08	114		2.50	-	-	*	-
13C-PCB-169	3.13e+07	1.28 y	46:43	1.17	88.8		2.50				88.8
PCB-188	3.26e+07	1.06 y	39:40	1.10	109		2.50	-	-	*	-
13C-PCB-188	2.71e+07	1.06 y	39:40	1.13	79.8		2.50				79.8
PCB-189	2.66e+07	1.08 y	48:25	1.07	112		2.50	-	-	*	-
13C-PCB-189	2.22e+07	1.08 y	48:23	0.97	76.3		2.50				76.3
PCB-202	2.81e+07	0.94 y	44:48	1.03	164		2.50	-	-	*	-
13C-PCB-202	1.67e+07	0.92 y	44:46	0.96	57.9		2.50				57.9
13C-PCB-178	1.99e+07	1.09 y	42:18	0.78	85.1		2.50				85.1
13C-PCB-138	3.01e+07	1.32 y	41:30	-	62.7		2.50				

FAL ID: ST101620Z1 Filename: 16OCT20Z Sam:1 Acquired: 16-OCT-20 07:48:25 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST101620Z1 EndCal: ST101620Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	6.56e+07	0.90 y	50:03	1.09	158	2.50	-	-	*	-
13C-PCB-205	3.83e+07	0.92 y	50:03	1.32	94.0	2.50				94.0
PCB-208	5.69e+07	1.37 y	49:08	1.01	169	2.50	-	-	*	-
13C-PCB-208	3.35e+07	0.84 y	49:07	1.38	78.5	2.50				78.5
PCB-206	4.22e+07	1.36 y	51:15	1.04	169	2.50	-	-	*	-
13C-PCB-206	2.40e+07	0.81 y	51:15	0.94	82.7	2.50				82.7
PCB-209	4.32e+07	1.21 y	52:26	1.13	169	2.50	-	-	*	-
13C-PCB-209	2.27e+07	1.21 y	52:26	1.10	66.6	2.50				66.6
13C-PCB-194	3.10e+07	0.91 y	49:48	-	81.3	2.50				

Analyst: _____ Date: 10/16/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/16/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.27	2.66-3.60	y	49.3	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	48.8	37.5 - 62.5
PCB-4	M/M+2	1.51	1.33-1.79	y	58.1	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	50.9	37.5 - 62.5
PCB-19	M/M+2	1.12	0.88-1.20	y	51.9	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	50.4	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	99.2	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	102	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	105	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	101	75.0 - 125
PCB-114	M+2/M+4	1.59	1.32-1.78	y	99.3	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	203	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	93.0	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	99.4	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	110	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	99.3	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	98.7	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	109	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	107	75.0 - 125
PCB-202	M+2/M+4	1.00	0.76-1.02	y	144	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	145	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	150	112.5 - 187.5

Analyst: [illegible] Date: 10/19/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/16/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	108	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	104	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	102	50.0 - 145
13C-PCB-15	M/M+2	1.65	1.33-1.79	y	95.6	50.0 - 145
13C-PCB-19	M/M+2	1.19	0.88-1.20	y	89.4	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	88.0	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	110	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	91.4	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	93.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	102	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	98.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	94.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	97.4	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	103	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	98.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	90.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	102	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	103	50.0 - 145
13C-PCB-167	M+2/M+4	1.32	1.05-1.43	y	101	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	109	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	91.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.15	0.89-1.21	y	96.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	91.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	99.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	111	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	110	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	112	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	92.8	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	96.5	75.0 - 125

Analyst: [illegible] Date: 10/19/20

FAL ID: ST10162022 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: DAILY209FAL4-10-16-20 1 of 2
Client ID: CS209 200406A ConCal: 1668209 EndCal: ST10162022
Results: 13387 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.70e+07	3.27 y	14:31	1.48	49.3		2.50	-	-	*	
13C-PCB-1	3.70e+07	3.27 y	14:30	0.70	108		2.50				108
PCB-3	2.50e+07	3.21 y	16:56	1.47	48.8		2.50	-	-	*	
13C-PCB-3	3.49e+07	3.32 y	16:55	0.68	104		2.50				104
PCB-4	1.98e+07	1.51 y	18:11	1.02	58.1		2.50	-	-	*	
13C-PCB-4	3.34e+07	1.61 y	18:09	0.67	102		2.50				102
PCB-15	2.93e+07	1.53 y	23:41	1.23	50.9		2.50	-	-	*	
13C-PCB-15	4.67e+07	1.65 y	23:39	0.99	95.6		2.50				95.6
PCB-19	1.16e+07	1.12 y	22:03	1.37	51.9		2.50	-	-	*	
13C-PCB-19	1.63e+07	1.19 y	22:01	0.37	89.4		2.50				89.4
13C-PCB-9	4.92e+07	1.65 y	19:49	-	80.8		2.50				
PCB-37	2.20e+07	1.09 y	30:20	1.21	50.4		2.50	-	-	*	
13C-PCB-37	3.61e+07	1.09 y	30:17	1.83	88.0		2.50				88.0
PCB-54	3.89e+07	0.79 y	25:35	1.41	99.2		2.50	-	-	*	
13C-PCB-54	2.78e+07	0.82 y	25:34	1.13	110		2.50				110
PCB-104	2.19e+07	1.55 y	30:01	1.26	103		2.50	-	-	*	
13C-PCB-104	1.68e+07	1.61 y	29:60	0.74	102		2.50				102
13C-PCB-28	4.50e+07	1.09 y	26:37	2.17	92.8		2.50				92.8
13C-PCB-52	2.24e+07	0.78 y	28:54	-	75.8		2.50				
PCB-81	4.88e+07	0.80 y	36:05	1.34	105		2.50	-	-	*	
13C-PCB-81	3.48e+07	0.81 y	36:03	1.76	93.0		2.50				93.0
PCB-77	4.27e+07	0.82 y	36:39	1.18	102		2.50	-	-	*	
13C-PCB-77	3.56e+07	0.80 y	36:38	1.84	91.4		2.50				91.4
PCB-155	2.39e+07	1.29 y	34:10	1.16	110		2.50	-	-	*	
13C-PCB-155	1.87e+07	1.36 y	34:08	0.98	90.1		2.50				90.1
13C-PCB-111	2.72e+07	1.63 y	36:14	1.26	102		2.50				102
13C-PCB-101	2.12e+07	1.65 y	34:35	-	79.3		2.50				
PCB-123	3.74e+07	1.60 y	38:16	1.13	93.0		2.50	-	-	*	
13C-PCB-123	3.57e+07	1.58 y	38:16	1.42	103		2.50				103
PCB-118	8.69e+07	1.61 y	38:29	1.15	203		2.50	-	-	*	
13C-PCB-118	3.73e+07	1.60 y	38:26	1.57	97.4		2.50				97.4
PCB-114	4.25e+07	1.59 y	39:04	1.20	99.3		2.50	-	-	*	
13C-PCB-114	3.56e+07	1.61 y	39:02	1.55	94.2		2.50				94.2
PCB-105	4.43e+07	1.58 y	39:53	1.21	101		2.50	-	-	*	
13C-PCB-105	3.63e+07	1.58 y	39:52	1.52	98.2		2.50				98.2
PCB-126	3.96e+07	1.60 y	42:00	1.17	99.4		2.50	-	-	*	
13C-PCB-126	3.39e+07	1.59 y	41:58	1.41	98.9		2.50				98.9
PCB-167	3.50e+07	1.26 y	43:22	1.26	99.3		2.50	-	-	*	
13C-PCB-167	2.81e+07	1.32 y	43:21	1.13	101		2.50				101
PCB-156	3.60e+07	1.28 y	44:35	1.32	102		2.50	-	-	*	
13C-PCB-156	2.68e+07	1.32 y	44:35	1.08	102		2.50				102
PCB-157	3.54e+07	1.25 y	44:51	1.27	101		2.50	-	-	*	
13C-PCB-157	2.77e+07	1.31 y	44:50	1.10	103		2.50				103
PCB-169	3.35e+07	1.26 y	46:43	1.23	98.7		2.50	-	-	*	
13C-PCB-169	2.76e+07	1.29 y	46:41	1.04	109		2.50				109
PCB-188	2.63e+07	1.07 y	39:40	1.20	109		2.50	-	-	*	
13C-PCB-188	2.01e+07	1.10 y	39:38	0.90	91.4		2.50				91.4
PCB-189	2.21e+07	1.09 y	48:24	1.20	107		2.50	-	-	*	
13C-PCB-189	1.73e+07	1.15 y	48:22	0.74	96.2		2.50				96.2
PCB-202	2.00e+07	1.00 y	44:46	1.12	144		2.50	-	-	*	
13C-PCB-202	1.23e+07	0.93 y	44:45	0.55	91.4		2.50				91.4
13C-PCB-178	1.56e+07	1.09 y	42:16	0.66	96.5		2.50				96.5
13C-PCB-138	2.44e+07	1.30 y	41:30	-	81.0		2.50				

FAL ID: ST10162022 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: DAILY209FAL4-10-16-20 2 of 2
Client ID: CS209 200406A ConCal: 1668209 EndCal: ST10162022
Results: 13387 GC Column: DB1MS Amount: 1.000

PCB-205	5.41e+07	0.93 y	50:03	1.14	150	2.50	-	-	*	
13C-PCB-205	3.15e+07	0.87 y	50:02	1.24	99.2	2.50				99.2
PCB-208	5.18e+07	1.38 y	49:07	1.13	150	2.50	-	-	*	
13C-PCB-208	3.05e+07	0.80 y	49:07	1.08	110	2.50				110
PCB-206	3.74e+07	1.32 y	51:15	1.17	145	2.50	-	-	*	
13C-PCB-206	2.20e+07	0.80 y	51:14	0.77	111	2.50				111
PCB-209	4.01e+07	1.22 y	52:26	1.27	150	2.50	-	-	*	
13C-PCB-209	2.11e+07	1.21 y	52:25	0.73	112	2.50				112
13C-PCB-194	2.56e+07	0.90 y	49:47	-	82.8	2.50				

Analyst: _____ Date: 10/19/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:16OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

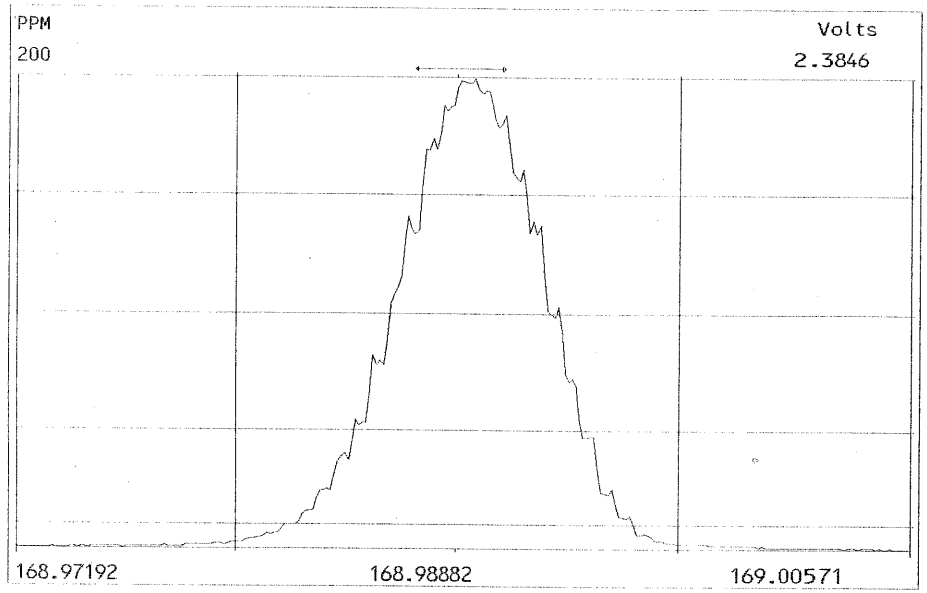
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
16OCT20Z	1	ST101620Z1	CS209 200406A	16-OCT-20 07:48:25	ST101620Z1	ST101620Z2	BS
16OCT20Z	2	05478-001-0001-OPR	OPR	16-OCT-20 08:46:45	ST101620Z1	ST101620Z2	BS
16OCT20Z	3	05478-001-0001-MB	Method Blank	16-OCT-20 09:45:06	ST101620Z1	ST101620Z2	BS
16OCT20Z	4	13387-001-0001-SA	202010070231	16-OCT-20 10:43:27	ST101620Z1	ST101620Z2	BS
16OCT20Z	5	13390-001-0001-SA	EFF-002	16-OCT-20 11:41:48	ST101620Z1	ST101620Z2	BS
16OCT20Z	6	13392-001-0001-SA	Effluent	16-OCT-20 12:40:10	ST101620Z1	ST101620Z2	BS
16OCT20Z	7	05483-001-0001-OPR	OPR	16-OCT-20 13:38:31	ST101620Z1	ST101620Z2	BS
16OCT20Z	8	05483-001-0001-MB	Method Blank	16-OCT-20 14:37:16	ST101620Z1	ST101620Z2	BS
16OCT20Z	9	13372-003-0001-SA	LDW-Y3-SC-ENR+AC-S010-DEP	16-OCT-20 15:35:38	ST101620Z1	ST101620Z2	BS
16OCT20Z	10	13372-004-0001-SA	LDW-Y3-SC-ENR-CA-S010	16-OCT-20 16:33:59	ST101620Z1	ST101620Z2	BS
16OCT20Z	11	13372-005-0001-SA	LDW-Y3-SC-ENR-CA-S010-LONG	16-OCT-20 17:32:20	ST101620Z1	ST101620Z2	BS
16OCT20Z	12	13372-009-0001-SA	LDW-Y3-SC-ENR-CC-S010-LONG	16-OCT-20 18:30:41	ST101620Z1	ST101620Z2	BS
16OCT20Z	13	13372-010-0001-SA	LDW-Y3-SC-ENR-CD-S010	16-OCT-20 19:29:03	ST101620Z1	ST101620Z2	BS
16OCT20Z	14	SB101620Z1	Solvent Blank	16-OCT-20 20:27:23	ST101620Z1	ST101620Z2	BS
16OCT20Z	15	ST101620Z2	CS209 200406A	16-OCT-20 21:25:45	ST101620Z1	ST101620Z2	BS

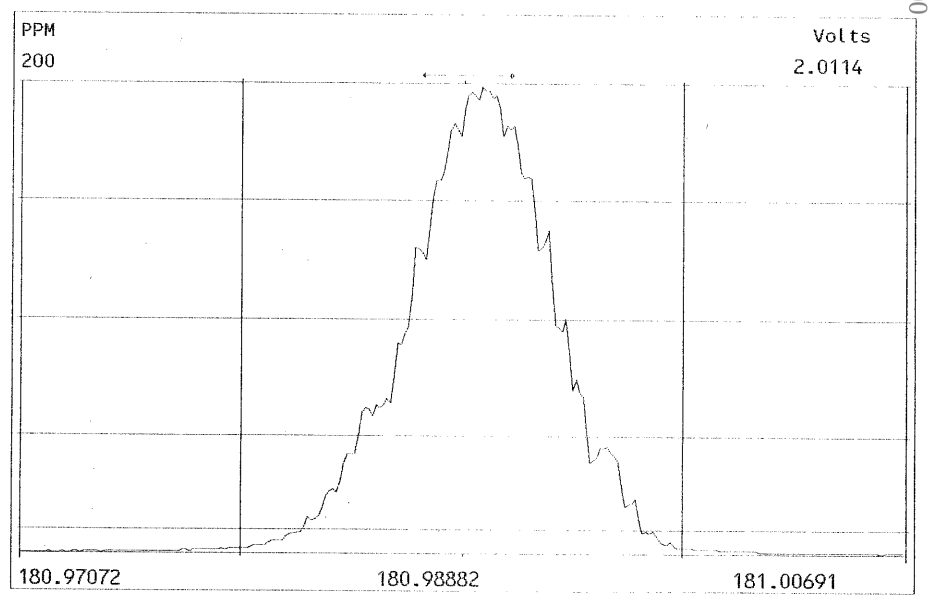
10/19/20

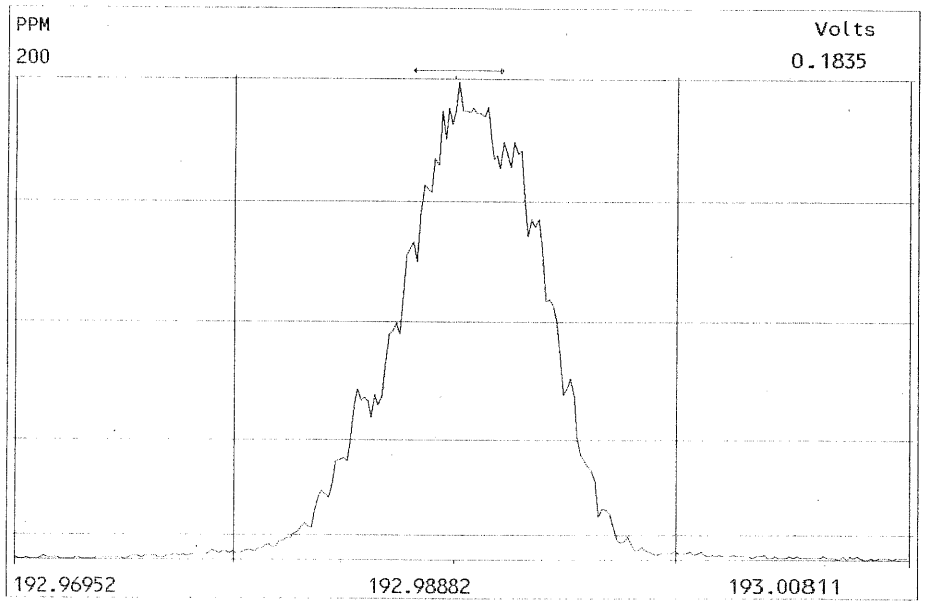
Data Backed Up:_____

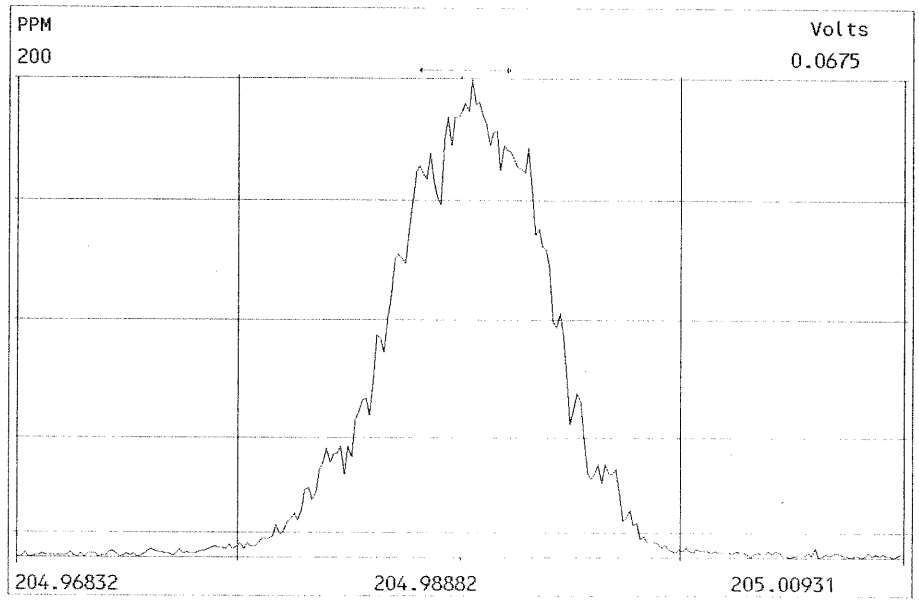
Date:_____

Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

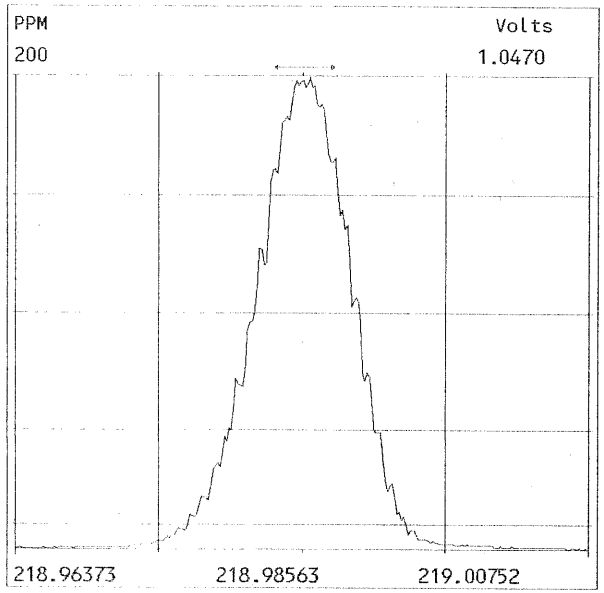


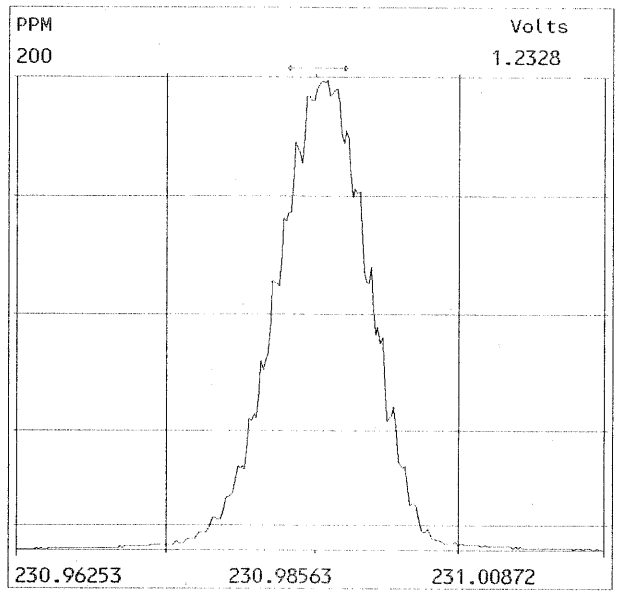


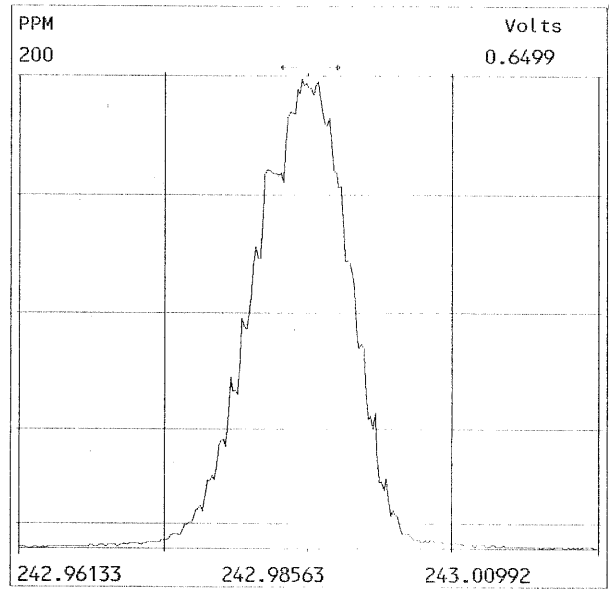


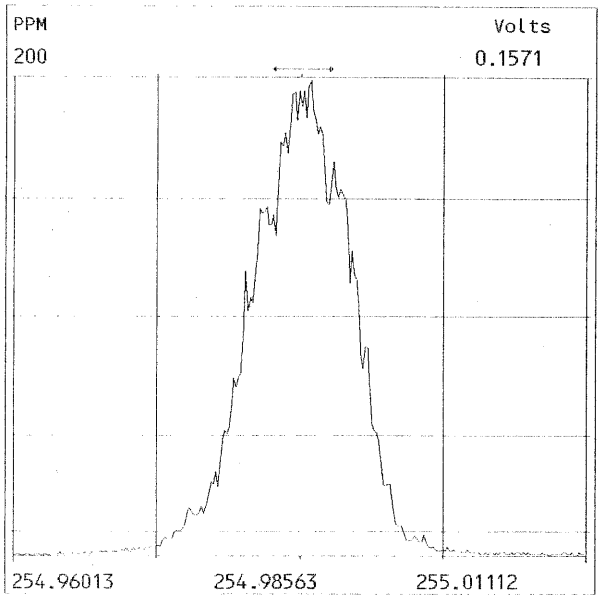


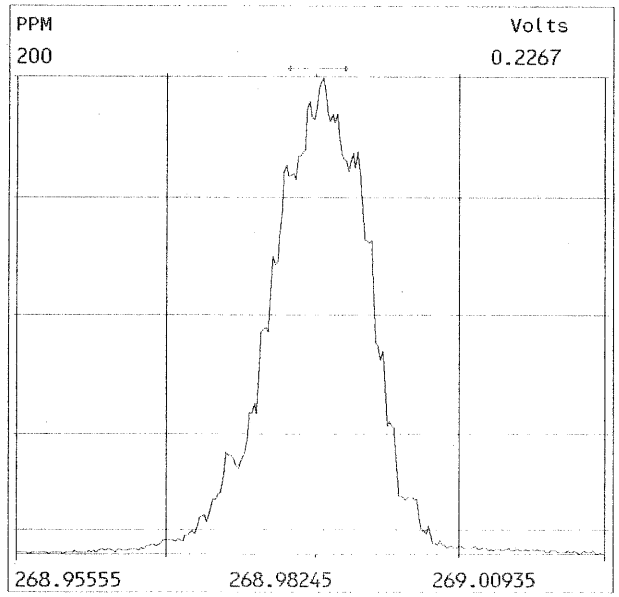
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

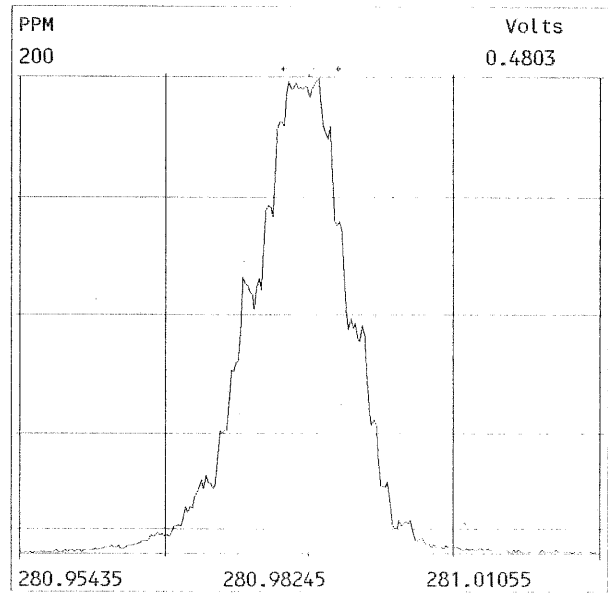




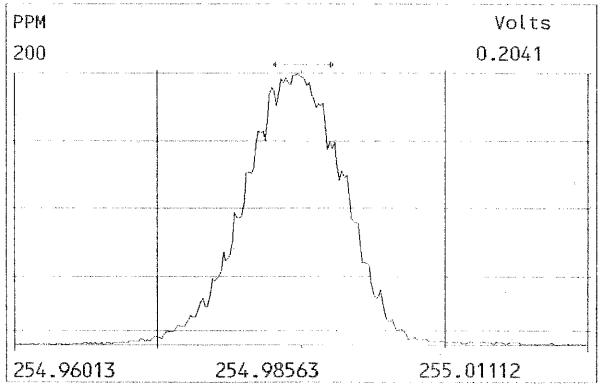


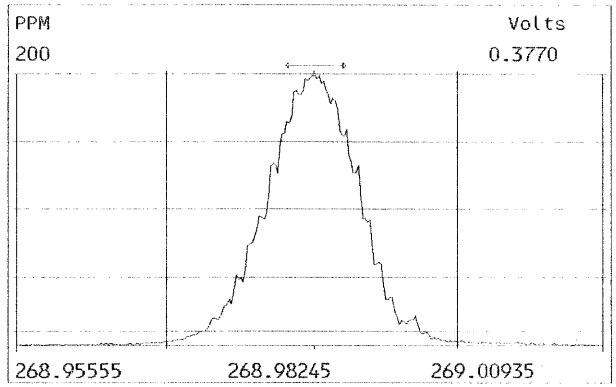


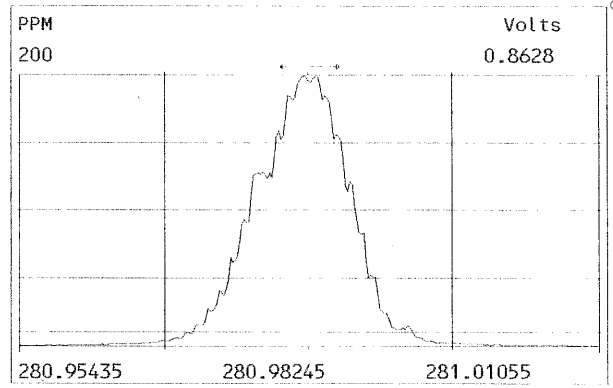


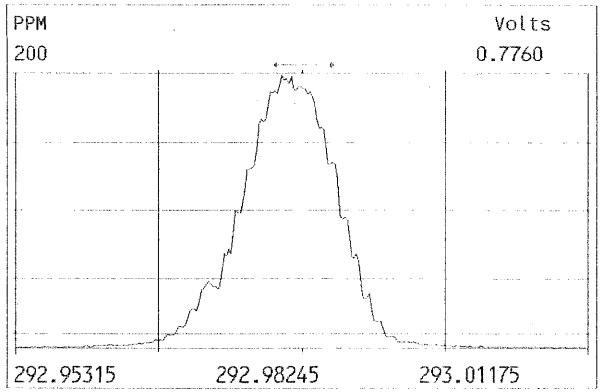


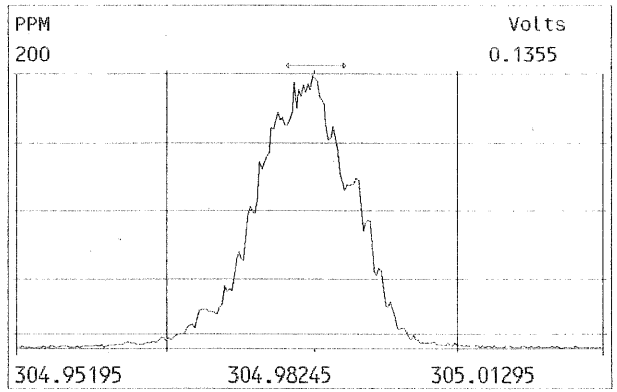
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

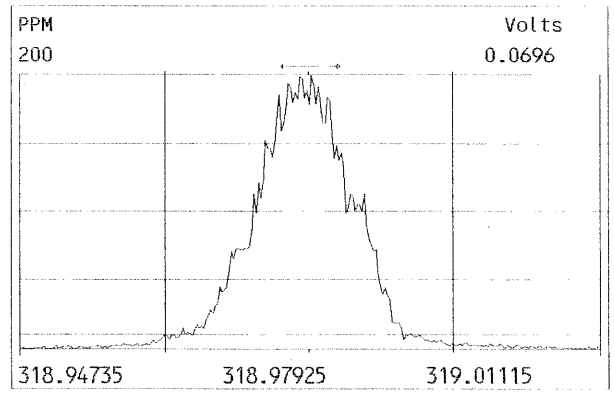


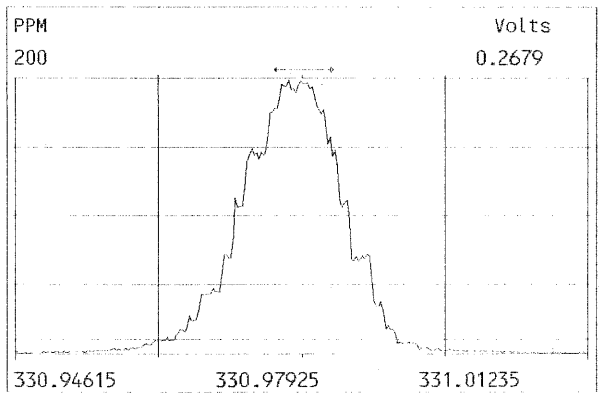


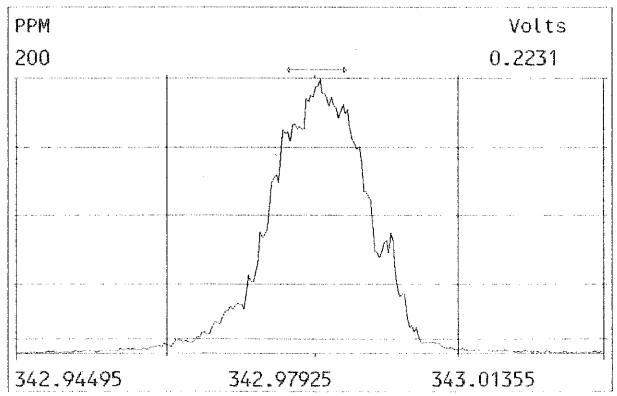




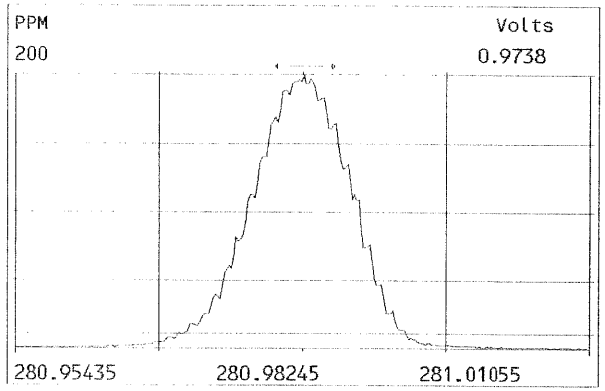


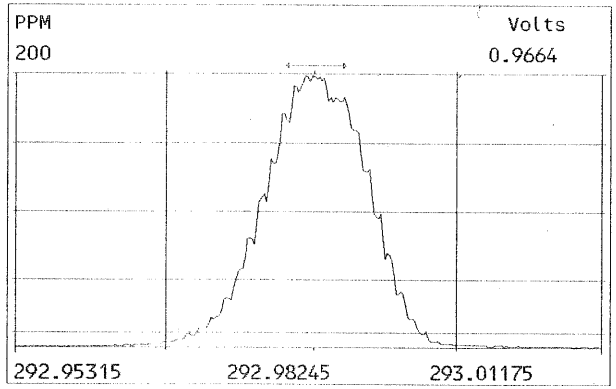


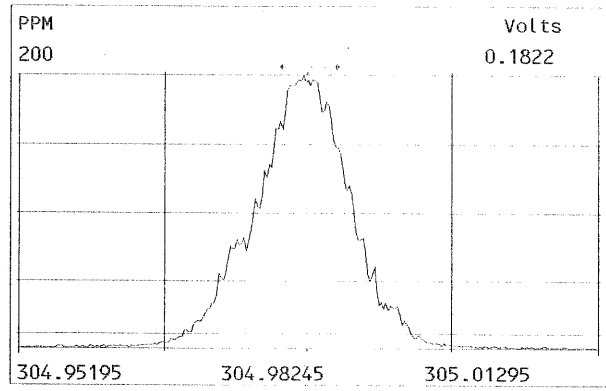


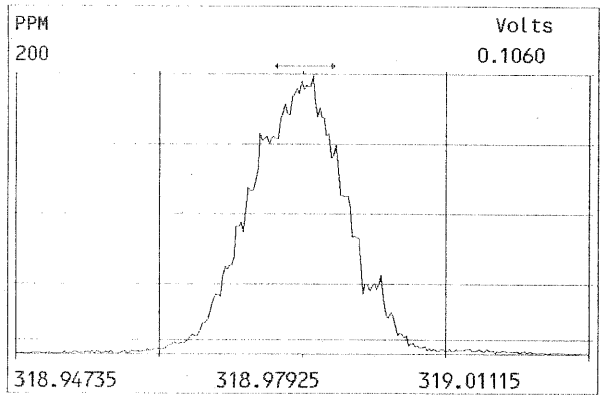


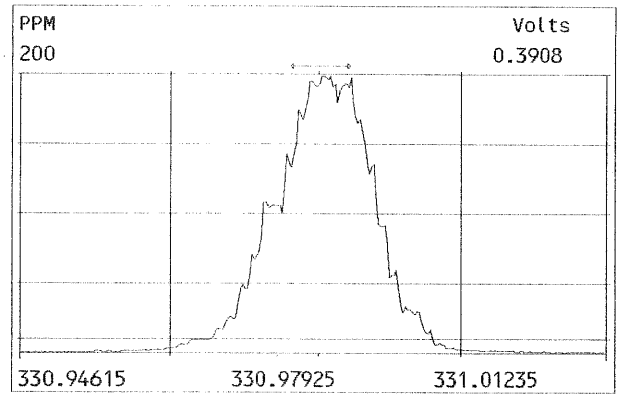
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

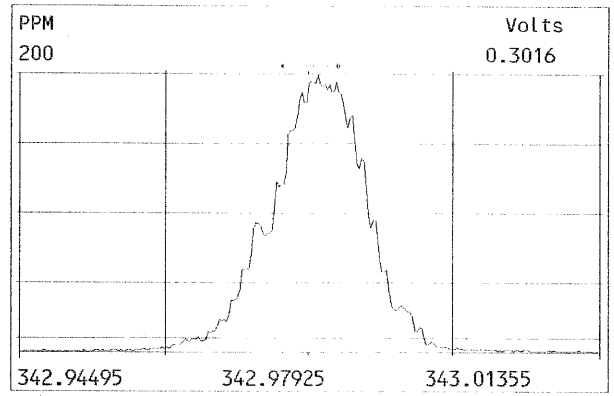


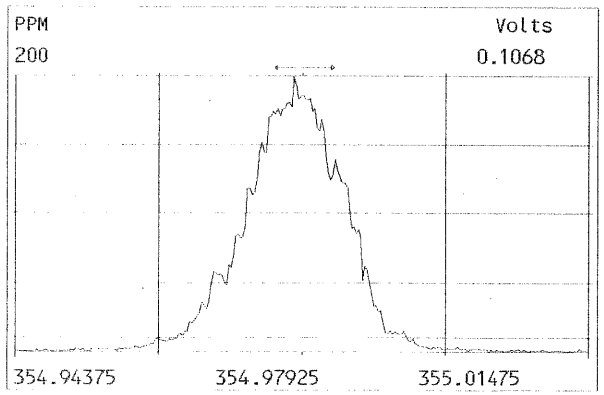


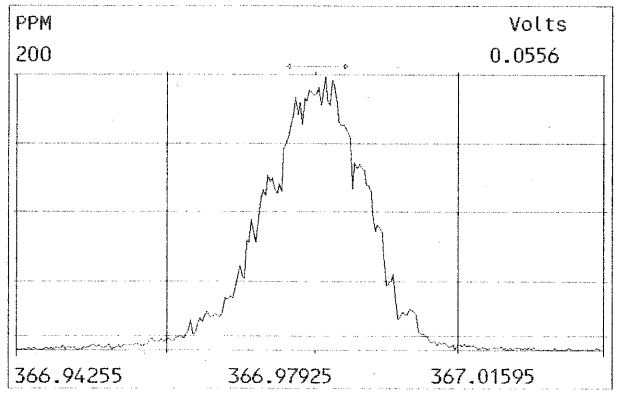


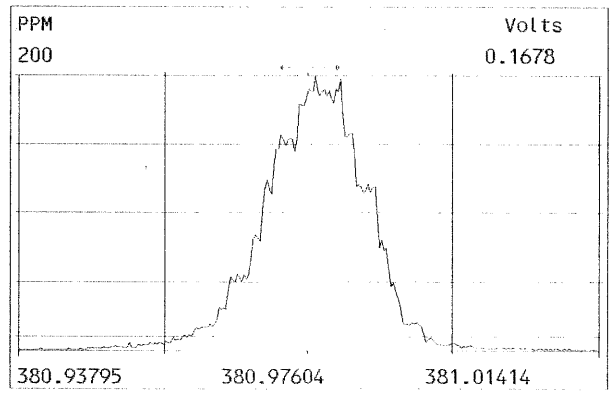




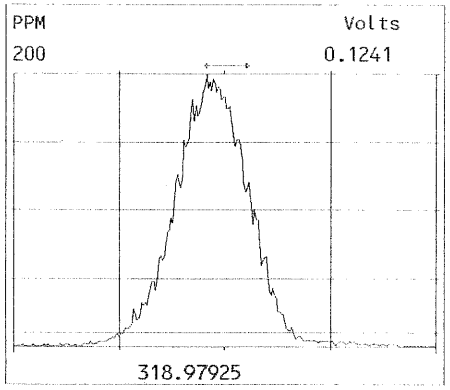


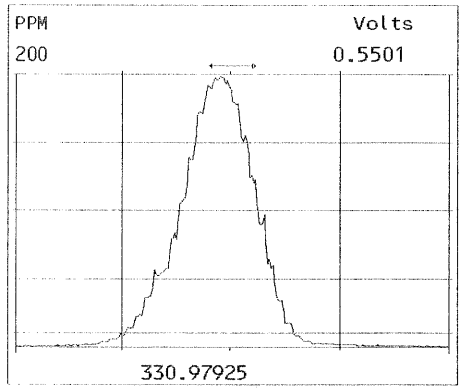


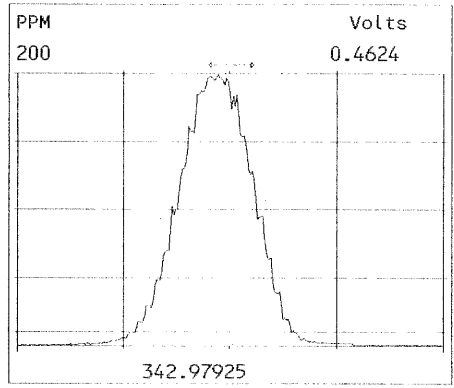


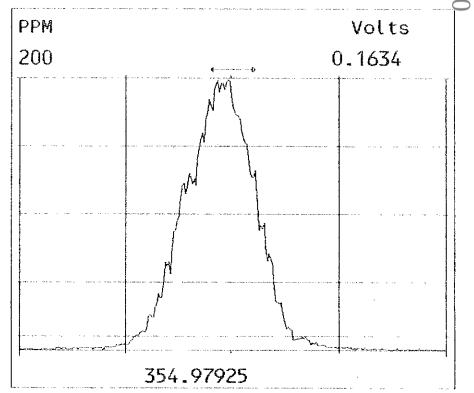


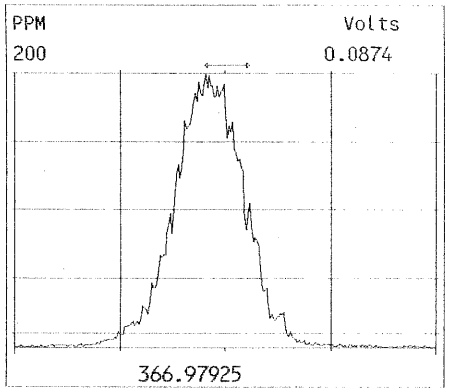
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

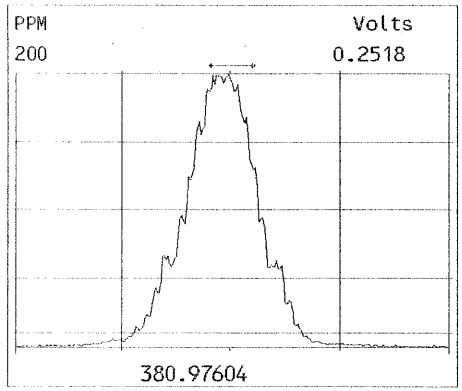


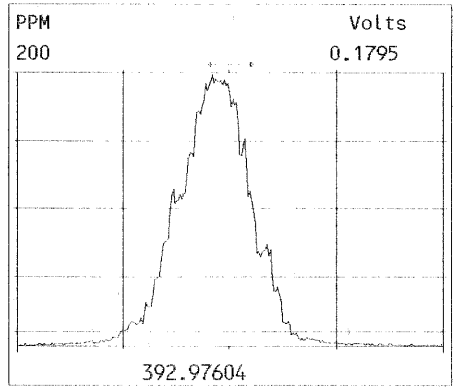


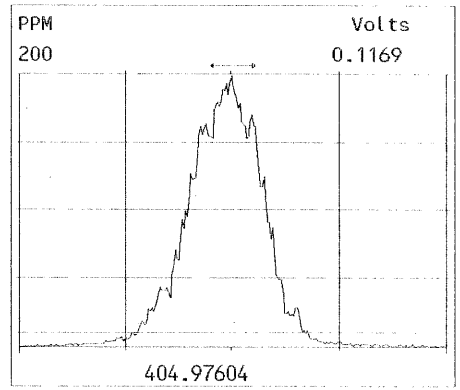


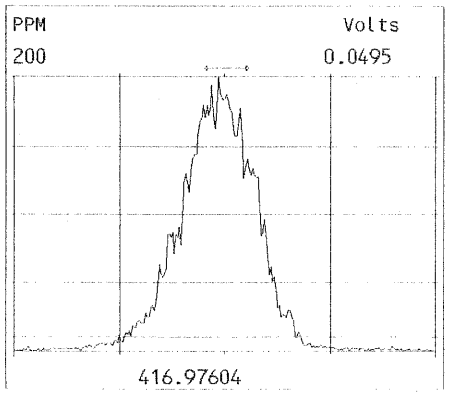


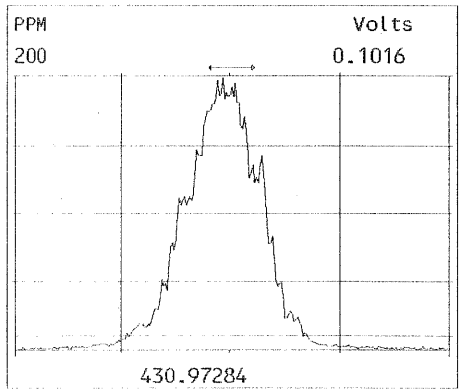


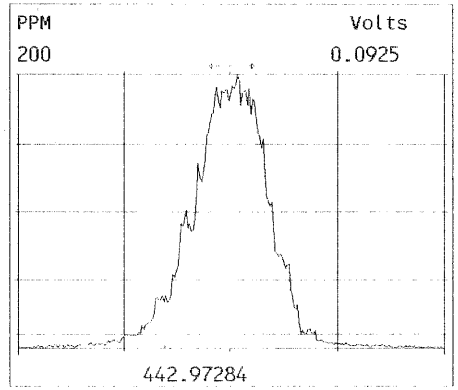




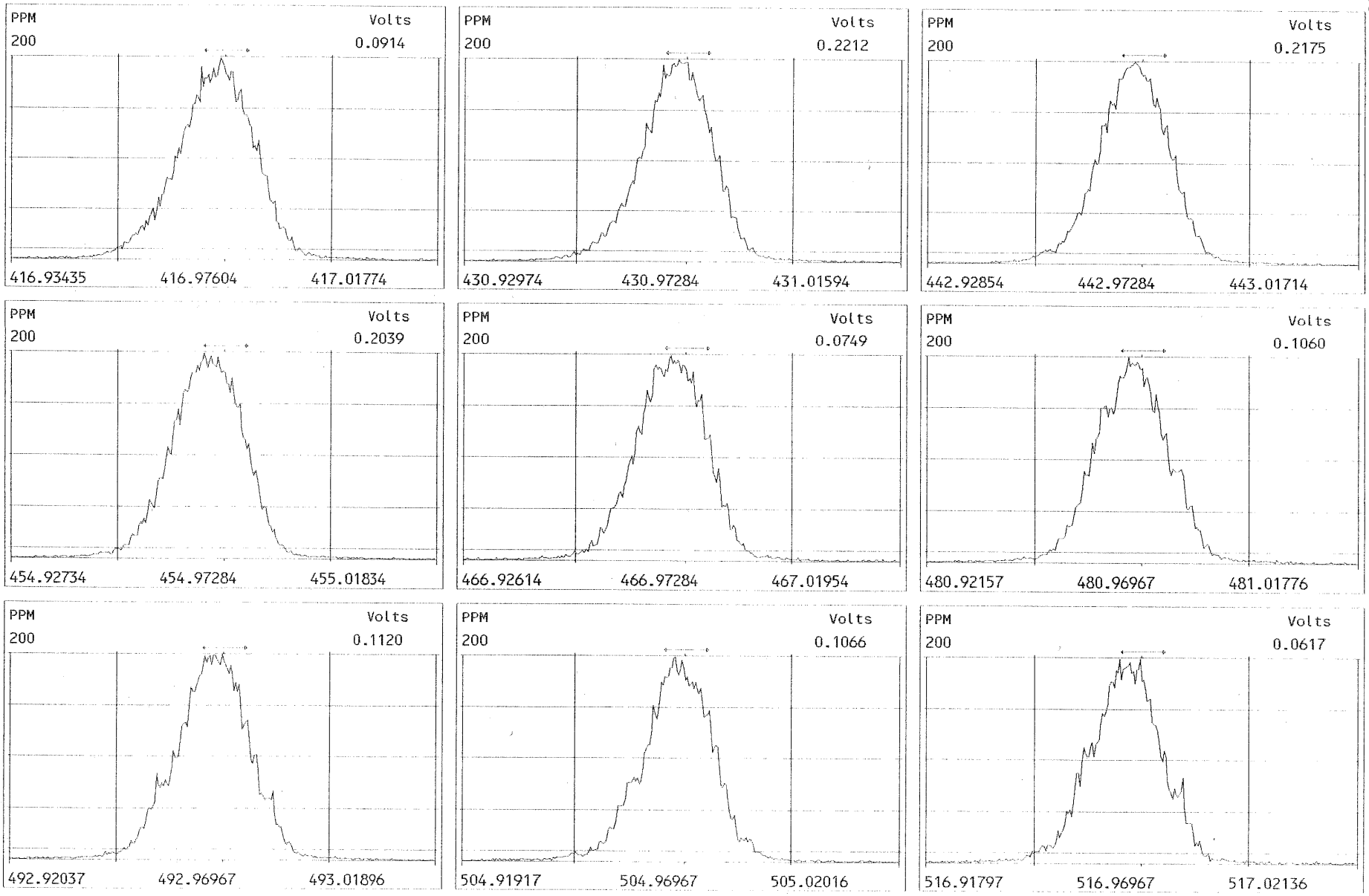




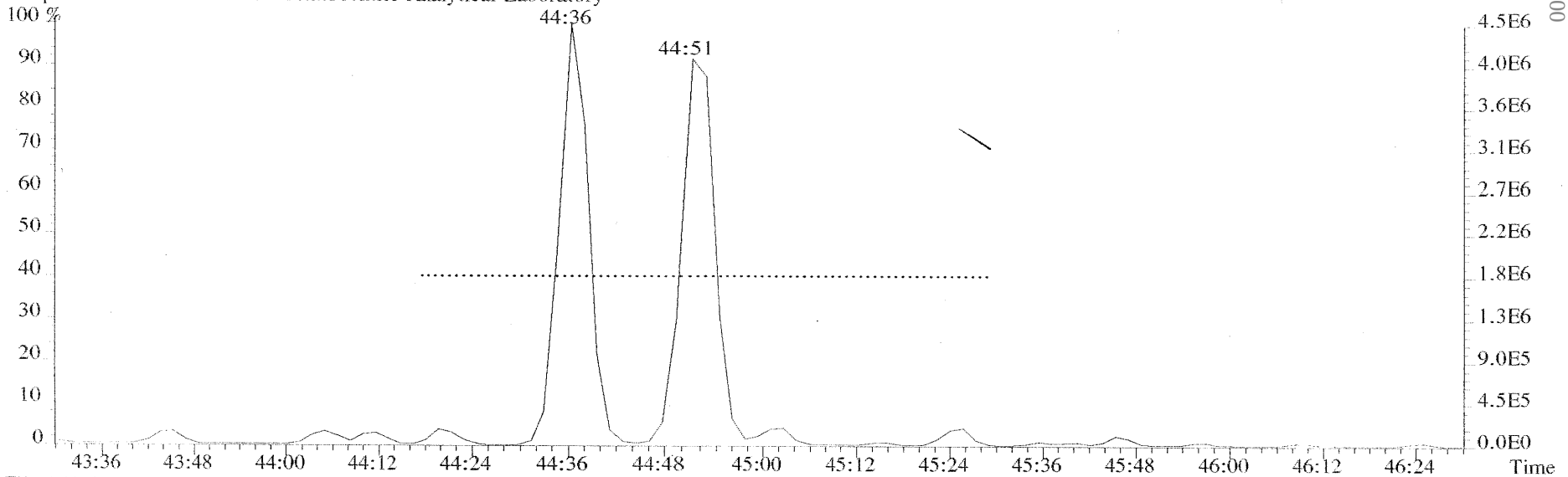




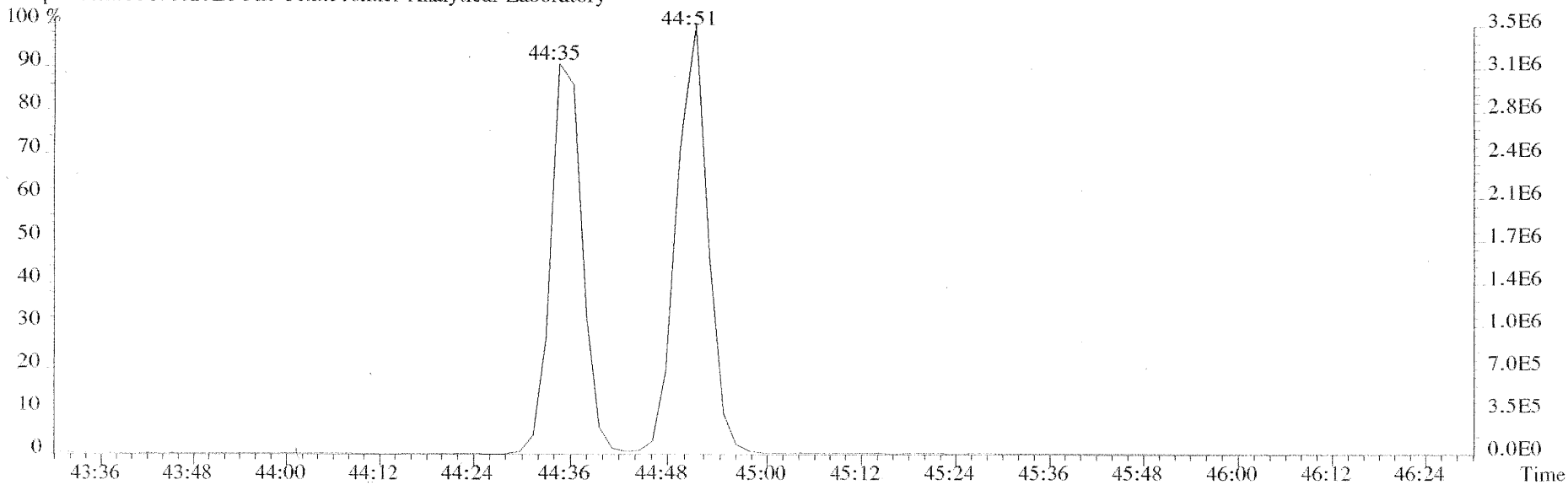
Peak Locate Examination:16-OCT-2020:07:47 File:16OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



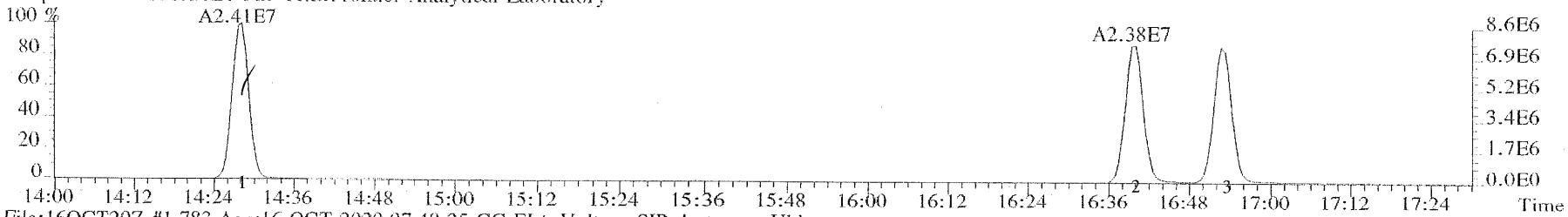
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



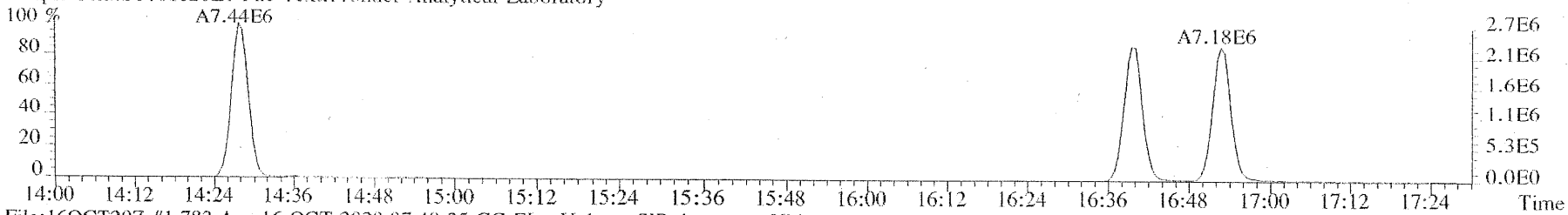
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



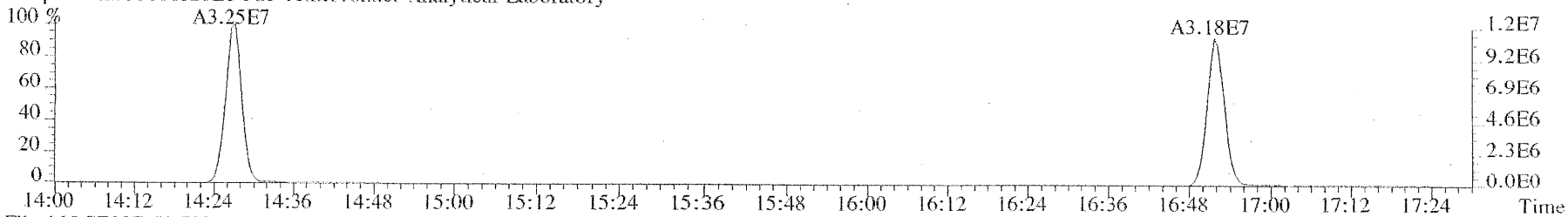
File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



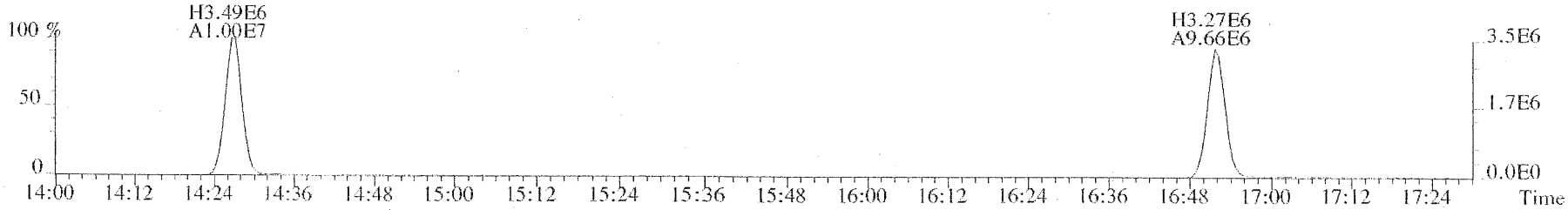
File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



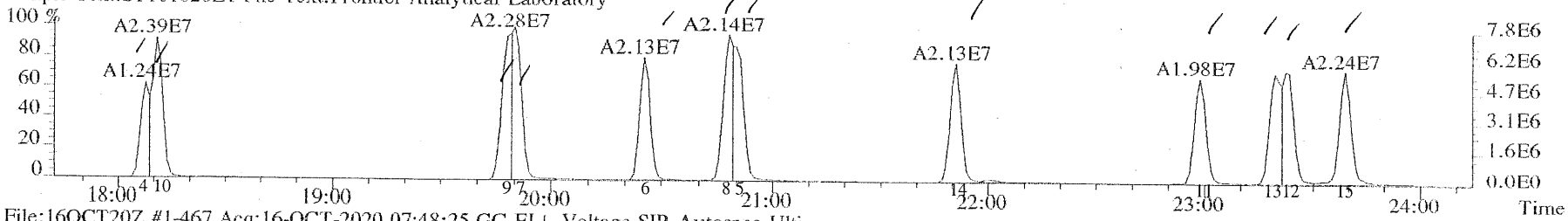
File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



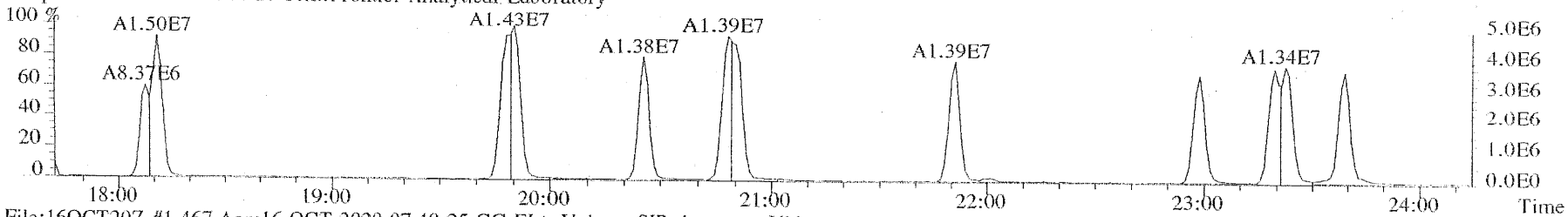
File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



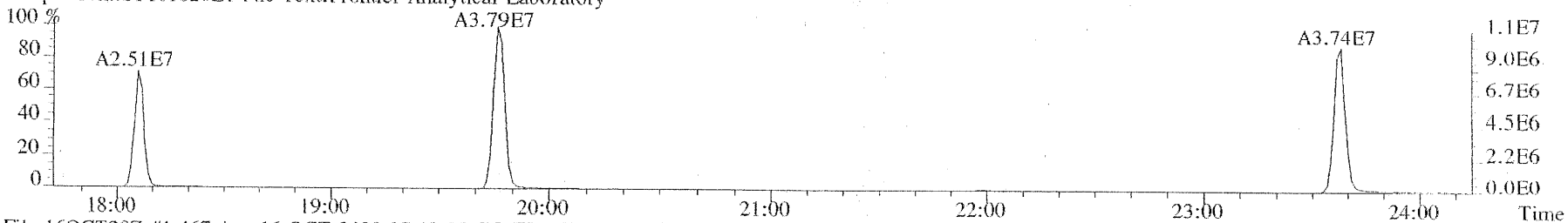
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



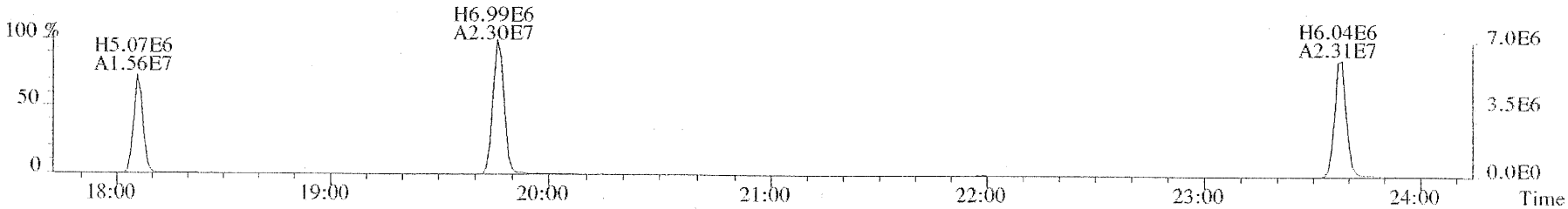
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



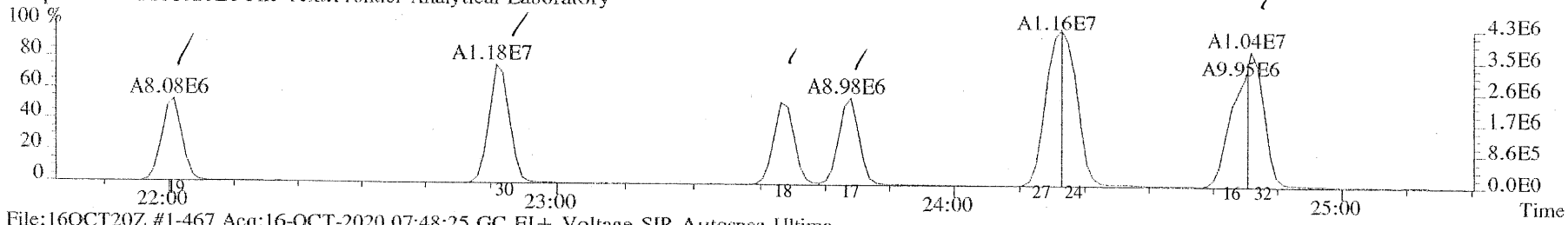
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



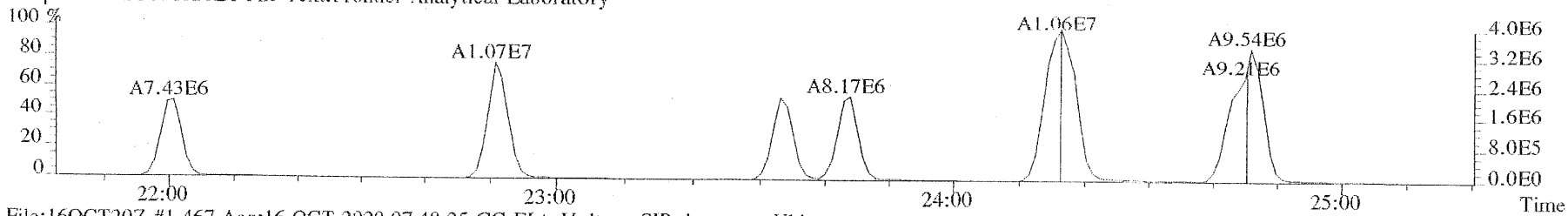
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



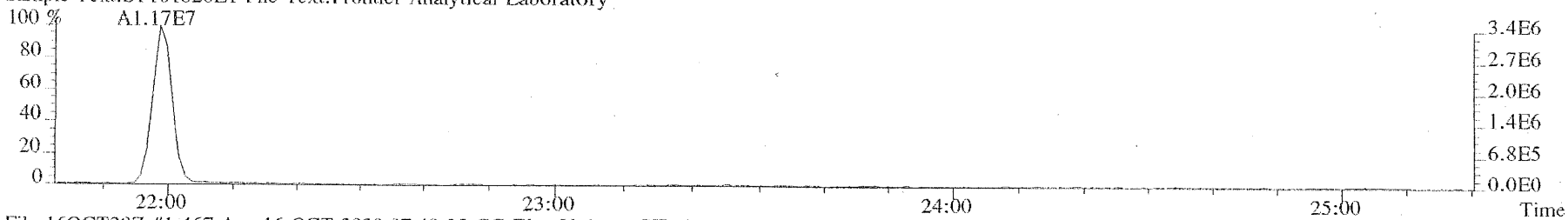
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



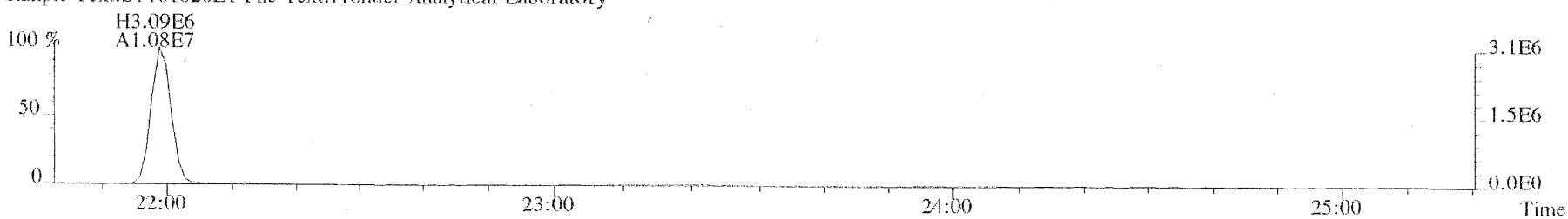
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



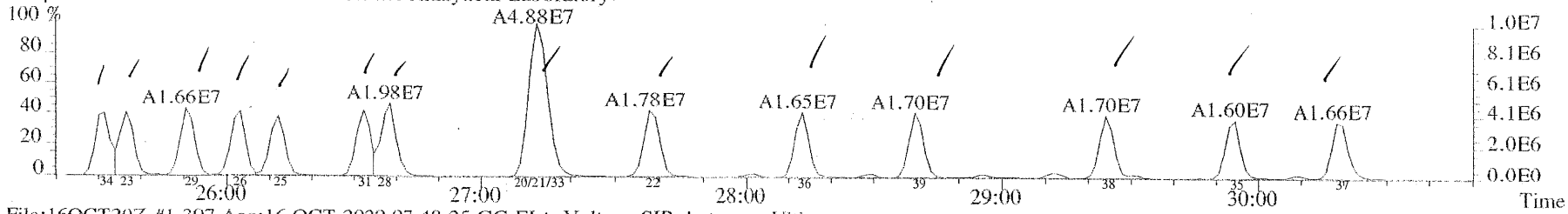
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



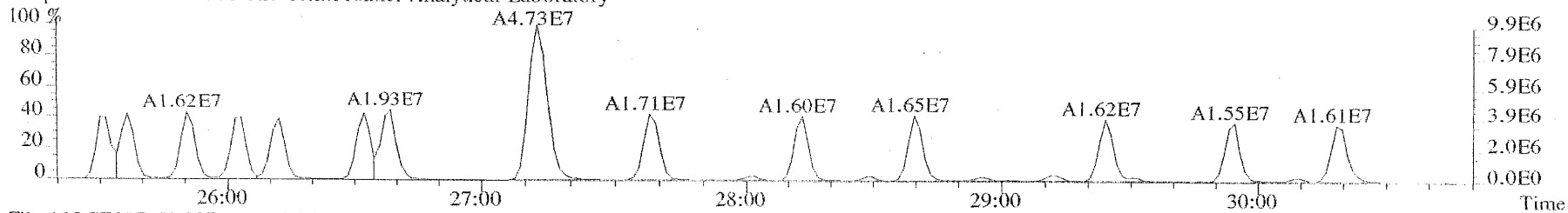
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



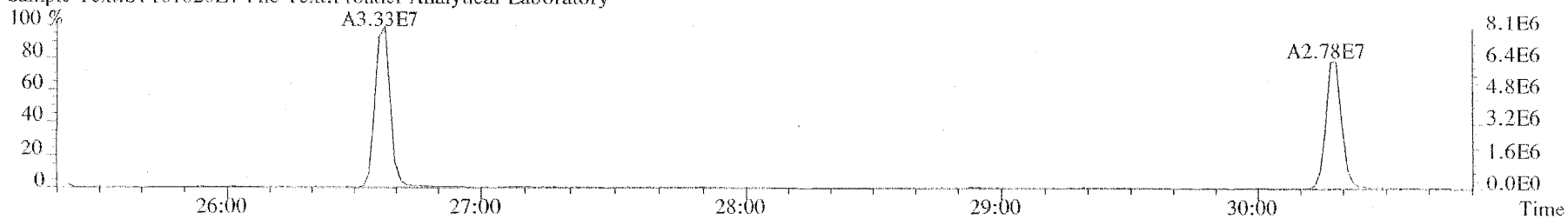
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



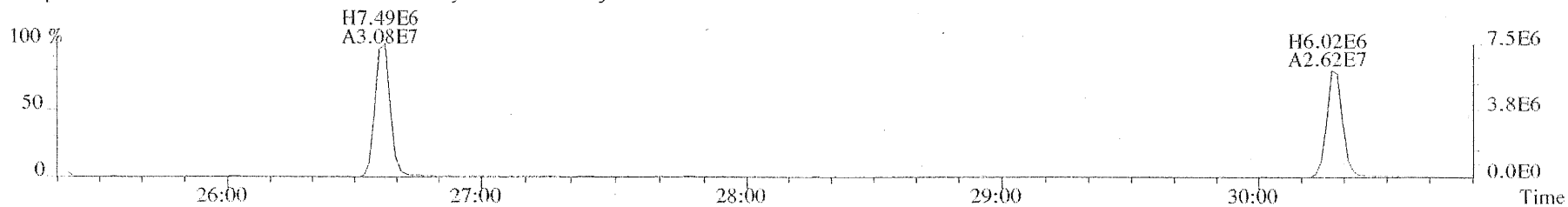
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



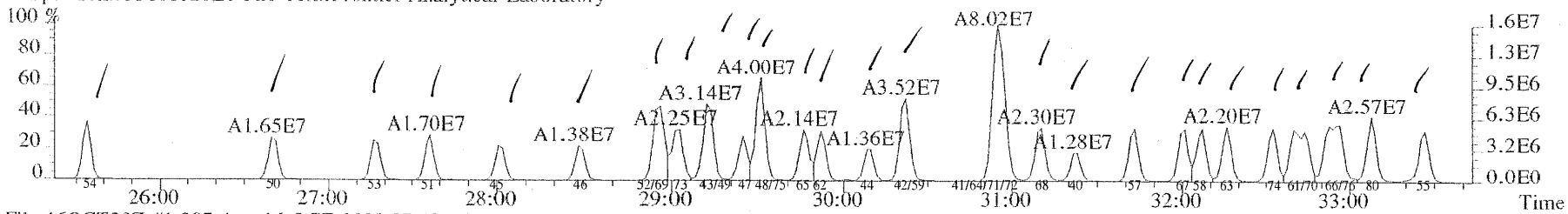
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



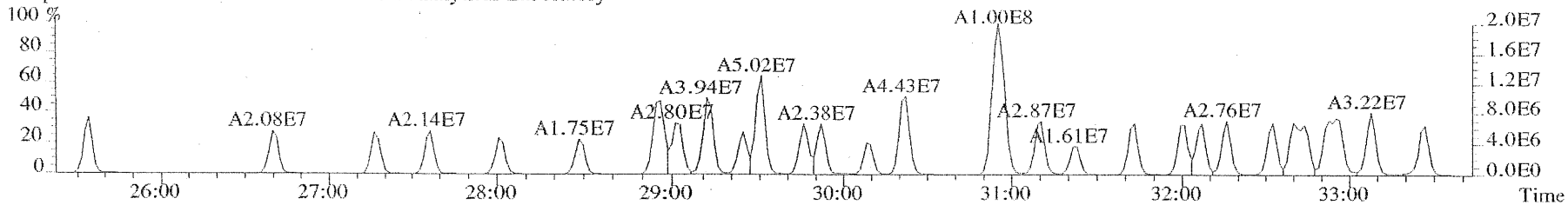
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



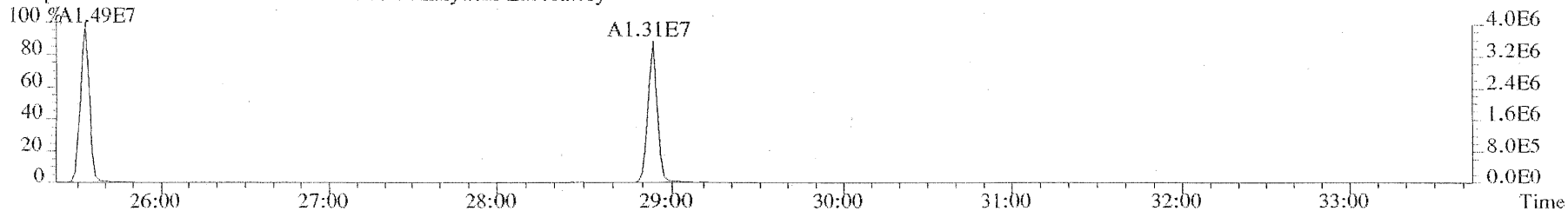
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



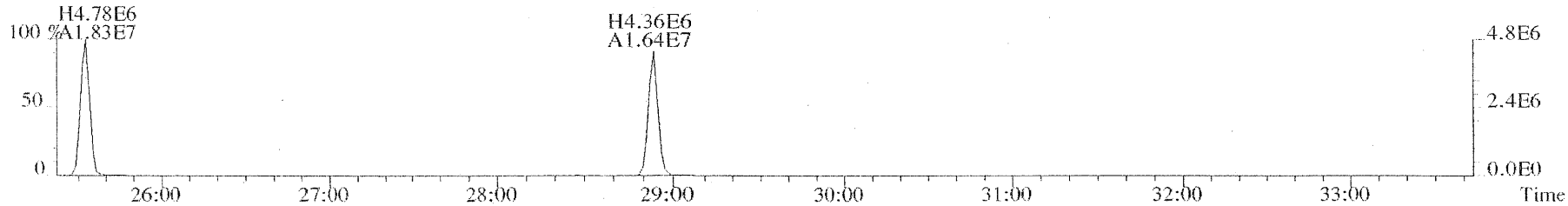
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



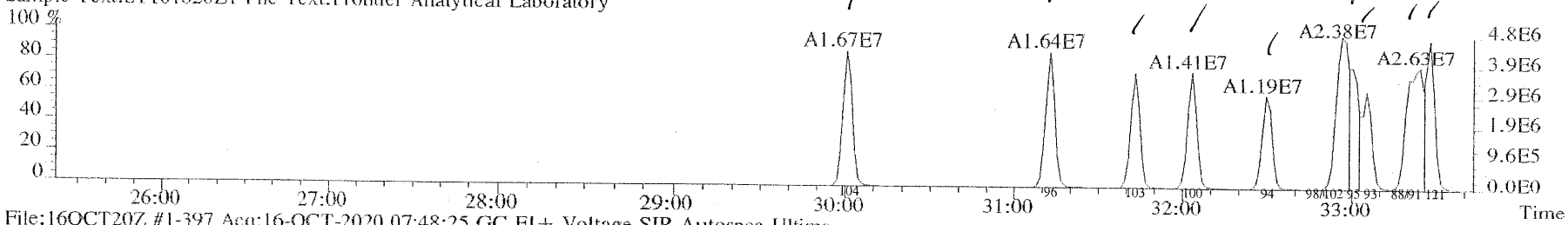
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



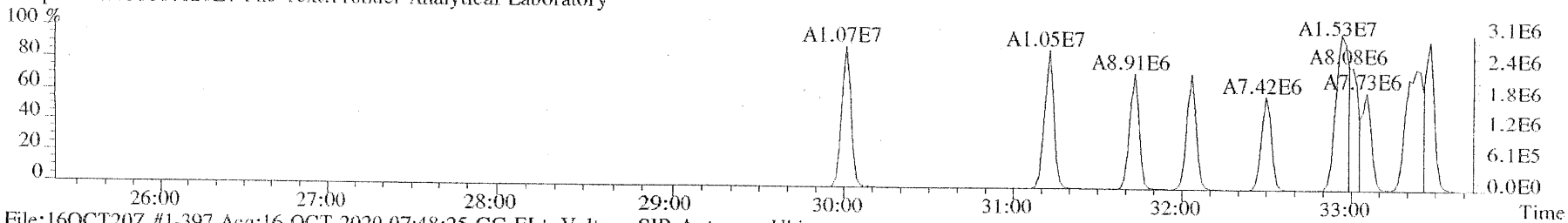
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



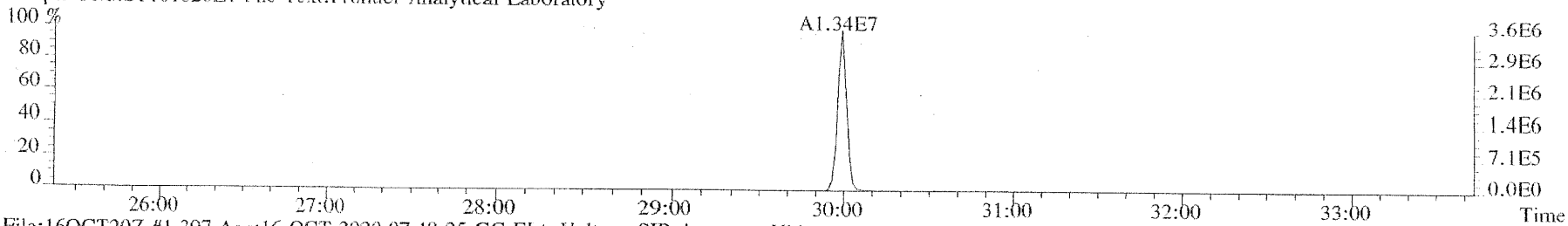
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



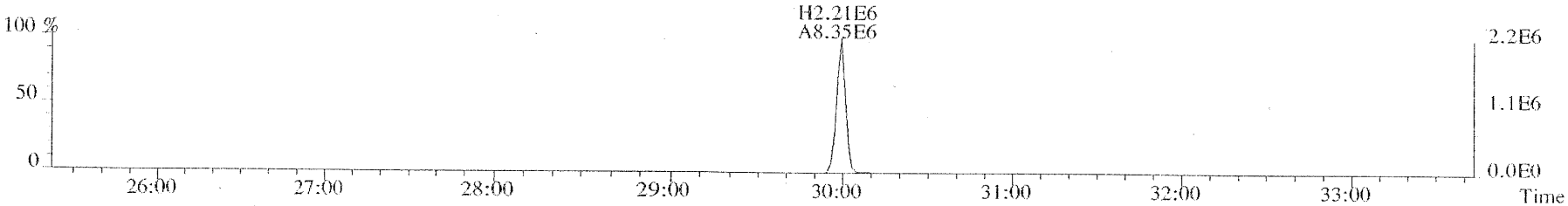
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



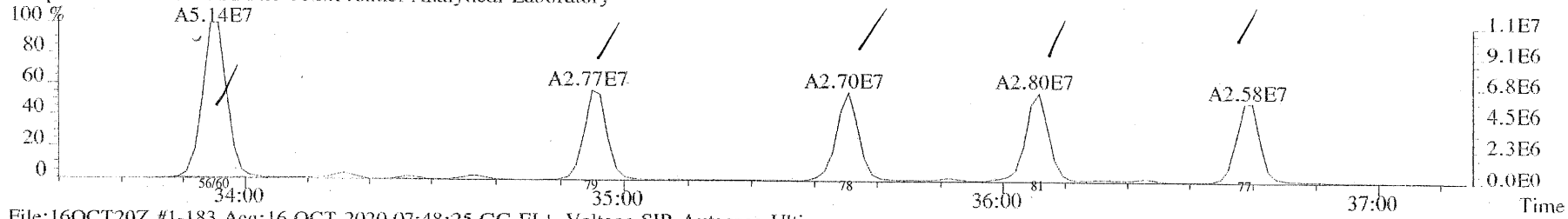
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



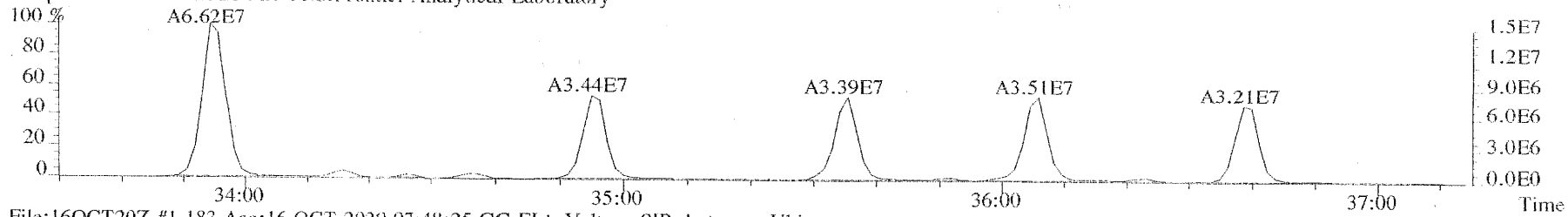
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



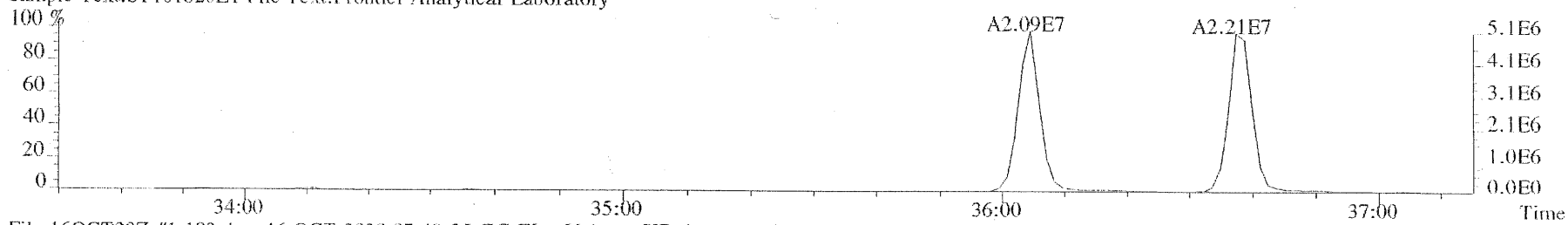
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



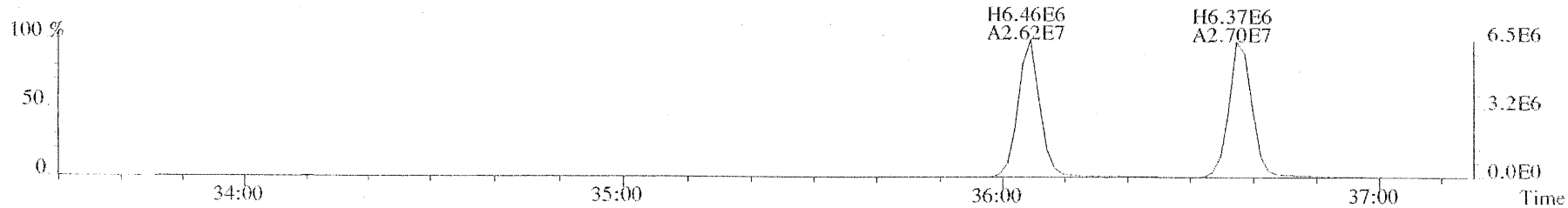
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



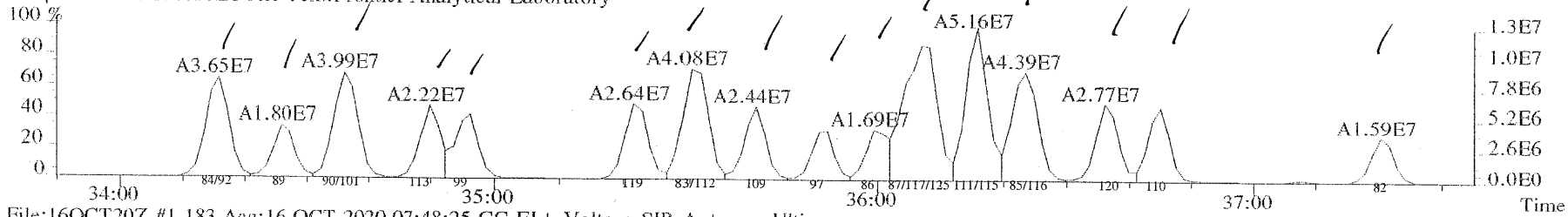
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



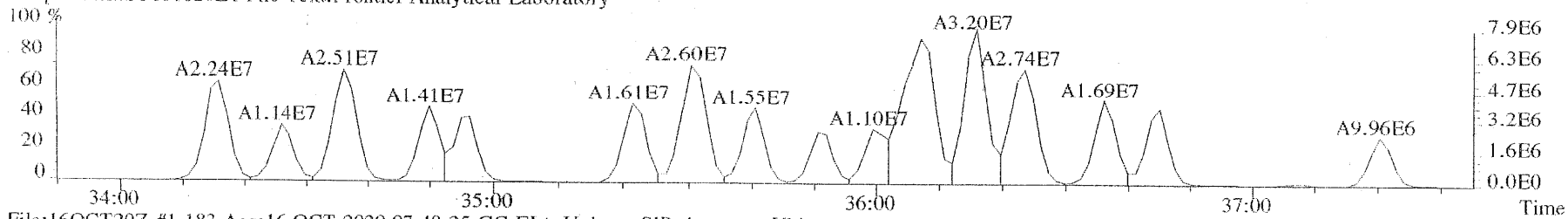
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



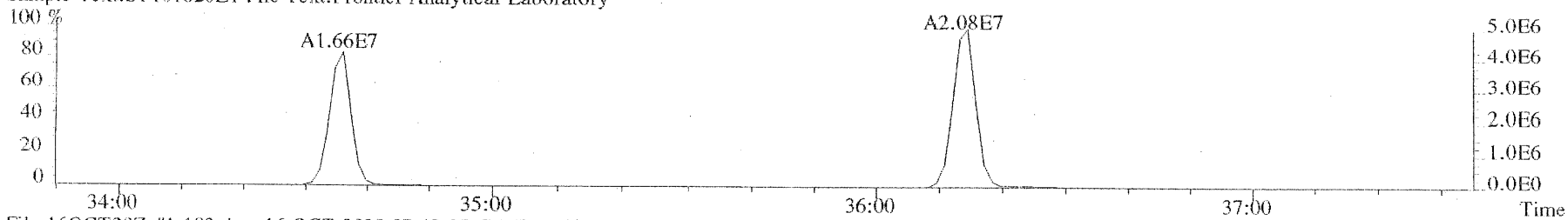
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



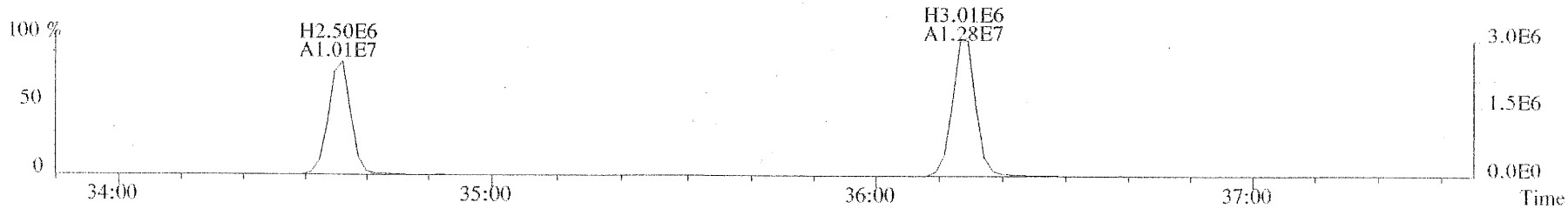
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



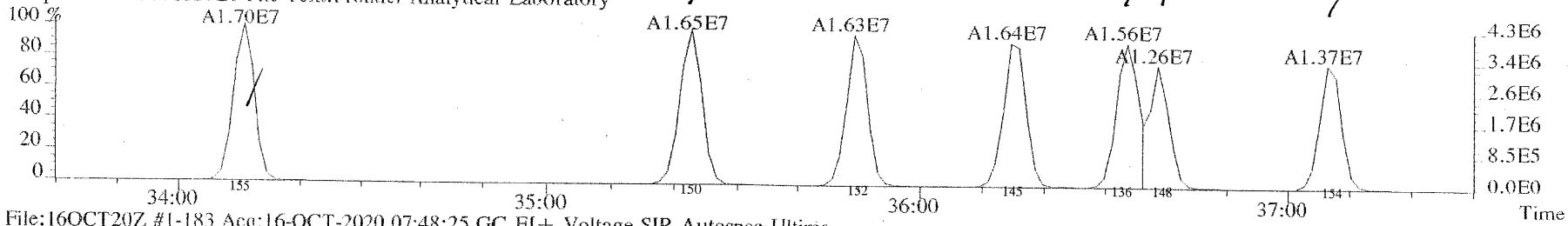
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



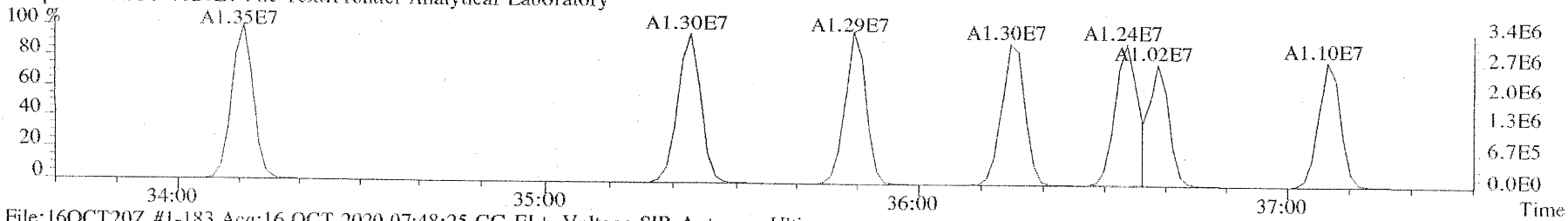
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



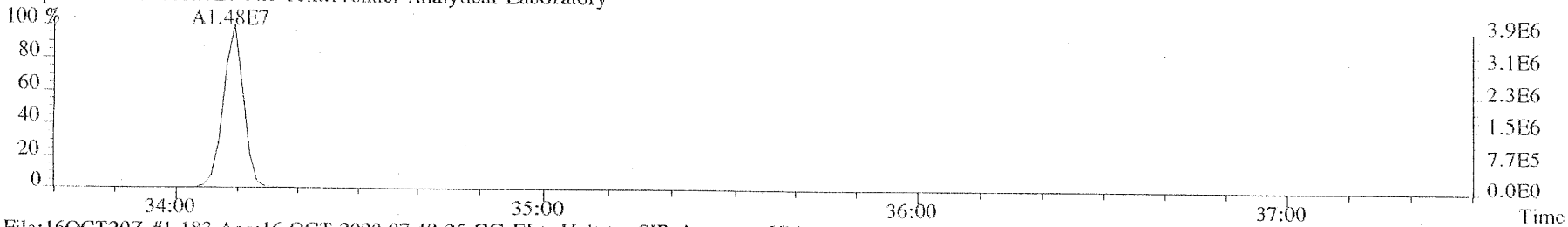
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



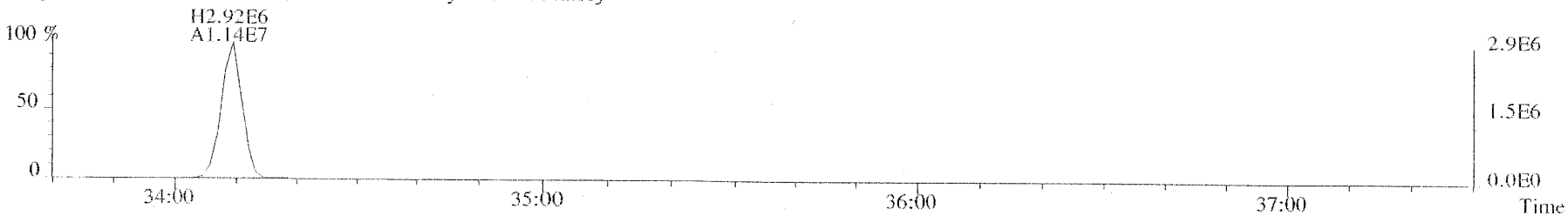
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



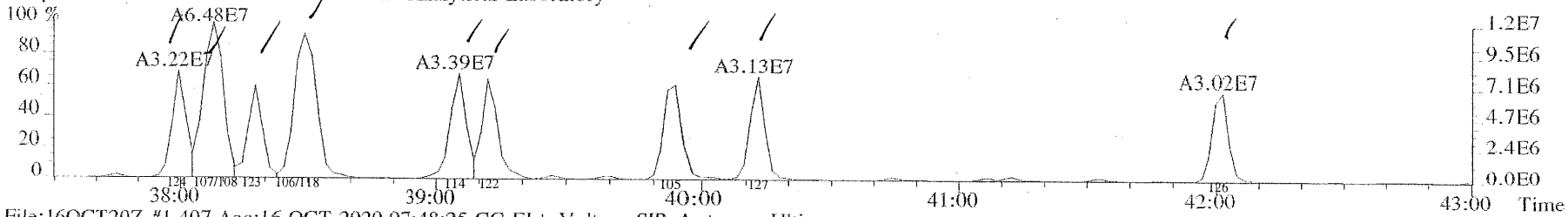
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



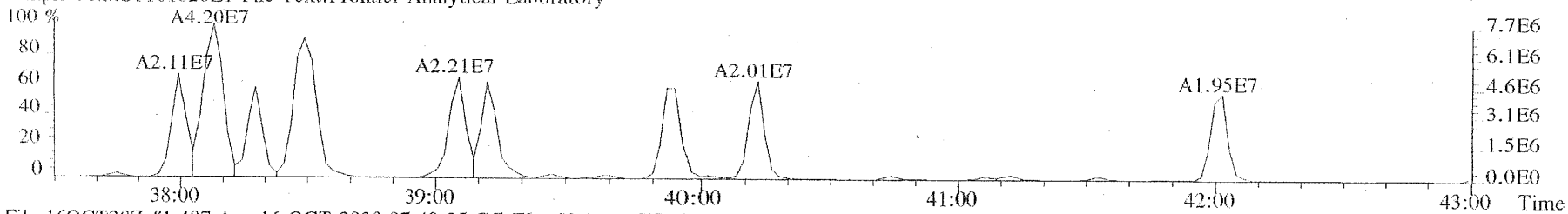
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



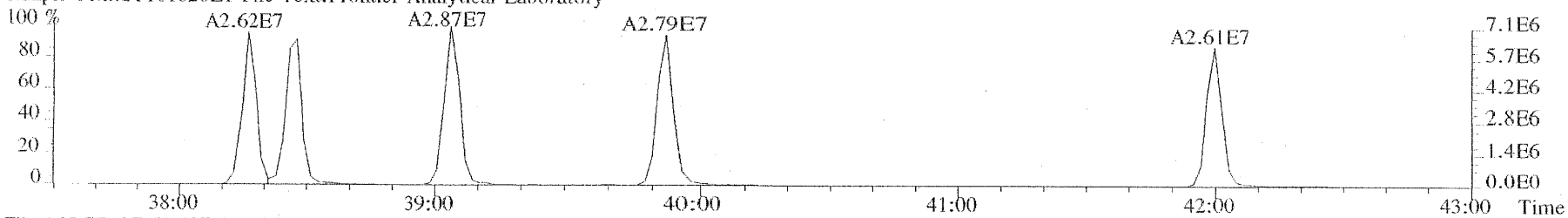
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



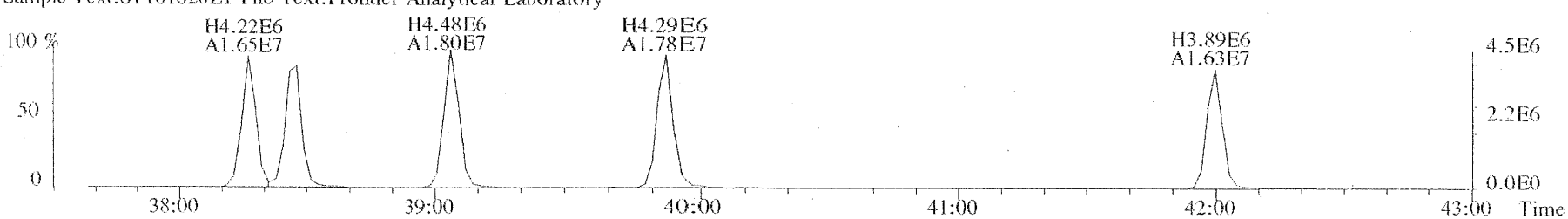
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



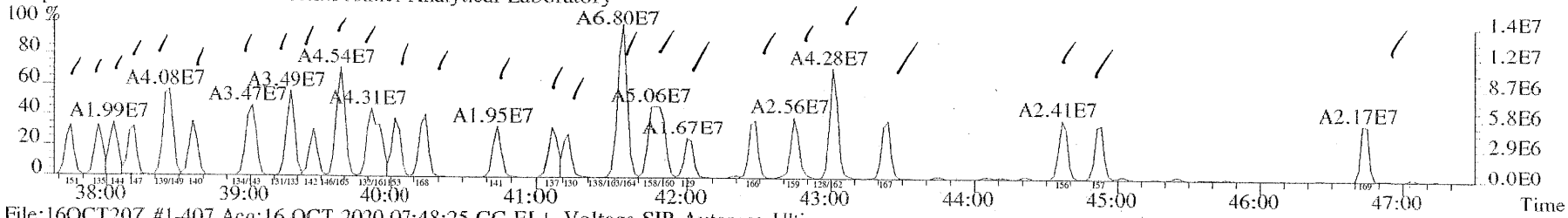
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



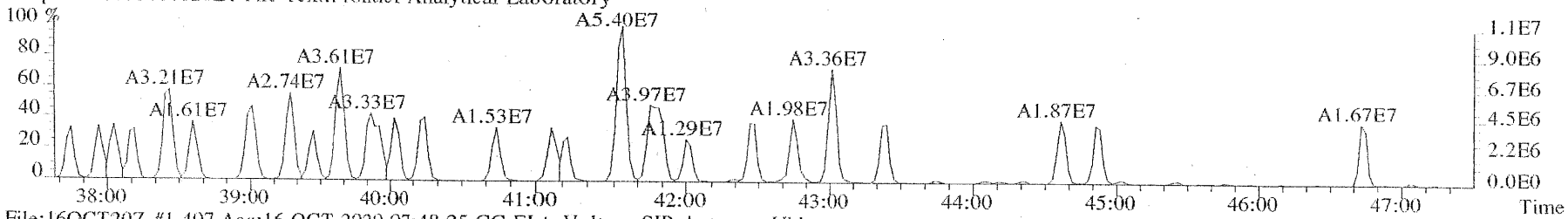
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



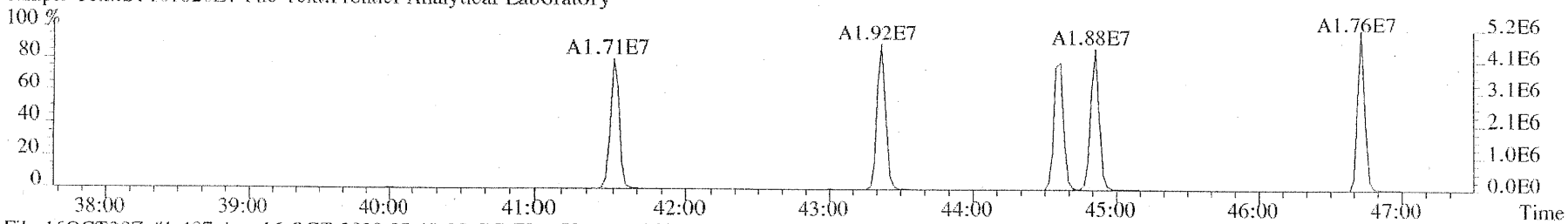
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



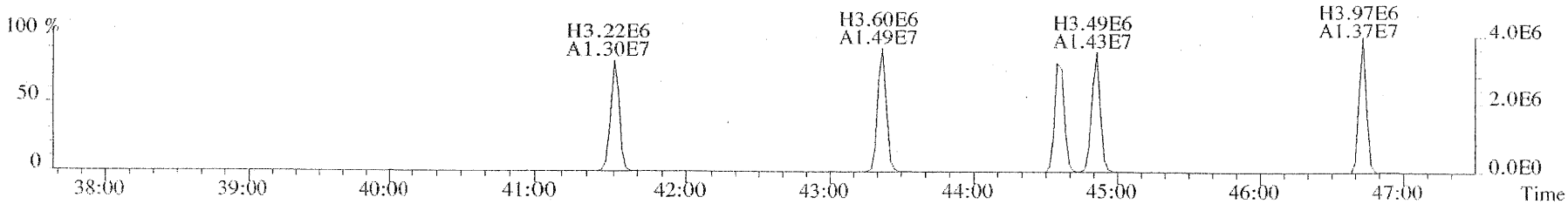
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



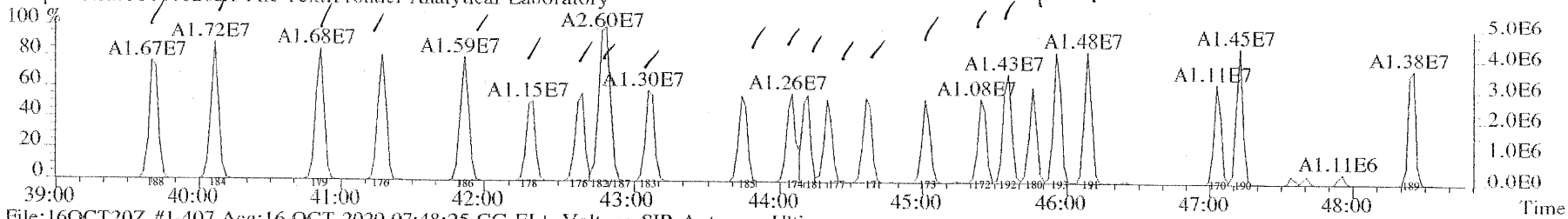
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



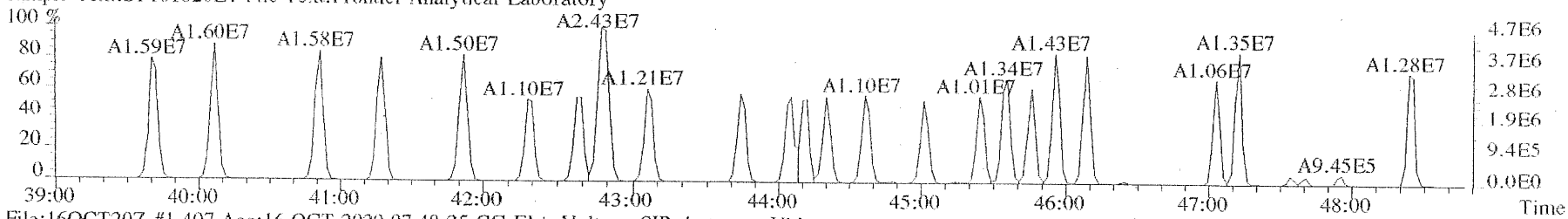
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



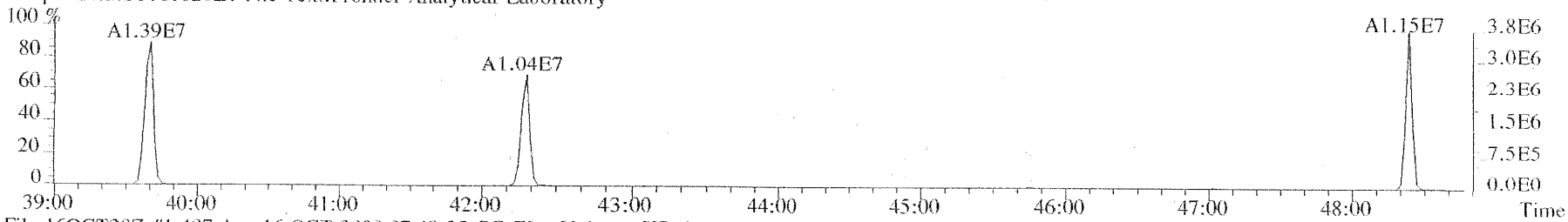
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



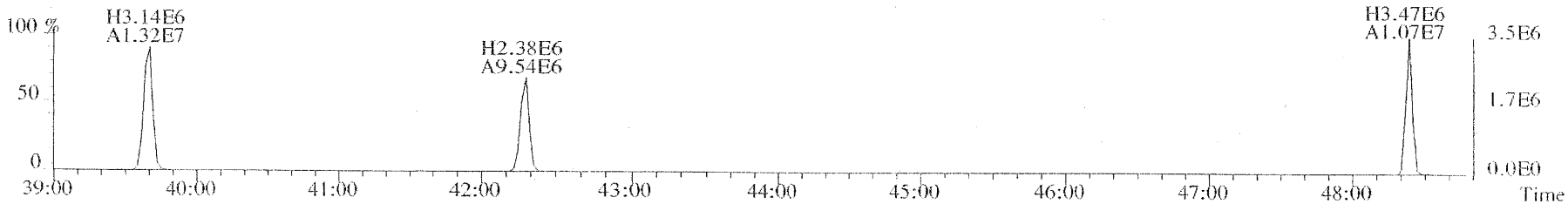
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



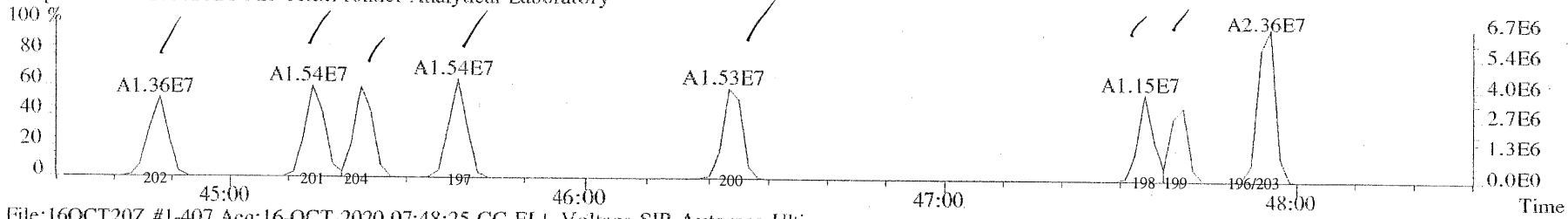
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



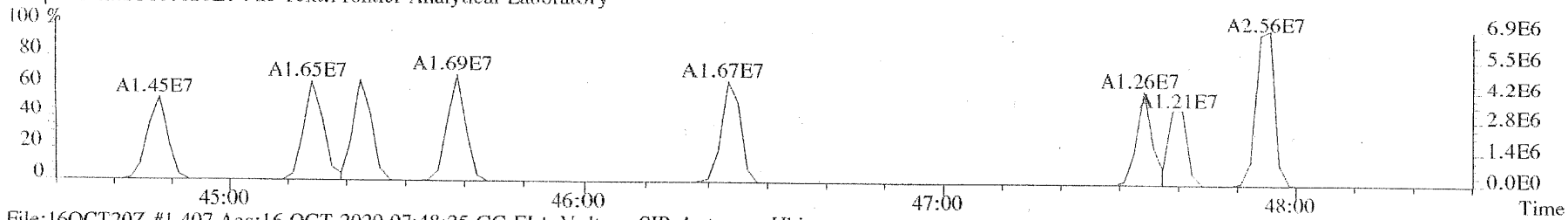
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



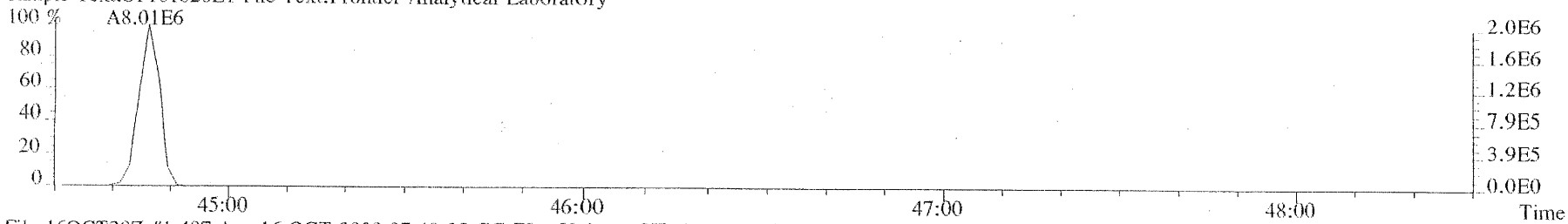
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



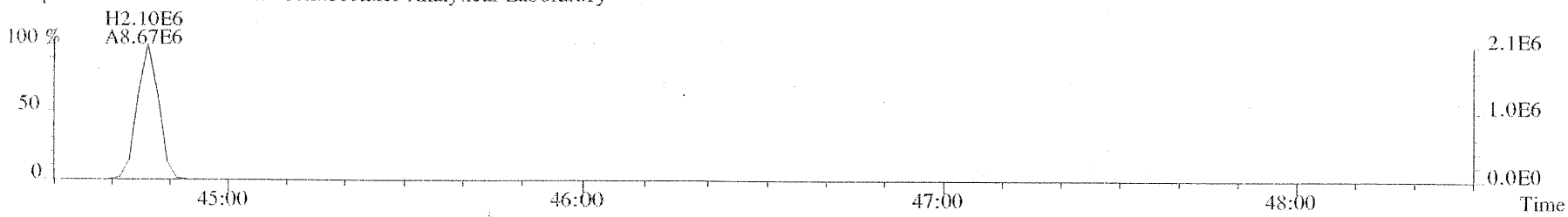
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



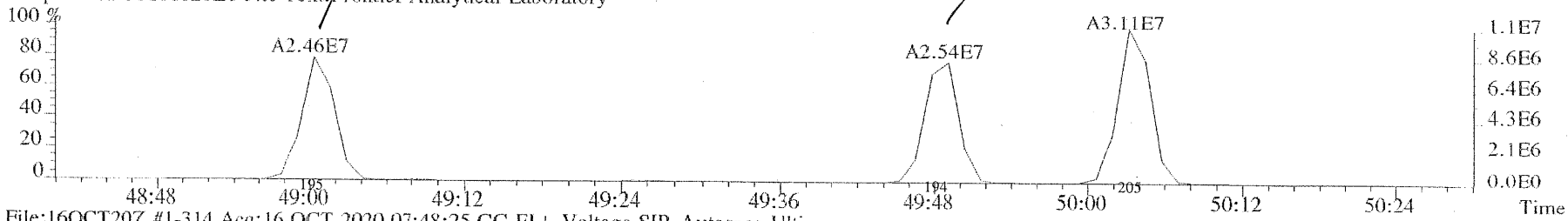
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



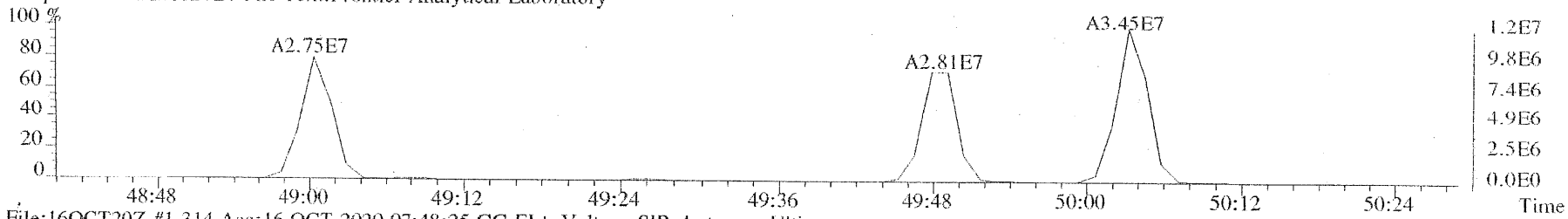
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



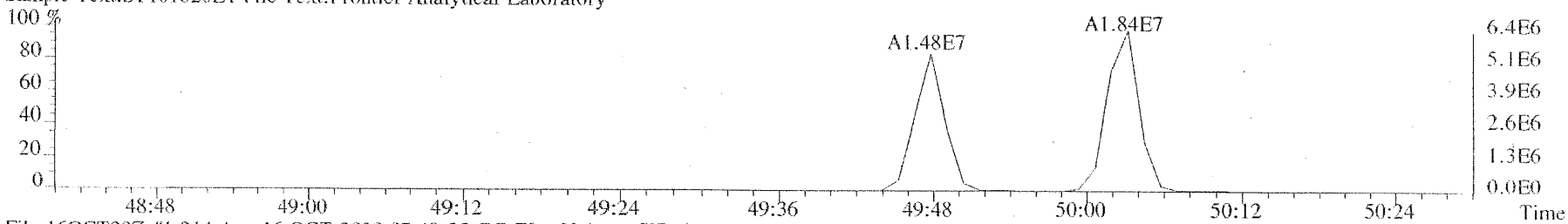
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



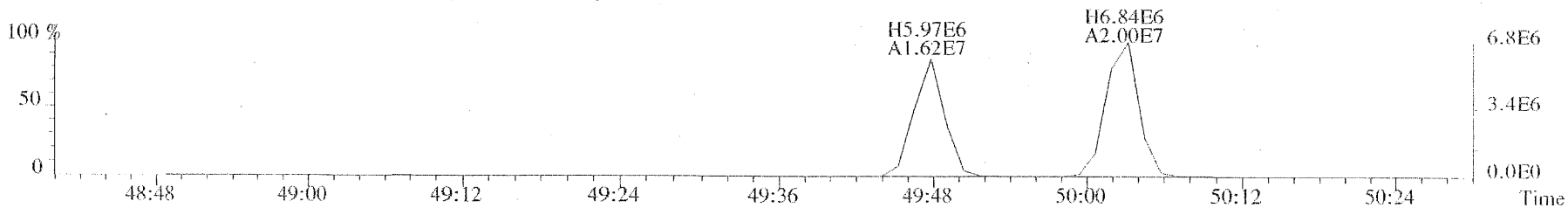
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



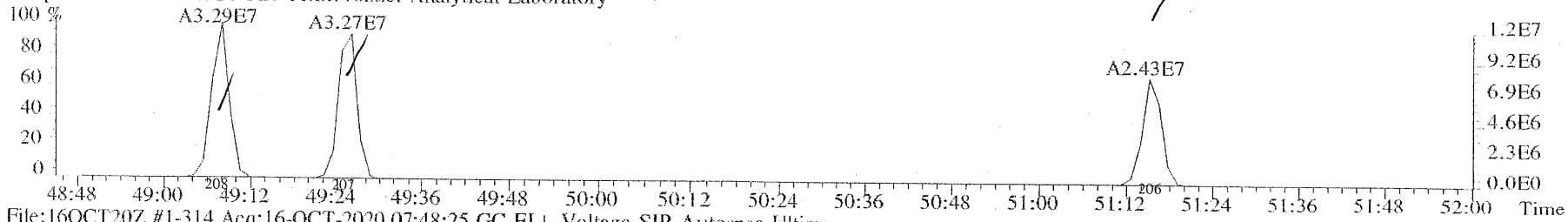
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



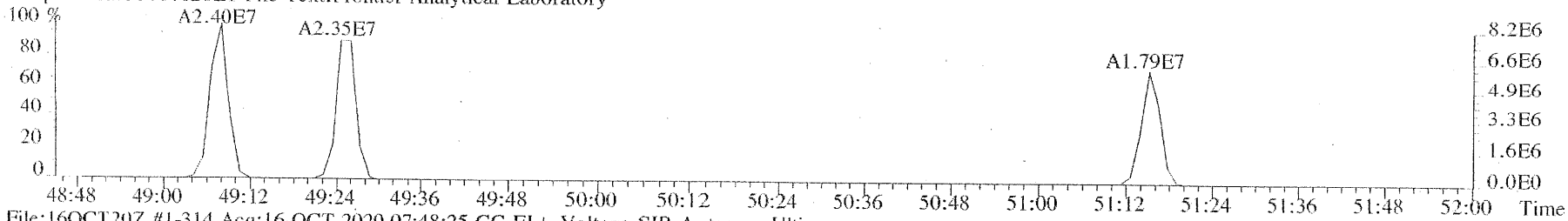
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



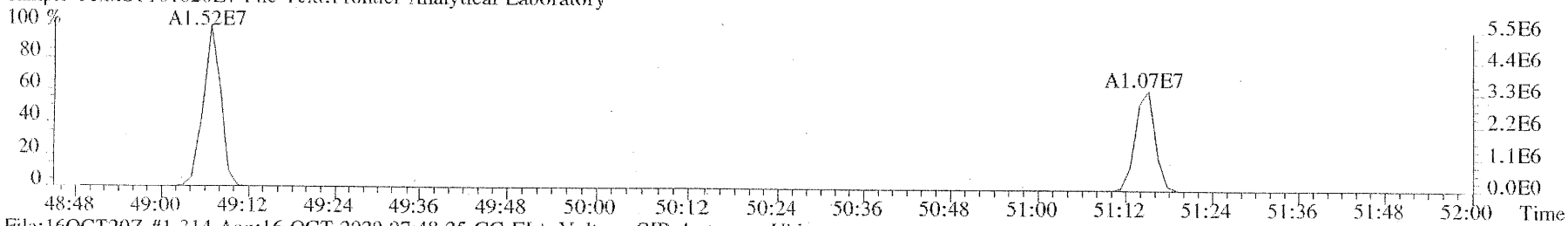
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



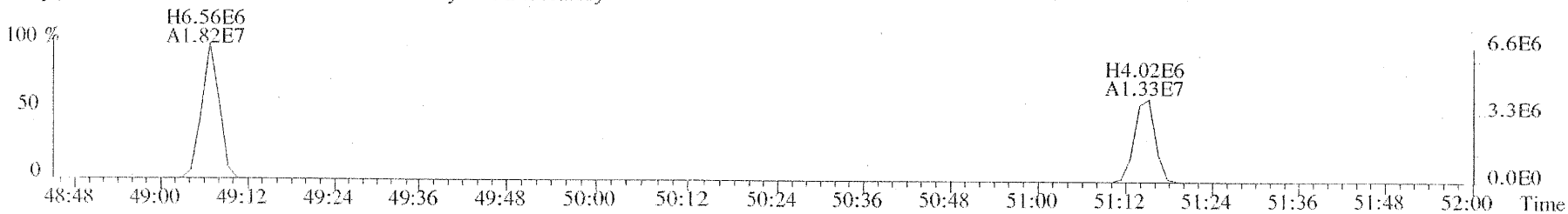
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



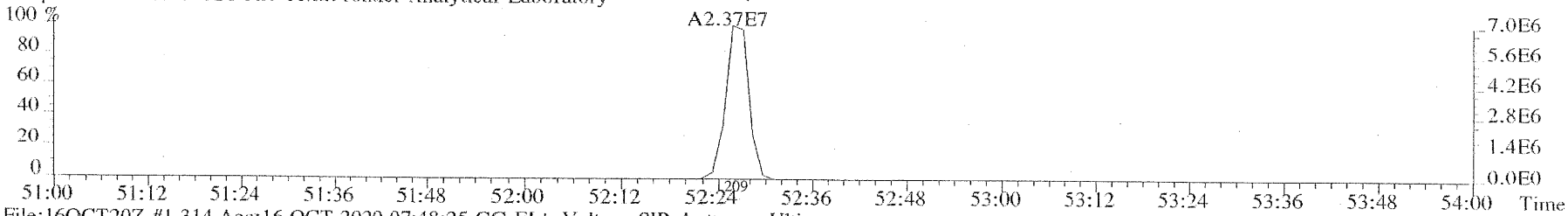
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



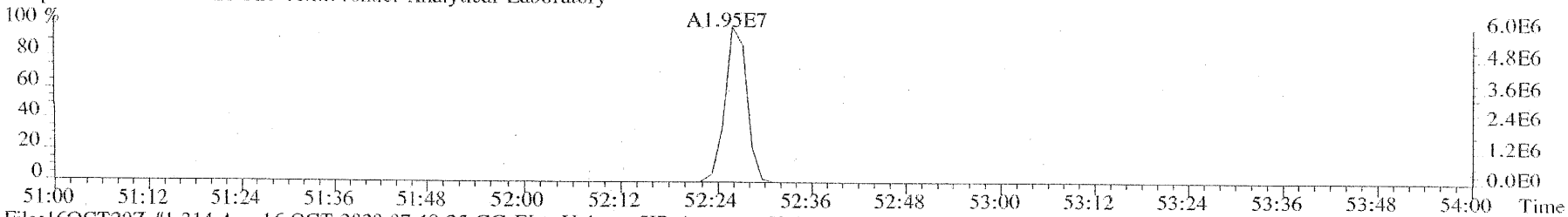
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



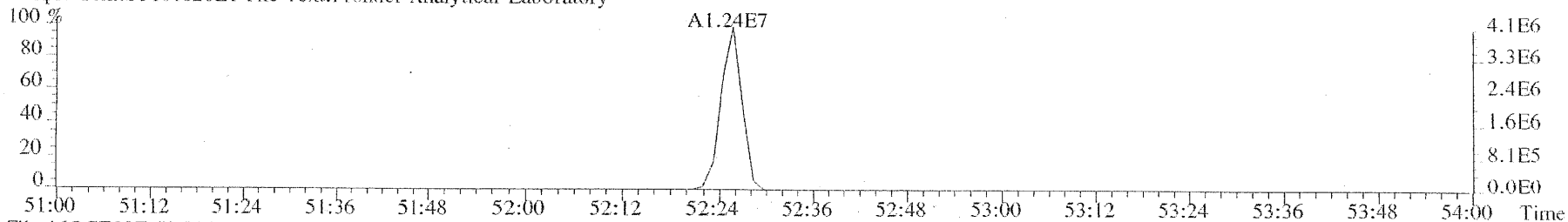
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



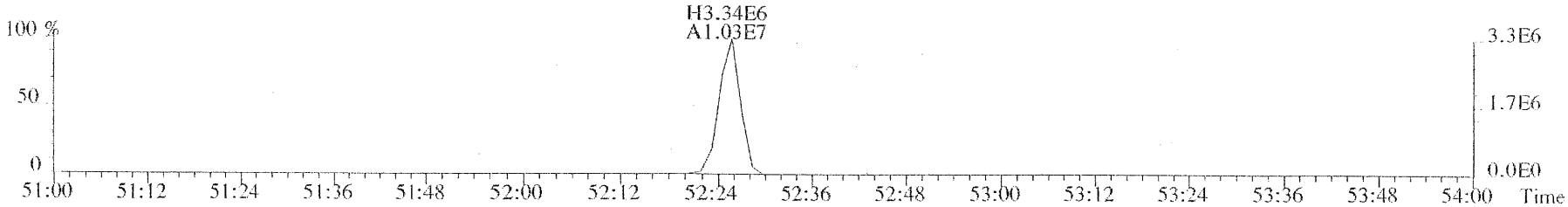
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



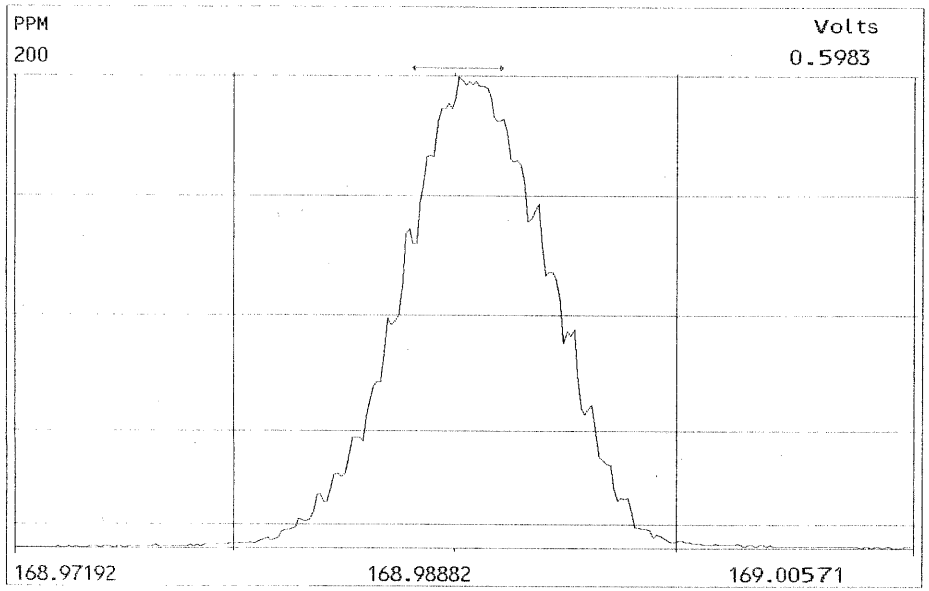
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory

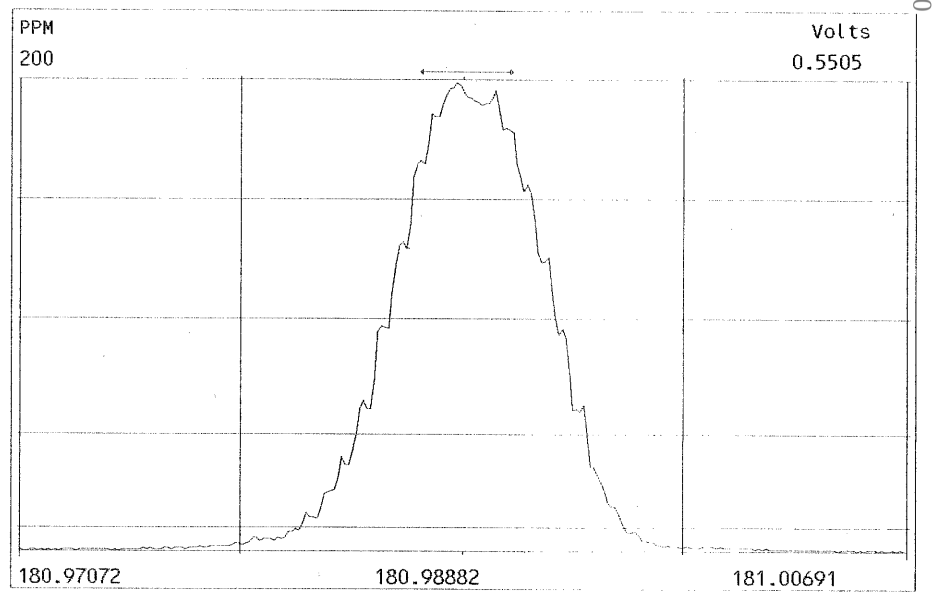


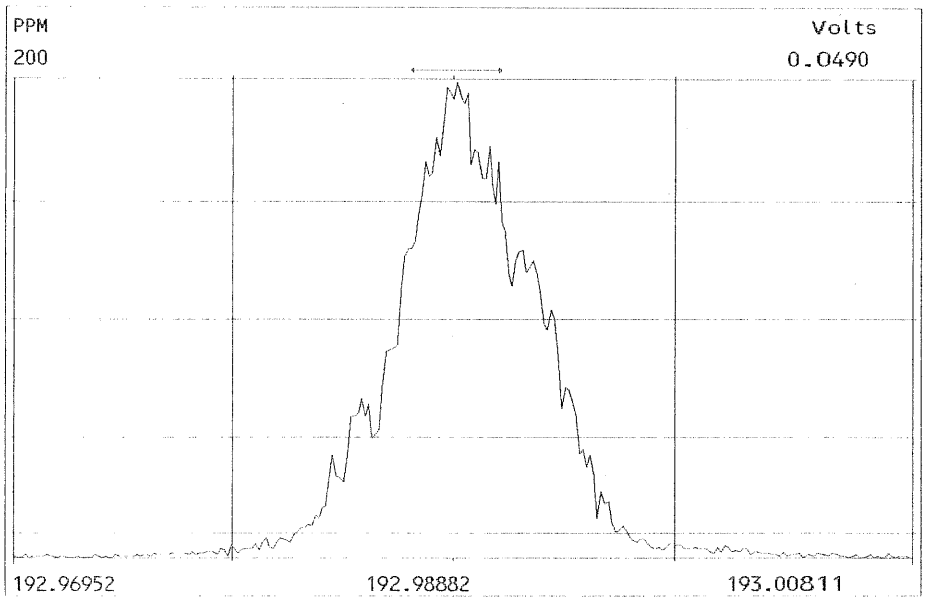
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory

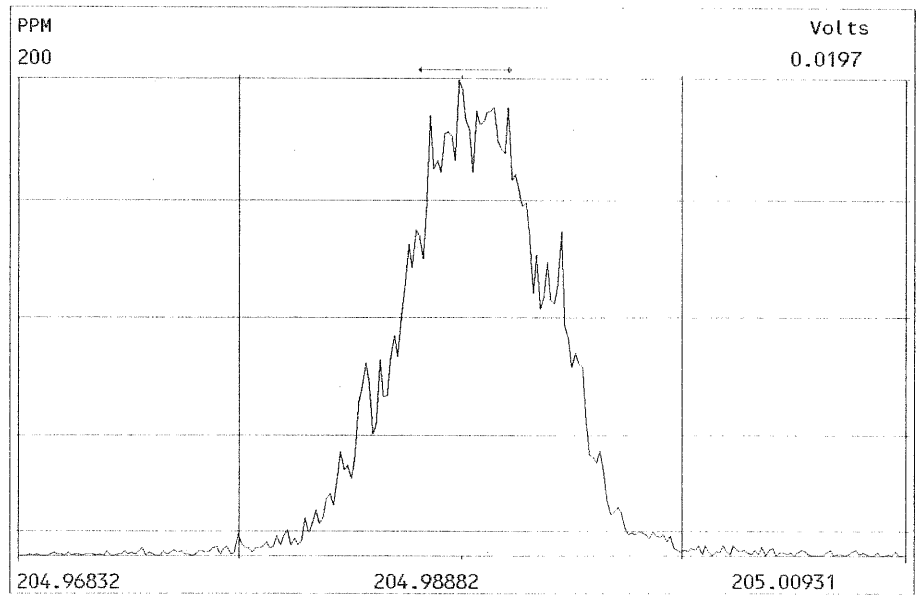


Peak Locate Examination:16-OCT-2020:22:53 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



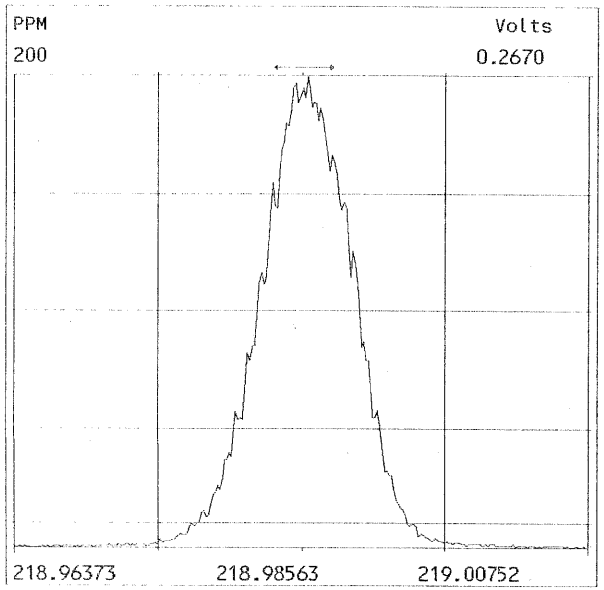


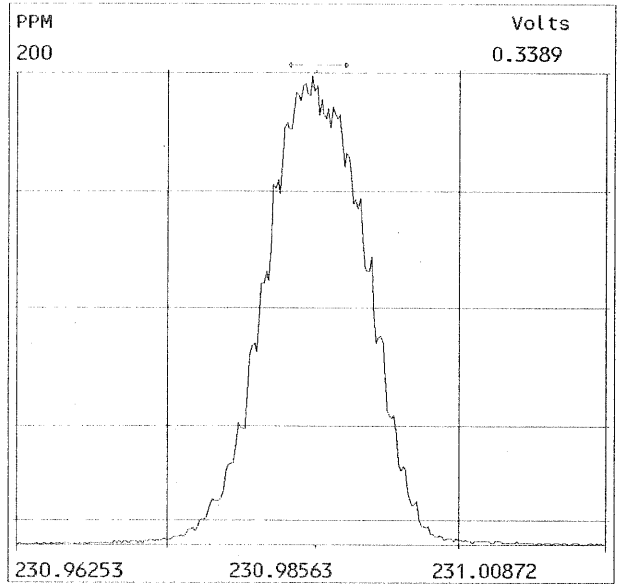


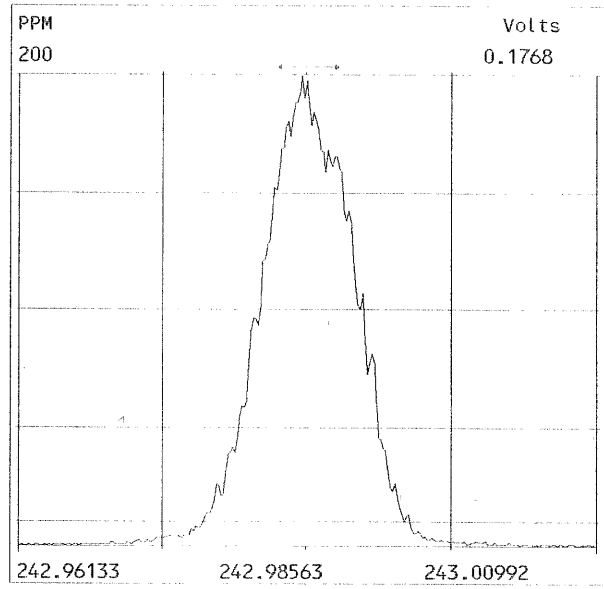


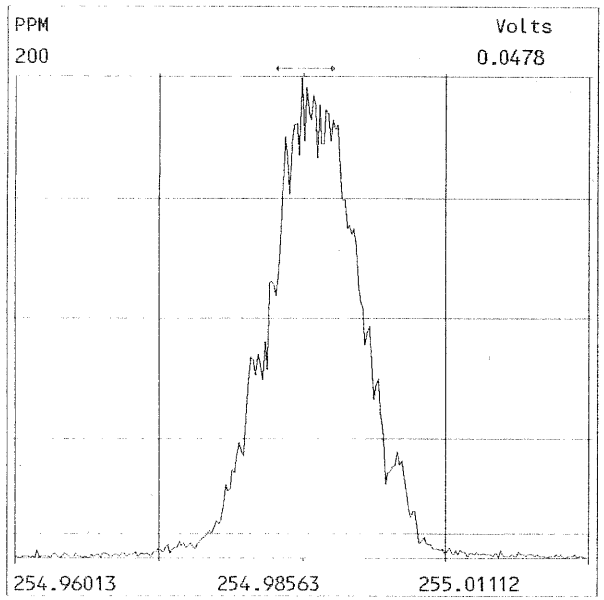
Peak Locate Examination:16-OCT-2020:22:55 File:16OCT20Z_RES_CHECK

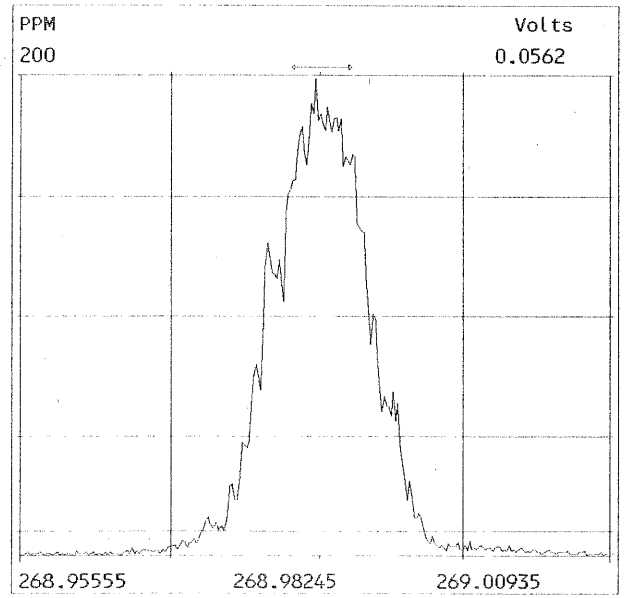
Experiment:1668PCB Function:2 Reference:PFK

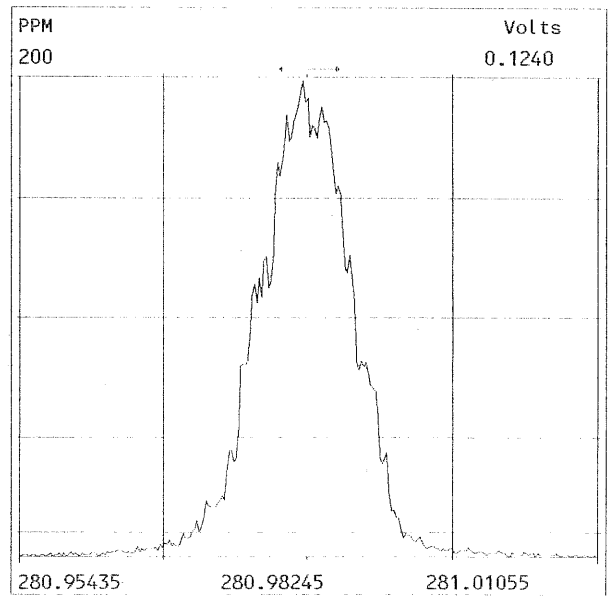




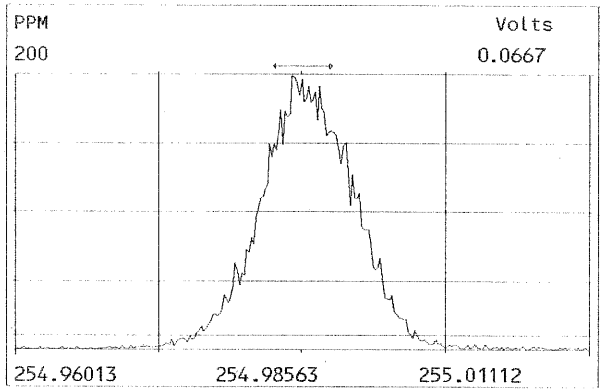


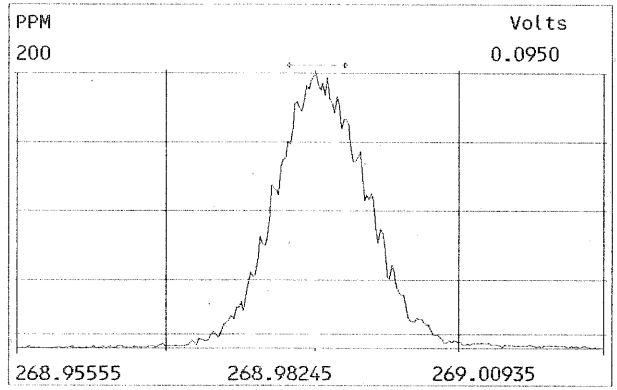


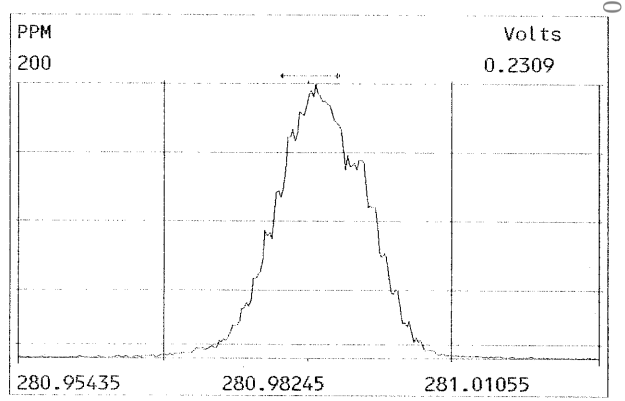


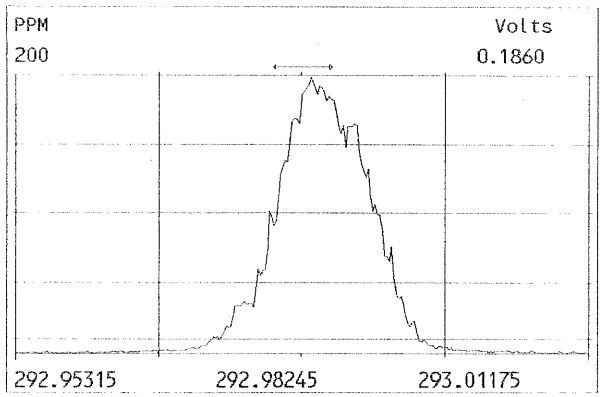


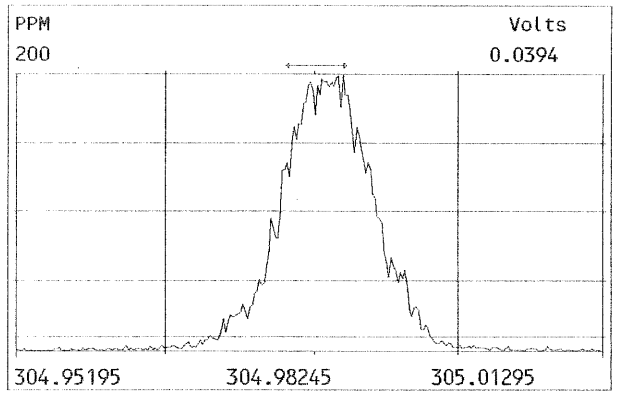
Peak Locate Examination:16-OCT-2020:22:57 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

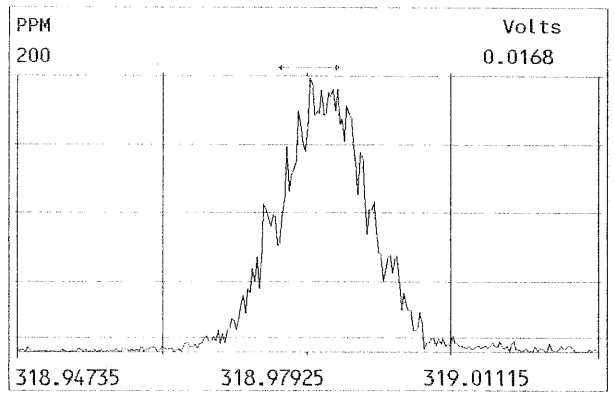


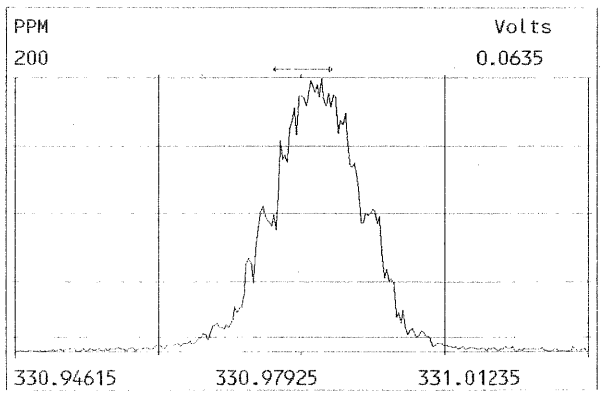


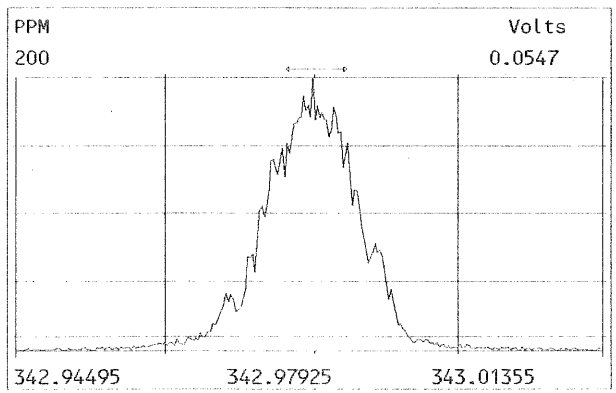






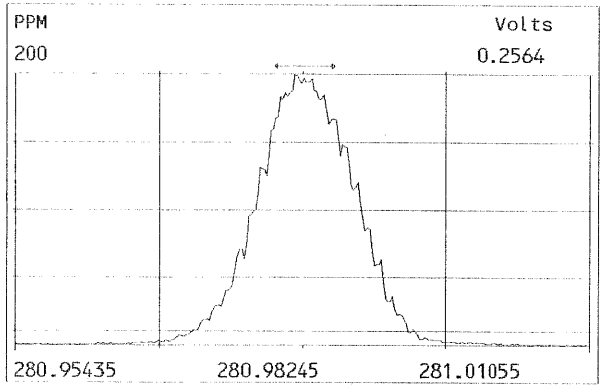


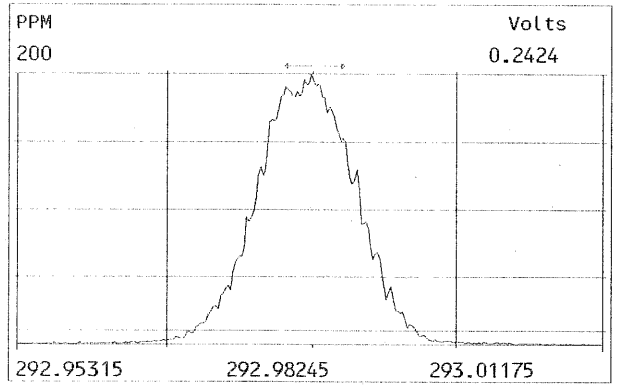


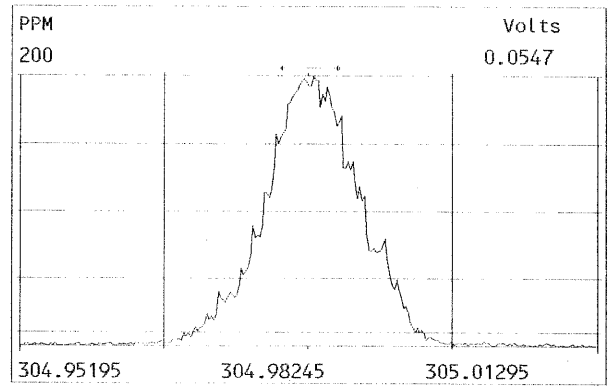


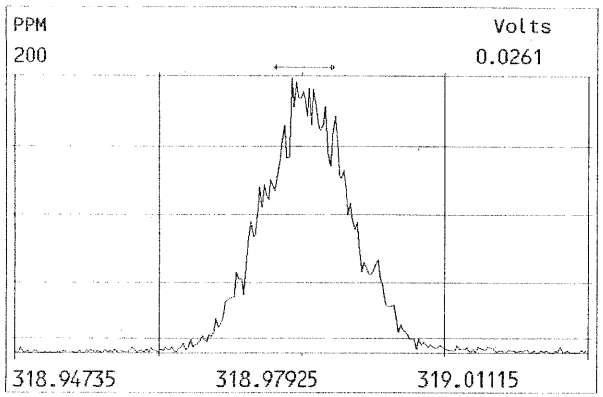
Peak Locate Examination:16-OCT-2020:23:00 File:16OCT20Z_RES_CHECK

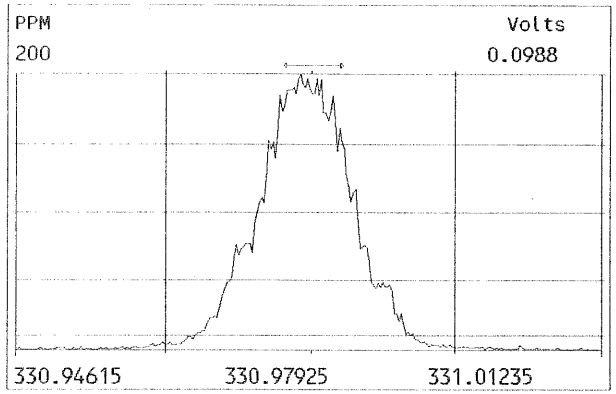
Experiment:1668PCB Function:4 Reference:PFK

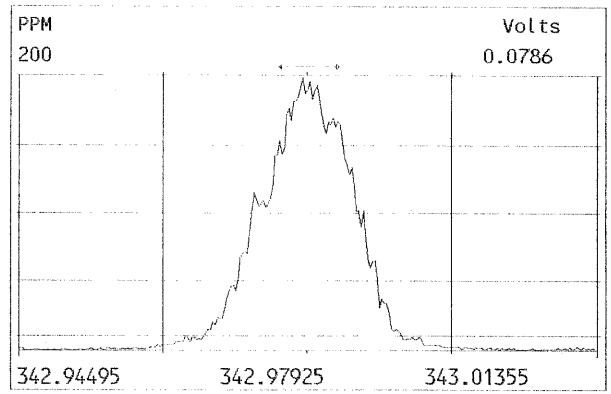


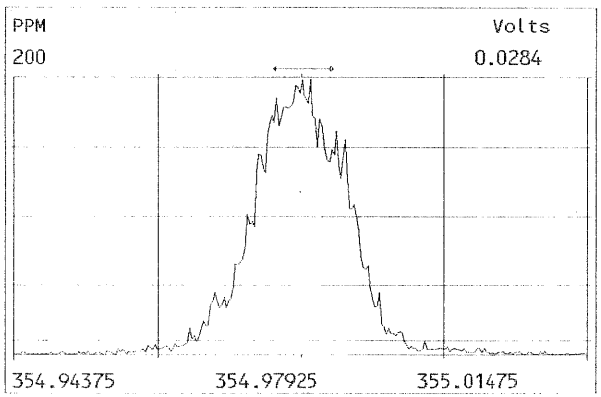


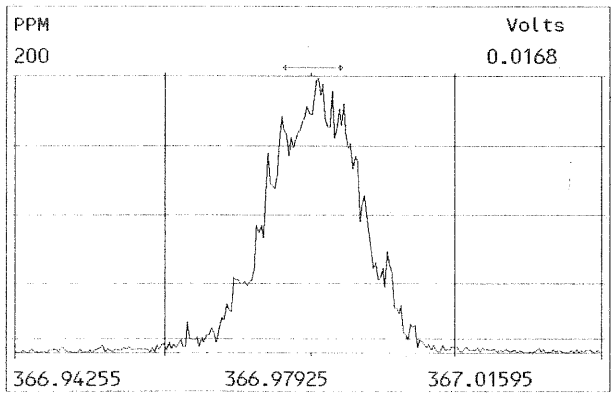


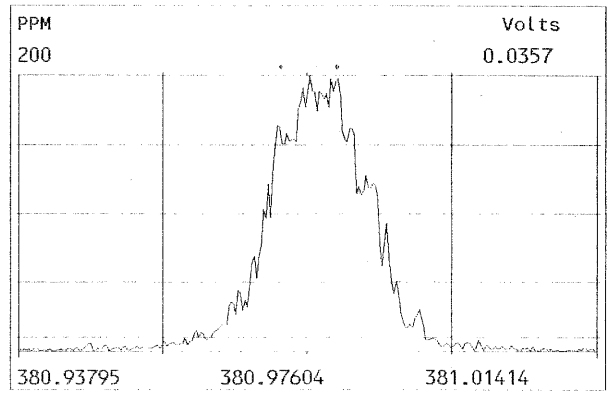




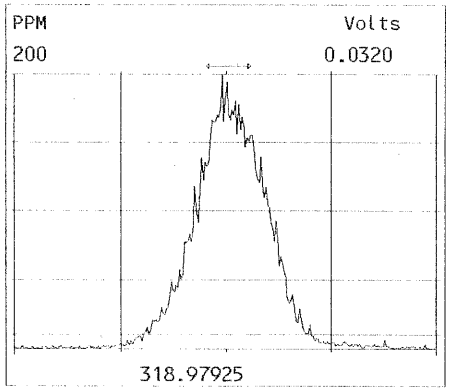


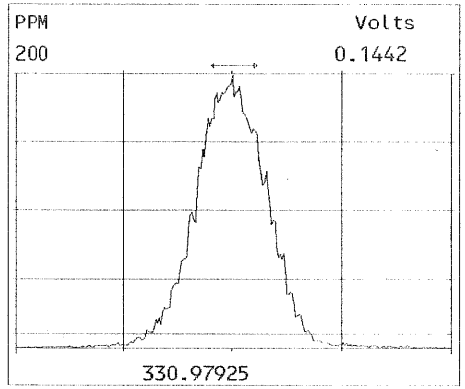


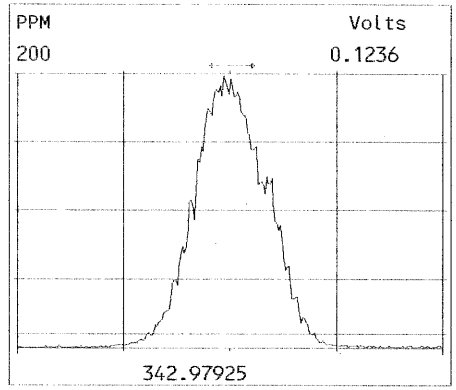


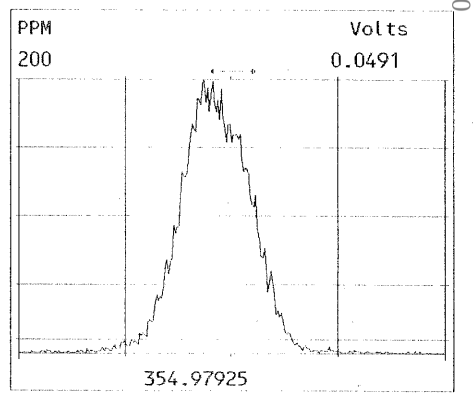


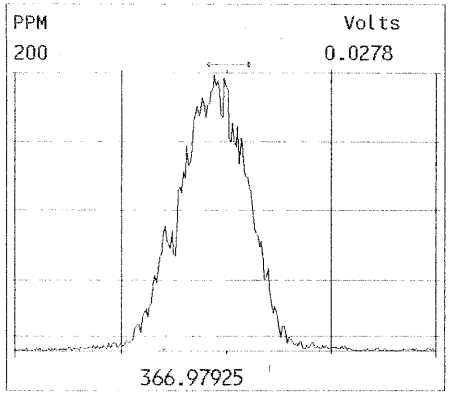
Peak Locate Examination:16-OCT-2020:23:02 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

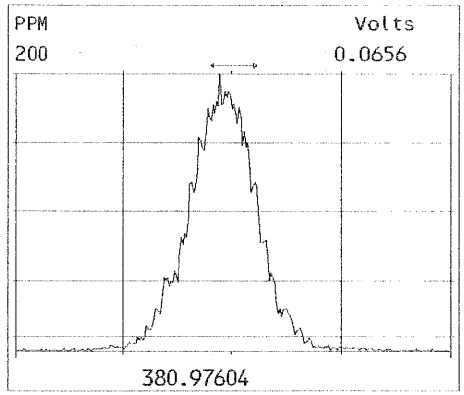


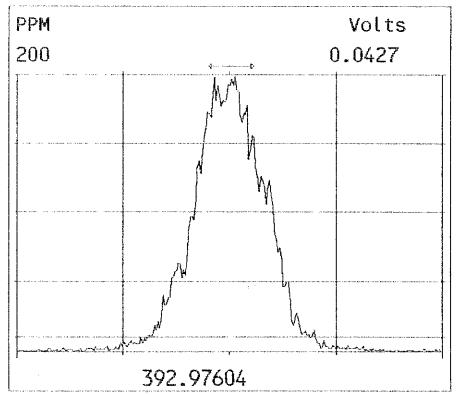


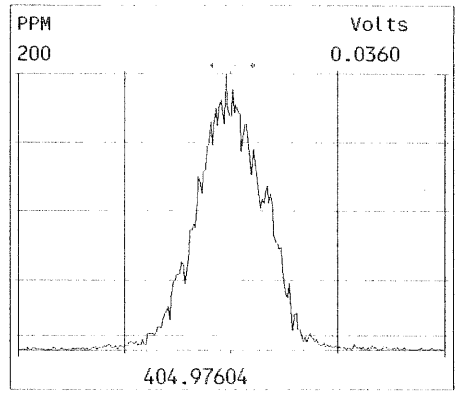


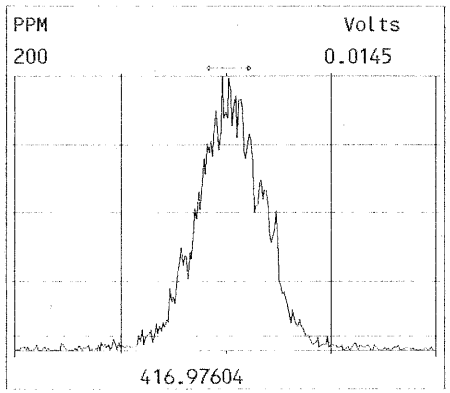


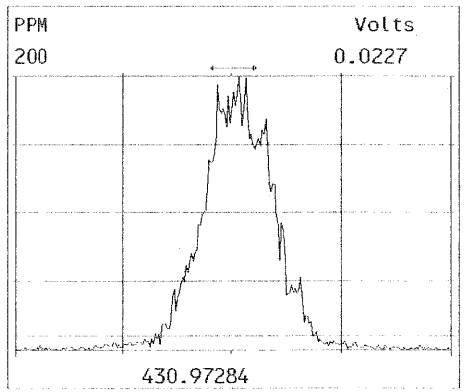


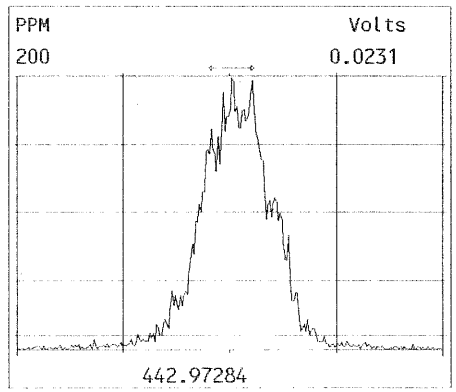






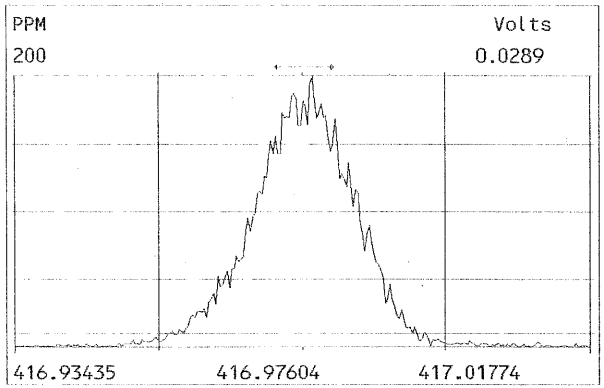


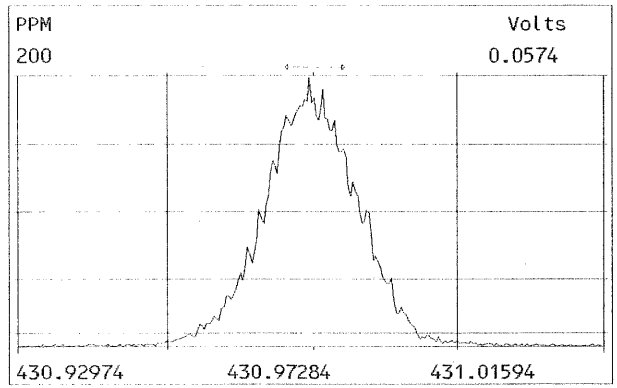


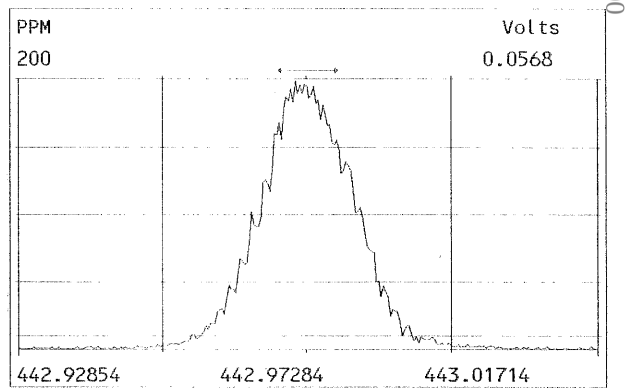


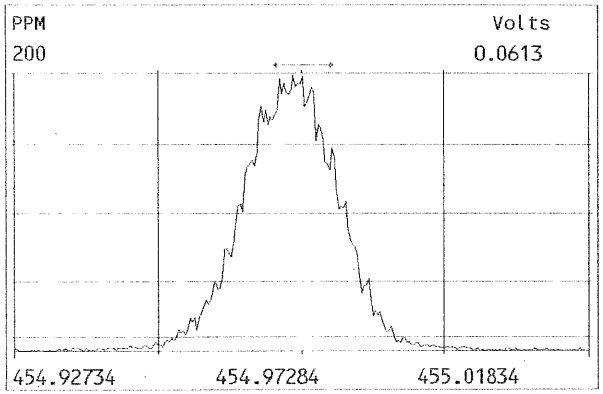
Peak Locate Examination:16-OCT-2020:23:04 File:16OCT20Z_RES_CHECK

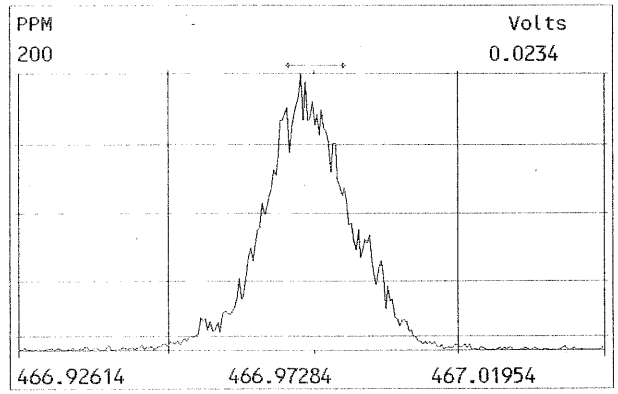
Experiment:1668PCB Function:6 Reference:PFK

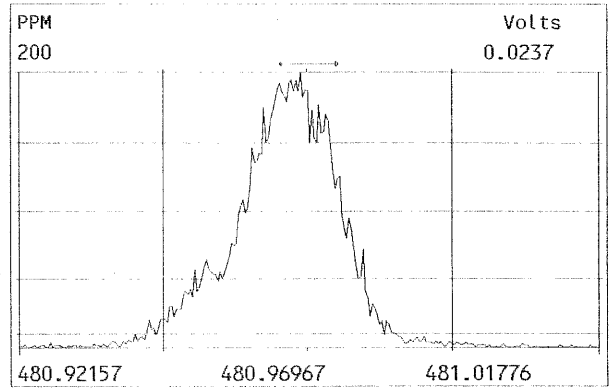


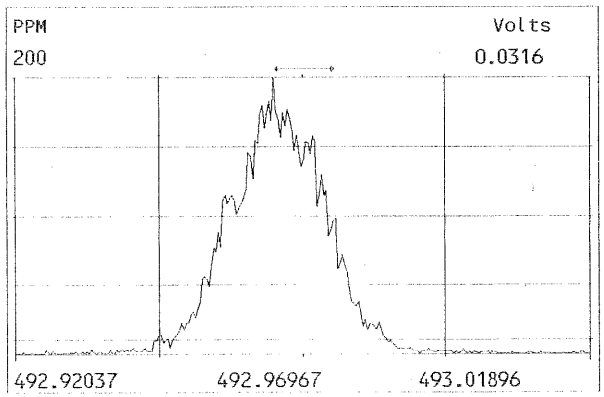


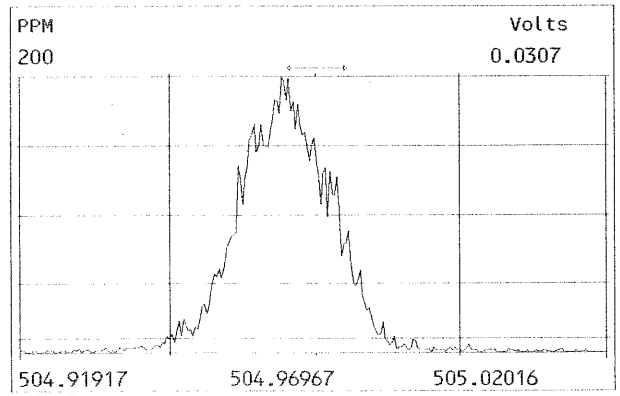


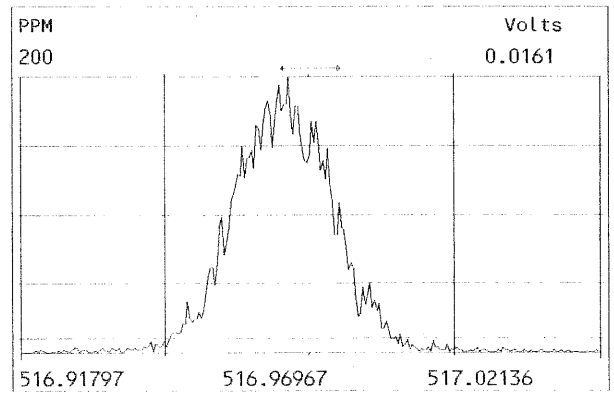












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.27	2.66-3.60	y	60.4	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	58.3	37.5 - 62.5
PCB-4	M/M+2	1.51	1.33-1.79	y	52.0	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	57.4	37.5 - 62.5
PCB-19	M/M+2	1.12	0.88-1.20	y	58.9	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	53.3	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	118	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	109	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	117	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.59	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	208	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	94.5	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	108	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	119	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	118	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	113	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	119	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	120	75.0 - 125
PCB-202	M+2/M+4	1.00	0.76-1.02	y	158	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	168	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	169	112.5 - 187.5

Analyst: [signature] Date: 10/19/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	83.6	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	76.3	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	103	50.0 - 145
13C-PCB-15	M/M+2	1.65	1.33-1.79	y	87.4	50.0 - 145
13C-PCB-19	M/M+2	1.19	0.88-1.20	y	65.6	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	98.2	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	98.5	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	104	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	105	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	73.6	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	116	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	113	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	114	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	113	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	80.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	93.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.32	1.05-1.43	y	93.6	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	96.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	72.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.15	0.89-1.21	y	73.4	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	52.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	93.3	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	91.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	86.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	74.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	116	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	82.1	75.0 - 125

Analyst: [signature] Date: 10/19/20

FAL ID: ST10162022 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10162021 EndCal: ST10162022
Results: 16OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.70e+07	3.27 y	14:31	1.21	60.4		2.50	-	-	*	-
13C-PCB-1	3.70e+07	3.27 y	14:30	0.90	83.6		2.50				83.6
PCB-3	2.50e+07	3.21 y	16:56	1.23	58.3		2.50	-	-	*	-
13C-PCB-3	3.49e+07	3.32 y	16:55	0.93	76.3		2.50				76.3
PCB-4	1.98e+07	1.51 y	18:11	1.14	52.0		2.50	-	-	*	-
13C-PCB-4	3.34e+07	1.61 y	18:09	0.66	103		2.50				103
PCB-15	2.93e+07	1.53 y	23:41	1.09	57.4		2.50	-	-	*	-
13C-PCB-15	4.67e+07	1.65 y	23:39	1.09	87.4		2.50				87.4
PCB-19	1.16e+07	1.12 y	22:03	1.21	58.9		2.50	-	-	*	-
13C-PCB-19	1.63e+07	1.19 y	22:01	0.50	65.6		2.50				65.6
13C-PCB-9	4.92e+07	1.65 y	19:49	-	48.2		2.50				
PCB-37	2.20e+07	1.09 y	30:20	1.14	53.3		2.50	-	-	*	-
13C-PCB-37	3.61e+07	1.09 y	30:17	1.64	98.2		2.50				98.2
PCB-54	3.89e+07	0.79 y	25:35	1.18	118		2.50	-	-	*	-
13C-PCB-54	2.78e+07	0.82 y	25:34	1.26	98.5		2.50				98.5
PCB-104	2.19e+07	1.55 y	30:01	1.12	117		2.50	-	-	*	-
13C-PCB-104	1.68e+07	1.61 y	29:60	1.02	73.6		2.50				73.6
13C-PCB-28	4.50e+07	1.09 y	26:37	1.73	116		2.50				116
13C-PCB-52	2.24e+07	0.78 y	28:54	-	42.1		2.50				
PCB-81	4.88e+07	0.80 y	36:05	1.13	124		2.50	-	-	*	-
13C-PCB-81	3.48e+07	0.81 y	36:03	1.57	105		2.50				105
PCB-77	4.27e+07	0.82 y	36:39	1.10	109		2.50	-	-	*	-
13C-PCB-77	3.56e+07	0.80 y	36:38	1.61	104		2.50				104
PCB-155	2.39e+07	1.29 y	34:10	1.13	112		2.50	-	-	*	-
13C-PCB-155	1.87e+07	1.36 y	34:08	1.10	80.1		2.50				80.1
13C-PCB-111	2.72e+07	1.63 y	36:14	1.27	101		2.50				101
13C-PCB-101	2.12e+07	1.65 y	34:35	-	44.5		2.50				
PCB-123	3.74e+07	1.60 y	38:16	1.11	94.5		2.50	-	-	*	-
13C-PCB-123	3.57e+07	1.58 y	38:16	1.28	114		2.50				114
PCB-118	8.69e+07	1.61 y	38:29	1.12	208		2.50	-	-	*	-
13C-PCB-118	3.73e+07	1.60 y	38:26	1.35	113		2.50				113
PCB-114	4.25e+07	1.59 y	39:04	1.13	106		2.50	-	-	*	-
13C-PCB-114	3.56e+07	1.61 y	39:02	1.29	113		2.50				113
PCB-105	4.43e+07	1.58 y	39:53	1.10	110		2.50	-	-	*	-
13C-PCB-105	3.63e+07	1.58 y	39:52	1.28	116		2.50				116
PCB-126	3.96e+07	1.60 y	42:00	1.08	108		2.50	-	-	*	-
13C-PCB-126	3.39e+07	1.59 y	41:58	1.23	113		2.50				113
PCB-167	3.50e+07	1.26 y	43:22	1.11	113		2.50	-	-	*	-
13C-PCB-167	2.81e+07	1.32 y	43:21	1.23	93.6		2.50				93.6
PCB-156	3.60e+07	1.28 y	44:35	1.13	119		2.50	-	-	*	-
13C-PCB-156	2.68e+07	1.32 y	44:35	1.19	92.4		2.50				92.4
PCB-157	3.54e+07	1.25 y	44:51	1.08	118		2.50	-	-	*	-
13C-PCB-157	2.77e+07	1.31 y	44:50	1.21	93.5		2.50				93.5
PCB-169	3.35e+07	1.26 y	46:43	1.08	112		2.50	-	-	*	-
13C-PCB-169	2.76e+07	1.29 y	46:41	1.17	96.6		2.50				96.6
PCB-188	2.63e+07	1.07 y	39:40	1.10	119		2.50	-	-	*	-
13C-PCB-188	2.01e+07	1.10 y	39:38	1.13	72.9		2.50				72.9
PCB-189	2.21e+07	1.09 y	48:24	1.07	120		2.50	-	-	*	-
13C-PCB-189	1.73e+07	1.15 y	48:22	0.97	73.4		2.50				73.4
PCB-202	2.00e+07	1.00 y	44:46	1.03	158		2.50	-	-	*	-
13C-PCB-202	1.23e+07	0.93 y	44:45	0.96	52.9		2.50				52.9
13C-PCB-178	1.56e+07	1.09 y	42:16	0.78	82.1		2.50				82.1
13C-PCB-138	2.44e+07	1.30 y	41:30	-	50.8		2.50				

FAL ID: ST101620Z2 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 16OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.41e+07	0.93 y	50:03	1.09	158	2.50	-	-	*	-
13C-PCB-205	3.15e+07	0.87 y	50:02	1.32	93.3	2.50				93.3
PCB-208	5.18e+07	1.38 y	49:07	1.01	168	2.50	-	-	*	-
13C-PCB-208	3.05e+07	0.80 y	49:07	1.38	86.5	2.50				86.5
PCB-206	3.74e+07	1.32 y	51:15	1.04	164	2.50	-	-	*	-
13C-PCB-206	2.20e+07	0.80 y	51:14	0.94	91.6	2.50				91.6
PCB-209	4.01e+07	1.22 y	52:26	1.13	169	2.50	-	-	*	-
13C-PCB-209	2.11e+07	1.21 y	52:25	1.10	74.6	2.50				74.6
13C-PCB-194	2.56e+07	0.90 y	49:47	-	67.3	2.50				

Analyst: _____ Date: 10/19/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:16OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

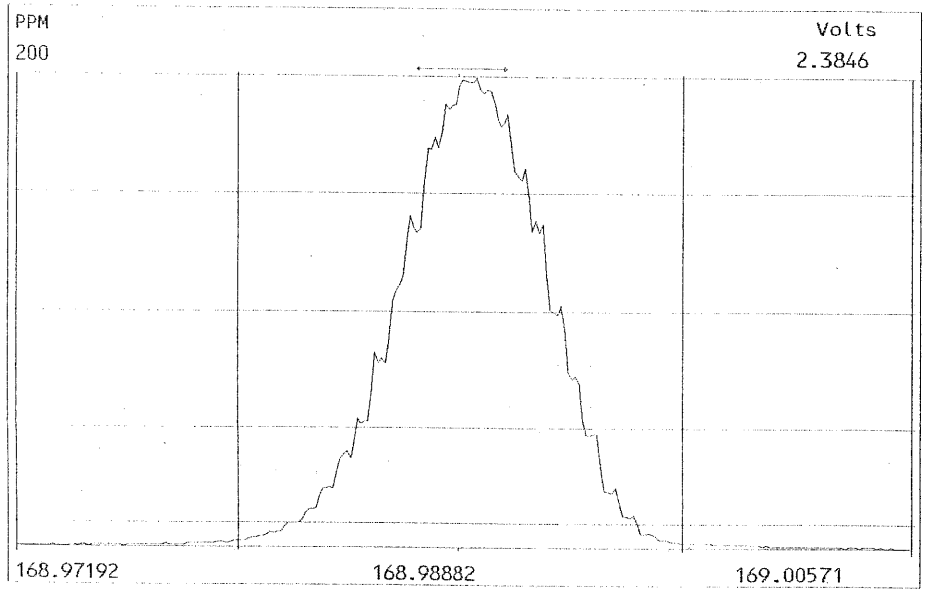
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
16OCT20Z	1	ST101620Z1	CS209 200406A	16-OCT-20 07:48:25	ST101620Z1	ST101620Z2	BS
16OCT20Z	2	05478-001-0001-OPR	OPR	16-OCT-20 08:46:45	ST101620Z1	ST101620Z2	BS
16OCT20Z	3	05478-001-0001-MB	Method Blank	16-OCT-20 09:45:06	ST101620Z1	ST101620Z2	BS
16OCT20Z	4	13387-001-0001-SA	202010070231	16-OCT-20 10:43:27	ST101620Z1	ST101620Z2	BS
16OCT20Z	5	13390-001-0001-SA	EFF-002	16-OCT-20 11:41:48	ST101620Z1	ST101620Z2	BS
16OCT20Z	6	13392-001-0001-SA	Effluent	16-OCT-20 12:40:10	ST101620Z1	ST101620Z2	BS
16OCT20Z	7	05483-001-0001-OPR	OPR	16-OCT-20 13:38:31	ST101620Z1	ST101620Z2	BS
16OCT20Z	8	05483-001-0001-MB	Method Blank	16-OCT-20 14:37:16	ST101620Z1	ST101620Z2	BS
16OCT20Z	9	13372-003-0001-SA	LDW-Y3-SC-ENR+AC-S010-DEP	16-OCT-20 15:35:38	ST101620Z1	ST101620Z2	BS
16OCT20Z	10	13372-004-0001-SA	LDW-Y3-SC-ENR-CA-S010	16-OCT-20 16:33:59	ST101620Z1	ST101620Z2	BS
16OCT20Z	11	13372-005-0001-SA	LDW-Y3-SC-ENR-CA-S010-LONG	16-OCT-20 17:32:20	ST101620Z1	ST101620Z2	BS
16OCT20Z	12	13372-009-0001-SA	LDW-Y3-SC-ENR-CC-S010-LONG	16-OCT-20 18:30:41	ST101620Z1	ST101620Z2	BS
16OCT20Z	13	13372-010-0001-SA	LDW-Y3-SC-ENR-CD-S010	16-OCT-20 19:29:03	ST101620Z1	ST101620Z2	BS
16OCT20Z	14	SB101620Z1	Solvent Blank	16-OCT-20 20:27:23	ST101620Z1	ST101620Z2	BS
16OCT20Z	15	ST101620Z2	CS209 200406A	16-OCT-20 21:25:45	ST101620Z1	ST101620Z2	BS

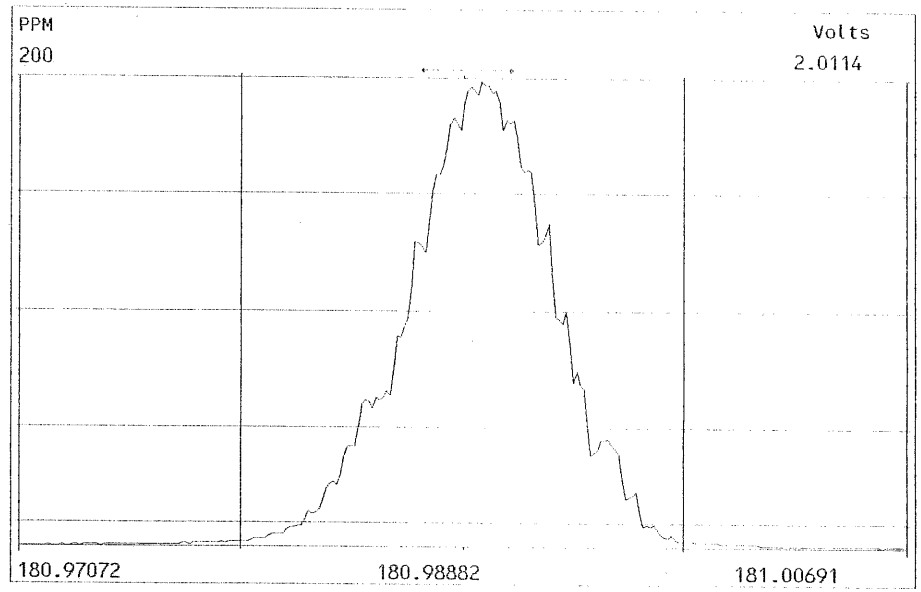
10/19/20

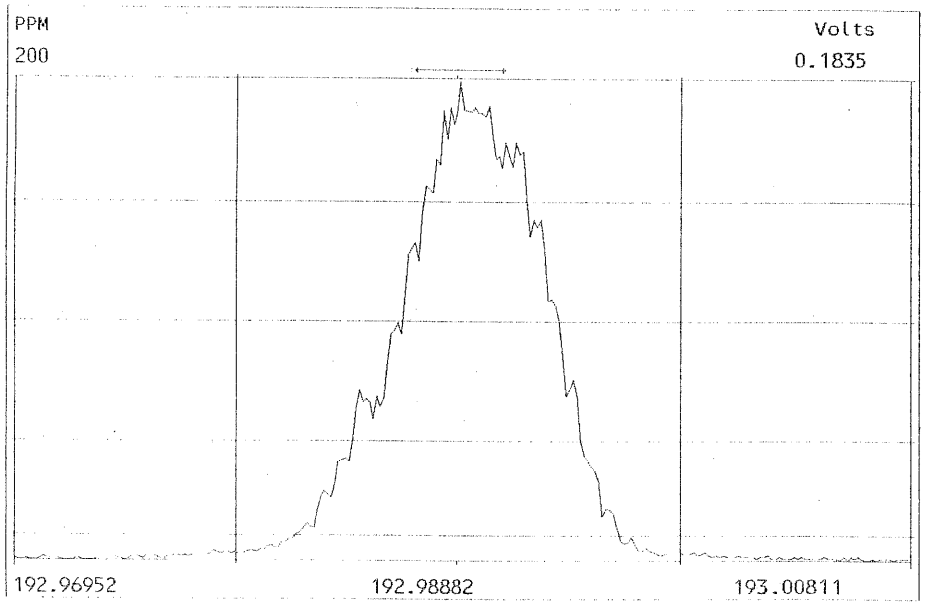
Data Backed Up:_____

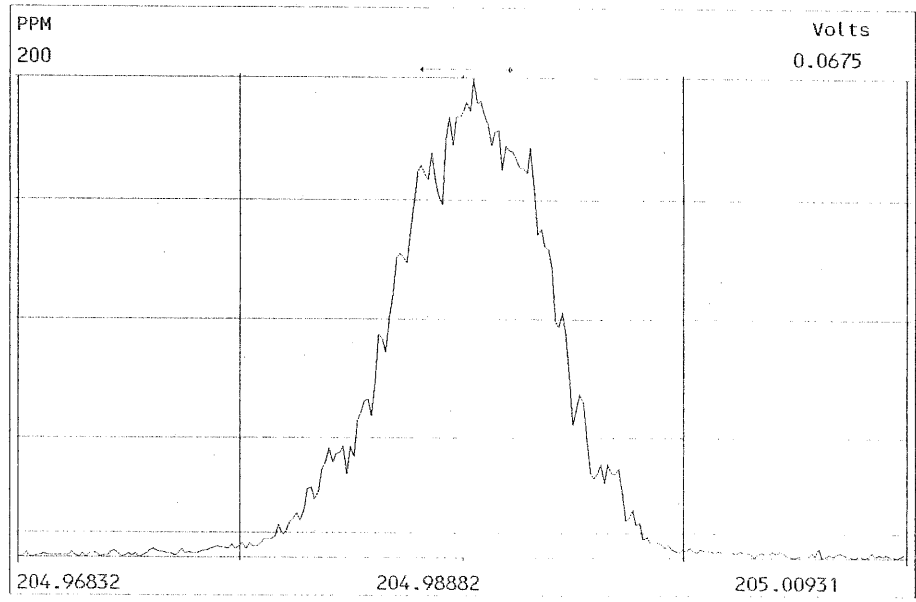
Date:_____

Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

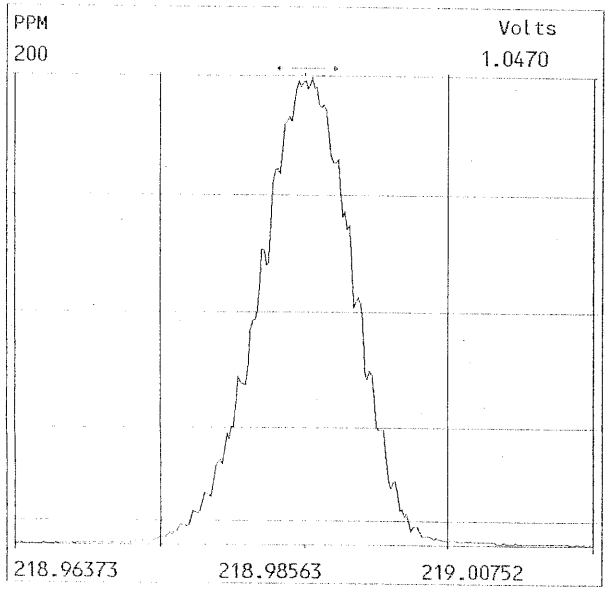


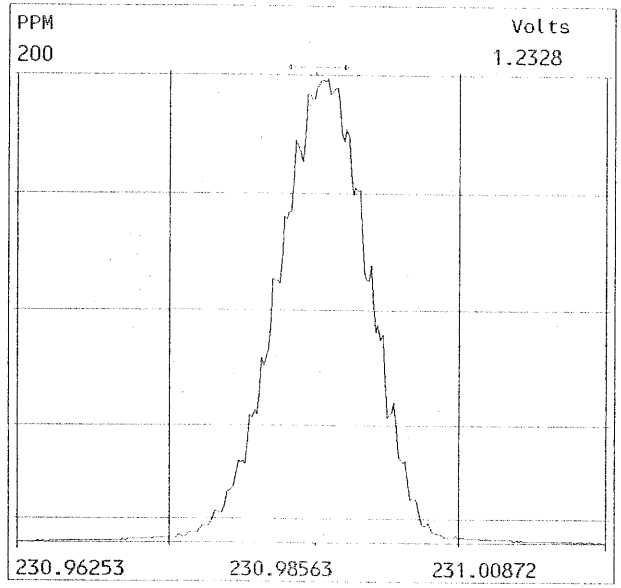


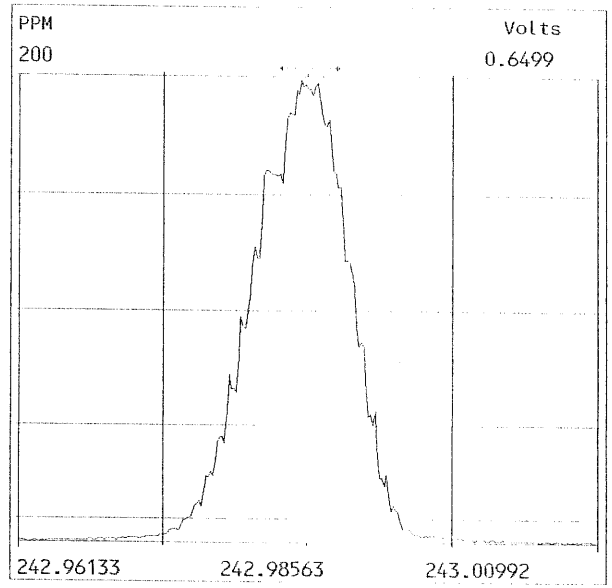


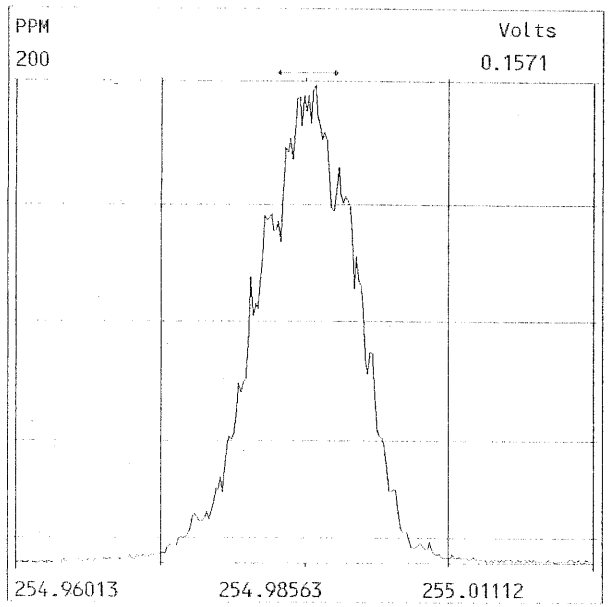


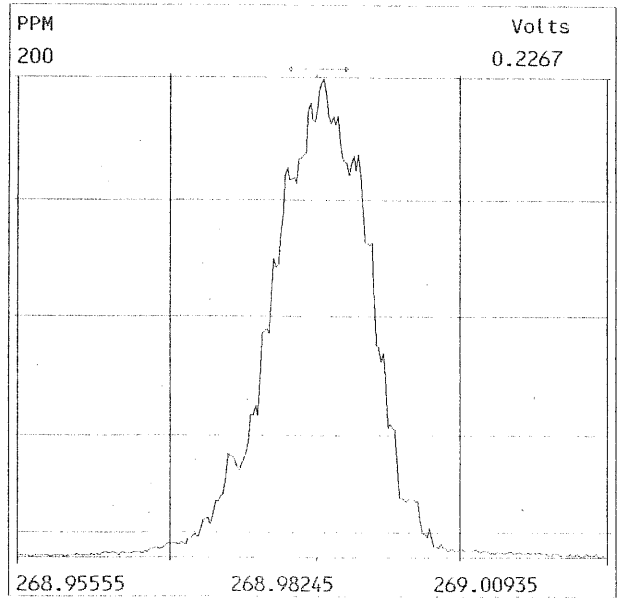
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

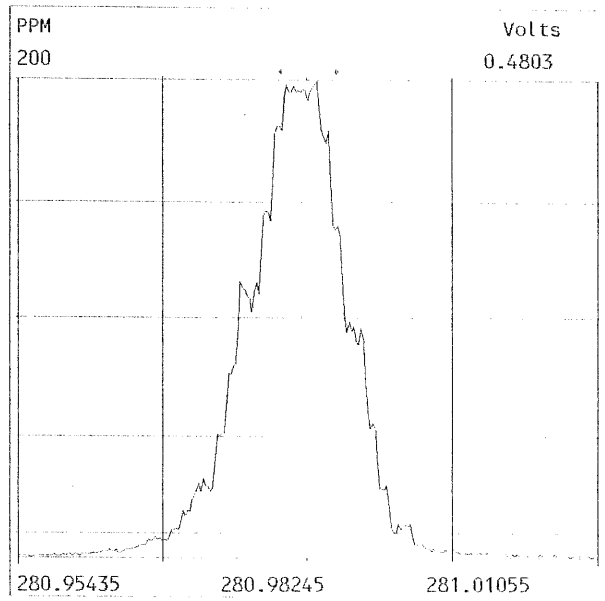




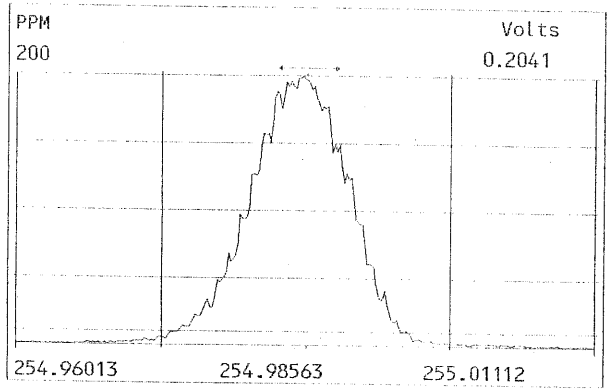


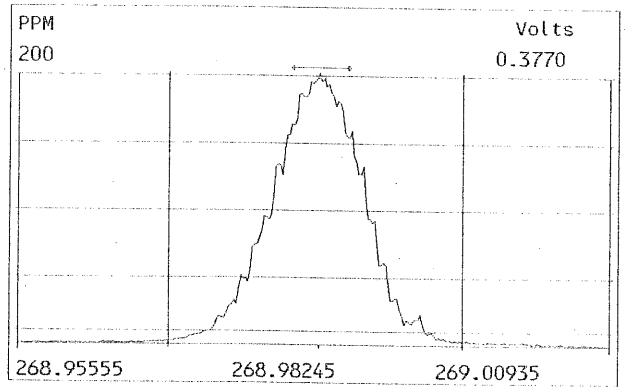


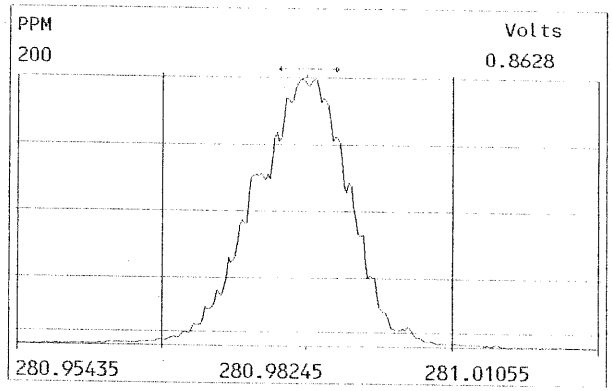


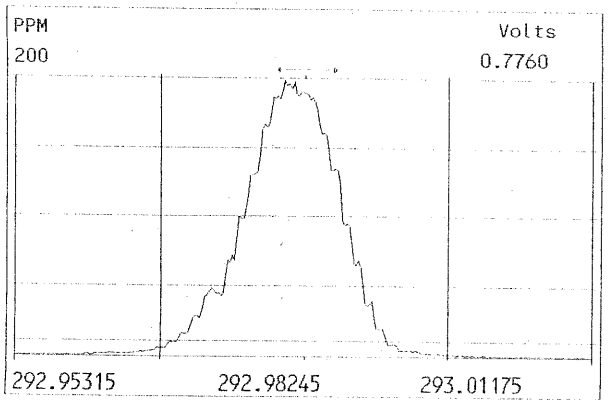


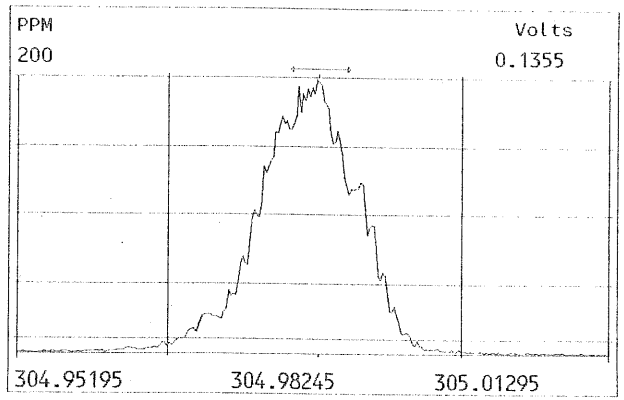
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

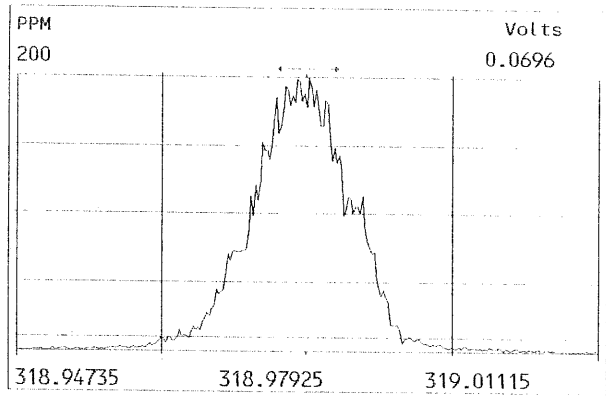


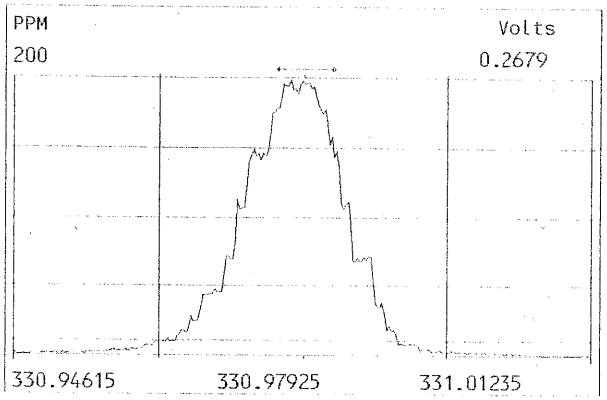


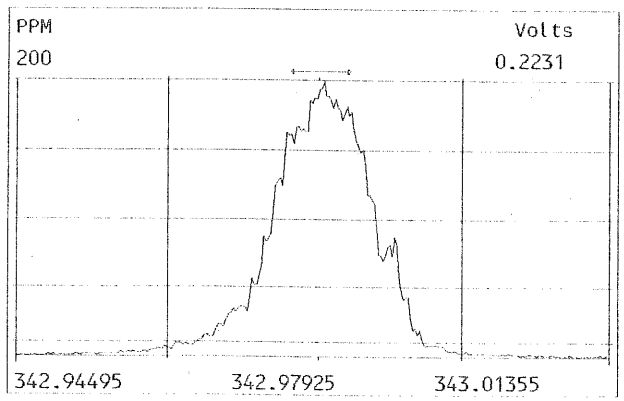




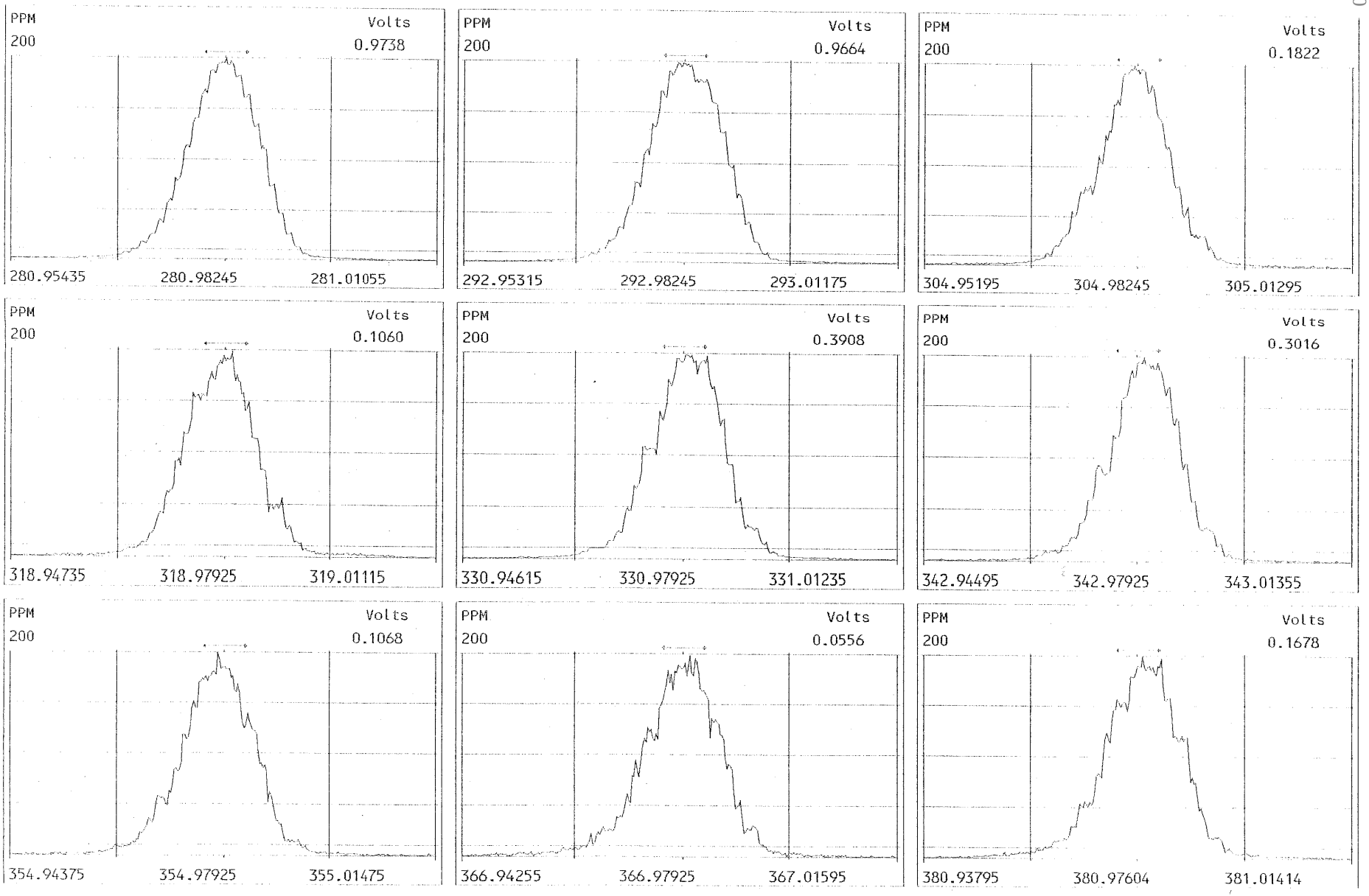






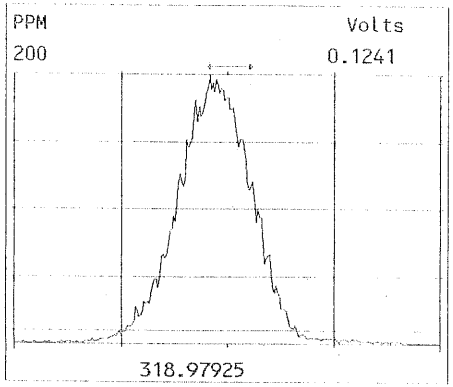


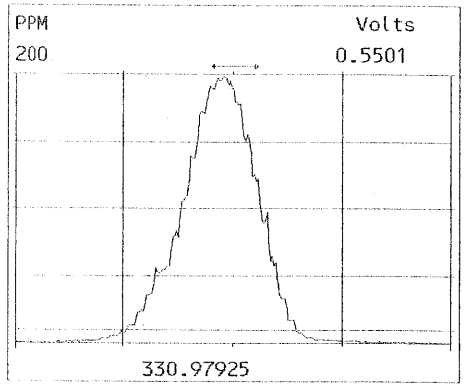
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

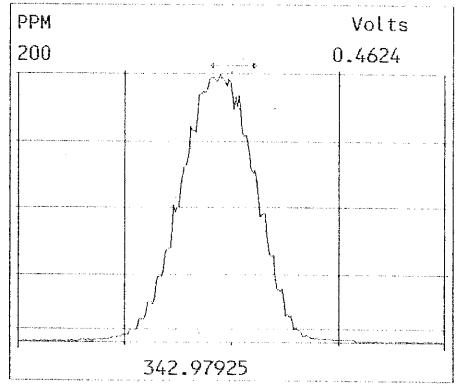


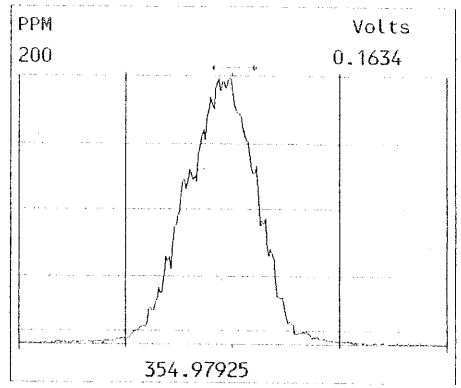
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z

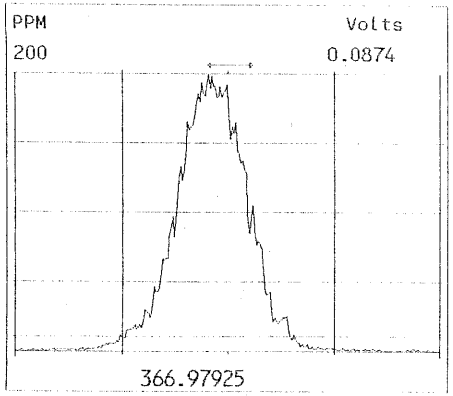
Experiment:1668PCB Function:5 Reference:PFK

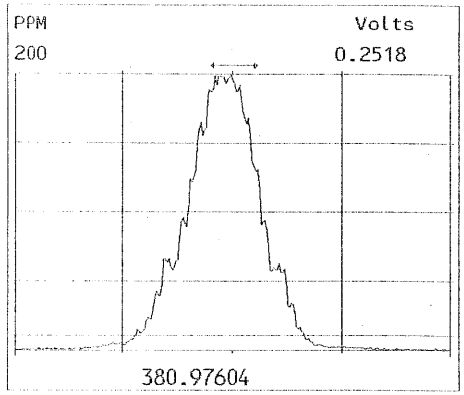


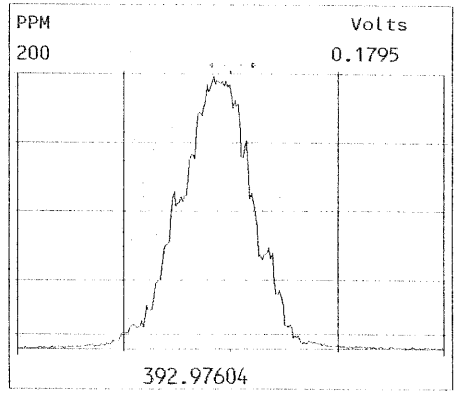


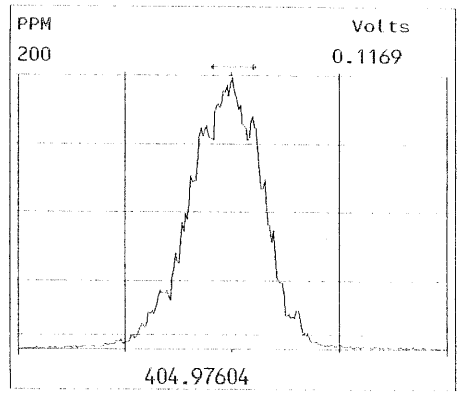


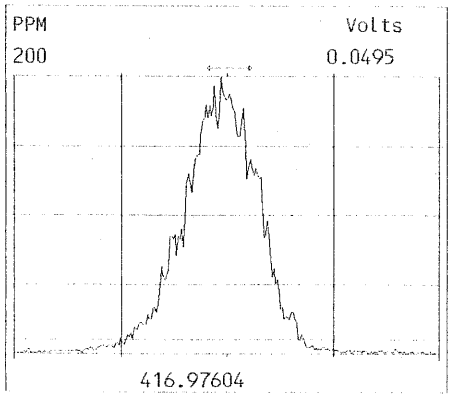


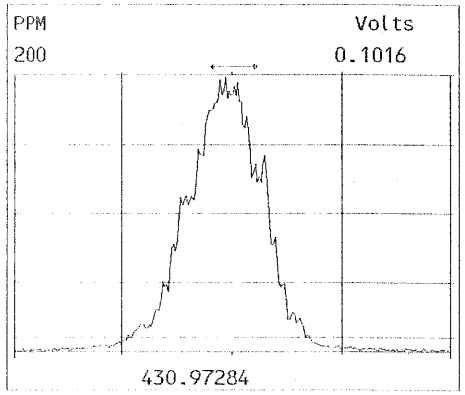


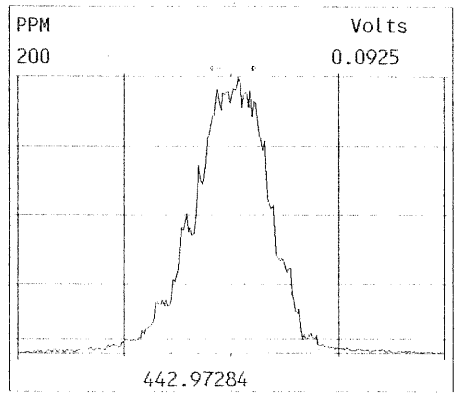




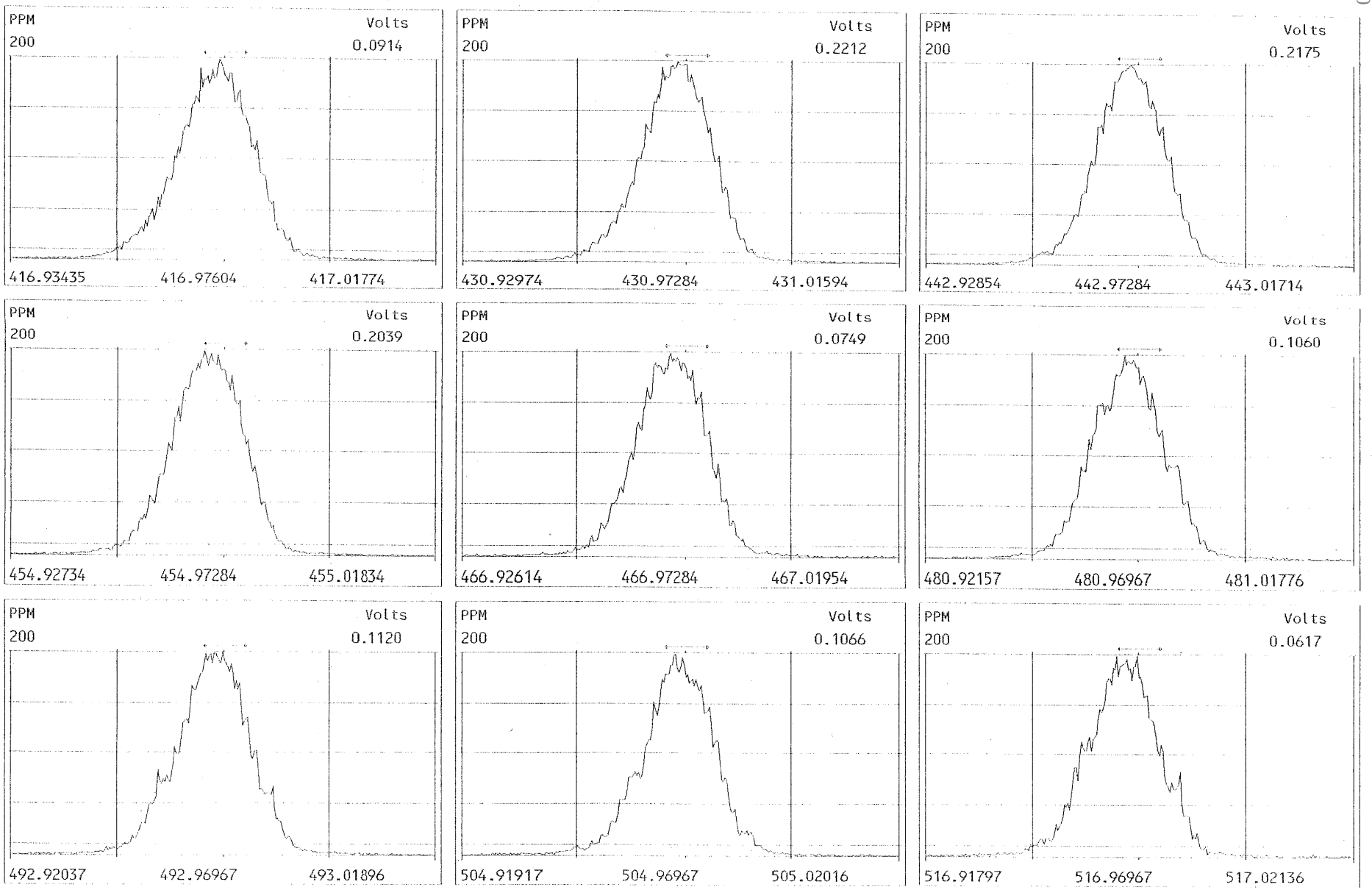




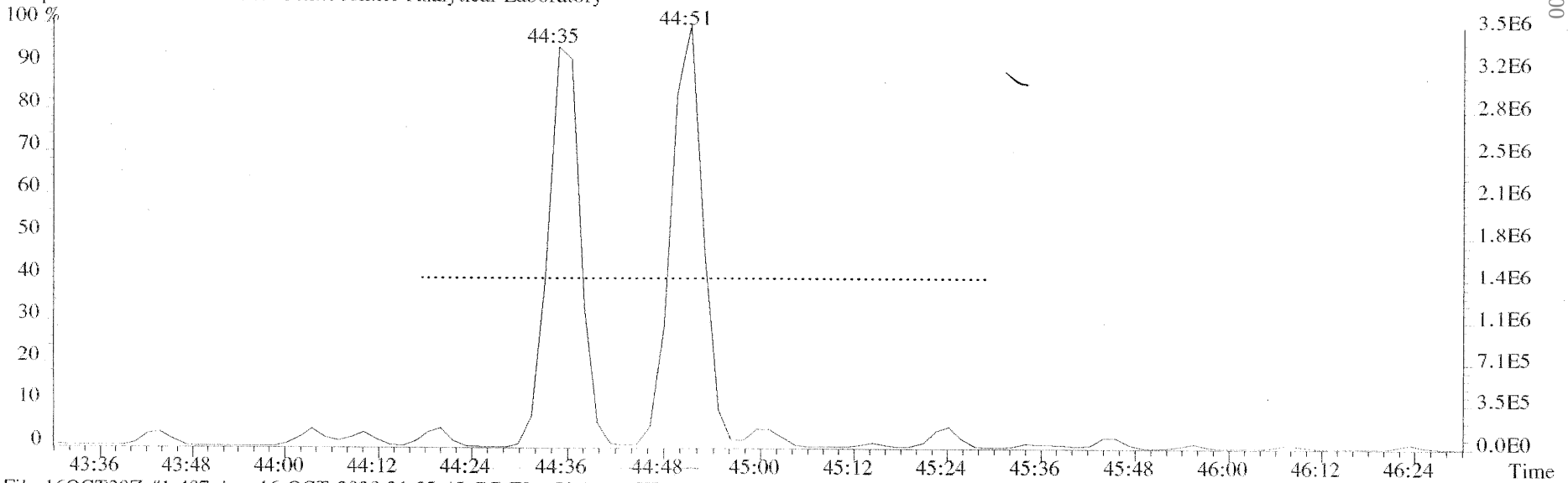




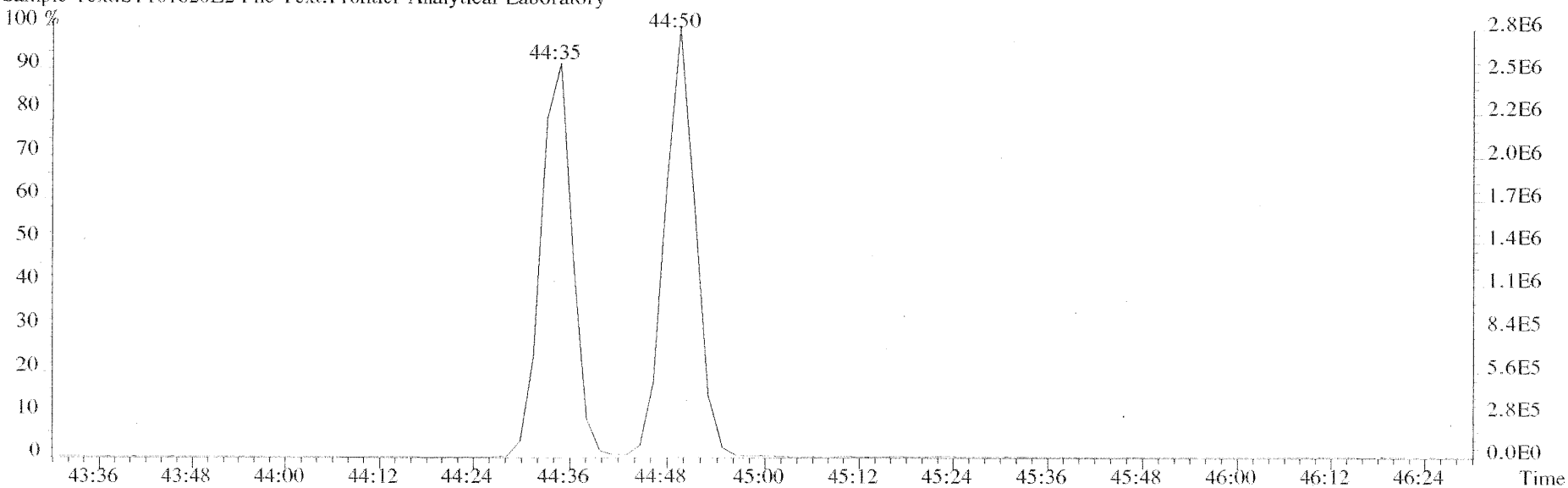
Peak Locate Examination:16-OCT-2020:07:47 File:16OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



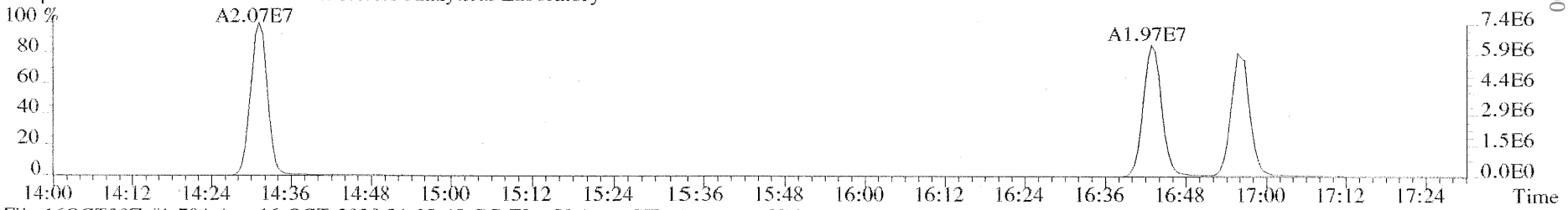
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



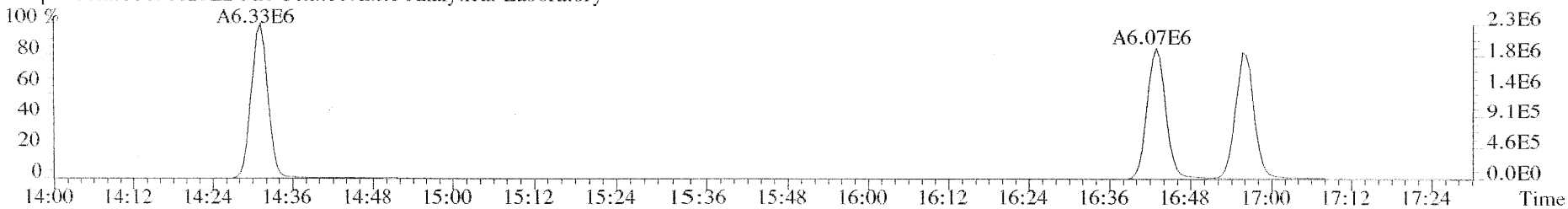
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



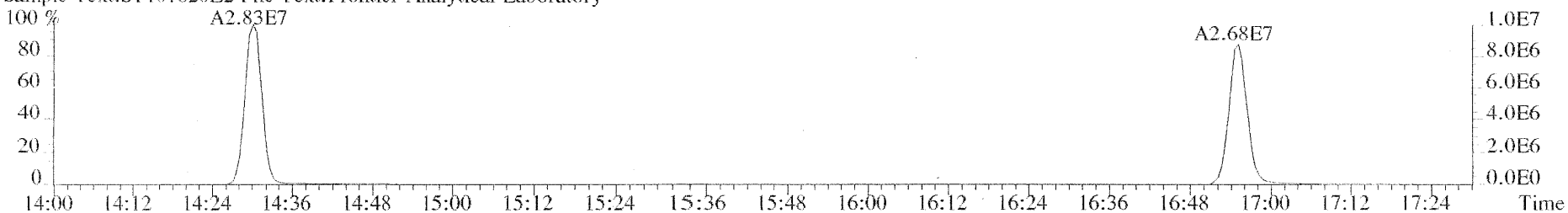
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



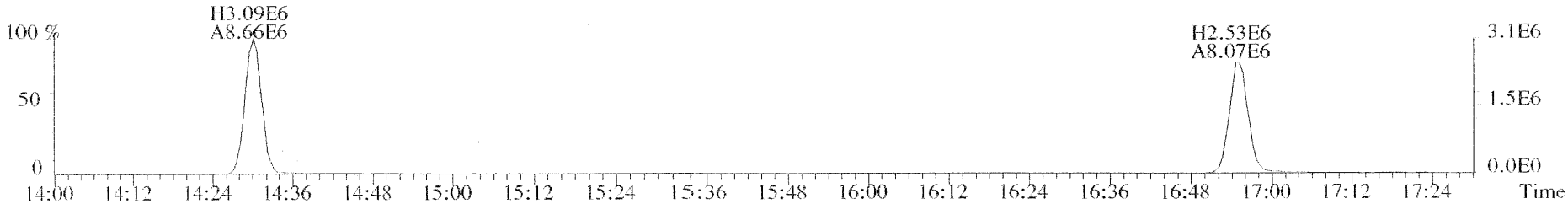
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



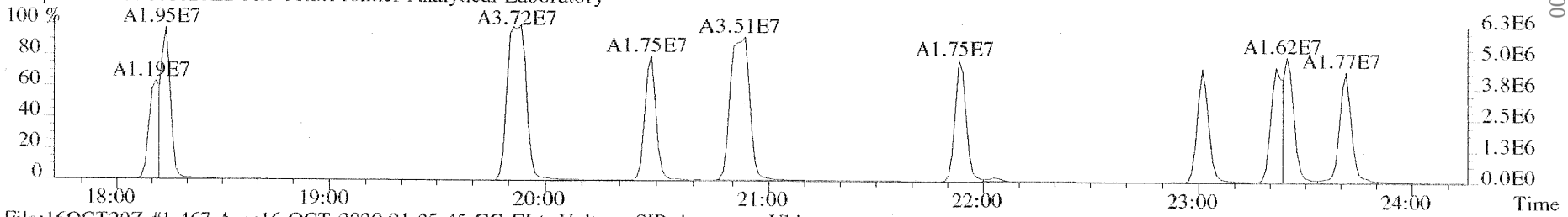
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



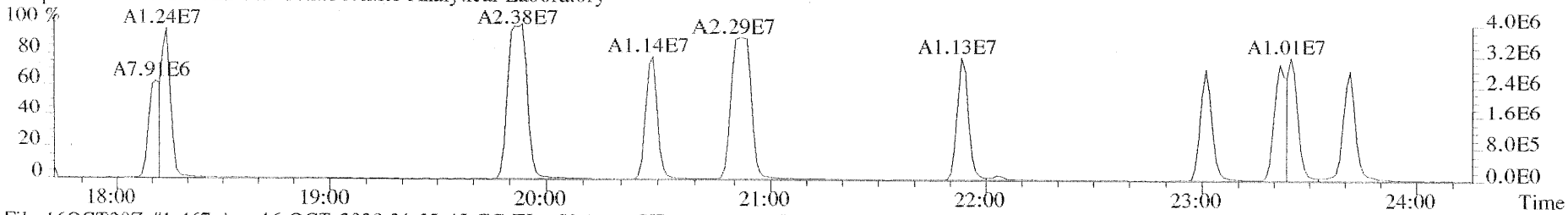
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



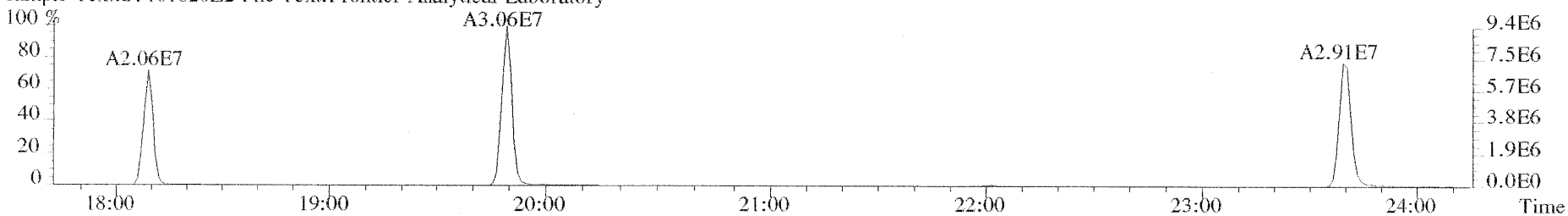
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



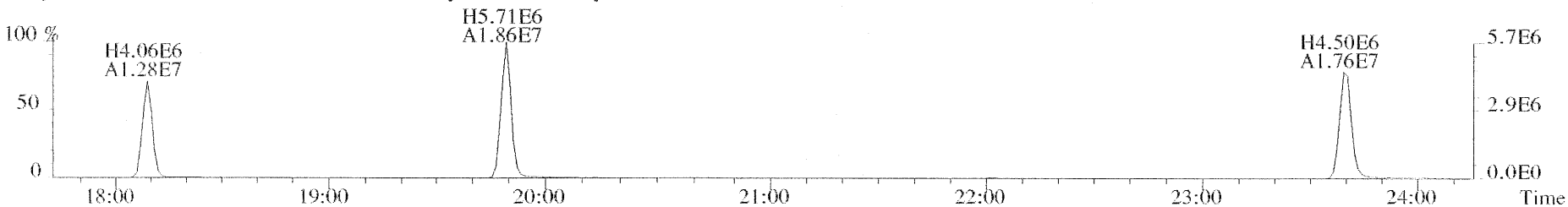
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



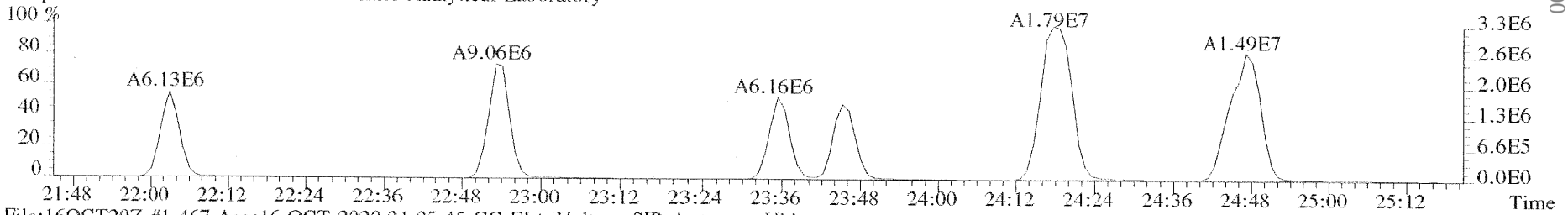
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



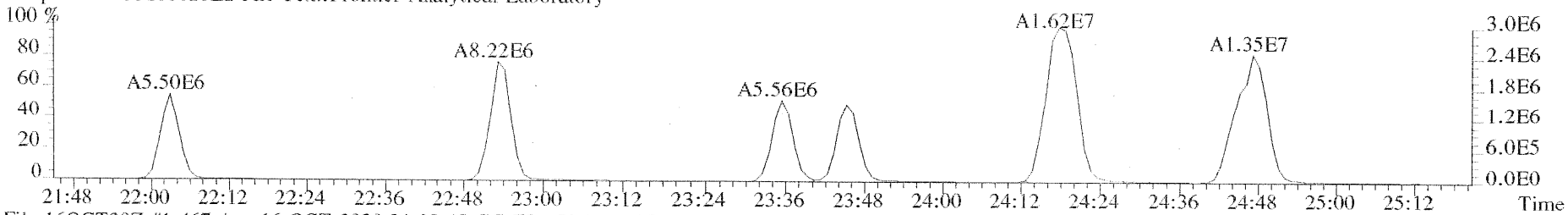
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



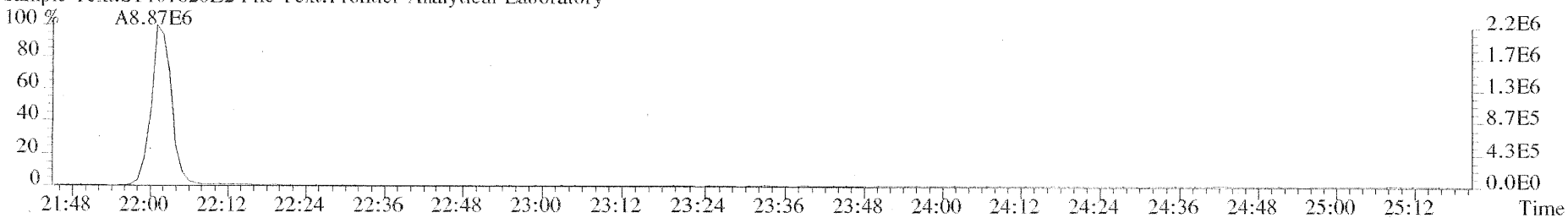
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



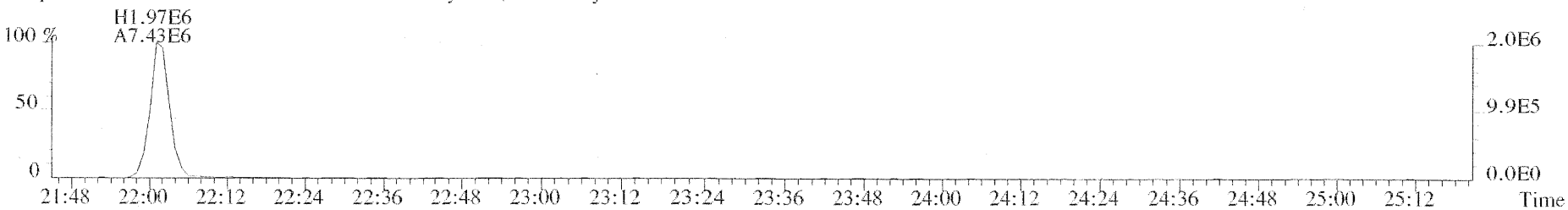
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



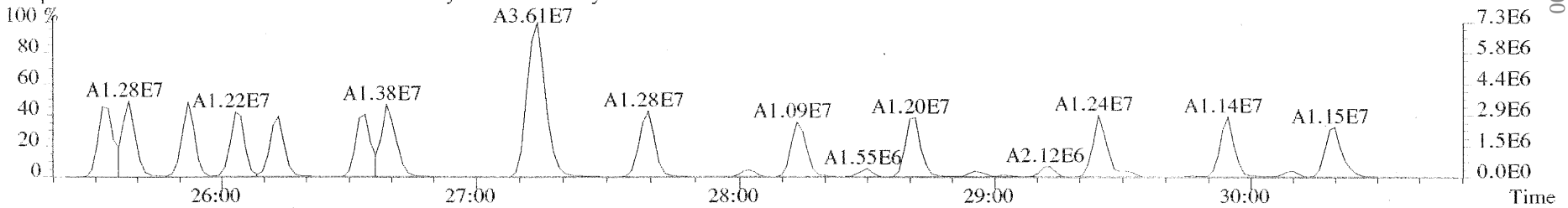
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



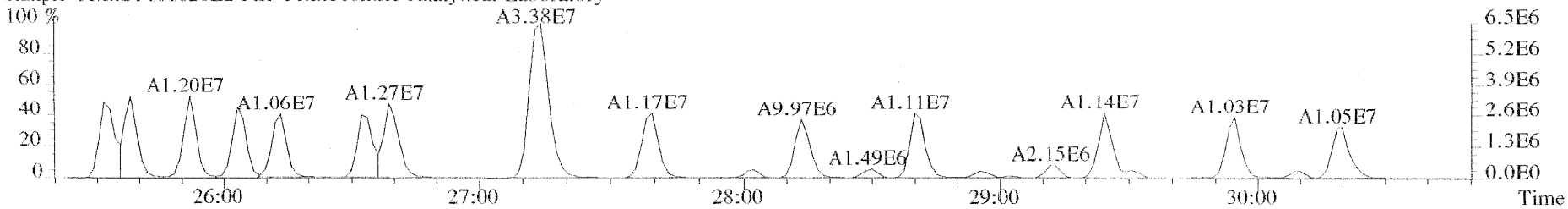
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



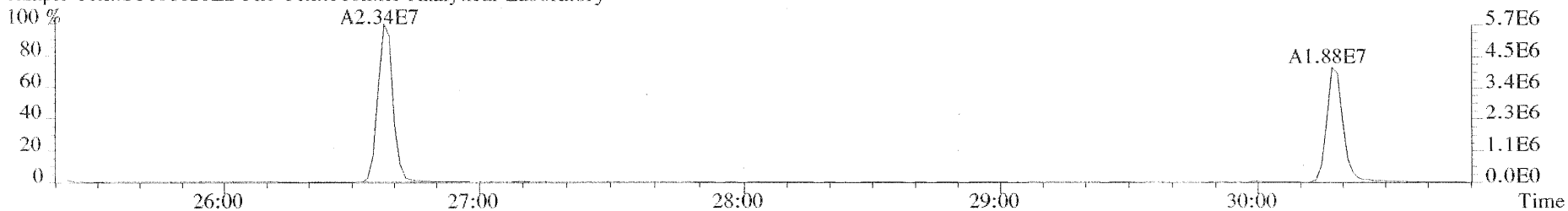
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



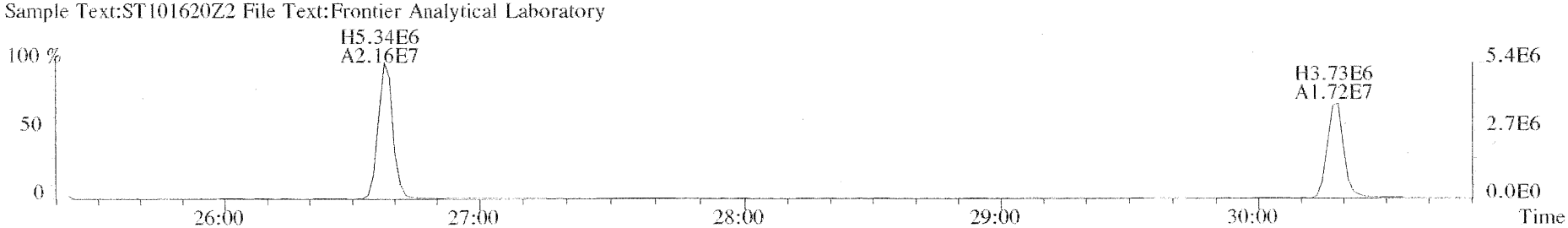
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



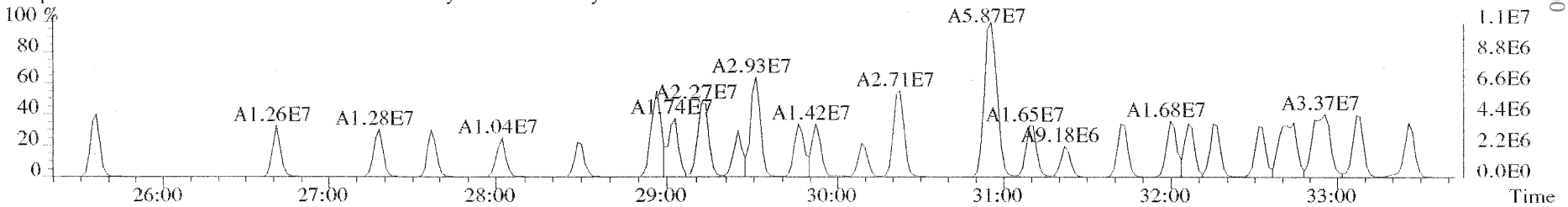
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



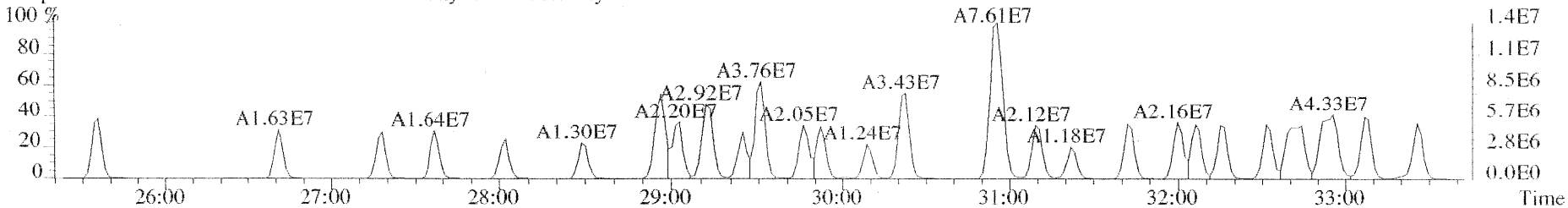
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



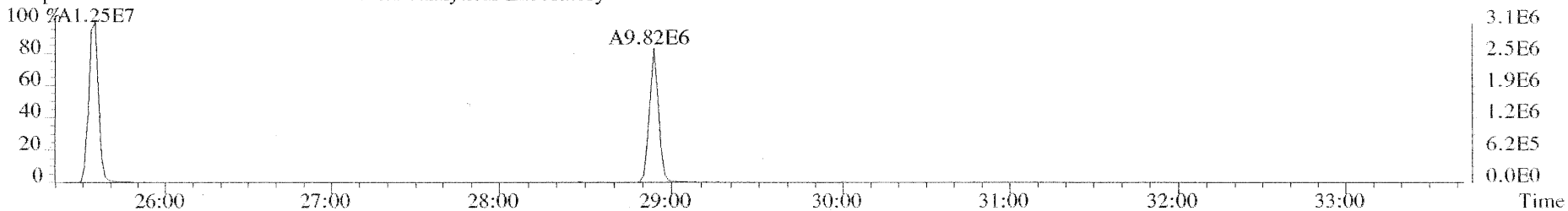
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



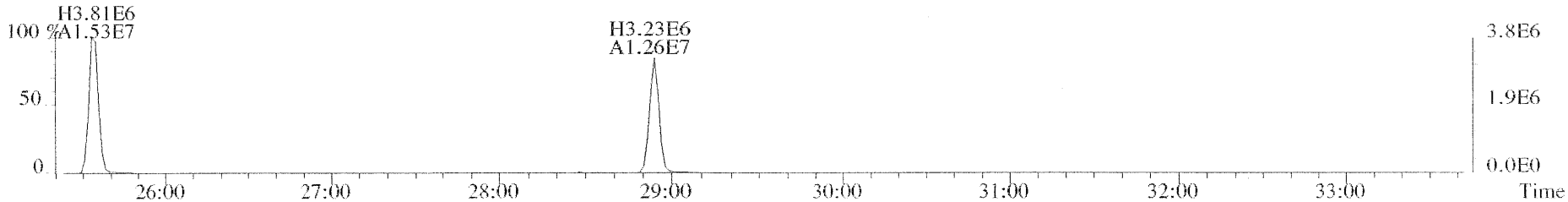
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



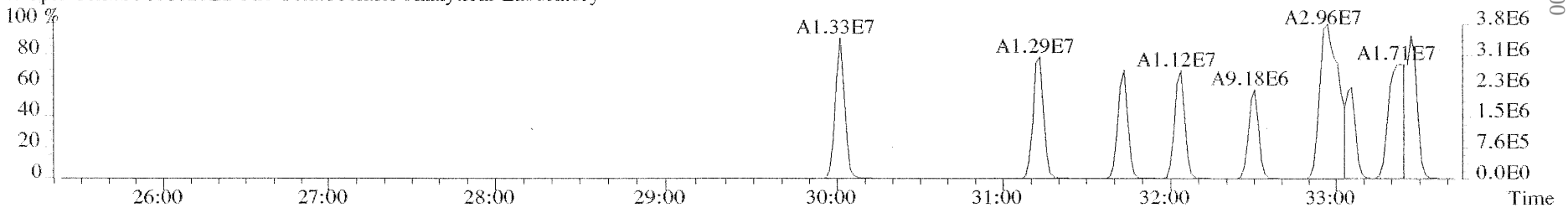
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



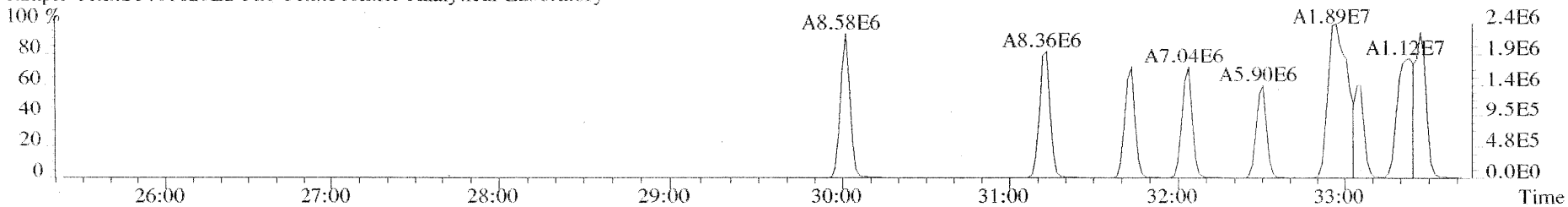
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



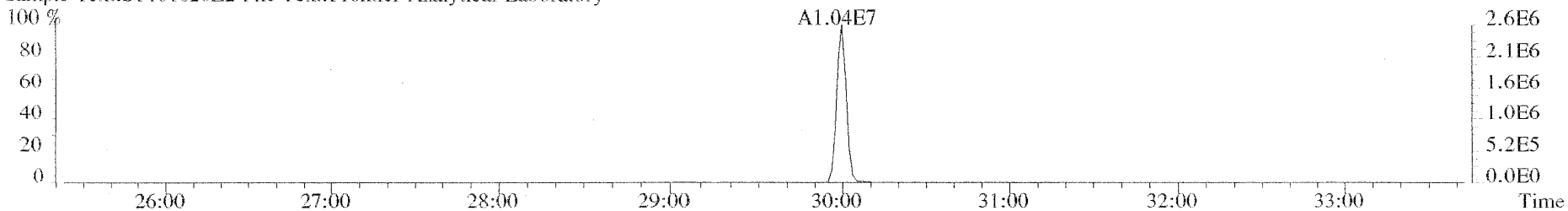
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



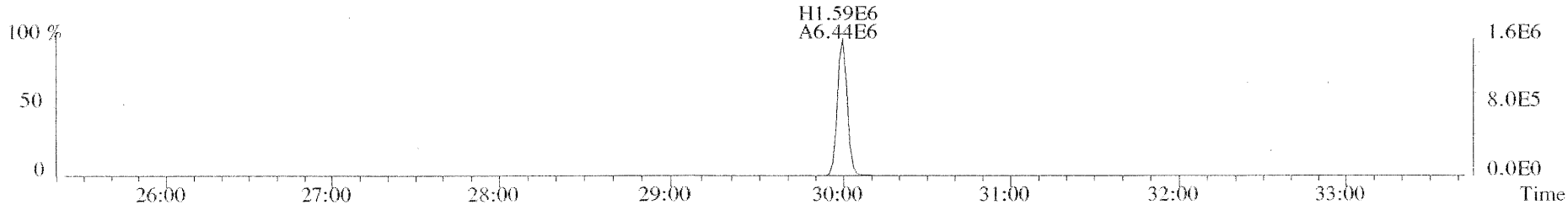
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



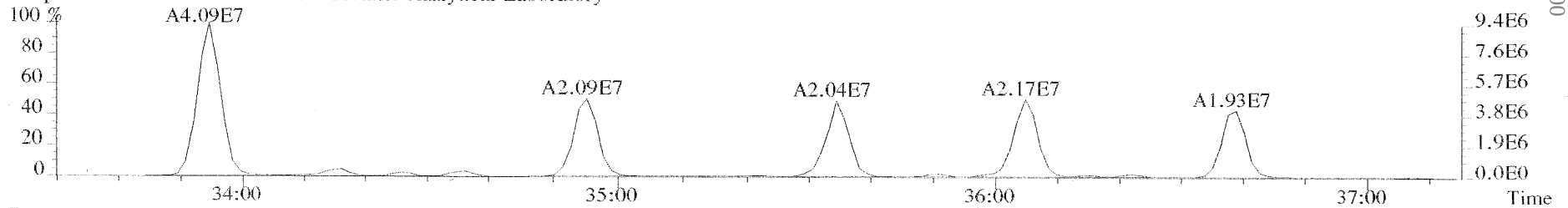
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



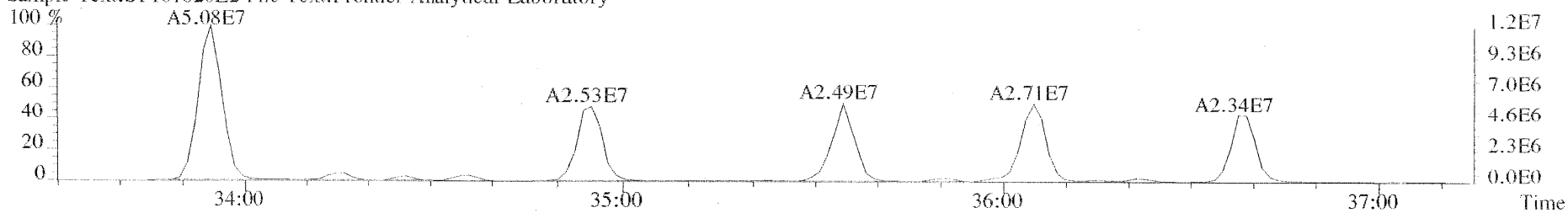
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



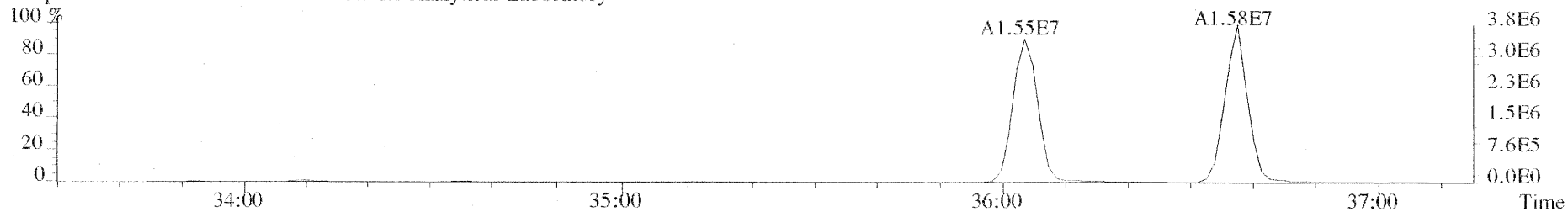
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



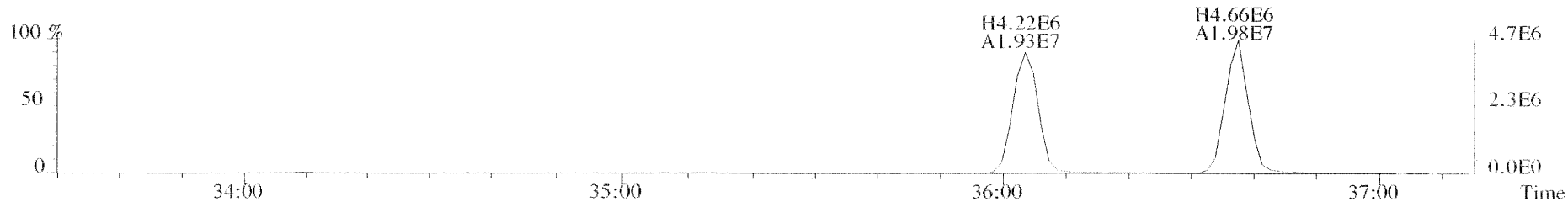
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



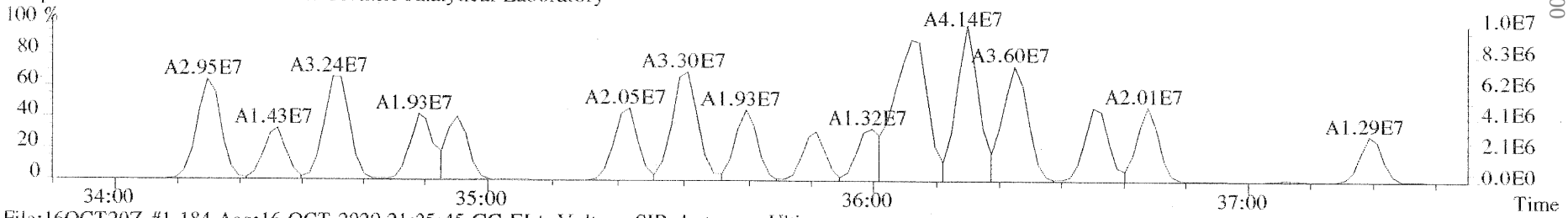
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



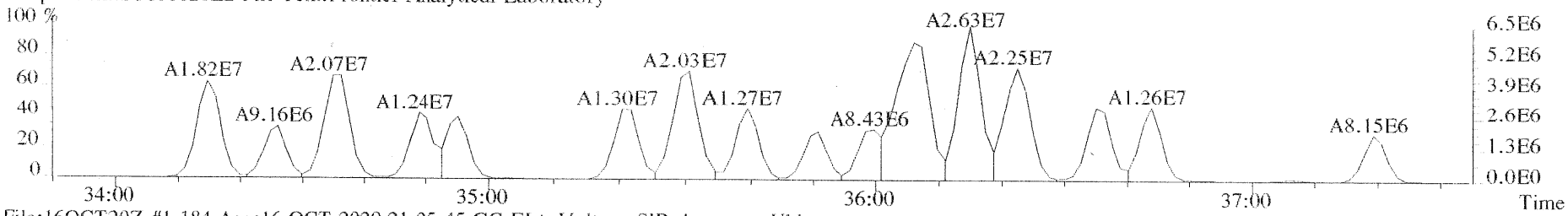
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



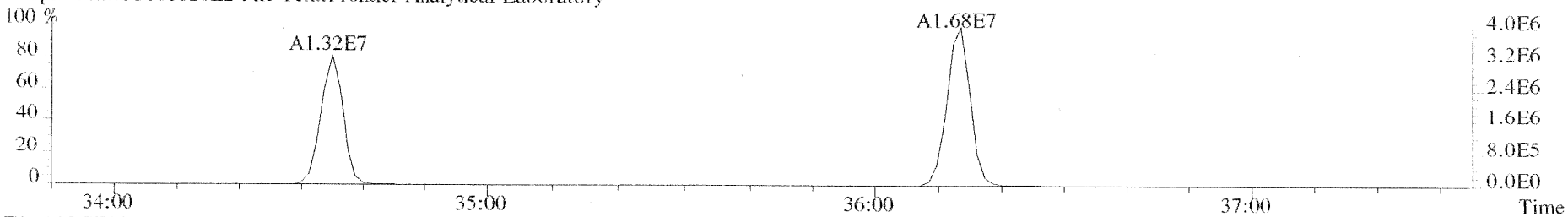
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



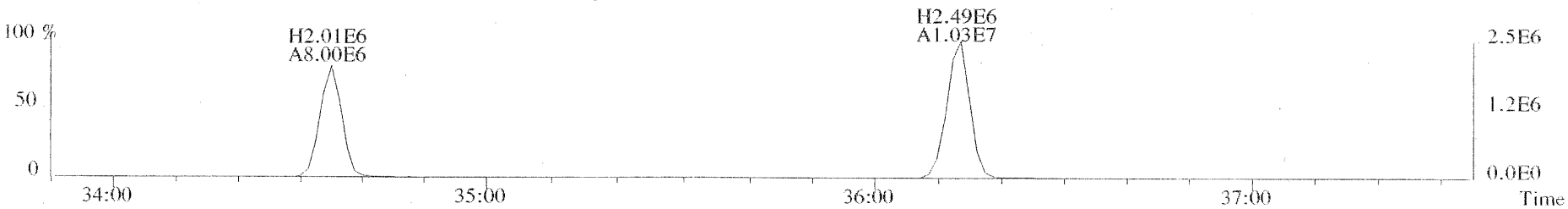
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



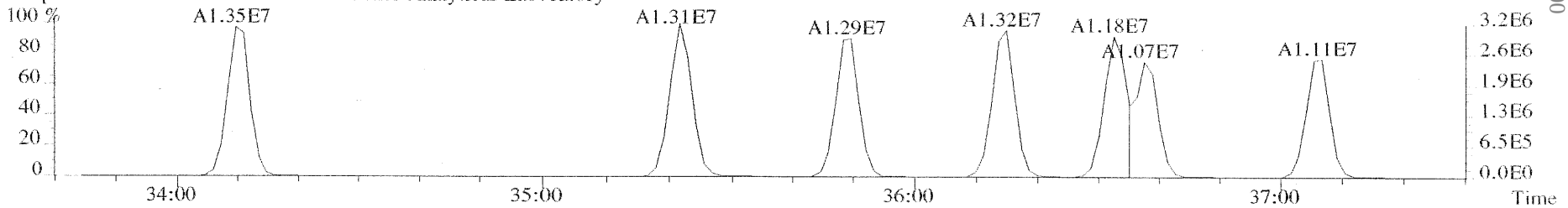
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



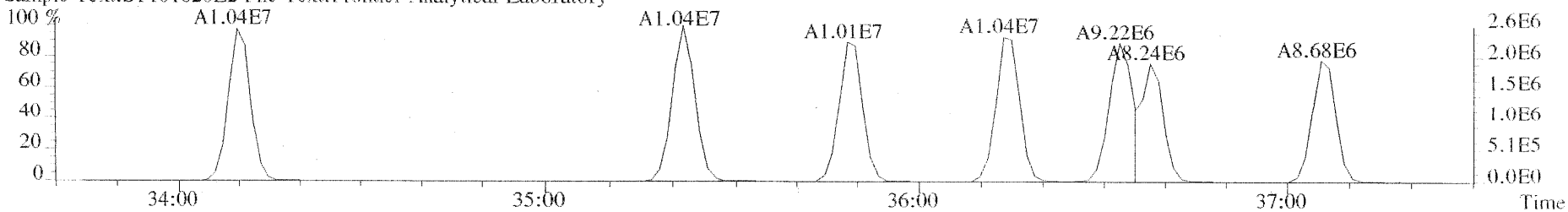
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



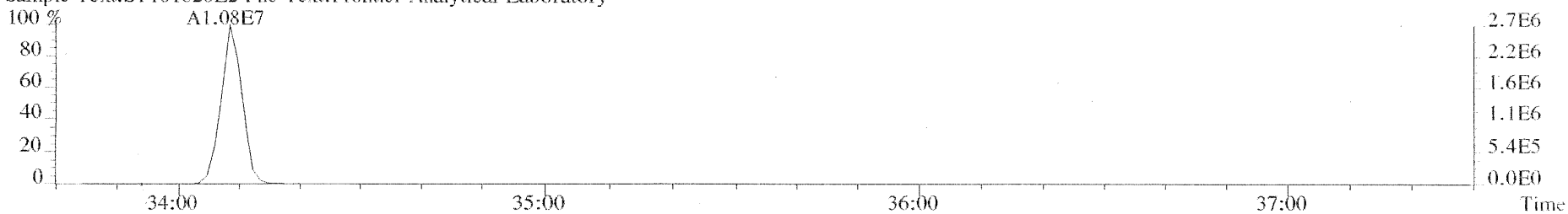
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



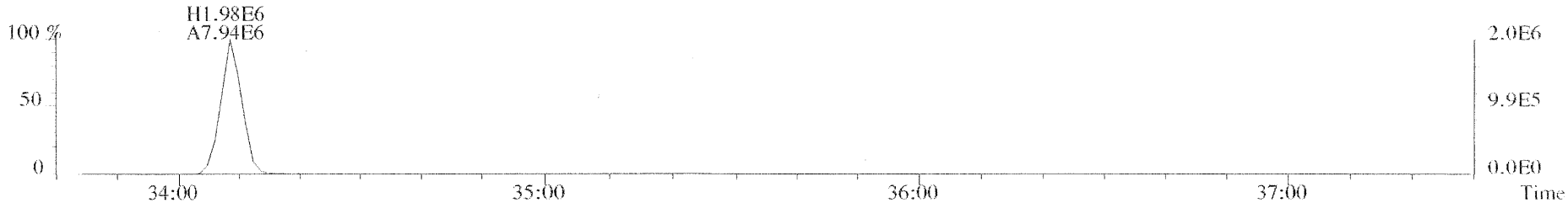
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



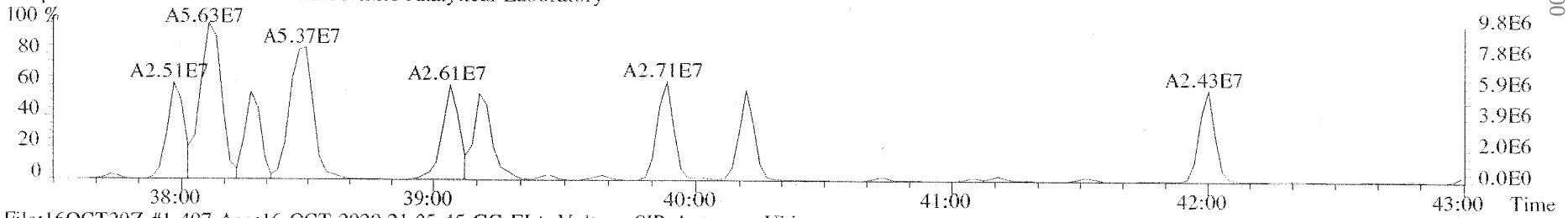
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



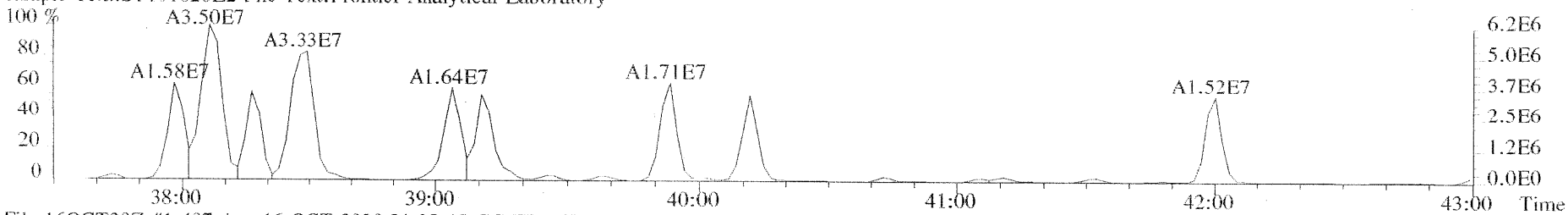
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



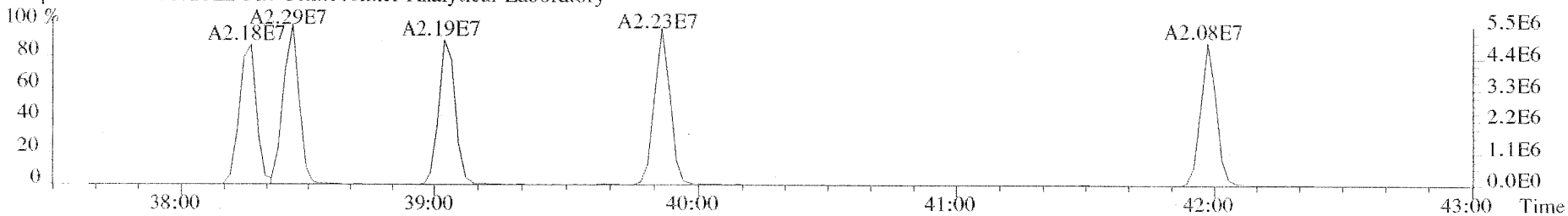
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



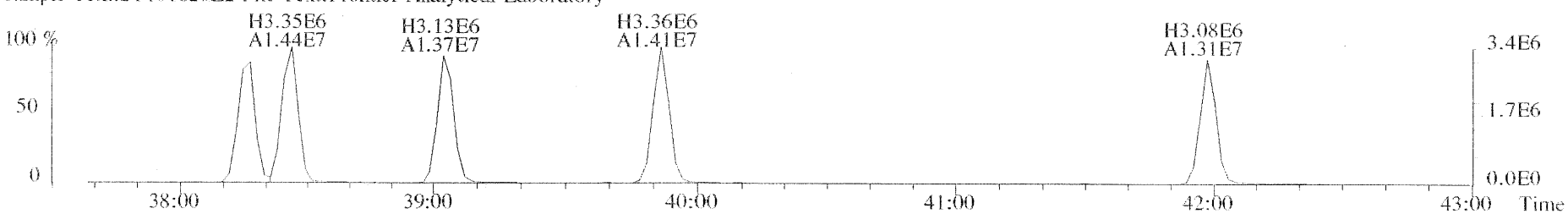
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



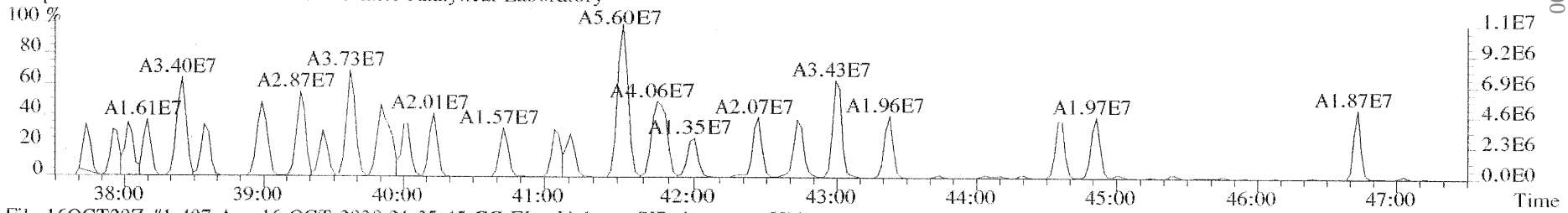
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



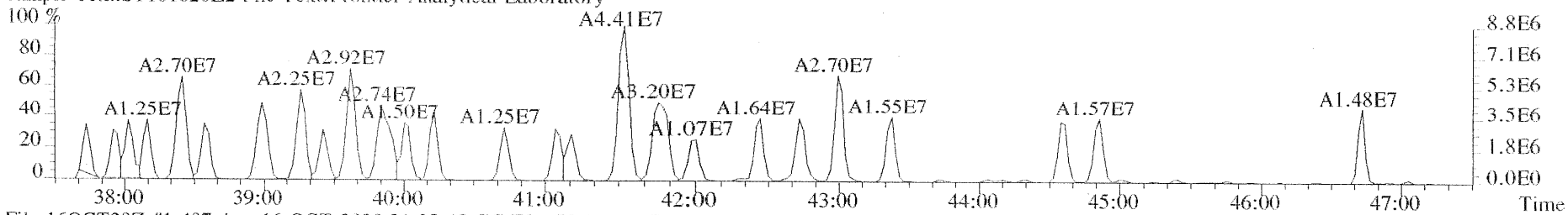
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



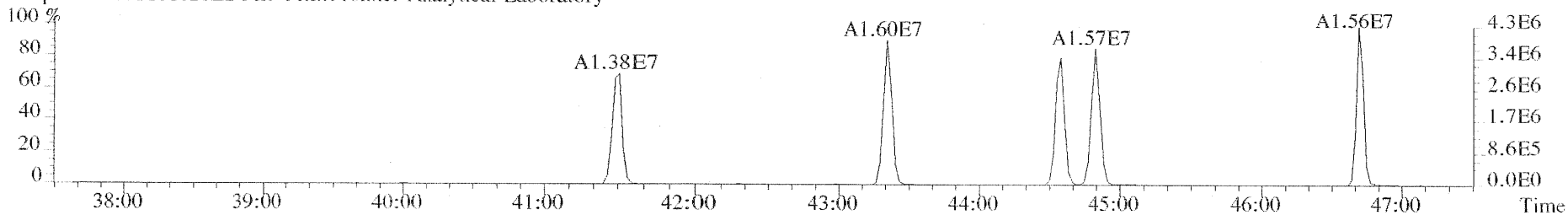
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



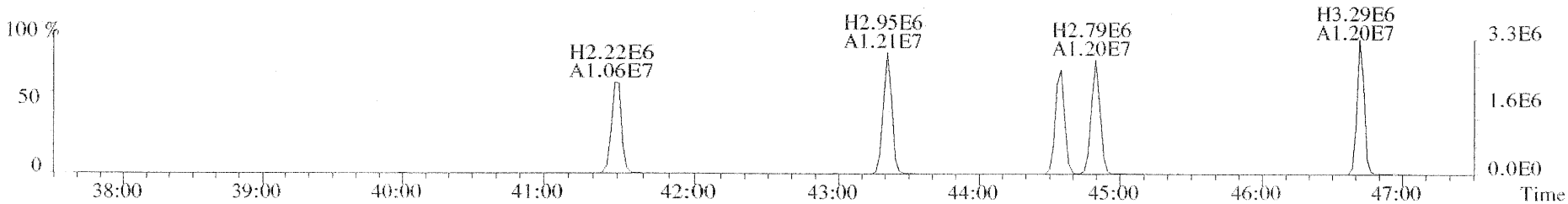
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



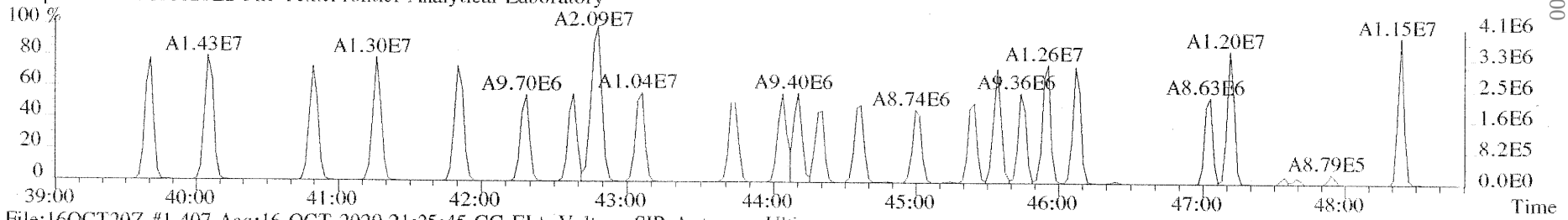
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



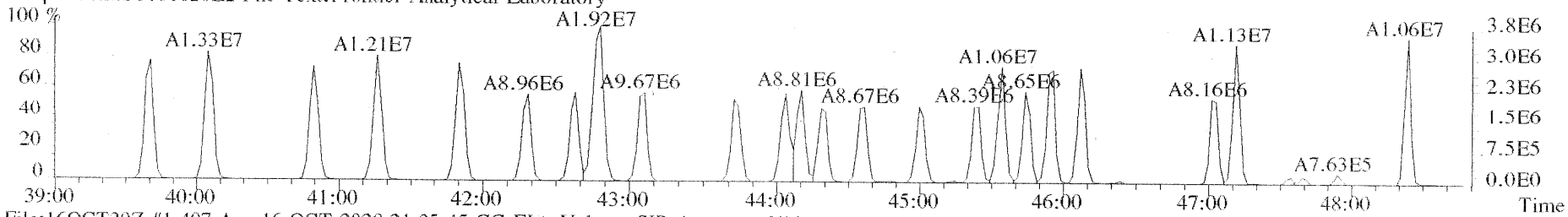
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



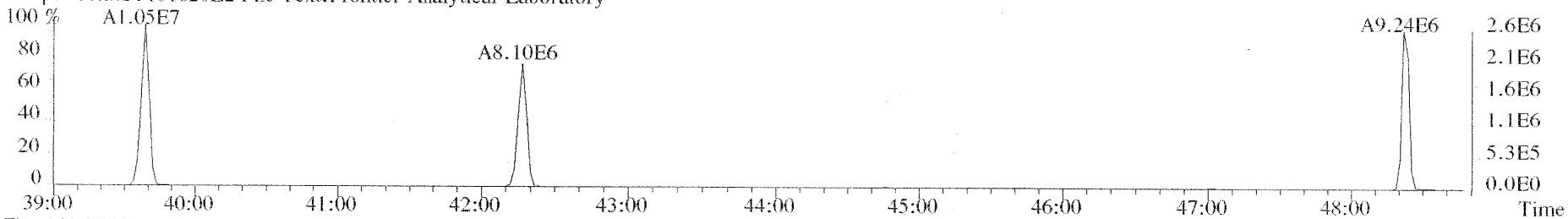
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



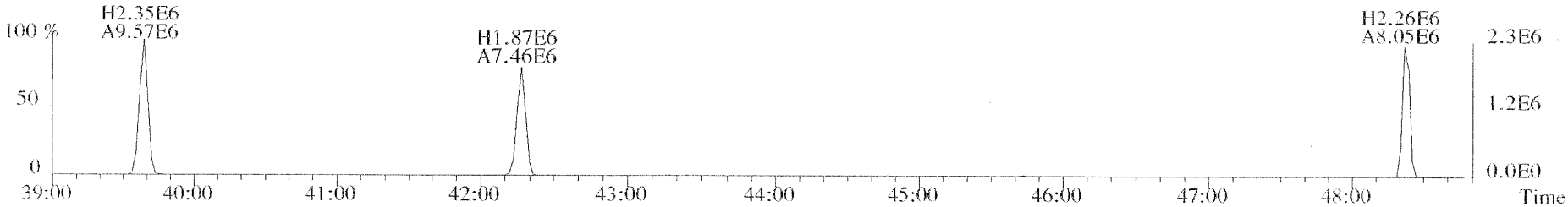
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



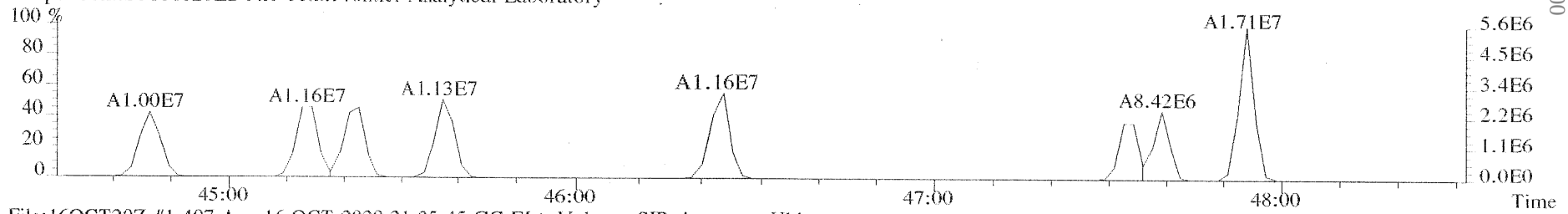
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



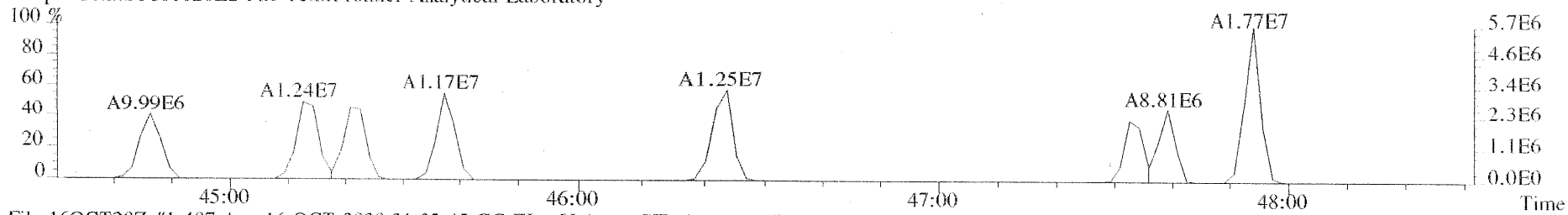
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



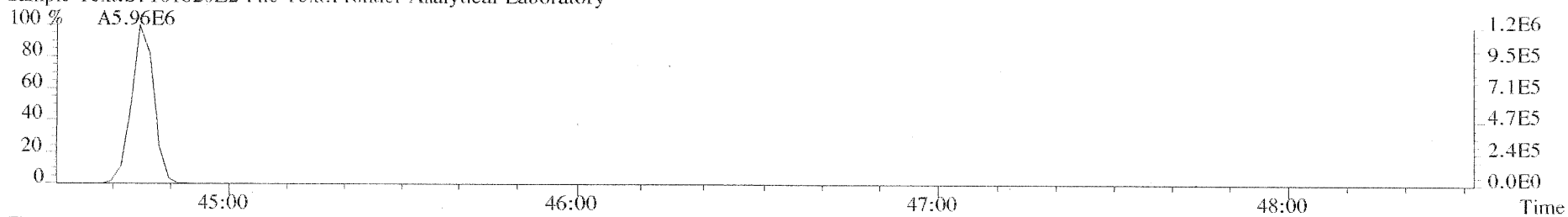
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



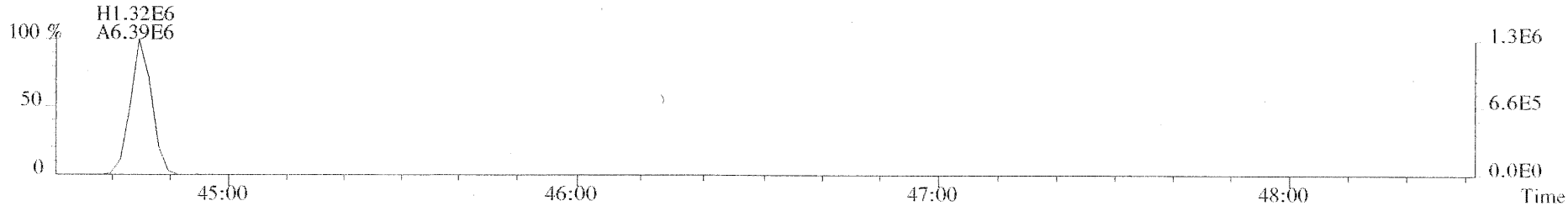
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



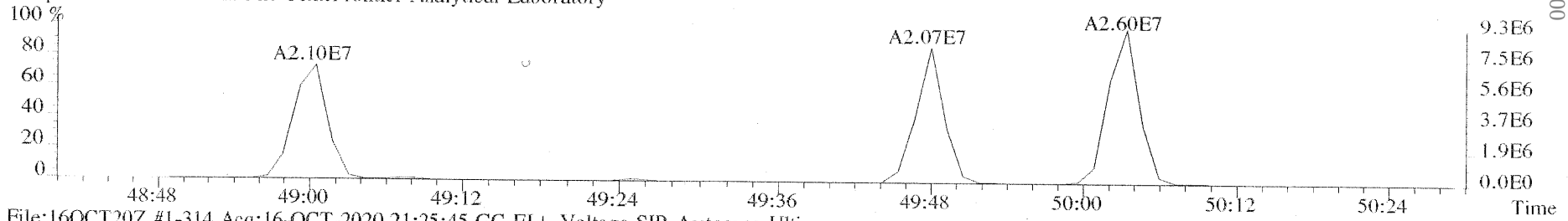
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



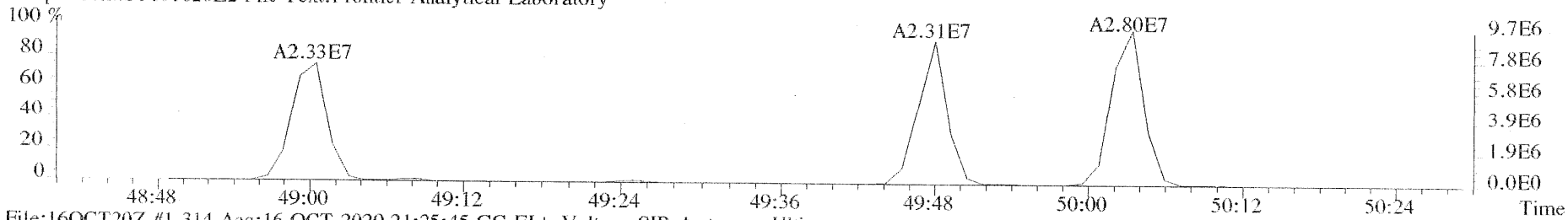
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



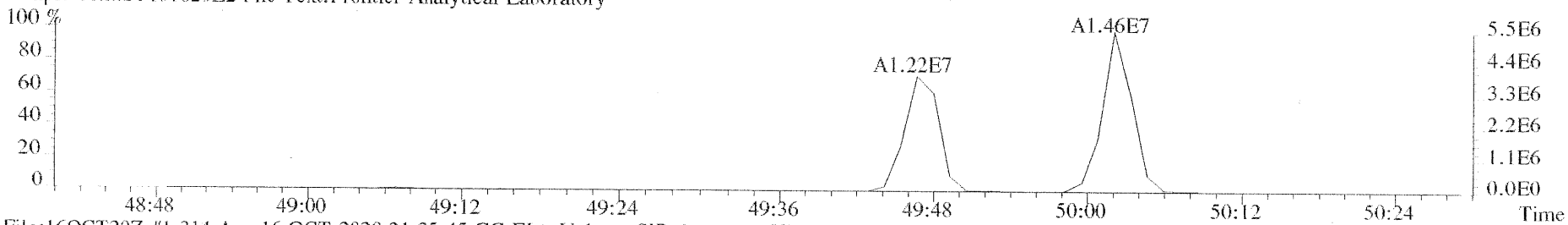
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



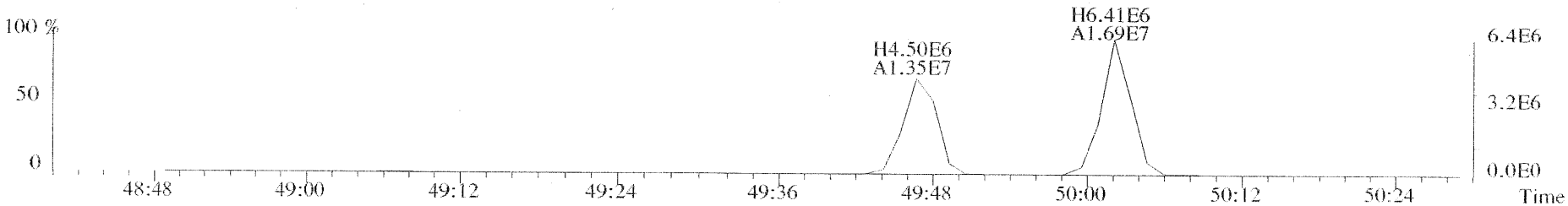
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



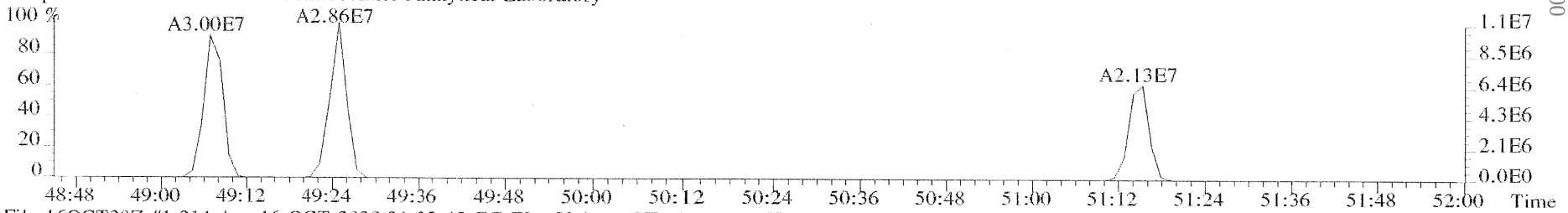
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



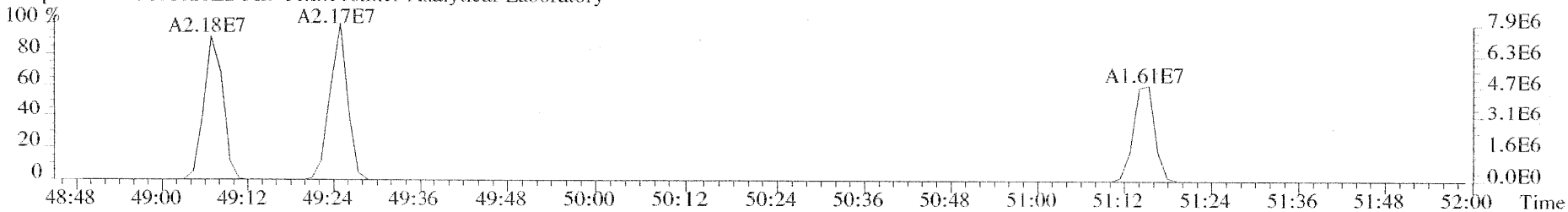
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



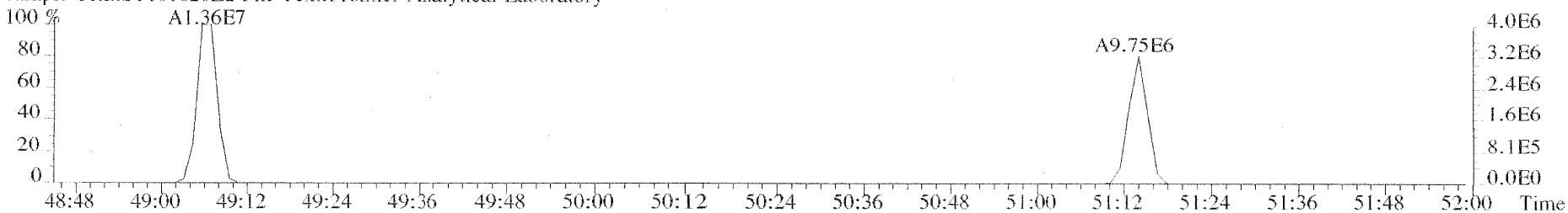
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



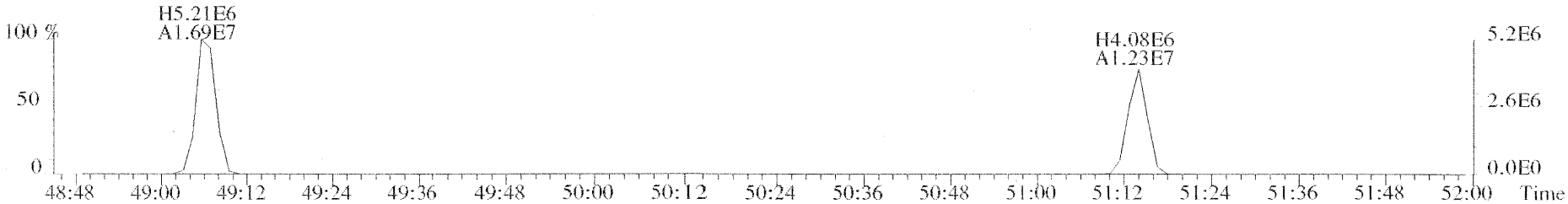
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



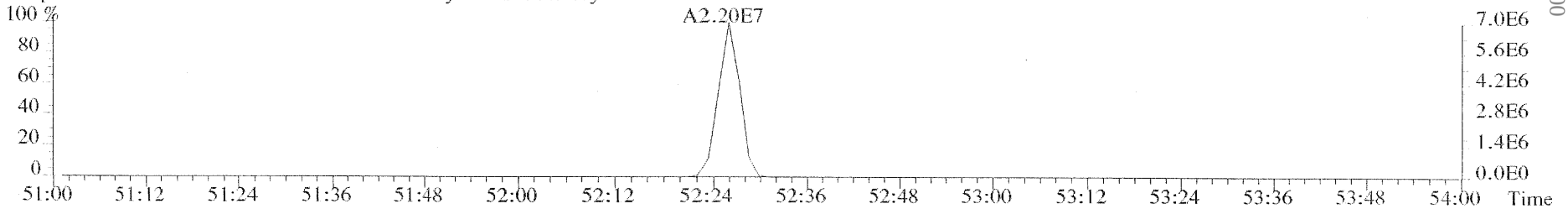
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



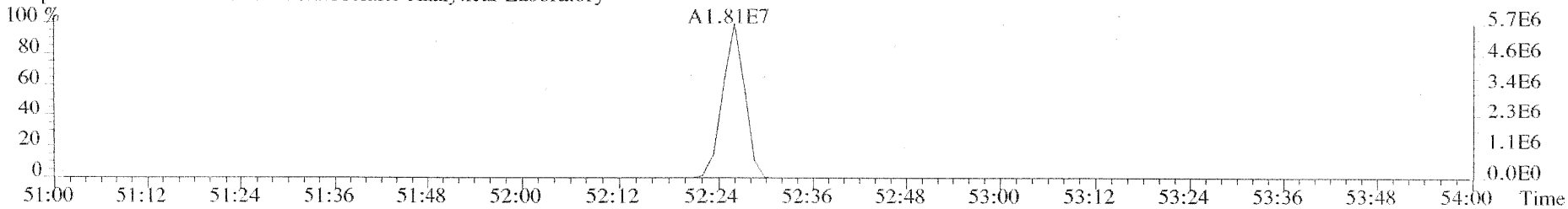
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



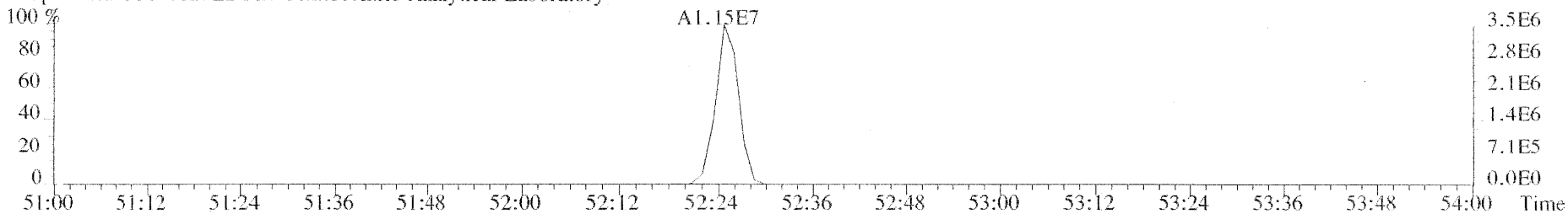
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



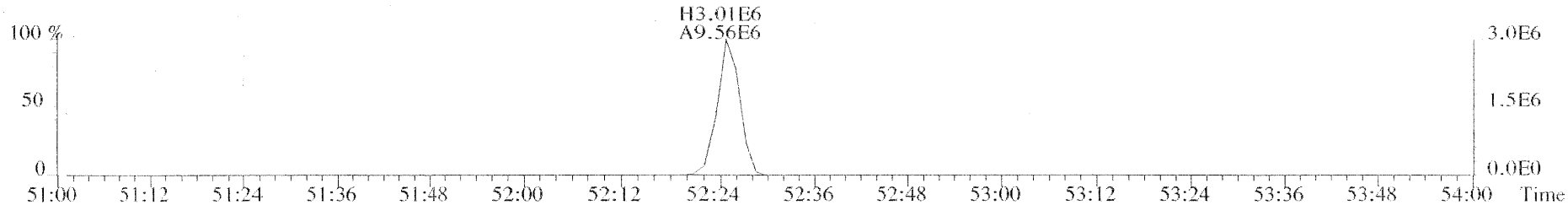
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



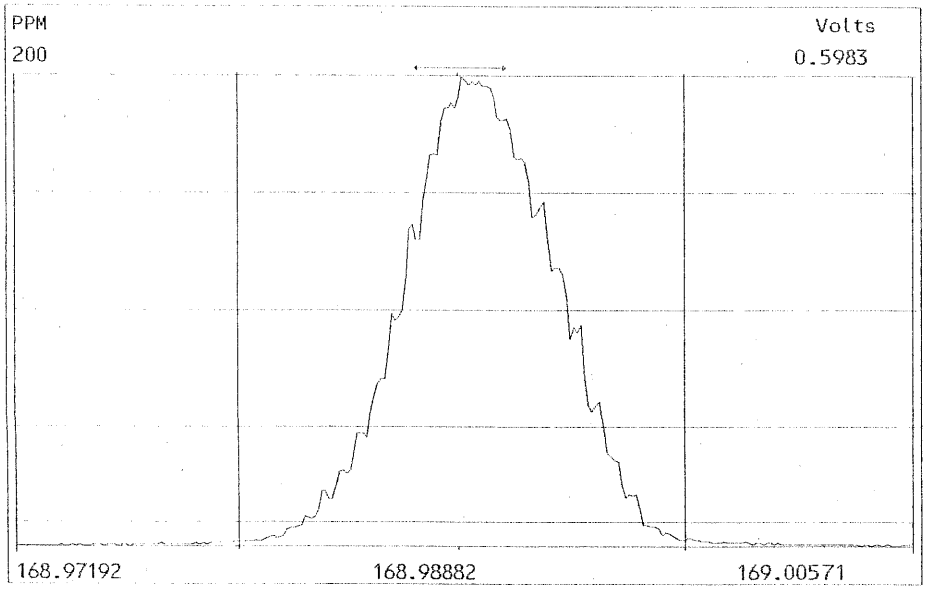
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory

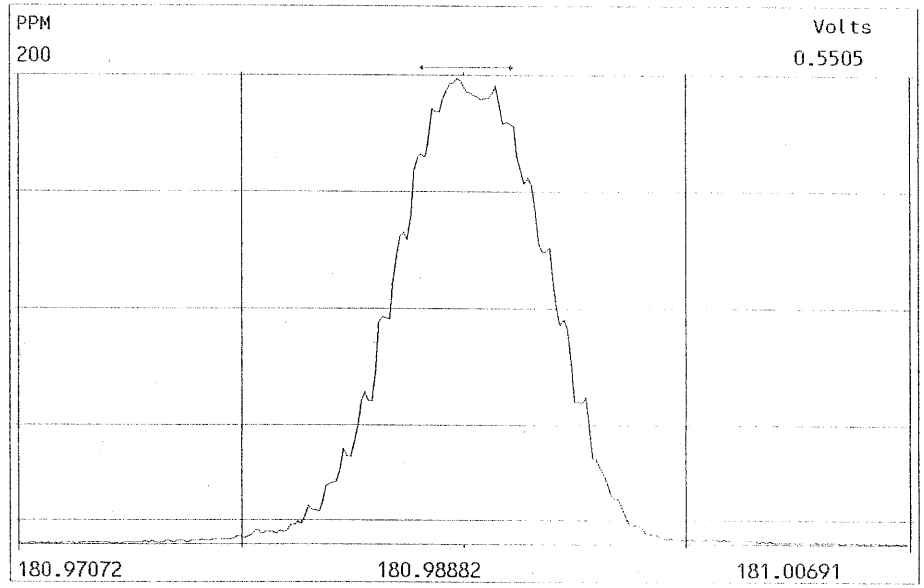


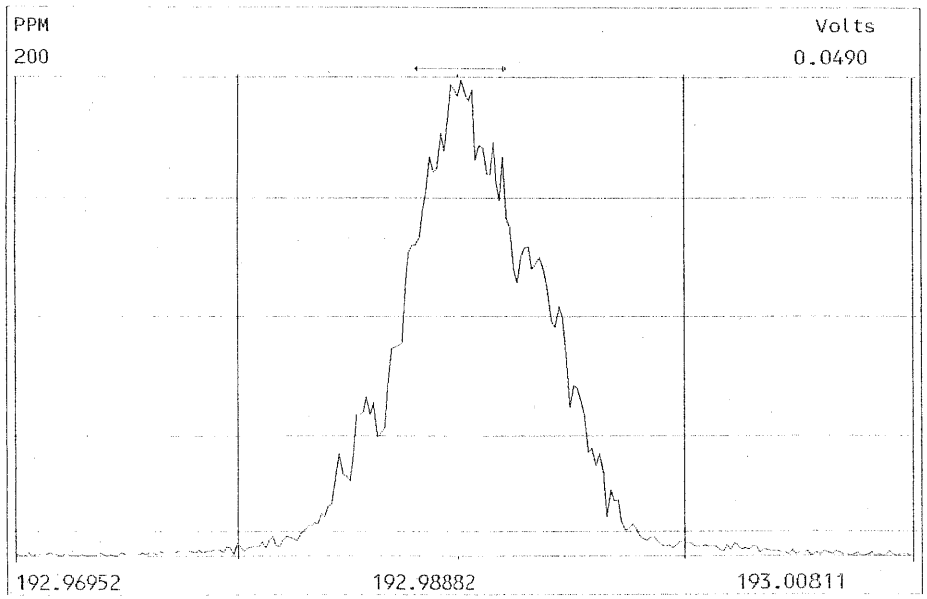
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory

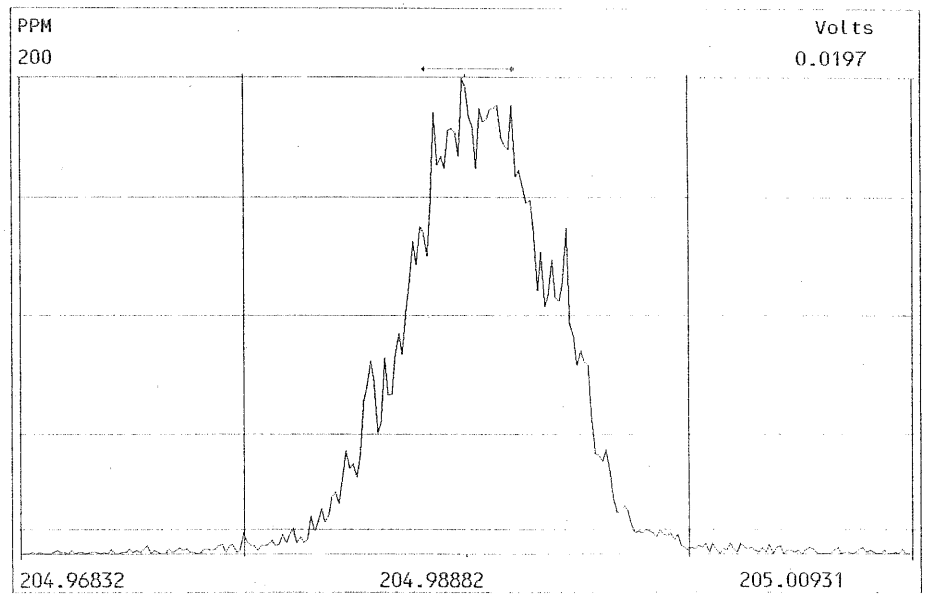


Peak Locate Examination:16-OCT-2020:22:53 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

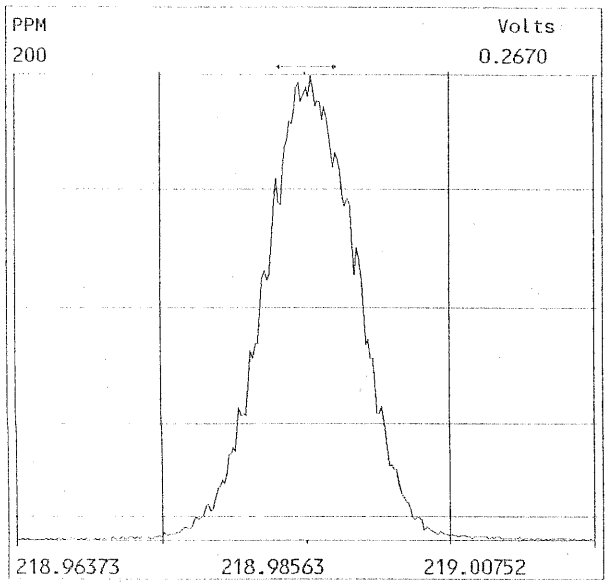


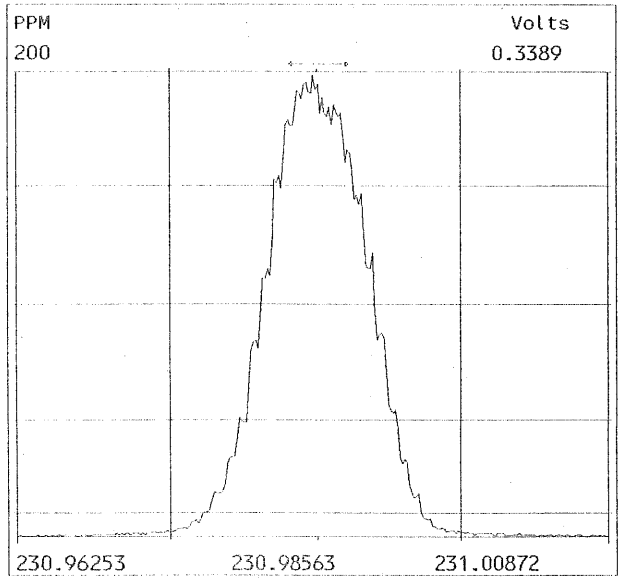


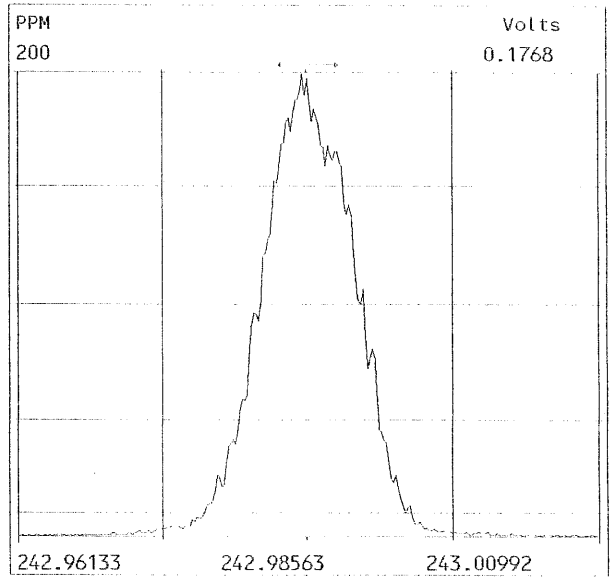


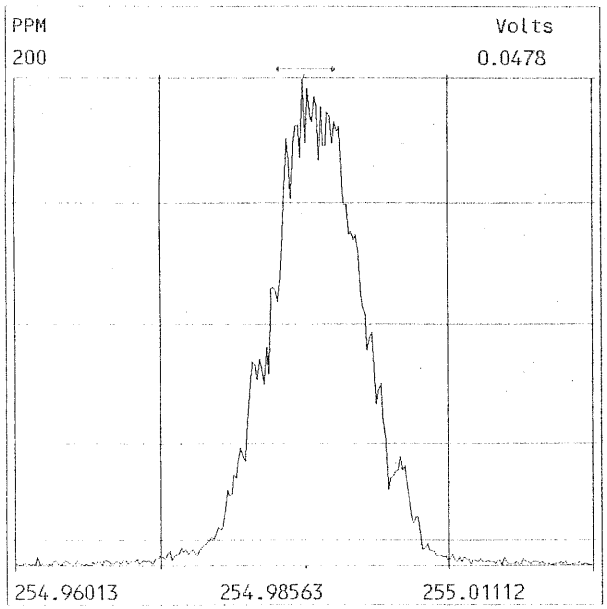


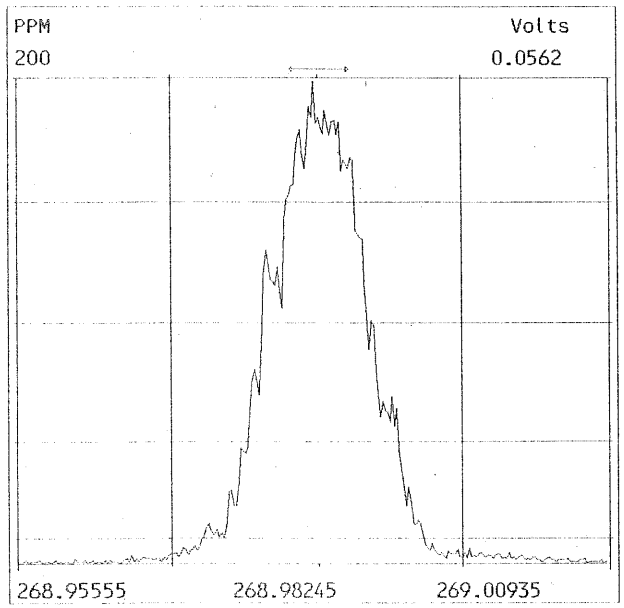
Peak Locate Examination:16-OCT-2020:22:55 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

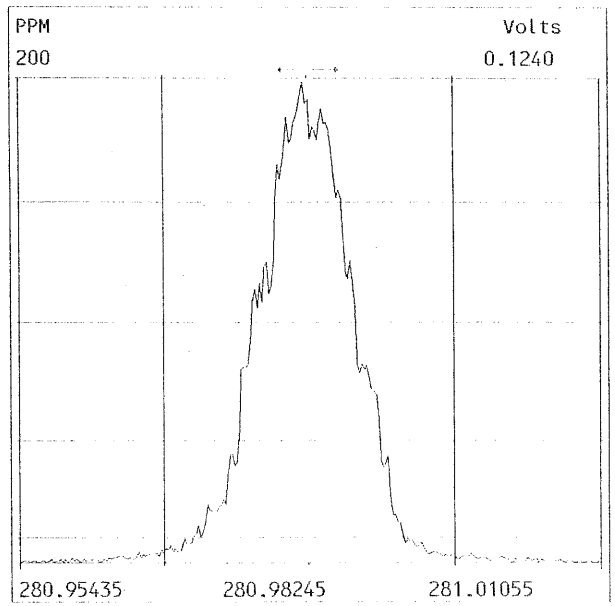




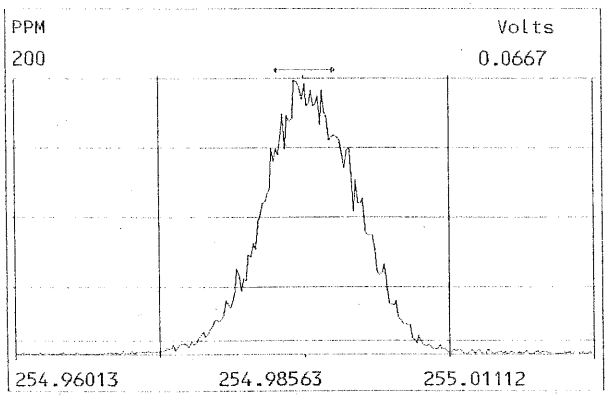


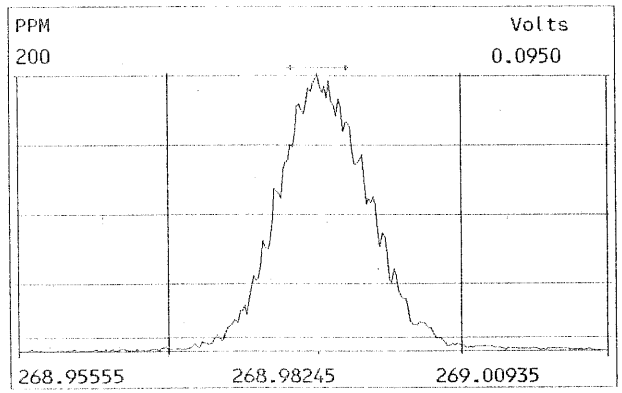


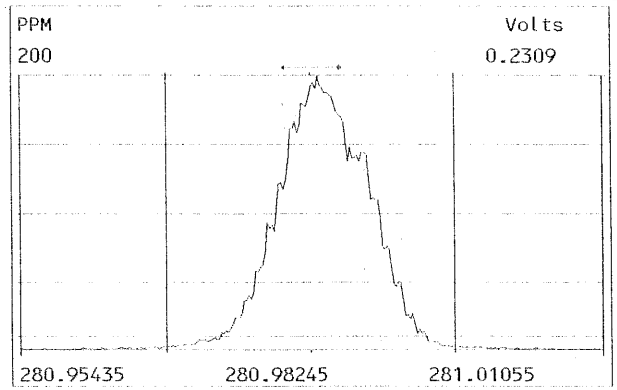


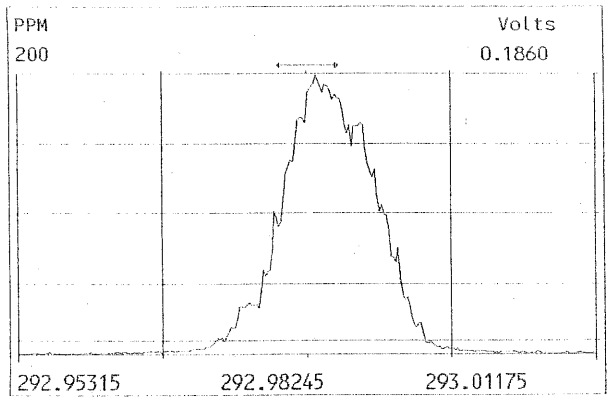


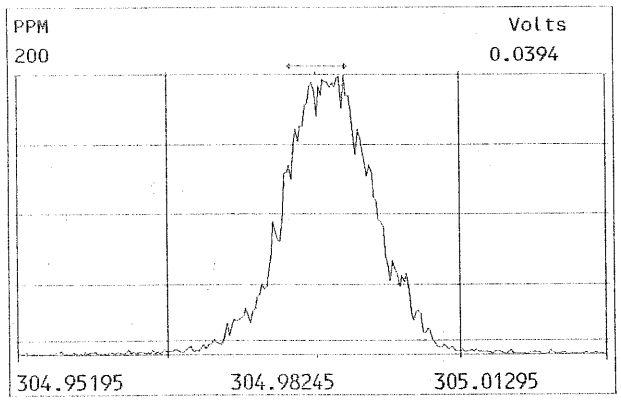
Peak Locate Examination:16-OCT-2020:22:57 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

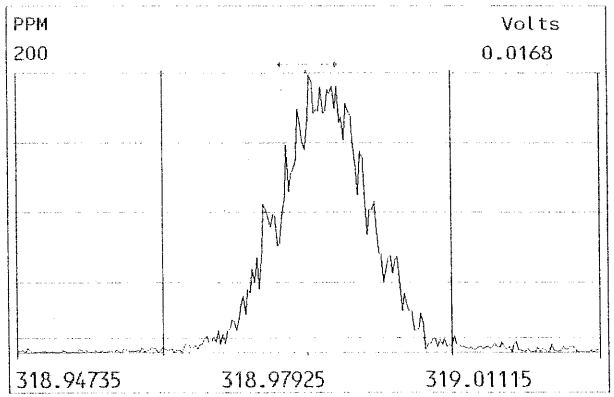


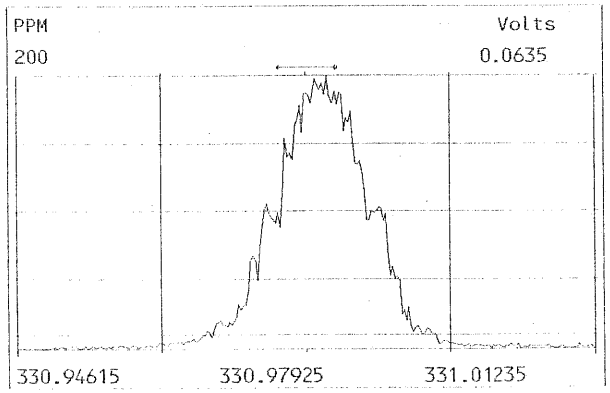


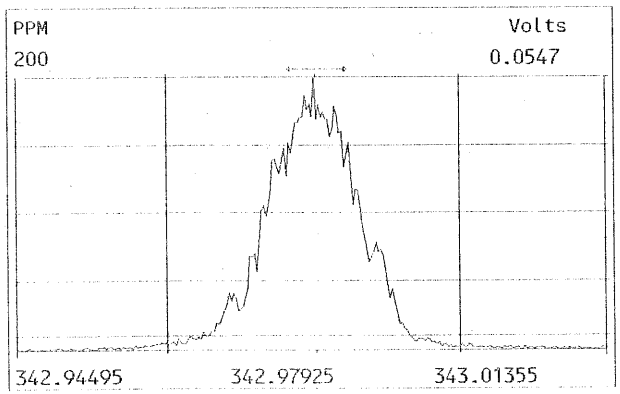






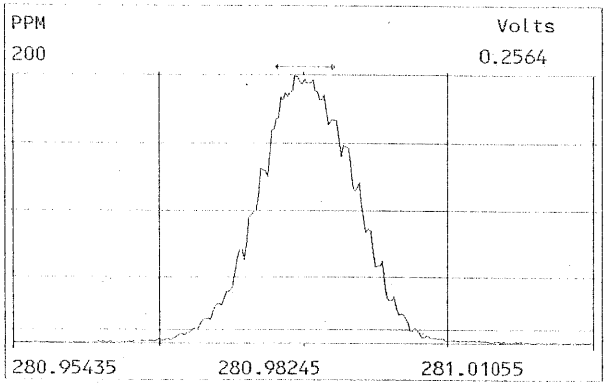


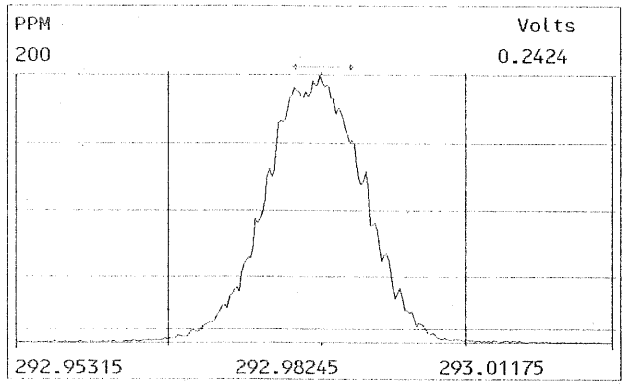


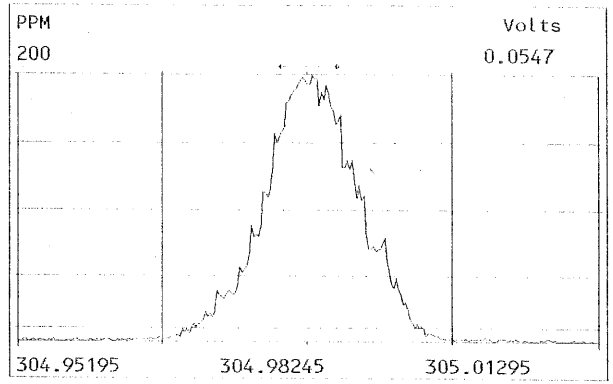


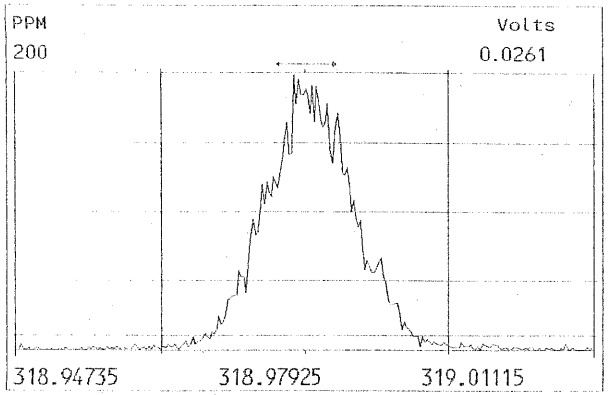
Peak Locate Examination:16-OCT-2020:23:00 File:16OCT20Z_RES_CHECK

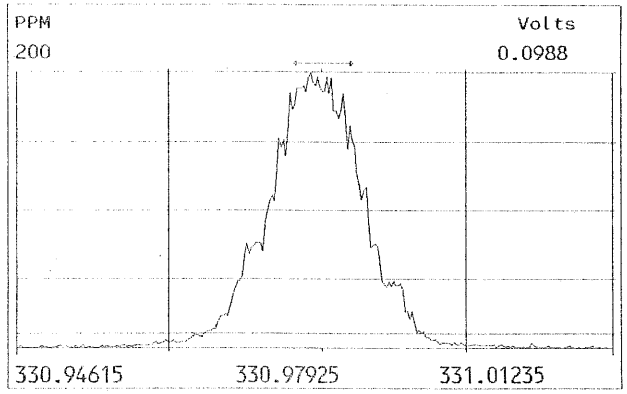
Experiment:1668PCB Function:4 Reference:PFK

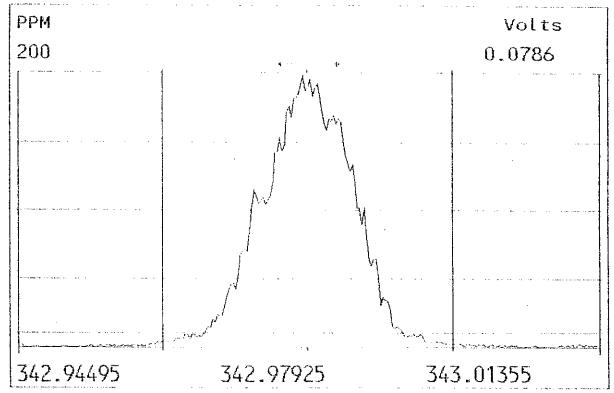


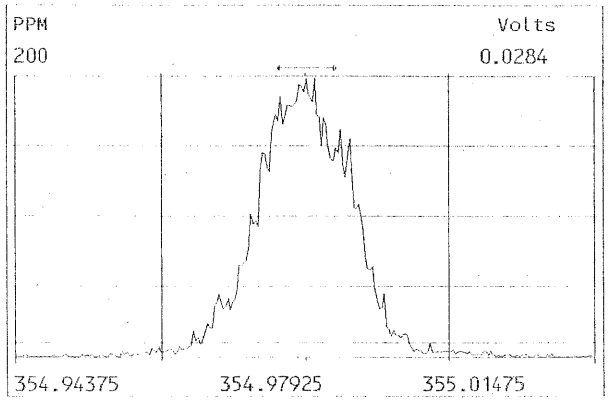


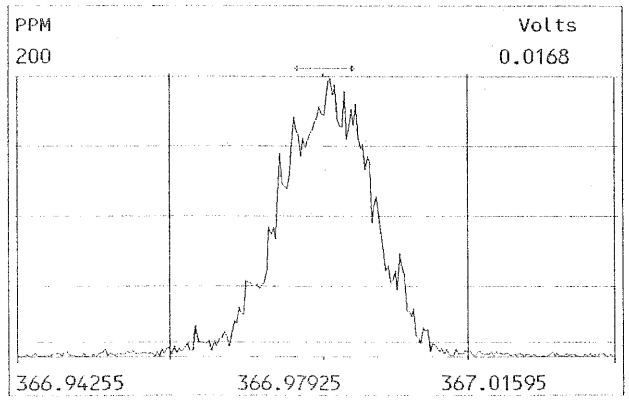


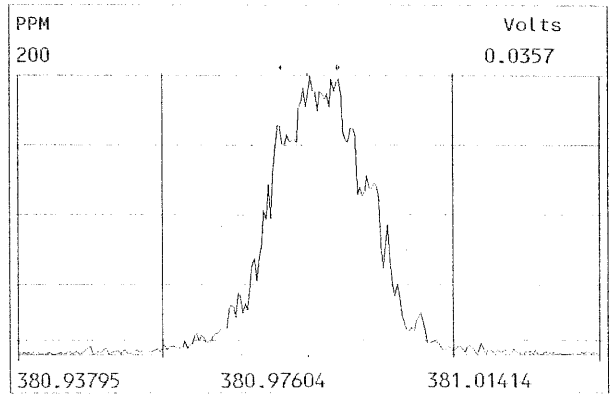




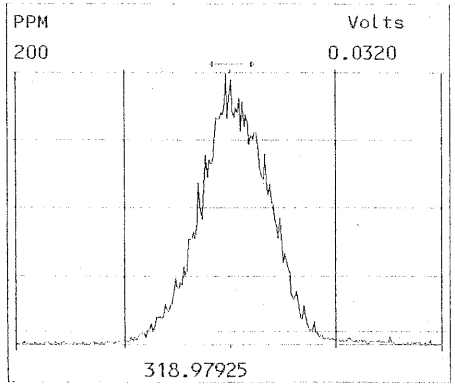


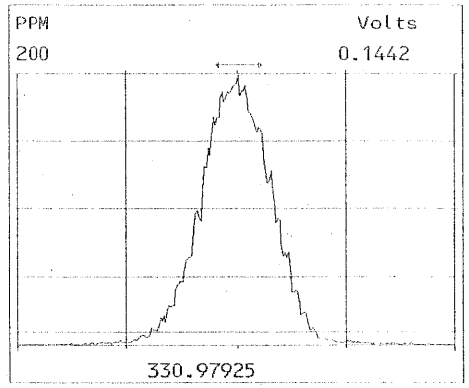


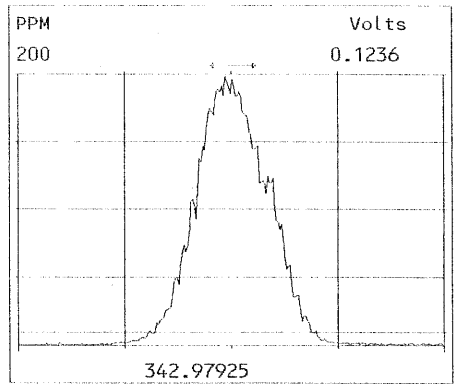


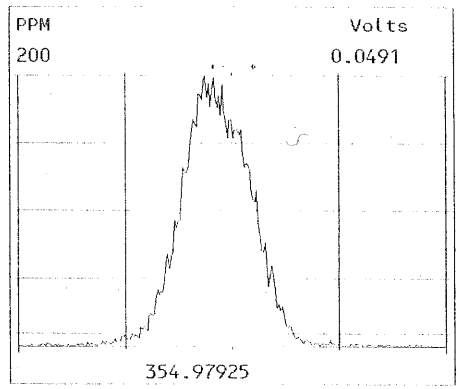


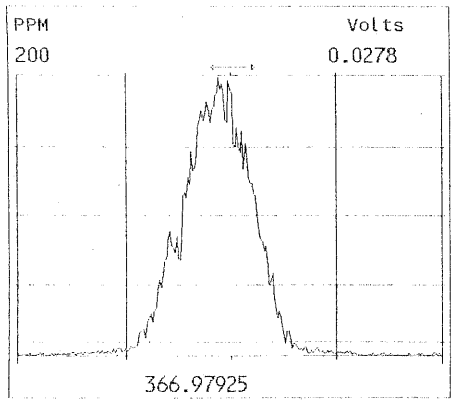
Peak Locate Examination:16-OCT-2020:23:02 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

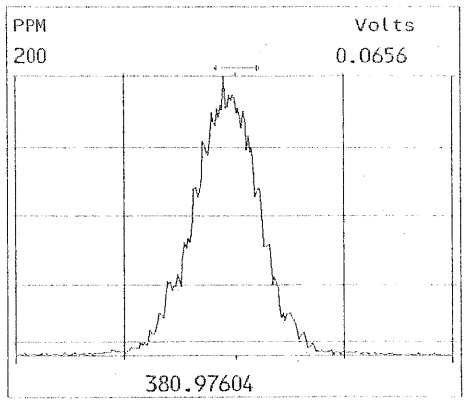


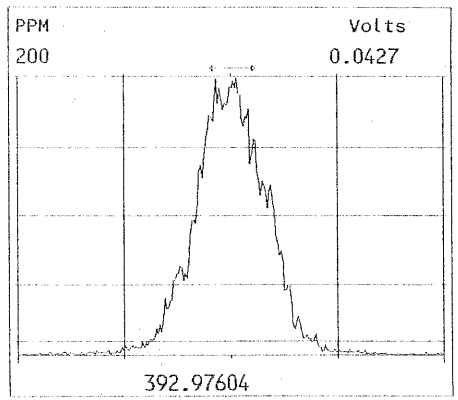


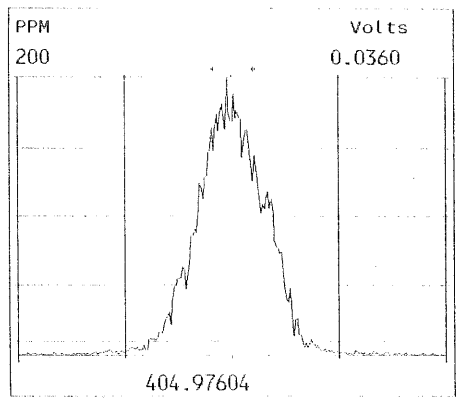


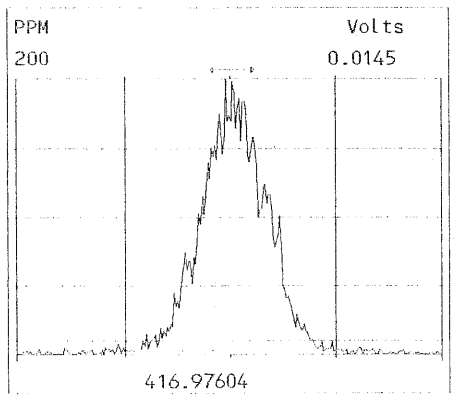


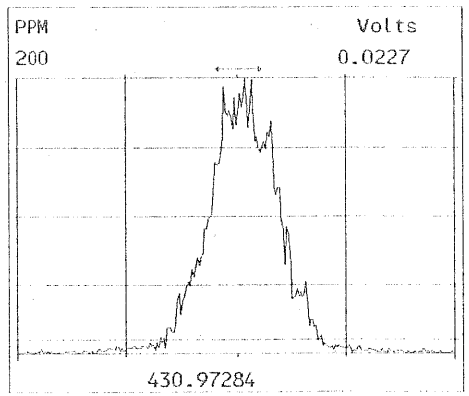


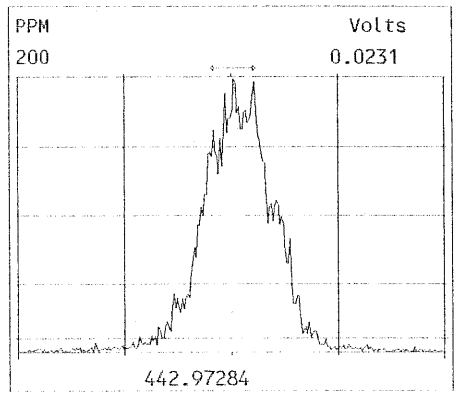




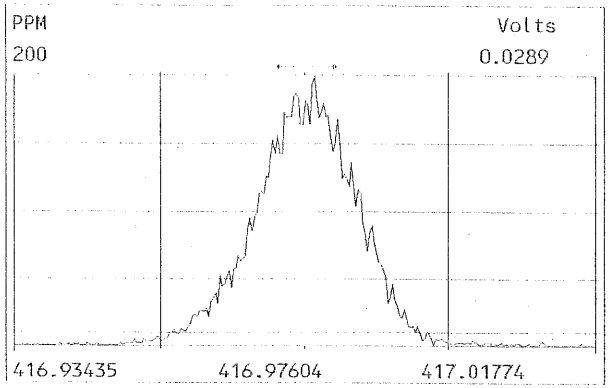


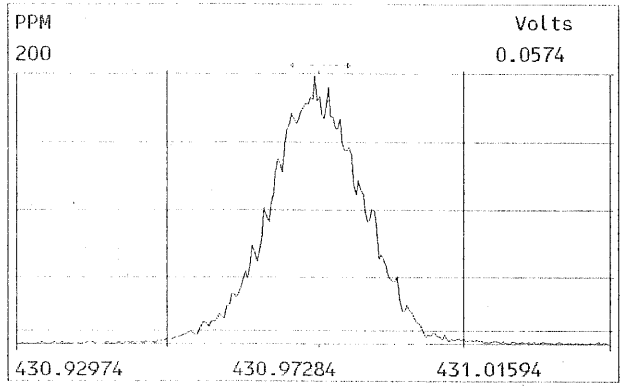


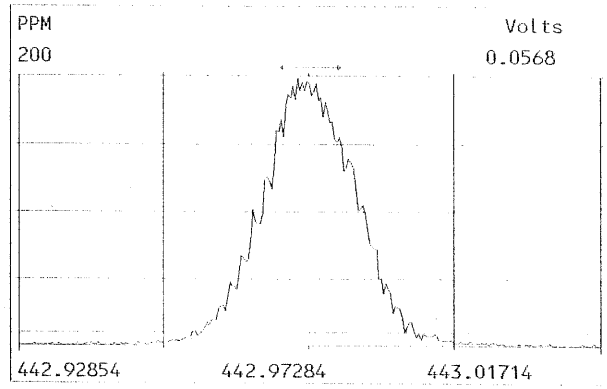


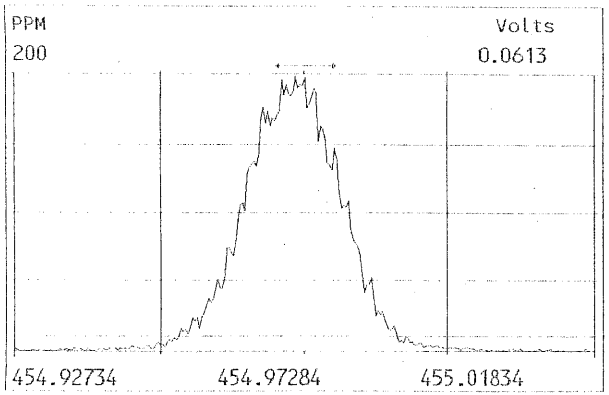


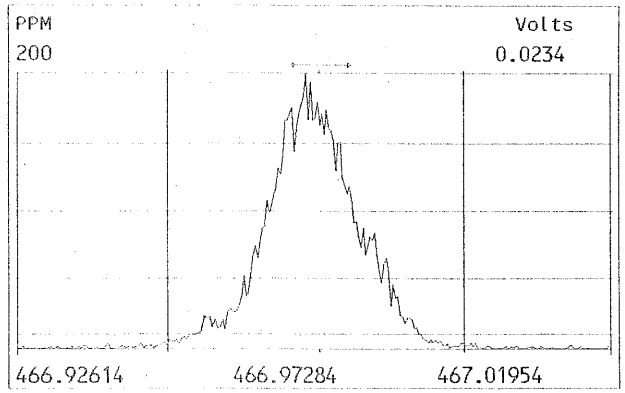
Peak Locate Examination:16-OCT-2020:23:04 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

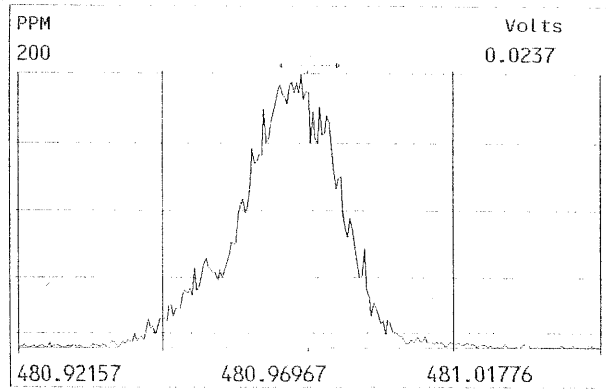


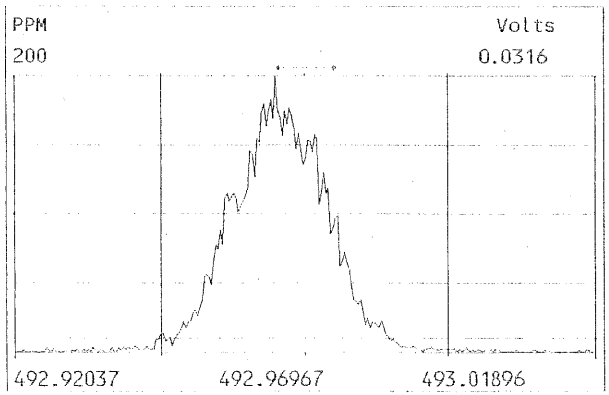


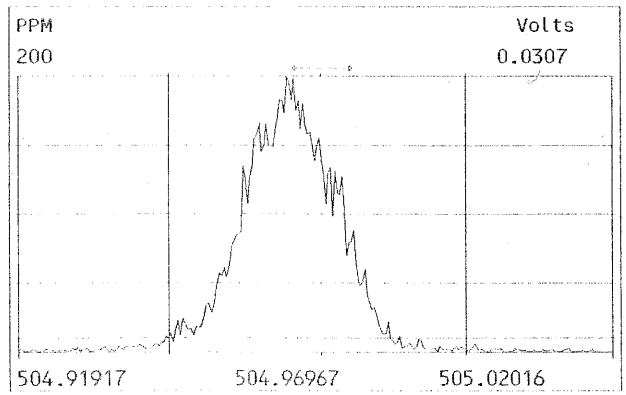


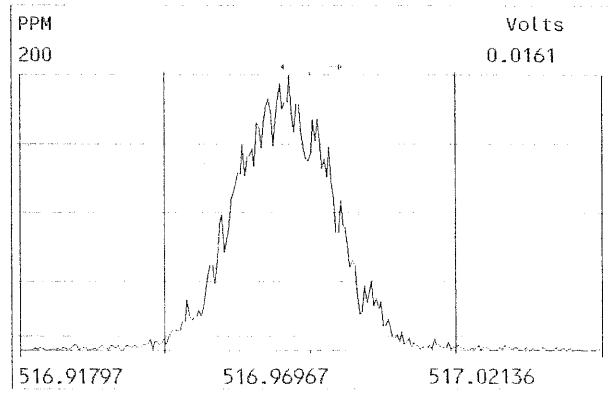












Cal: DAILY209FAL4-10-20-20

Run: 20OCT20Z Analyte: DAILY209FAL4-10-20-20 Results: 13371 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:20OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3232	-	1.32	
13C-PCB-1	0.8672	-	0.87	
PCB-2	1.3137	-	1.31	
PCB-3	1.3161	-	1.32	
13C-PCB-3	0.8248	-	0.82	
PCB-4	1.0565	-	1.06	
PCB-10	1.3007	-	1.30	
13C-PCB-4	0.6526	-	0.65	
PCB-9	1.2829	*	1.28	
PCB-7	1.3289	-	1.33	
PCB-6	1.4171	-	1.42	
PCB-8	1.2692	*	1.27	
PCB-5	1.2294	-	1.23	
PCB-14	1.2786	-	1.28	
PCB-11	1.2316	-	1.23	
PCB-13	1.2246	-	1.22	
PCB-12	1.2464	-	1.25	
PCB-15	1.1239	-	1.12	
13C-PCB-15	1.0168	-	1.02	
PCB-19	1.2711	-	1.27	
PCB-30	1.9011	-	1.90	
PCB-18	1.2833	-	1.28	
PCB-17	1.4200	-	1.42	
PCB-27	1.8943	*	1.89	
PCB-24	1.8321	-	1.83	
PCB-16	1.6122	*	1.61	
PCB-32	1.6652	-	1.67	
13C-PCB-19	0.4186	-	0.42	
13C-PCB-9	-	-	-	
PCB-34	1.0696	-	1.07	
PCB-23	1.1265	-	1.13	
PCB-29	1.0929	-	1.09	
PCB-26	1.0676	-	1.07	
PCB-25	1.0577	-	1.06	
PCB-31	1.0831	-	1.08	
PCB-28	1.3172	-	1.32	
PCB-20	1.0801	-	1.08	Co-elute PCB 21/33
PCB-21	1.0801	-	1.08	Co-elute PCB 20/33
PCB-33	1.0801	-	1.08	Co-elute PCB 20/21
PCB-22	1.2010	-	1.20	
PCB-36	1.1308	-	1.13	
PCB-39	1.1306	-	1.13	
PCB-38	1.0830	-	1.08	
PCB-35	1.0955	-	1.10	
PCB-37	1.1355	-	1.14	
13C-PCB-37	1.6418	-	1.64	

PCB-54	1.3615	-	1.36	
PCB-50	1.0625	-	1.06	
PCB-53	1.0369	-	1.04	
PCB-51	1.0966	-	1.10	
PCB-45	0.9161	-	0.92	
PCB-46	0.8846	-	0.88	
PCB-52	1.1477	-	1.15	Co-elute PCB 69
PCB-69	1.1477	-	1.15	Co-elute PCB 52
PCB-73	1.3186	-	1.32	
PCB-43	0.9939	-	0.99	Co-elute PCB 49
PCB-49	0.9939	-	0.99	Co-elute PCB 43
PCB-47	1.0092	-	1.01	
PCB-48	1.3144	-	1.31	Co-elute PCB 75
PCB-75	1.3144	-	1.31	Co-elute PCB 48
PCB-65	1.3283	-	1.33	
PCB-62	1.2785	-	1.28	
PCB-44	0.8671	-	0.87	
PCB-42	1.1367	-	1.14	Co-elute PCB 59
PCB-59	1.1367	-	1.14	Co-elute PCB 42
PCB-72	1.2824	-	1.28	Co-elute PCB 41/71/64
PCB-41	1.2824	-	1.28	Co-elute PCB 72/71/64
PCB-71	1.2824	-	1.28	Co-elute PCB 72/41/64
PCB-64	1.2824	-	1.28	Co-elute PCB 72/41/71
PCB-68	1.4867	-	1.49	
PCB-40	0.8115	-	0.81	
PCB-57	1.4105	-	1.41	
PCB-67	1.4226	-	1.42	
PCB-58	1.3864	-	1.39	
PCB-63	1.3969	-	1.40	
PCB-74	1.4206	-	1.42	
PCB-61	1.2799	-	1.28	Co-elute PCB 70
PCB-70	1.2799	-	1.28	Co-elute PCB 61
PCB-76	1.4858	*	1.49	Co-elute PCB 66
PCB-66	1.4858	*	1.49	Co-elute PCB 76
PCB-80	1.6852	-	1.69	
PCB-55	1.4907	-	1.49	
13C-PCB-54	1.1275	-	1.13	
PCB-104	1.1762	-	1.18	
PCB-96	1.1452	-	1.15	
PCB-103	0.9500	-	0.95	
PCB-100	0.9554	-	0.96	
PCB-94	0.7950	-	0.79	
PCB-98	0.8608	-	0.86	Co-elute PCB 102
PCB-102	0.8608	-	0.86	Co-elute PCB 98
PCB-95	0.8338	*	0.83	
PCB-93	0.8344	-	0.83	
PCB-88	0.8718	-	0.87	Co-elute PCB 91
PCB-91	0.8718	-	0.87	Co-elute PCB 88
PCB-121	1.1804	-	1.18	
13C-PCB-104	0.8978	-	0.90	
13C-PCB-28	1.9038	-	1.90	
13C-PCB-52	-	-	-	

PCB-56	1.1000	-	1.10	Co-elute PCB 60
PCB-60	1.1000	-	1.10	Co-elute PCB 56
PCB-79	1.2504	-	1.25	
PCB-78	1.2094	-	1.21	
PCB-81	1.2955	-	1.30	
13C-PCB-81	1.6316	-	1.63	
PCB-77	1.1550	-	1.16	
13C-PCB-77	1.7081	-	1.71	
PCB-155	1.2247	-	1.22	
PCB-150	1.2043	-	1.20	
PCB-152	1.1867	-	1.19	
PCB-145	1.1776	-	1.18	
PCB-136	1.0765	-	1.08	
PCB-148	1.0175	-	1.02	
PCB-154	1.0531	-	1.05	
13C-PCB-155	0.9862	-	0.99	
13C-PCB-111	1.2667	-	1.27	
13C-PCB-101	-	-	-	
PCB-84	0.7031	-	0.70	Co-elute PCB 92
PCB-92	0.7031	-	0.70	Co-elute PCB 84
PCB-89	0.6861	-	0.69	
PCB-90	0.7916	-	0.79	Co-elute PCB 101
PCB-101	0.7916	-	0.79	Co-elute PCB 90
PCB-113	0.9237	-	0.92	
PCB-99	0.8409	-	0.84	
PCB-119	1.0112	-	1.01	
PCB-83	0.8018	-	0.80	Co-elute PCB 112
PCB-112	0.8018	-	0.80	Co-elute PCB 83
PCB-109	0.9738	-	0.97	
PCB-97	0.6655	-	0.67	
PCB-86	0.6830	-	0.68	
PCB-125	0.9053	-	0.91	Co-elute PCB 87/117
PCB-87	0.9053	-	0.91	Co-elute PCB 125/117
PCB-117	0.9053	-	0.91	Co-elute PCB 125/87
PCB-111	0.9800	-	0.98	Co-elute PCB 115
PCB-115	0.9800	-	0.98	Co-elute PCB 111
PCB-85	0.8717	-	0.87	Co-elute PCB 116
PCB-116	0.8717	-	0.87	Co-elute PCB 85
PCB-120	1.0767	-	1.08	
PCB-110	0.9913	-	0.99	
PCB-82	0.6122	-	0.61	
PCB-124	1.0607	-	1.06	
PCB-108	1.1057	-	1.11	Co-elute PCB 107
PCB-107	1.1057	-	1.11	Co-elute PCB 108
PCB-123	0.9961	-	1.00	
13C-PCB-123	1.2912	-	1.29	
PCB-118	1.0669	-	1.07	Co-elute PCB 106
PCB-106	1.0669	-	1.07	Co-elute PCB 118
13C-PCB-118	1.3929	-	1.39	
PCB-114	1.0820	-	1.08	
13C-PCB-114	1.3697	-	1.37	
PCB-122	1.1479	-	1.15	
PCB-105	1.1471	-	1.15	
13C-PCB-105	1.3718	-	1.37	
PCB-127	1.0504	-	1.05	
PCB-126	1.0733	-	1.07	
13C-PCB-126	1.3456	-	1.35	

PCB-151	0.8522	-	0.85	
PCB-135	0.8039	-	0.80	
PCB-144	1.0586	-	1.06	
PCB-147	0.9581	-	0.96	
PCB-139	0.9882	-	0.99	Co-elute PCB 149
PCB-149	0.9882	-	0.99	Co-elute PCB 139
PCB-140	0.9539	-	0.95	
PCB-143	0.8128	-	0.81	Co-elute PCB 134
PCB-134	0.8128	-	0.81	Co-elute PCB 143
PCB-131	0.8355	-	0.84	Co-elute PCB 133
PCB-133	0.8355	-	0.84	Co-elute PCB 131
PCB-142	0.8258	-	0.83	
PCB-165	1.0369	-	1.04	Co-elute PCB 146
PCB-146	1.0369	-	1.04	Co-elute PCB 165
PCB-161	1.0000	-	1.00	Co-elute PCB 132
PCB-132	1.0000	-	1.00	Co-elute PCB 161
PCB-153	1.1659	-	1.17	
PCB-168	1.1805	-	1.18	
PCB-141	0.9273	-	0.93	
PCB-137	0.8754	-	0.88	
PCB-130	0.8710	-	0.87	
PCB-138	1.1351	-	1.14	Co-elute PCB 163/164
PCB-163	1.1351	-	1.14	Co-elute PCB 138/164
PCB-164	1.1351	-	1.14	Co-elute PCB 138/163
PCB-158	1.2503	-	1.25	Co-elute PCB 160
PCB-160	1.2503	-	1.25	Co-elute PCB 158
PCB-129	0.8068	-	0.81	
PCB-166	1.2170	-	1.22	
PCB-159	1.3259	-	1.33	
PCB-128	1.0613	-	1.06	Co-elute PCB 162
PCB-162	1.0613	-	1.06	Co-elute PCB 128
PCB-167	1.2343	-	1.23	
13C-PCB-167	1.1392	-	1.14	
PCB-156	1.2885	-	1.29	
13C-PCB-156	1.1236	-	1.12	
PCB-157	1.2450	-	1.24	
13C-PCB-157	1.1439	-	1.14	
PCB-169	1.2049	-	1.20	
13C-PCB-169	1.1674	-	1.17	
PCB-188	1.2098	-	1.21	
13C-PCB-188	0.8640	-	0.86	

PCB-184	1.3129	-	1.31	
PCB-179	1.2763	-	1.28	
PCB-176	1.2627	-	1.26	
PCB-186	1.2210	-	1.22	
PCB-178	0.8979	-	0.90	
PCB-175	0.9306	-	0.93	
PCB-187	1.0211	-	1.02	Co-elute PCB 182
PCB-182	1.0211	-	1.02	Co-elute PCB 187
PCB-183	0.9928	-	0.99	
PCB-185	0.9427	-	0.94	
PCB-174	0.9350	-	0.94	
PCB-181	0.9089	-	0.91	
PCB-177	0.8404	-	0.84	
PCB-171	0.9169	-	0.92	
PCB-173	0.8258	-	0.83	
PCB-172	0.8692	-	0.87	
PCB-192	1.1371	-	1.14	
PCB-180	0.8932	-	0.89	
PCB-193	1.2323	-	1.23	
PCB-191	1.2670	-	1.27	
PCB-170	0.8937	-	0.89	
PCB-190	1.1843	-	1.18	
PCB-189	1.2125	-	1.21	
13C-PCB-189	0.8789	-	0.88	
PCB-202	1.1607	-	1.16	
PCB-201	1.2414	-	1.24	
PCB-204	1.2603	-	1.26	
PCB-197	1.2933	-	1.29	
PCB-200	1.2697	-	1.27	
PCB-198	0.9059	-	0.91	
PCB-199	0.9545	-	0.95	
PCB-203	1.0147	-	1.01	Co-elute PCB 196
PCB-196	1.0147	-	1.01	Co-elute PCB 203
13C-PCB-202	0.6755	-	0.68	
13C-PCB-178	0.7037	-	0.70	
13C-PCB-138	-	-	-	
PCB-195	0.8526	-	0.85	
PCB-194	0.9393	-	0.94	
PCB-205	1.1224	-	1.12	
13C-PCB-205	1.2236	-	1.22	
PCB-208	1.1062	-	1.11	
13C-PCB-208	0.9829	-	0.98	
PCB-207	1.2628	-	1.26	
PCB-206	1.1590	-	1.16	
13C-PCB-206	0.7510	-	0.75	
PCB-209	1.2212	-	1.22	
13C-PCB-209	0.7977	-	0.80	
13C-PCB-194	-	-	-	

Analyst: _____ Date: 10/20/20

Run #1 Filename 20OCT20Z S: 1 Acquired: 20-OCT-20 08:37:49 Cal: DAILY209FAL4-10-20-20
Client ID: ST10202021 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	4.19e+07	3.21 y	14:30	-	1.32	
2	IS/RT	13C-PCB-1	100.00	6.34e+07	3.25 y	14:29	-	0.867	
3	Unk	PCB-2	50.00	4.06e+07	3.19 y	16:43	-	1.31	
4	Unk	PCB-3	50.00	3.97e+07	3.18 y	16:56	-	1.32	
5	IS/RT	13C-PCB-3	100.00	6.03e+07	3.25 y	16:55	-	0.825	
6	Unk	PCB-4	50.00	2.52e+07	1.41 y	18:11	-	1.06	
7	Unk	PCB-10	50.00	3.97e+07	1.52 y	18:14	-	1.30	
8	IS/RT	13C-PCB-4	100.00	4.77e+07	1.59 y	18:09	-	0.653	
9	Unk	PCB-9	50.00	3.91e+07	1.49 y	19:52	-	1.28	
10	Unk	PCB-7	50.00	4.05e+07	1.49 y	19:53	-	1.33	
11	Unk	PCB-6	50.00	4.32e+07	1.51 y	20:29	-	1.42	
12	Unk	PCB-8	50.00	3.87e+07	1.56 y	20:52	-	1.27	
13	Unk	PCB-5	50.00	3.75e+07	1.48 y	20:53	-	1.23	
14	Unk	PCB-14	50.00	3.90e+07	1.50 y	21:54	-	1.28	
15	Unk	PCB-11	50.00	3.76e+07	1.52 y	23:01	-	1.23	
16	Unk	PCB-13	50.00	3.74e+07	1.50 y	23:22	-	1.22	
17	Unk	PCB-12	50.00	3.80e+07	1.48 y	23:25	-	1.25	
18	Unk	PCB-15	50.00	4.18e+07	1.52 y	23:41	-	1.12	
19	IS/RT	13C-PCB-15	100.00	7.43e+07	1.60 y	23:40	-	1.02	
20	Unk	PCB-19	50.00	1.94e+07	1.07 y	22:04	-	1.27	
21	Unk	PCB-30	50.00	2.91e+07	1.08 y	22:54	-	1.90	
22	Unk	PCB-18	50.00	1.96e+07	1.09 y	23:36	-	1.28	
23	Unk	PCB-17	50.00	2.17e+07	1.09 y	23:46	-	1.42	
24	Unk	PCB-27	50.00	2.90e+07	1.13 y	24:19	-	1.89	
25	Unk	PCB-24	50.00	2.80e+07	1.06 y	24:20	-	1.83	
26	Unk	PCB-16	50.00	2.47e+07	1.05 y	24:47	-	1.61	
27	Unk	PCB-32	50.00	2.55e+07	1.10 y	24:48	-	1.67	
28	IS/RT	13C-PCB-19	100.00	3.06e+07	1.10 y	22:02	-	0.419	
29	RS	13C-PCB-9	100.00	7.31e+07	1.57 y	19:49	7.31e+05	-	
30	Unk	PCB-34	50.00	3.49e+07	1.02 y	25:33	-	1.07	
31	Unk	PCB-23	50.00	3.67e+07	1.03 y	25:38	-	1.13	
32	Unk	PCB-29	50.00	3.56e+07	1.02 y	25:52	-	1.09	
33	Unk	PCB-26	50.00	3.48e+07	1.05 y	26:04	-	1.07	
34	Unk	PCB-25	50.00	3.45e+07	1.05 y	26:13	-	1.06	
35	Unk	PCB-31	50.00	3.53e+07	1.04 y	26:33	-	1.08	
36	Unk	PCB-28	50.00	4.30e+07	1.06 y	26:39	-	1.32	
37	Unk	PCB-20	150.00	1.06e+08	1.03 y	27:14	-	1.08	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	1.06e+08	1.03 y	27:14	-	1.08	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	1.06e+08	1.03 y	27:14	-	1.08	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.92e+07	1.02 y	27:39	-	1.20	
41	Unk	PCB-36	50.00	3.69e+07	1.05 y	28:13	-	1.13	
42	Unk	PCB-39	50.00	3.69e+07	1.04 y	28:41	-	1.13	
43	Unk	PCB-38	50.00	3.53e+07	1.03 y	29:24	-	1.08	
44	Unk	PCB-35	50.00	3.57e+07	1.04 y	29:54	-	1.10	
45	Unk	PCB-37	50.00	3.70e+07	1.04 y	30:19	-	1.14	
46	IS	13C-PCB-37	100.00	6.52e+07	1.06 y	30:19	-	1.64	

47	Unk	PCB-54	100.00	6.10e+07	0.80 y	25:35	-	1.36	
48	Unk	PCB-50	100.00	4.76e+07	0.78 y	26:41	-	1.06	
49	Unk	PCB-53	100.00	4.64e+07	0.78 y	27:18	-	1.04	
50	Unk	PCB-51	100.00	4.91e+07	0.79 y	27:37	-	1.10	
51	Unk	PCB-45	100.00	4.10e+07	0.79 y	28:02	-	0.916	
52	Unk	PCB-46	100.00	3.96e+07	0.79 y	28:30	-	0.885	
53	Unk	PCB-52	200.00	1.03e+08	0.78 y	28:56	-	1.15	Co-elute PCB 69
54	Unk	PCB-69	200.00	1.03e+08	0.78 y	28:56	-	1.15	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.91e+07	0.79 y	29:03	-	1.32	
56	Unk	PCB-43	200.00	8.90e+07	0.79 y	29:13	-	0.994	Co-elute PCB 49
57	Unk	PCB-49	200.00	8.90e+07	0.79 y	29:13	-	0.994	Co-elute PCB 43
58	Unk	PCB-47	100.00	4.52e+07	0.78 y	29:24	-	1.01	
59	Unk	PCB-48	200.00	1.18e+08	0.80 y	29:30	-	1.31	Co-elute PCB 75
60	Unk	PCB-75	200.00	1.18e+08	0.80 y	29:30	-	1.31	Co-elute PCB 48
61	Unk	PCB-65	100.00	5.95e+07	0.77 y	29:46	-	1.33	
62	Unk	PCB-62	100.00	5.73e+07	0.79 y	29:52	-	1.28	
63	Unk	PCB-44	100.00	3.88e+07	0.78 y	30:10	-	0.867	
64	Unk	PCB-42	200.00	1.02e+08	0.78 y	30:22	-	1.14	Co-elute PCB 59
65	Unk	PCB-59	200.00	1.02e+08	0.78 y	30:22	-	1.14	Co-elute PCB 42
66	Unk	PCB-72	400.00	2.30e+08	0.78 y	30:55	-	1.28	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	2.30e+08	0.78 y	30:55	-	1.28	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	2.30e+08	0.78 y	30:55	-	1.28	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	2.30e+08	0.78 y	30:55	-	1.28	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	6.66e+07	0.78 y	31:10	-	1.49	
71	Unk	PCB-40	100.00	3.64e+07	0.79 y	31:22	-	0.811	
72	Unk	PCB-57	100.00	6.32e+07	0.79 y	31:43	-	1.41	
73	Unk	PCB-67	100.00	6.37e+07	0.78 y	32:00	-	1.42	
74	Unk	PCB-58	100.00	6.21e+07	0.79 y	32:06	-	1.39	
75	Unk	PCB-63	100.00	6.26e+07	0.79 y	32:16	-	1.40	
76	Unk	PCB-74	100.00	6.36e+07	0.78 y	32:33	-	1.42	
77	Unk	PCB-61	200.00	1.15e+08	0.78 y	32:44	-	1.28	Co-elute PCB 70
78	Unk	PCB-70	200.00	1.15e+08	0.78 y	32:44	-	1.28	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.33e+08	0.79 y	32:55	-	1.49	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.33e+08	0.79 y	32:55	-	1.49	Co-elute PCB 76
81	Unk	PCB-80	100.00	7.55e+07	0.80 y	33:08	-	1.69	
82	Unk	PCB-55	100.00	6.68e+07	0.79 y	33:26	-	1.49	
83	IS/RT	13C-PCB-54	100.00	4.48e+07	0.83 y	25:34	-	1.13	
84	Unk	PCB-104	100.00	4.20e+07	1.59 y	30:01	-	1.18	
85	Unk	PCB-96	100.00	4.09e+07	1.59 y	31:13	-	1.15	
86	Unk	PCB-103	100.00	3.39e+07	1.60 y	31:43	-	0.950	
87	Unk	PCB-100	100.00	3.41e+07	1.60 y	32:03	-	0.955	
88	Unk	PCB-94	100.00	2.84e+07	1.60 y	32:30	-	0.795	
89	Unk	PCB-98	200.00	6.14e+07	1.57 y	32:57	-	0.861	Co-elute PCB 102
90	Unk	PCB-102	200.00	6.14e+07	1.57 y	32:57	-	0.861	Co-elute PCB 98
91	Unk	PCB-95	100.00	2.97e+07	1.58 y	33:00	-	0.834	
92	Unk	PCB-93	100.00	2.98e+07	1.64 y	33:05	-	0.834	
93	Unk	PCB-88	200.00	6.22e+07	1.57 y	33:23	-	0.872	Co-elute PCB 91
94	Unk	PCB-91	200.00	6.22e+07	1.57 y	33:23	-	0.872	Co-elute PCB 88
95	Unk	PCB-121	100.00	4.21e+07	1.59 y	33:28	-	1.18	
96	IS	13C-PCB-104	100.00	3.57e+07	1.59 y	29:60	-	0.898	
97	C/Up	13C-PCB-28	100.00	7.56e+07	1.06 y	26:37	-	1.90	
98	RS	13C-PCB-52	100.00	3.97e+07	0.81 y	28:54	3.97e+05	-	
99	Unk	PCB-56	200.00	1.29e+08	0.75 y	33:54	-	1.10	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.29e+08	0.75 y	33:54	-	1.10	Co-elute PCB 56

101	Unk	PCB-79	100.00	7.33e+07	0.77 y	34:55		-	1.25	
102	Unk	PCB-78	100.00	7.09e+07	0.77 y	35:34		-	1.21	
103	Unk	PCB-81	100.00	7.42e+07	0.76 y	36:05		-	1.30	
104	IS	13C-PCB-81	100.00	5.73e+07	0.81 y	36:03		-	1.63	
105	Unk	PCB-77	100.00	6.92e+07	0.77 y	36:39		-	1.16	
106	IS/RT	13C-PCB-77	100.00	5.99e+07	0.83 y	36:37		-	1.71	
107	Unk	PCB-155	100.00	4.24e+07	1.31 y	34:11		-	1.22	
108	Unk	PCB-150	100.00	4.17e+07	1.29 y	35:22		-	1.20	
109	Unk	PCB-152	100.00	4.11e+07	1.30 y	35:49		-	1.19	
110	Unk	PCB-145	100.00	4.08e+07	1.30 y	36:15		-	1.18	
111	Unk	PCB-136	100.00	3.73e+07	1.29 y	36:32		-	1.08	
112	Unk	PCB-148	100.00	3.52e+07	1.30 y	36:39		-	1.02	
113	Unk	PCB-154	100.00	3.64e+07	1.29 y	37:07		-	1.05	
114	IS	13C-PCB-155	100.00	3.46e+07	1.31 y	34:08		-	0.986	
115	C/Up	13C-PCB-111	100.00	4.44e+07	1.63 y	36:13		-	1.27	
116	RS	13C-PCB-101	100.00	3.51e+07	1.68 y	34:35	3.51e+05		-	
117	Unk	PCB-84	200.00	7.54e+07	1.60 y	34:15		-	0.703	Co-elute PCB 92
118	Unk	PCB-92	200.00	7.54e+07	1.60 y	34:15		-	0.703	Co-elute PCB 84
119	Unk	PCB-89	100.00	3.68e+07	1.63 y	34:26		-	0.686	
120	Unk	PCB-90	200.00	8.49e+07	1.59 y	34:36		-	0.792	Co-elute PCB 101
121	Unk	PCB-101	200.00	8.49e+07	1.59 y	34:36		-	0.792	Co-elute PCB 90
122	Unk	PCB-113	100.00	4.95e+07	1.58 y	34:50		-	0.924	
123	Unk	PCB-99	100.00	4.51e+07	1.63 y	34:55		-	0.841	
124	Unk	PCB-119	100.00	5.42e+07	1.61 y	35:22		-	1.01	
125	Unk	PCB-83	200.00	8.60e+07	1.61 y	35:30		-	0.802	Co-elute PCB 112
126	Unk	PCB-112	200.00	8.60e+07	1.61 y	35:30		-	0.802	Co-elute PCB 83
127	Unk	PCB-109	100.00	5.22e+07	1.61 y	35:39		-	0.974	
128	Unk	PCB-97	100.00	3.57e+07	1.60 y	35:51		-	0.665	
129	Unk	PCB-86	100.00	3.66e+07	1.59 y	36:00		-	0.683	
130	Unk	PCB-125	300.00	1.46e+08	1.61 y	36:07		-	0.905	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.46e+08	1.61 y	36:07		-	0.905	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.46e+08	1.61 y	36:07		-	0.905	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	1.05e+08	1.60 y	36:15		-	0.980	Co-elute PCB 115
134	Unk	PCB-115	200.00	1.05e+08	1.60 y	36:15		-	0.980	Co-elute PCB 111
135	Unk	PCB-85	200.00	9.35e+07	1.60 y	36:22		-	0.872	Co-elute PCB 116
136	Unk	PCB-116	200.00	9.35e+07	1.60 y	36:22		-	0.872	Co-elute PCB 85
137	Unk	PCB-120	100.00	5.77e+07	1.61 y	36:36		-	1.08	
138	Unk	PCB-110	100.00	5.32e+07	1.63 y	36:44		-	0.991	
139	Unk	PCB-82	100.00	3.28e+07	1.61 y	37:19		-	0.612	
140	Unk	PCB-124	100.00	5.69e+07	1.69 y	37:60		-	1.06	
141	Unk	PCB-108	200.00	1.19e+08	1.43 y	38:06		-	1.11	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.19e+08	1.43 y	38:06		-	1.11	Co-elute PCB 108
143	Unk	PCB-123	100.00	5.09e+07	1.53 y	38:16		-	0.996	
144	IS	13C-PCB-123	100.00	5.10e+07	1.58 y	38:16		-	1.29	
145	Unk	PCB-118	200.00	1.18e+08	1.51 y	38:28		-	1.07	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.18e+08	1.51 y	38:28		-	1.07	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	5.51e+07	1.58 y	38:26		-	1.39	
148	Unk	PCB-114	100.00	5.86e+07	1.51 y	39:04		-	1.08	
149	IS	13C-PCB-114	100.00	5.41e+07	1.60 y	39:02		-	1.37	
150	Unk	PCB-122	100.00	6.16e+07	1.52 y	39:12		-	1.15	
151	Unk	PCB-105	100.00	6.22e+07	1.51 y	39:53		-	1.15	
152	IS	13C-PCB-105	100.00	5.42e+07	1.58 y	39:52		-	1.37	
153	Unk	PCB-127	100.00	5.63e+07	1.52 y	40:11		-	1.05	
154	Unk	PCB-126	100.00	5.71e+07	1.52 y	42:00		-	1.07	
155	IS	13C-PCB-126	100.00	5.32e+07	1.57 y	41:58		-	1.35	

156	Unk	PCB-151	100.00	3.85e+07	1.29 y	37:43	-	0.852	
157	Unk	PCB-135	100.00	3.63e+07	1.28 y	37:56	-	0.804	
158	Unk	PCB-144	100.00	4.79e+07	1.29 y	38:01	-	1.06	
159	Unk	PCB-147	100.00	4.33e+07	1.29 y	38:10	-	0.958	
160	Unk	PCB-139	200.00	8.94e+07	1.28 y	38:24	-	0.988	Co-elute PCB 149
161	Unk	PCB-149	200.00	8.94e+07	1.28 y	38:24	-	0.988	Co-elute PCB 139
162	Unk	PCB-140	100.00	4.31e+07	1.28 y	38:34	-	0.954	
163	Unk	PCB-143	200.00	7.35e+07	1.27 y	38:59	-	0.813	Co-elute PCB 134
164	Unk	PCB-134	200.00	7.35e+07	1.27 y	38:59	-	0.813	Co-elute PCB 143
165	Unk	PCB-131	200.00	7.55e+07	1.28 y	39:15	-	0.835	Co-elute PCB 133
166	Unk	PCB-133	200.00	7.55e+07	1.28 y	39:15	-	0.835	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.73e+07	1.28 y	39:25	-	0.826	
168	Unk	PCB-165	200.00	9.38e+07	1.31 y	39:37	-	1.04	Co-elute PCB 146
169	Unk	PCB-146	200.00	9.38e+07	1.31 y	39:37	-	1.04	Co-elute PCB 165
170	Unk	PCB-161	200.00	9.04e+07	1.27 y	39:50	-	1.000	Co-elute PCB 132
171	Unk	PCB-132	200.00	9.04e+07	1.27 y	39:50	-	1.000	Co-elute PCB 161
172	Unk	PCB-153	100.00	5.27e+07	1.27 y	40:02	-	1.17	
173	Unk	PCB-168	100.00	5.34e+07	1.28 y	40:13	-	1.18	
174	Unk	PCB-141	100.00	4.19e+07	1.28 y	40:43	-	0.927	
175	Unk	PCB-137	100.00	3.96e+07	1.24 y	41:06	-	0.875	
176	Unk	PCB-130	100.00	3.94e+07	1.31 y	41:11	-	0.871	
177	Unk	PCB-138	300.00	1.54e+08	1.27 y	41:32	-	1.14	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.54e+08	1.27 y	41:32	-	1.14	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.54e+08	1.27 y	41:32	-	1.14	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	1.13e+08	1.28 y	41:45	-	1.25	Co-elute PCB 160
181	Unk	PCB-160	200.00	1.13e+08	1.28 y	41:45	-	1.25	Co-elute PCB 158
182	Unk	PCB-129	100.00	3.65e+07	1.26 y	42:00	-	0.807	
183	Unk	PCB-166	100.00	5.50e+07	1.26 y	42:26	-	1.22	
184	Unk	PCB-159	100.00	5.99e+07	1.26 y	42:43	-	1.33	
185	Unk	PCB-128	200.00	9.60e+07	1.27 y	42:59	-	1.06	Co-elute PCB 162
186	Unk	PCB-162	200.00	9.60e+07	1.27 y	42:59	-	1.06	Co-elute PCB 128
187	Unk	PCB-167	100.00	5.56e+07	1.28 y	43:22	-	1.23	
188	IS	13C-PCB-167	100.00	4.50e+07	1.30 y	43:21	-	1.14	
189	Unk	PCB-156	100.00	5.72e+07	1.31 y	44:36	-	1.29	
190	IS	13C-PCB-156	100.00	4.44e+07	1.30 y	44:35	-	1.12	
191	Unk	PCB-157	100.00	5.63e+07	1.30 y	44:51	-	1.24	
192	IS	13C-PCB-157	100.00	4.52e+07	1.29 y	44:50	-	1.14	
193	Unk	PCB-169	100.00	5.56e+07	1.27 y	46:43	-	1.20	
194	IS	13C-PCB-169	100.00	4.62e+07	1.30 y	46:41	-	1.17	
195	Unk	PCB-188	100.00	4.13e+07	1.08 y	39:40	-	1.21	
196	IS	13C-PCB-188	100.00	3.42e+07	1.09 y	39:38	-	0.864	

197	Unk	PCB-184	100.00	4.52e+07	1.06 y	40:05	-	1.31	
198	Unk	PCB-179	100.00	4.40e+07	1.05 y	40:49	-	1.28	
199	Unk	PCB-176	100.00	4.35e+07	1.07 y	41:16	-	1.26	
200	Unk	PCB-186	100.00	4.21e+07	1.06 y	41:50	-	1.22	
201	Unk	PCB-178	100.00	3.09e+07	1.07 y	42:18	-	0.898	
202	Unk	PCB-175	100.00	3.21e+07	1.06 y	42:38	-	0.931	
203	Unk	PCB-187	200.00	7.04e+07	1.07 y	42:48	-	1.02	Co-elute PCB 182
204	Unk	PCB-182	200.00	7.04e+07	1.07 y	42:48	-	1.02	Co-elute PCB 187
205	Unk	PCB-183	100.00	3.42e+07	1.07 y	43:06	-	0.993	
206	Unk	PCB-185	100.00	3.25e+07	1.07 y	43:44	-	0.943	
207	Unk	PCB-174	100.00	3.22e+07	1.07 y	44:03	-	0.935	
208	Unk	PCB-181	100.00	3.13e+07	1.05 y	44:10	-	0.909	
209	Unk	PCB-177	100.00	2.90e+07	1.08 y	44:18	-	0.840	
210	Unk	PCB-171	100.00	3.16e+07	1.07 y	44:36	-	0.917	
211	Unk	PCB-173	100.00	2.85e+07	1.09 y	44:59	-	0.826	
212	Unk	PCB-172	100.00	2.99e+07	1.08 y	45:24	-	0.869	
213	Unk	PCB-192	100.00	3.92e+07	1.06 y	45:34	-	1.14	
214	Unk	PCB-180	100.00	3.08e+07	1.07 y	45:44	-	0.893	
215	Unk	PCB-193	100.00	4.25e+07	1.07 y	45:55	-	1.23	
216	Unk	PCB-191	100.00	4.37e+07	1.08 y	46:07	-	1.27	
217	Unk	PCB-170	100.00	3.08e+07	1.04 y	47:03	-	0.894	
218	Unk	PCB-190	100.00	4.08e+07	1.06 y	47:11	-	1.18	
219	Unk	PCB-189	100.00	4.21e+07	1.07 y	48:24	-	1.21	
220	IS	13C-PCB-189	100.00	3.47e+07	1.09 y	48:22	-	0.879	
221	Unk	PCB-202	150.00	4.65e+07	0.93 y	44:46	-	1.16	
222	Unk	PCB-201	150.00	4.97e+07	0.92 y	45:14	-	1.24	
223	Unk	PCB-204	150.00	5.05e+07	0.91 y	45:22	-	1.26	
224	Unk	PCB-197	150.00	5.18e+07	0.91 y	45:37	-	1.29	
225	Unk	PCB-200	150.00	5.09e+07	0.93 y	46:23	-	1.27	
226	Unk	PCB-198	150.00	3.63e+07	0.91 y	47:33	-	0.906	
227	Unk	PCB-199	150.00	3.82e+07	0.92 y	47:39	-	0.954	
228	Unk	PCB-203	300.00	8.13e+07	0.91 y	47:54	-	1.01	Co-elute PCB 196
229	Unk	PCB-196	300.00	8.13e+07	0.91 y	47:54	-	1.01	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	2.67e+07	0.91 y	44:45	-	0.676	
231	C/Up	13C-PCB-178	100.00	2.78e+07	1.09 y	42:16	-	0.704	
232	RS	13C-PCB-138	100.00	3.95e+07	1.29 y	41:29	3.95e+05	-	
233	Unk	PCB-195	150.00	6.52e+07	0.88 y	48:59	-	0.853	
234	Unk	PCB-194	150.00	7.18e+07	0.90 y	49:48	-	0.939	
235	Unk	PCB-205	150.00	8.58e+07	0.90 y	50:03	-	1.12	
236	IS	13C-PCB-205	100.00	5.10e+07	0.90 y	50:02	-	1.22	
237	Unk	PCB-208	150.00	6.79e+07	1.37 y	49:07	-	1.11	
238	IS	13C-PCB-208	100.00	4.09e+07	0.82 y	49:06	-	0.983	
239	Unk	PCB-207	150.00	6.84e+07	1.37 y	49:25	-	1.26	
240	Unk	PCB-206	150.00	5.44e+07	1.37 y	51:14	-	1.16	
241	IS	13C-PCB-206	100.00	3.13e+07	0.82 y	51:14	-	0.751	
242	Unk	PCB-209	150.00	6.09e+07	1.20 y	52:26	-	1.22	
243	IS	13C-PCB-209	100.00	3.32e+07	1.20 y	52:25	-	0.798	
244	RS	13C-PCB-194	100.00	4.17e+07	0.91 y	49:47	4.17e+05	-	

Analyst: _____ Date: 10/30/12

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:1 Analysis Date: 20-OCT-20 08:37:49

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.21	2.66-3.60	y	54.6	37.5 - 62.5
PCB-3	M/M+2	3.18	2.66-3.60	y	53.5	37.5 - 62.5
PCB-4	M/M+2	1.41	1.33-1.79	y	46.3	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	51.5	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	52.5	37.5 - 62.5
PCB-37	M/M+2	1.04	0.88-1.20	y	49.6	37.5 - 62.5
PCB-54	M/M+2	0.80	0.65-0.89	y	115	75.0 - 125
PCB-77	M/M+2	0.77	0.65-0.89	y	105	75.0 - 125
PCB-81	M/M+2	0.76	0.65-0.89	y	114	75.0 - 125
PCB-104	M+2/M+4	1.59	1.32-1.78	y	105	75.0 - 125
PCB-105	M+2/M+4	1.51	1.32-1.78	y	104	75.0 - 125
PCB-114	M+2/M+4	1.51	1.32-1.78	y	95.9	75.0 - 125
PCB-118	M+2/M+4	1.51	1.32-1.78	y	190	150 - 250
PCB-123	M+2/M+4	1.53	1.32-1.78	y	89.8	75.0 - 125
PCB-126	M+2/M+4	1.52	1.32-1.78	y	99.0	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	108	75.0 - 125
PCB-156	M+2/M+4	1.31	1.05-1.43	y	114	75.0 - 125
PCB-157	M+2/M+4	1.30	1.05-1.43	y	115	75.0 - 125
PCB-167	M+2/M+4	1.28	1.05-1.43	y	111	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-188	M+2/M+4	1.08	0.89-1.21	y	110	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	113	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	169	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	155	112.5 - 187.5
PCB-206	M+4/M+6	1.37	1.13-1.53	y	167	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	165	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	163	112.5 - 187.5

Analyst: _____ Date: 10/20/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:1 Analysis Date: 20-OCT-20 08:37:49

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.25	2.66-3.60	y	96.5	50.0 - 145
13C-PCB-3	M/M+2	3.25	2.66-3.60	y	88.7	50.0 - 145
13C-PCB-4	M/M+2	1.59	1.33-1.79	y	99.0	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	93.6	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	82.9	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	100	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	89.3	50.0 - 145
13C-PCB-77	M/M+2	0.83	0.65-0.89	y	106	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	104	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	88.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	107	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	106	50.0 - 145
13C-PCB-118	M+2/M+4	1.58	1.32-1.78	y	103	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	101	50.0 - 145
13C-PCB-126	M+2/M+4	1.57	1.32-1.78	y	109	50.0 - 145
13C-PCB-155	M+2/M+4	1.31	1.05-1.43	y	89.3	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	94.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	94.2	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	92.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	99.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	76.7	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	91.0	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	70.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	92.9	50.0 - 145
13C-PCB-206	M+2/M+4	0.82	0.65-0.89	y	80.1	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	71.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	72.3	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	110	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	99.6	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	90.6	75.0 - 125

Analyst: [signature] Date: 10/20/20

FAL ID: ST102020Z1 Filename: 20OCT20Z Sam:1 Acquired: 20-OCT-20 08:37:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 20OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.19e+07	3.21 y	14:30	1.21	54.6		2.50	-	-	*	-
13C-PCB-1	6.34e+07	3.25 y	14:29	0.90	96.5		2.50				96.5
PCB-3	3.97e+07	3.18 y	16:56	1.23	53.5		2.50	-	-	*	-
13C-PCB-3	6.03e+07	3.25 y	16:55	0.93	88.7		2.50				88.7
PCB-4	2.52e+07	1.41 y	18:11	1.14	46.3		2.50	-	-	*	-
13C-PCB-4	4.77e+07	1.59 y	18:09	0.66	99.0		2.50				99.0
PCB-15	4.18e+07	1.52 y	23:41	1.09	51.5		2.50	-	-	*	-
13C-PCB-15	7.43e+07	1.60 y	23:40	1.09	93.6		2.50				93.6
PCB-19	1.94e+07	1.07 y	22:04	1.21	52.5		2.50	-	-	*	-
13C-PCB-19	3.06e+07	1.10 y	22:02	0.50	82.9		2.50				82.9
13C-PCB-9	7.31e+07	1.57 y	19:49	-	71.6		2.50				
PCB-37	3.70e+07	1.04 y	30:19	1.14	49.6		2.50	-	-	*	-
13C-PCB-37	6.52e+07	1.06 y	30:19	1.64	100		2.50				100
PCB-54	6.10e+07	0.80 y	25:35	1.18	115		2.50	-	-	*	-
13C-PCB-54	4.48e+07	0.83 y	25:34	1.26	89.3		2.50				89.3
PCB-104	4.20e+07	1.59 y	30:01	1.12	105		2.50	-	-	*	-
13C-PCB-104	3.57e+07	1.59 y	29:60	1.02	88.0		2.50				88.0
13C-PCB-28	7.56e+07	1.06 y	26:37	1.73	110		2.50				110
13C-PCB-52	3.97e+07	0.81 y	28:54	-	74.8		2.50				
PCB-81	7.42e+07	0.76 y	36:05	1.13	114		2.50	-	-	*	-
13C-PCB-81	5.73e+07	0.81 y	36:03	1.57	104		2.50				104
PCB-77	6.92e+07	0.77 y	36:39	1.10	105		2.50	-	-	*	-
13C-PCB-77	5.99e+07	0.83 y	36:37	1.61	106		2.50				106
PCB-155	4.24e+07	1.31 y	34:11	1.13	108		2.50	-	-	*	-
13C-PCB-155	3.46e+07	1.31 y	34:08	1.10	89.3		2.50				89.3
13C-PCB-111	4.44e+07	1.63 y	36:13	1.27	99.6		2.50				99.6
13C-PCB-101	3.51e+07	1.68 y	34:35	-	73.7		2.50				
PCB-123	5.09e+07	1.53 y	38:16	1.11	89.8		2.50	-	-	*	-
13C-PCB-123	5.10e+07	1.58 y	38:16	1.28	101		2.50				101
PCB-118	1.18e+08	1.51 y	38:28	1.12	190		2.50	-	-	*	-
13C-PCB-118	5.51e+07	1.58 y	38:26	1.35	103		2.50				103
PCB-114	5.86e+07	1.51 y	39:04	1.13	95.9		2.50	-	-	*	-
13C-PCB-114	5.41e+07	1.60 y	39:02	1.29	106		2.50				106
PCB-105	6.22e+07	1.51 y	39:53	1.10	104		2.50	-	-	*	-
13C-PCB-105	5.42e+07	1.58 y	39:52	1.28	107		2.50				107
PCB-126	5.71e+07	1.52 y	42:00	1.08	99.0		2.50	-	-	*	-
13C-PCB-126	5.32e+07	1.57 y	41:58	1.23	109		2.50				109
PCB-167	5.56e+07	1.28 y	43:22	1.11	111		2.50	-	-	*	-
13C-PCB-167	4.50e+07	1.30 y	43:21	1.23	92.7		2.50				92.7
PCB-156	5.72e+07	1.31 y	44:36	1.13	114		2.50	-	-	*	-
13C-PCB-156	4.44e+07	1.30 y	44:35	1.19	94.6		2.50				94.6
PCB-157	5.63e+07	1.30 y	44:51	1.08	115		2.50	-	-	*	-
13C-PCB-157	4.52e+07	1.29 y	44:50	1.21	94.2		2.50				94.2
PCB-169	5.56e+07	1.27 y	46:43	1.08	112		2.50	-	-	*	-
13C-PCB-169	4.62e+07	1.30 y	46:41	1.17	99.8		2.50				99.8
PCB-188	4.13e+07	1.08 y	39:40	1.10	110		2.50	-	-	*	-
13C-PCB-188	3.42e+07	1.09 y	39:38	1.13	76.7		2.50				76.7
PCB-189	4.21e+07	1.07 y	48:24	1.07	113		2.50	-	-	*	-
13C-PCB-189	3.47e+07	1.09 y	48:22	0.97	91.0		2.50				91.0
PCB-202	4.65e+07	0.93 y	44:46	1.03	169		2.50	-	-	*	-
13C-PCB-202	2.67e+07	0.91 y	44:45	0.96	70.7		2.50				70.7
13C-PCB-178	2.78e+07	1.09 y	42:16	0.78	90.6		2.50				90.6
13C-PCB-138	3.95e+07	1.29 y	41:29	-	82.2		2.50				

Client ID: CS209 200406A ConCal: ST10202OZ1 EndCal: ST10202OZ2
Results: 20OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	8.58e+07	0.90	y	50:03	1.09	155	2.50	-	-	*	-
13C-PCB-205	5.10e+07	0.90	y	50:02	1.32	92.9	2.50				92.9
PCB-208	6.79e+07	1.37	y	49:07	1.01	165	2.50	-	-	*	-
13C-PCB-208	4.09e+07	0.82	y	49:06	1.38	71.5	2.50				71.5
PCB-206	5.44e+07	1.37	y	51:14	1.04	167	2.50	-	-	*	-
13C-PCB-206	3.13e+07	0.82	y	51:14	0.94	80.1	2.50				80.1
PCB-209	6.09e+07	1.20	y	52:26	1.13	163	2.50	-	-	*	-
13C-PCB-209	3.32e+07	1.20	y	52:25	1.10	72.3	2.50				72.3
13C-PCB-194	4.17e+07	0.91	y	49:47	-	109	2.50				

Analyst: _____ Date: 10/20/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/20/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:15 Analysis Date: 20-OCT-20 22:18:04

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	53.6	37.5 - 62.5
PCB-3	M/M+2	3.11	2.66-3.60	y	52.9	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	51.8	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	55.2	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	54.5	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	53.4	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	99.8	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	99.7	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	99.2	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	108	75.0 - 125
PCB-114	M+2/M+4	1.56	1.32-1.78	y	114	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	215	150 - 250
PCB-123	M+2/M+4	1.57	1.32-1.78	y	113	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	112	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	103	75.0 - 125
PCB-156	M+2/M+4	1.29	1.05-1.43	y	102	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	101	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	102	75.0 - 125
PCB-188	M+2/M+4	1.09	0.89-1.21	y	107	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.95	0.76-1.02	y	164	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	153	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	151	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	151	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	152	112.5 - 187.5

Analyst: _____ Date: 10/21/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/20/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:15 Analysis Date: 20-OCT-20 22:18:04

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.36	2.66-3.60	y	82.9	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	84.4	50.0 - 145
13C-PCB-4	M/M+2	1.63	1.33-1.79	y	99.6	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	93.2	50.0 - 145
13C-PCB-19	M/M+2	1.13	0.88-1.20	y	77.5	50.0 - 145
13C-PCB-37	M/M+2	1.08	0.88-1.20	y	97.0	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	105	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	105	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	107	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	94.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	105	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	106	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	108	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	107	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-155	M+2/M+4	1.35	1.05-1.43	y	91.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	101	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	102	50.0 - 145
13C-PCB-167	M+2/M+4	1.31	1.05-1.43	y	101	50.0 - 145
13C-PCB-169	M+2/M+4	1.32	1.05-1.43	y	96.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	90.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.11	0.89-1.21	y	92.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	77.6	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	98.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.82	0.65-0.89	y	103	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	105	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	97.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.07	0.88-1.20	y	100.0	65.0 - 135
13C-PCB-111	M+2/M+4	1.64	1.32-1.78	y	99.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.15	0.89-1.21	y	84.3	75.0 - 125

Analyst: _____ Date: 10/21/20

FAL ID: ST10202022 Filename: 20OCT20Z Sam:15 Acquired: 20-OCT-20 22:18:04 ICal: DAILY209FAL4-10-20-20 1 of 2
Client ID: CS209 200406A ConCal: ST10202021 EndCal: ST10202022
Results: 13371 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.60e+07	3.23 y	14:31	1.32	53.6		2.50	-	-	*	
13C-PCB-1	5.07e+07	3.36 y	14:30	0.87	82.9		2.50				82.9
PCB-3	3.42e+07	3.11 y	16:56	1.32	52.9		2.50	-	-	*	
13C-PCB-3	4.91e+07	3.39 y	16:55	0.82	84.4		2.50				84.4
PCB-4	2.51e+07	1.50 y	18:11	1.06	51.8		2.50	-	-	*	
13C-PCB-4	4.59e+07	1.63 y	18:09	0.65	99.6		2.50				99.6
PCB-15	4.15e+07	1.55 y	23:41	1.12	55.2		2.50	-	-	*	
13C-PCB-15	6.68e+07	1.62 y	23:39	1.02	93.2		2.50				93.2
PCB-19	1.59e+07	1.10 y	22:03	1.27	54.5		2.50	-	-	*	
13C-PCB-19	2.29e+07	1.13 y	22:02	0.42	77.5		2.50				77.5
13C-PCB-9	7.05e+07	1.64 y	19:49	-	96.5		2.50				
PCB-37	3.25e+07	1.05 y	30:18	1.14	53.4		2.50	-	-	*	
13C-PCB-37	5.37e+07	1.08 y	30:17	1.64	97.0		2.50				97.0
PCB-54	5.41e+07	0.79 y	25:34	1.36	99.8		2.50	-	-	*	
13C-PCB-54	3.98e+07	0.83 y	25:32	1.13	105		2.50				105
PCB-104	3.45e+07	1.56 y	30:00	1.18	103		2.50	-	-	*	
13C-PCB-104	2.86e+07	1.60 y	29:59	0.90	94.5		2.50				94.5
13C-PCB-28	6.42e+07	1.07 y	26:37	1.90	100.0		2.50				100.0
13C-PCB-52	3.37e+07	0.79 y	28:53	-	84.9		2.50				
PCB-81	6.80e+07	0.80 y	36:04	1.30	99.2		2.50	-	-	*	
13C-PCB-81	5.29e+07	0.80 y	36:03	1.63	107		2.50				107
PCB-77	6.27e+07	0.81 y	36:37	1.16	99.7		2.50	-	-	*	
13C-PCB-77	5.45e+07	0.80 y	36:37	1.71	105		2.50				105
PCB-155	3.46e+07	1.31 y	34:09	1.22	103		2.50	-	-	*	
13C-PCB-155	2.74e+07	1.35 y	34:08	0.99	91.9		2.50				91.9
13C-PCB-111	3.81e+07	1.64 y	36:12	1.27	99.3		2.50				99.3
13C-PCB-101	3.02e+07	1.65 y	34:35	-	86.2		2.50				
PCB-123	5.40e+07	1.57 y	38:16	1.00	113		2.50	-	-	*	
13C-PCB-123	4.81e+07	1.59 y	38:14	1.29	107		2.50				107
PCB-118	1.19e+08	1.56 y	38:27	1.07	215		2.50	-	-	*	
13C-PCB-118	5.22e+07	1.60 y	38:26	1.39	108		2.50				108
PCB-114	6.18e+07	1.56 y	39:04	1.08	114		2.50	-	-	*	
13C-PCB-114	5.02e+07	1.62 y	39:02	1.37	106		2.50				106
PCB-105	6.17e+07	1.55 y	39:53	1.15	108		2.50	-	-	*	
13C-PCB-105	4.98e+07	1.59 y	39:51	1.37	105		2.50				105
PCB-126	5.87e+07	1.60 y	41:60	1.07	112		2.50	-	-	*	
13C-PCB-126	4.87e+07	1.60 y	41:58	1.35	104		2.50				104
PCB-167	5.03e+07	1.27 y	43:22	1.23	102		2.50	-	-	*	
13C-PCB-167	4.00e+07	1.31 y	43:20	1.14	101		2.50				101
PCB-156	5.19e+07	1.29 y	44:34	1.29	102		2.50	-	-	*	
13C-PCB-156	3.95e+07	1.32 y	44:34	1.12	101		2.50				101
PCB-157	5.11e+07	1.28 y	44:51	1.24	101		2.50	-	-	*	
13C-PCB-157	4.05e+07	1.30 y	44:49	1.14	102		2.50				102
PCB-169	4.80e+07	1.29 y	46:43	1.20	102		2.50	-	-	*	
13C-PCB-169	3.92e+07	1.32 y	46:41	1.17	96.6		2.50				96.6
PCB-188	3.51e+07	1.09 y	39:38	1.21	107		2.50	-	-	*	
13C-PCB-188	2.70e+07	1.09 y	39:38	0.86	90.0		2.50				90.0
PCB-189	3.45e+07	1.07 y	48:23	1.21	100		2.50	-	-	*	
13C-PCB-189	2.83e+07	1.11 y	48:22	0.88	92.9		2.50				92.9
PCB-202	3.46e+07	0.95 y	44:46	1.16	164		2.50	-	-	*	
13C-PCB-202	1.82e+07	0.93 y	44:44	0.68	77.6		2.50				77.6
13C-PCB-178	2.06e+07	1.15 y	42:16	0.70	84.3		2.50				84.3
13C-PCB-138	3.47e+07	1.32 y	41:28	-	87.8		2.50				

FAL ID: ST10202022 Filename: 20OCT20Z Sam:15 Acquired: 20-OCT-20 22:18:04 ICal: DAILY209FAL4-10-20-202 of 2
Client ID: CS209 200406A ConCal: ST10202021 EndCal: ST10202022
Results: 13371 GC Column: DB1MS Amount: 1.000

PCB-205	7.99e+07	0.91	y	50:03	1.12	153	2.50	-	-	*	
13C-PCB-205	4.67e+07	0.90	y	50:02	1.22	98.2	2.50				98.2
PCB-208	6.71e+07	1.38	y	49:07	1.11	151	2.50	-	-	*	
13C-PCB-208	4.02e+07	0.82	y	49:05	0.98	105	2.50				105
PCB-206	5.26e+07	1.35	y	51:14	1.16	151	2.50	-	-	*	
13C-PCB-206	3.00e+07	0.82	y	51:14	0.75	103	2.50				103
PCB-209	5.64e+07	1.20	y	52:26	1.22	152	2.50	-	-	*	
13C-PCB-209	3.04e+07	1.21	y	52:24	0.80	97.9	2.50				97.9
13C-PCB-194	3.89e+07	0.89	y	49:46	-	93.3	2.50				

Analyst: _____ Date: 10/21/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:20OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

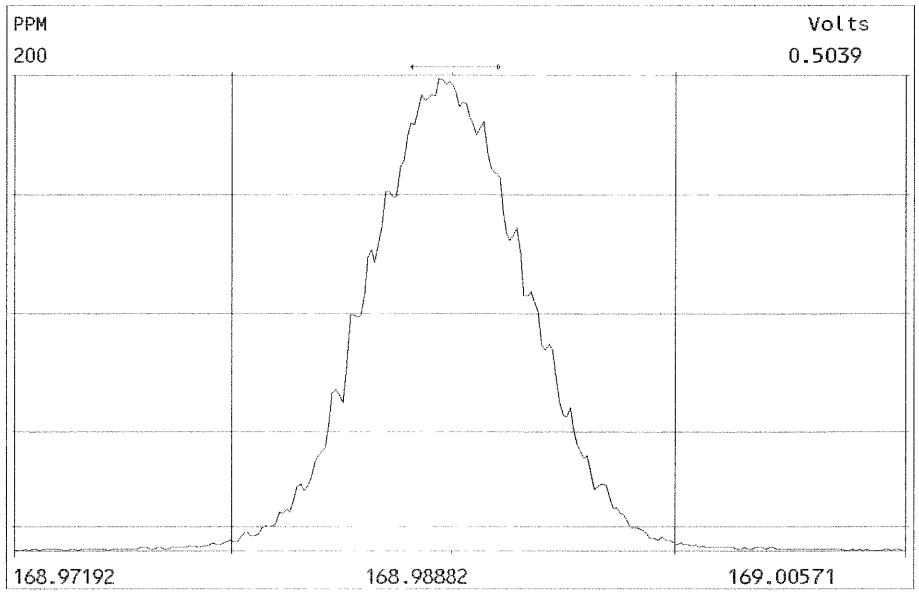
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
20OCT20Z	1	ST102020Z1	CS209 200406A	20-OCT-20 08:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	2	05481-001-0001-OPR	OPR	20-OCT-20 09:37:51	ST102020Z1	ST102020Z2	BS
20OCT20Z	3	05481-001-0001-MB	Method Blank	20-OCT-20 10:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	4	13371-001-0001-SA	LDW-Y3-EXTRA-S010-TB	20-OCT-20 11:36:10	ST102020Z1	ST102020Z2	BS
20OCT20Z	5	13371-002-0001-SA	LDW-Y3-IN-ENR+AC-CA-S010	20-OCT-20 12:34:32	ST102020Z1	ST102020Z2	BS
20OCT20Z	6	13371-003-0001-SA	LDW-Y3-IN-ENR+AC-CB-S010	20-OCT-20 13:32:53	ST102020Z1	ST102020Z2	BS
20OCT20Z	7	13371-004-0001-SA	LDW-Y3-IN-ENR+AC-CC-S010	20-OCT-20 14:31:14	ST102020Z1	ST102020Z2	BS
20OCT20Z	8	13371-008-0001-SA	LDW-Y3-IN-ENR-CB-S010	20-OCT-20 15:29:36	ST102020Z1	ST102020Z2	BS
20OCT20Z	9	13371-009-0001-SA	LDW-Y3-IN-ENR-CC-S010	20-OCT-20 16:27:57	ST102020Z1	ST102020Z2	BS
20OCT20Z	10	13371-010-0001-SA	LDW-Y3-IN-ENR-CD-S010	20-OCT-20 17:26:18	ST102020Z1	ST102020Z2	BS
20OCT20Z	11	13371-013-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010	20-OCT-20 18:24:39	ST102020Z1	ST102020Z2	BS
20OCT20Z	12	13371-014-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010-LONG	20-OCT-20 19:23:00	ST102020Z1	ST102020Z2	BS
20OCT20Z	13	13371-015-0001-SA	LDW-Y3-SC-ENR+AC-CB-S010	20-OCT-20 20:21:21	ST102020Z1	ST102020Z2	BS
20OCT20Z	14	SB102020Z1	Solvent Blank	20-OCT-20 21:19:43	ST102020Z1	ST102020Z2	BS
20OCT20Z	15	ST102020Z2	CS209 200406A	20-OCT-20 22:18:04	ST102020Z1	ST102020Z2	BS

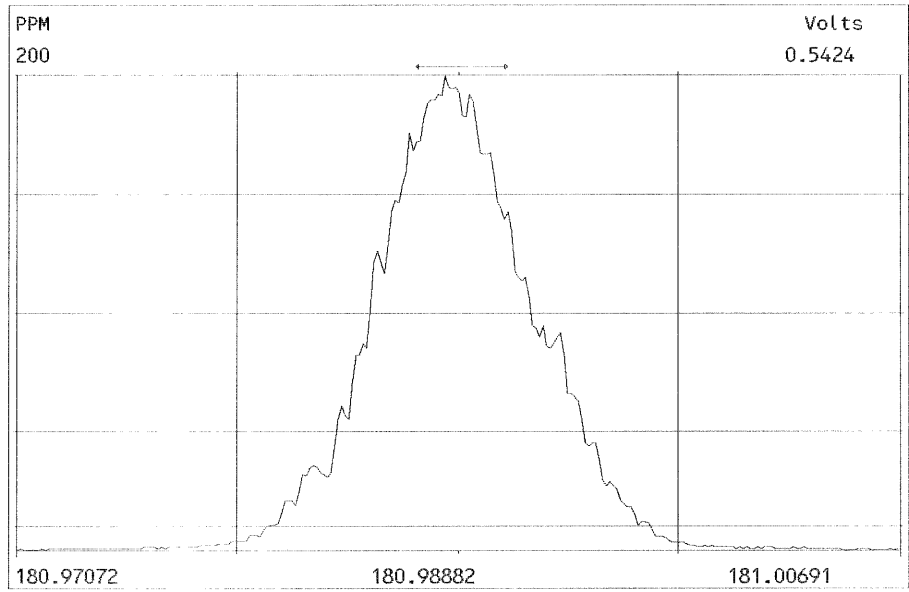
DN
10.21.2020

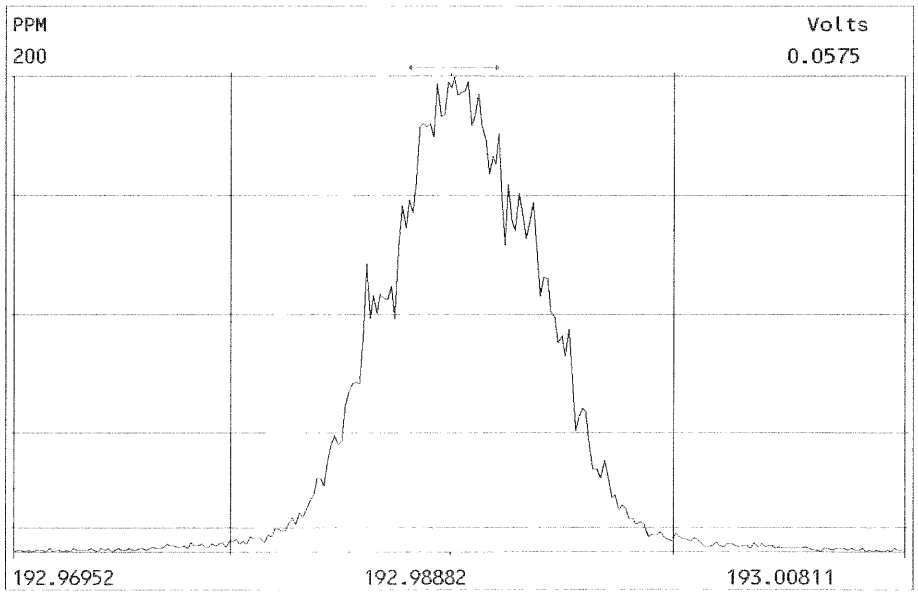
Data Backed Up:_____

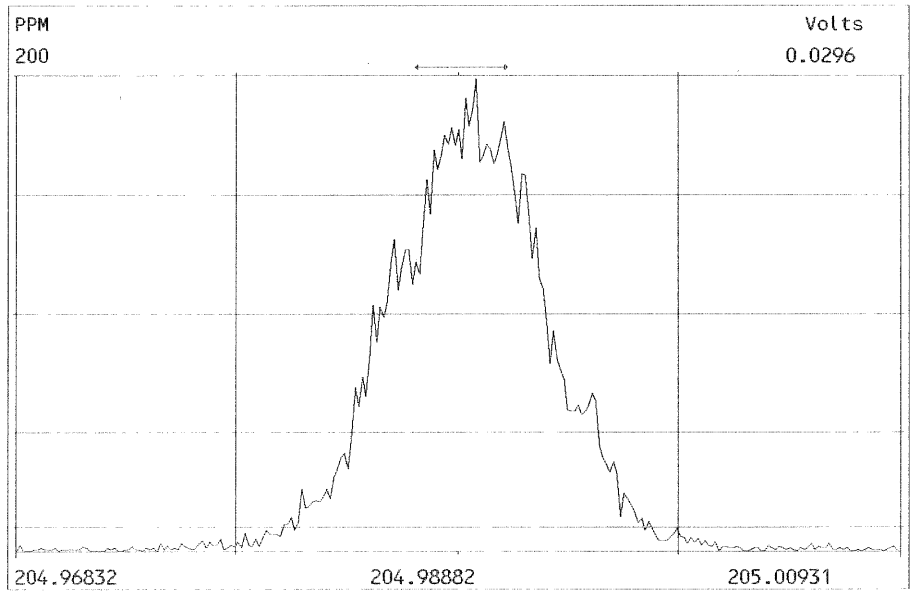
Date:_____

Peak Locate Examination:20-OCT-2020:08:35 File:20OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

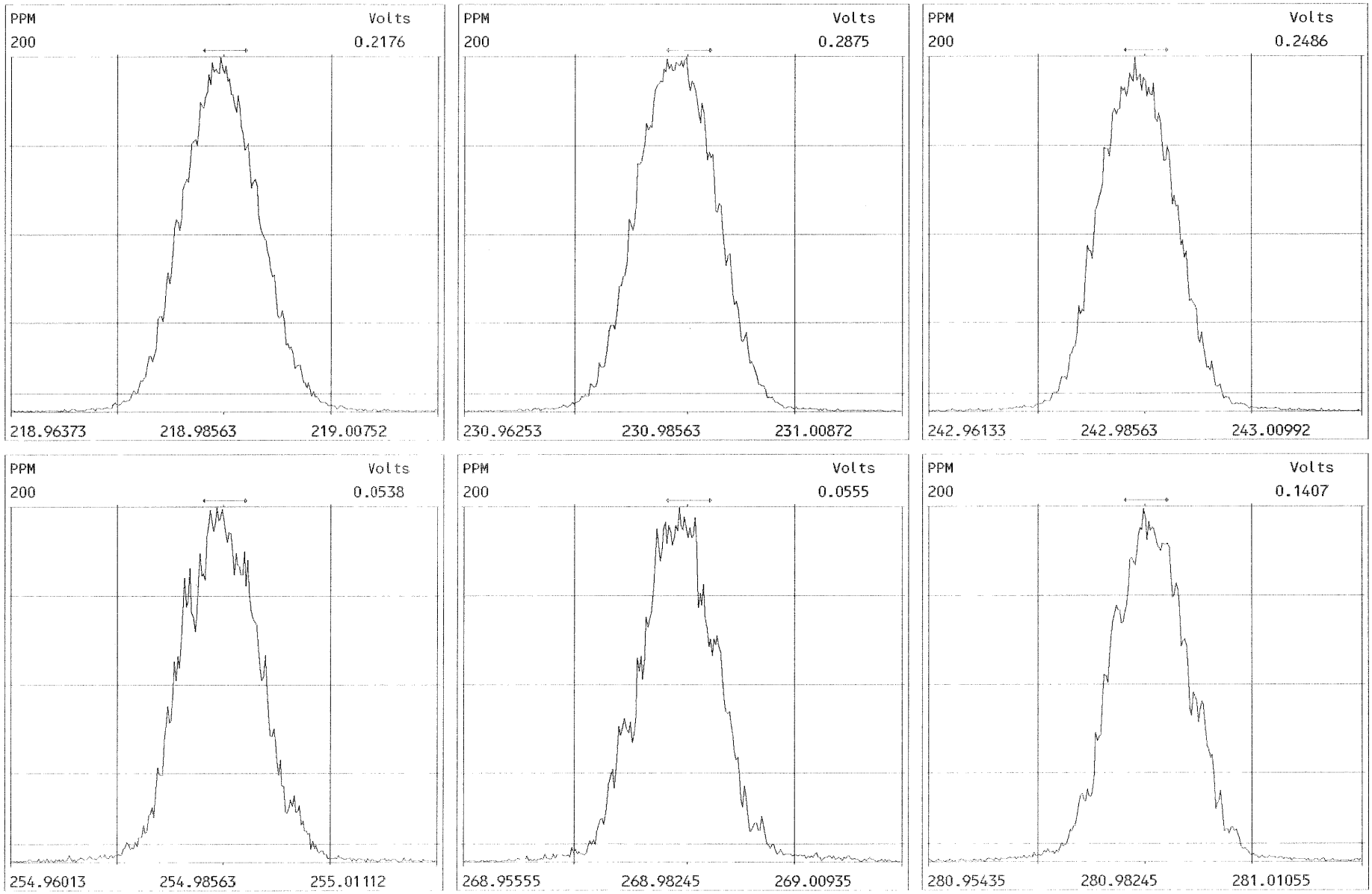




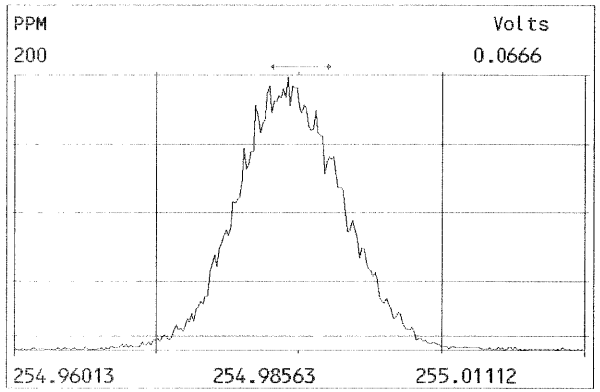


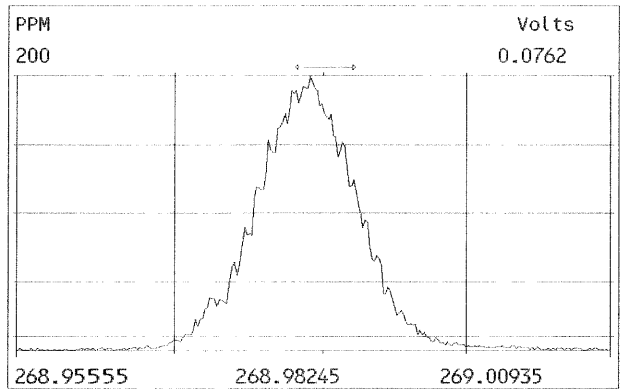


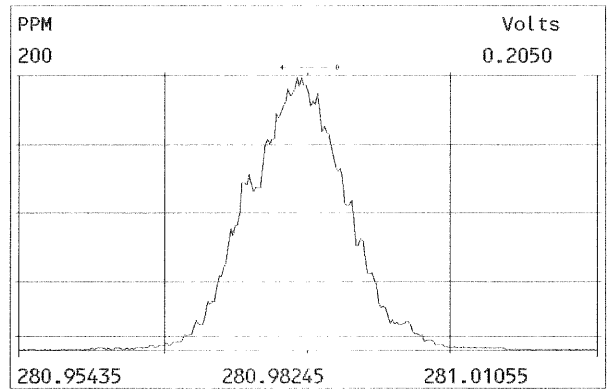
Peak Locate Examination:20-OCT-2020:08:35 File:20OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

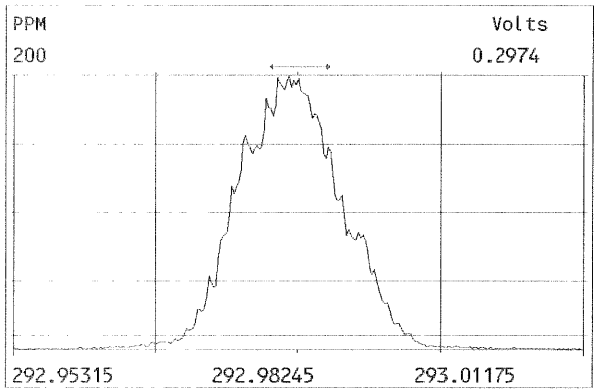


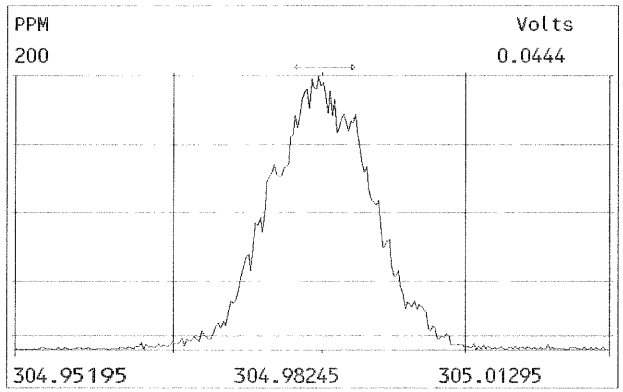
Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

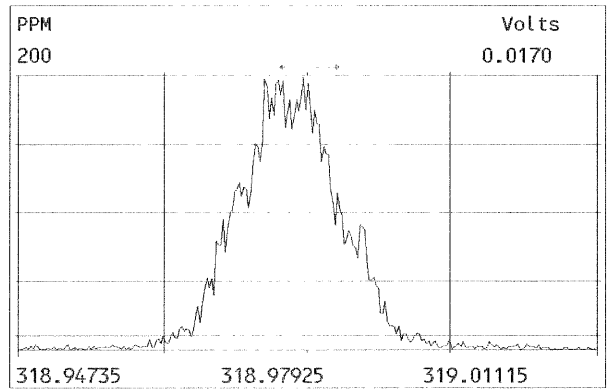


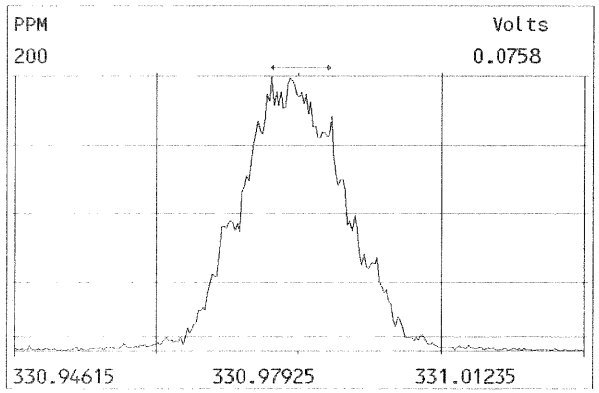


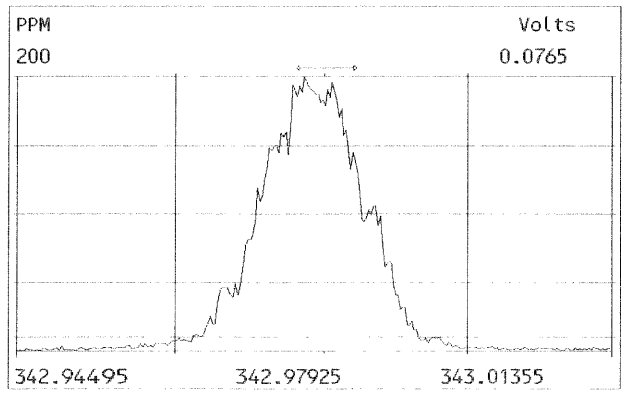




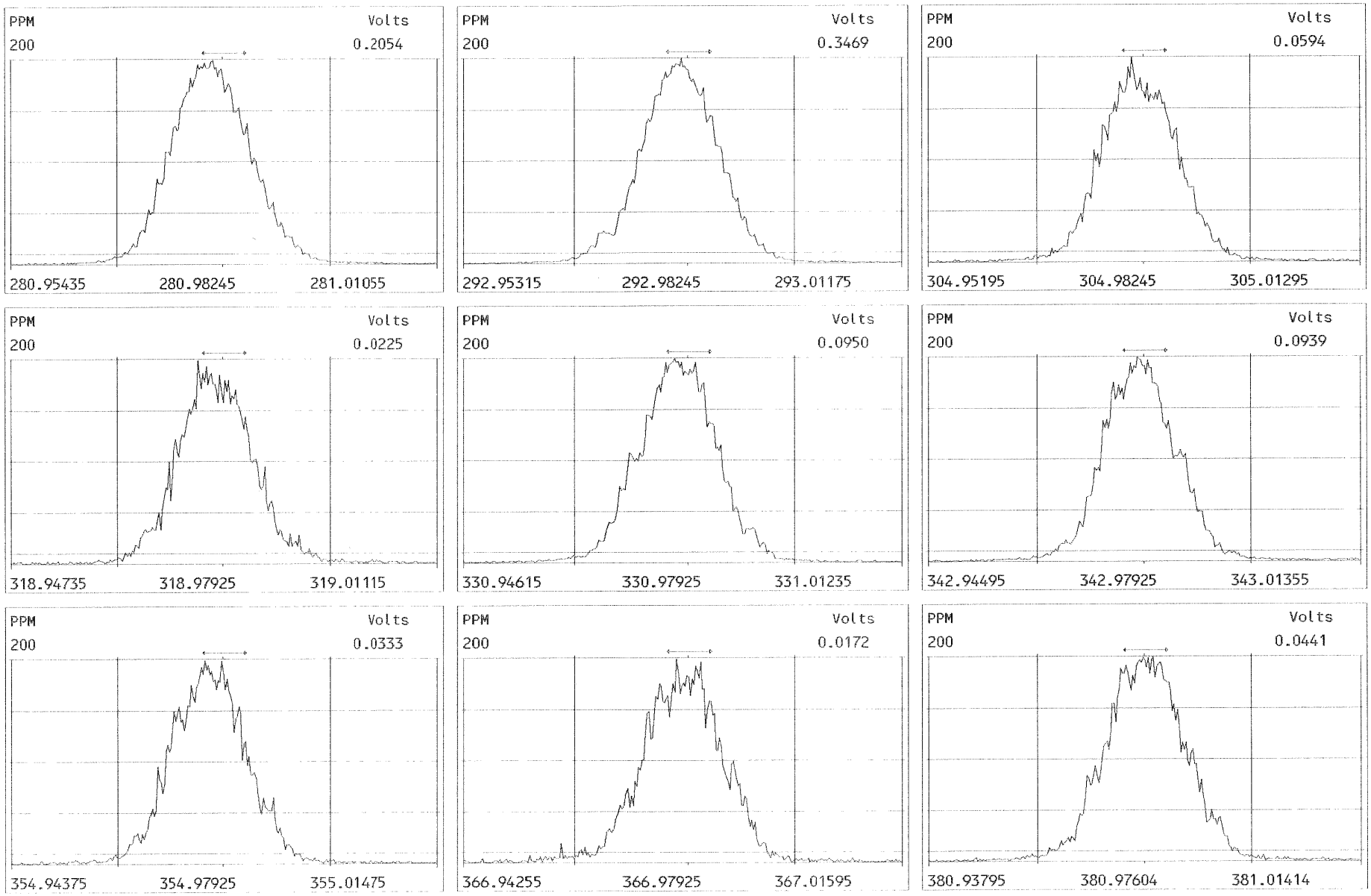




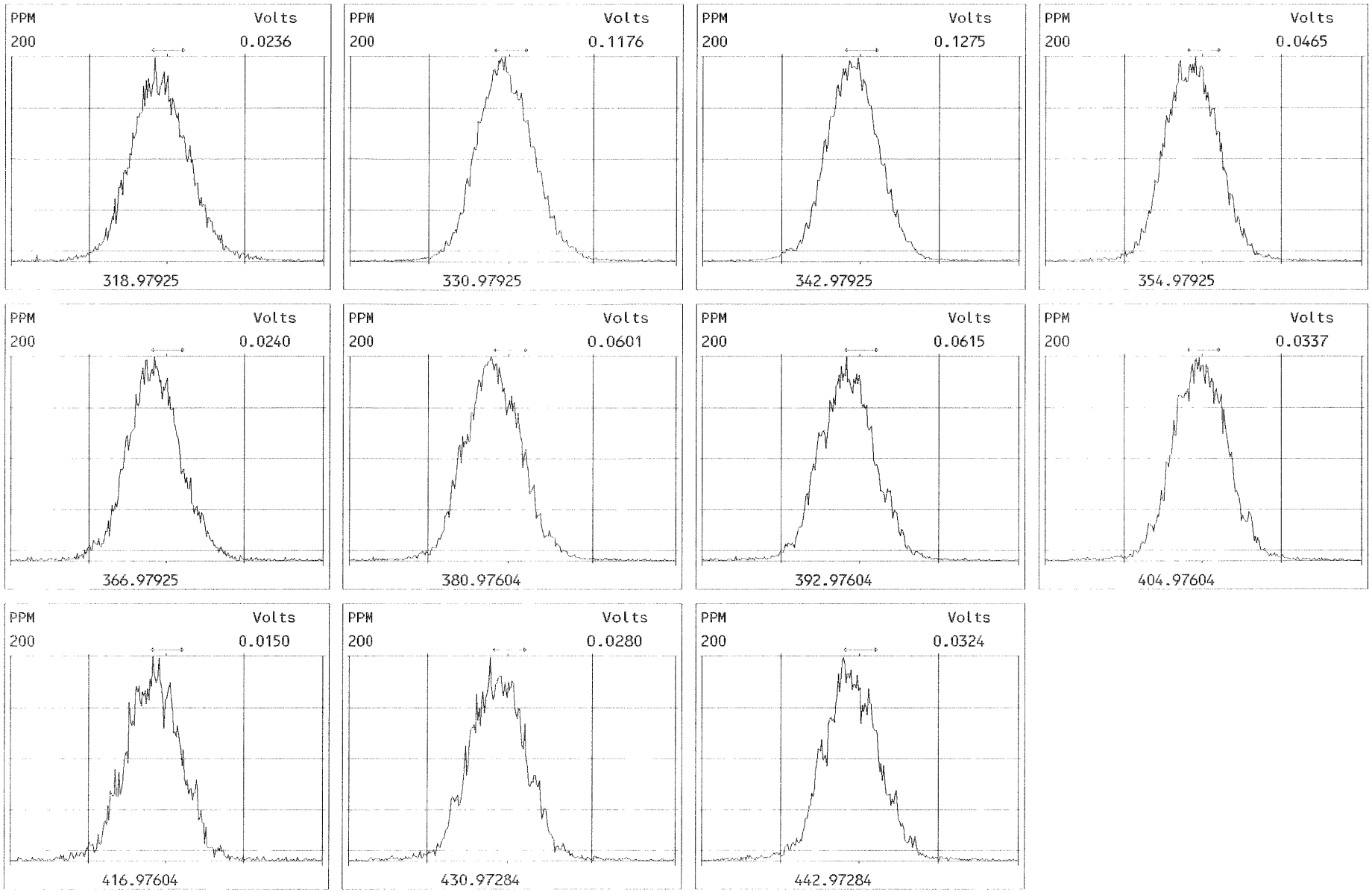




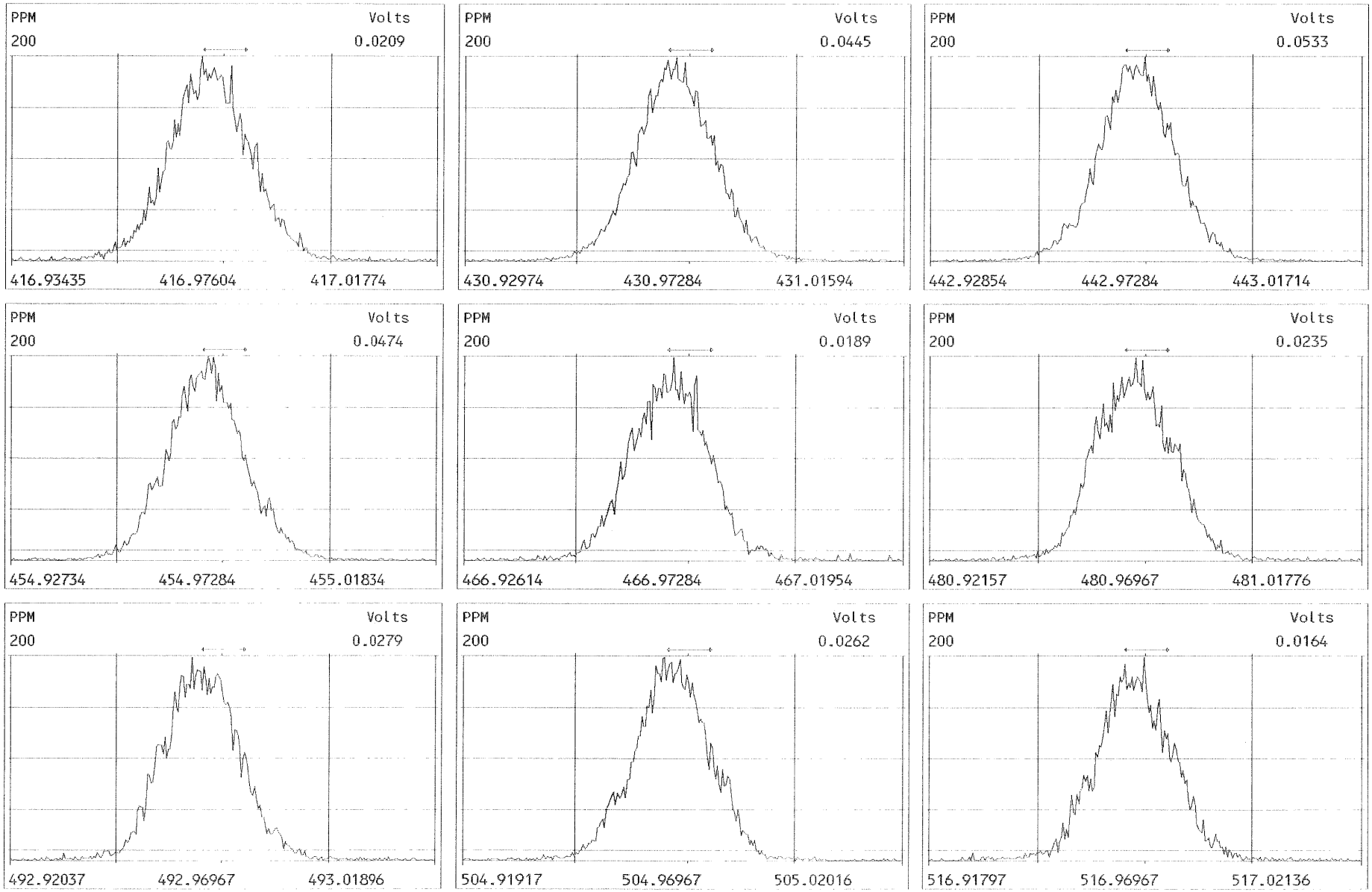
Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:20-OCT-2020:08:37 File:20OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



Frontier Analytical Laboratory - Acquisition Log

Run Name:20OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

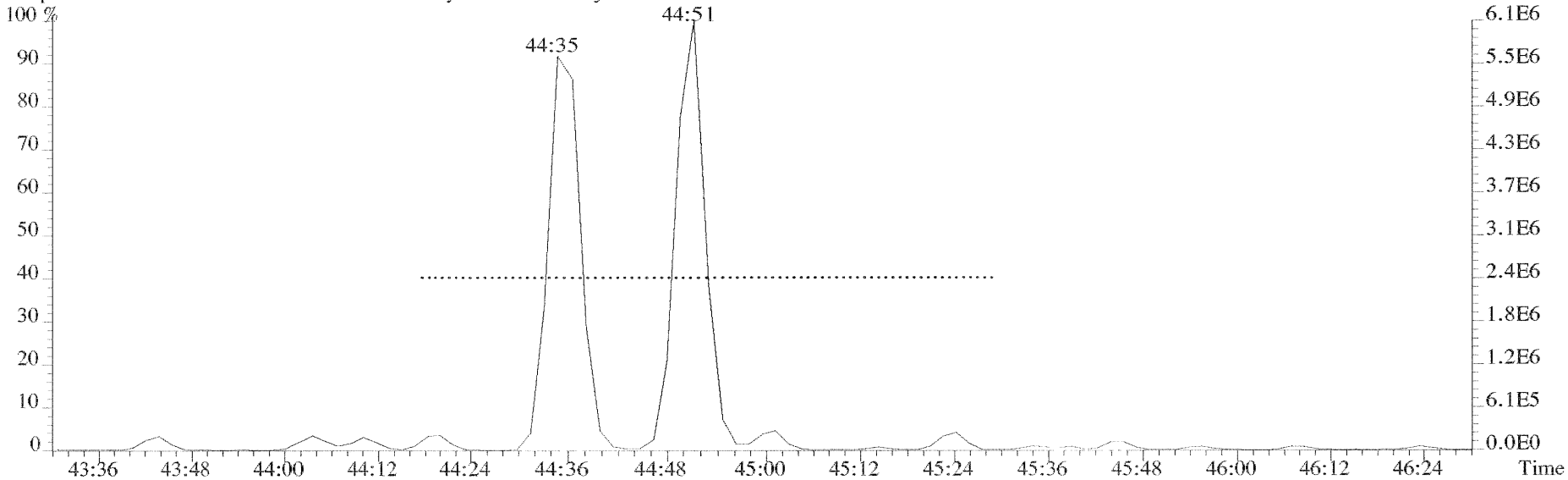
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
20OCT20Z	1	ST102020Z1	CS209 200406A	20-OCT-20 08:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	2	05481-001-0001-OPR	OPR	20-OCT-20 09:37:51	ST102020Z1	ST102020Z2	BS
20OCT20Z	3	05481-001-0001-MB	Method Blank	20-OCT-20 10:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	4	13371-001-0001-SA	LDW-Y3-EXTRA-S010-TB	20-OCT-20 11:36:10	ST102020Z1	ST102020Z2	BS
20OCT20Z	5	13371-002-0001-SA	LDW-Y3-IN-ENR+AC-CA-S010	20-OCT-20 12:34:32	ST102020Z1	ST102020Z2	BS
20OCT20Z	6	13371-003-0001-SA	LDW-Y3-IN-ENR+AC-CB-S010	20-OCT-20 13:32:53	ST102020Z1	ST102020Z2	BS
20OCT20Z	7	13371-004-0001-SA	LDW-Y3-IN-ENR+AC-CC-S010	20-OCT-20 14:31:14	ST102020Z1	ST102020Z2	BS
20OCT20Z	8	13371-008-0001-SA	LDW-Y3-IN-ENR-CB-S010	20-OCT-20 15:29:36	ST102020Z1	ST102020Z2	BS
20OCT20Z	9	13371-009-0001-SA	LDW-Y3-IN-ENR-CC-S010	20-OCT-20 16:27:57	ST102020Z1	ST102020Z2	BS
20OCT20Z	10	13371-010-0001-SA	LDW-Y3-IN-ENR-CD-S010	20-OCT-20 17:26:18	ST102020Z1	ST102020Z2	BS
20OCT20Z	11	13371-013-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010	20-OCT-20 18:24:39	ST102020Z1	ST102020Z2	BS
20OCT20Z	12	13371-014-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010-LONG	20-OCT-20 19:23:00	ST102020Z1	ST102020Z2	BS
20OCT20Z	13	13371-015-0001-SA	LDW-Y3-SC-ENR+AC-CB-S010	20-OCT-20 20:21:21	ST102020Z1	ST102020Z2	BS
20OCT20Z	14	SB102020Z1	Solvent Blank	20-OCT-20 21:19:43	ST102020Z1	ST102020Z2	BS
20OCT20Z	15	ST102020Z2	CS209 200406A	20-OCT-20 22:18:04	ST102020Z1	ST102020Z2	BS

DN
10.21.2020

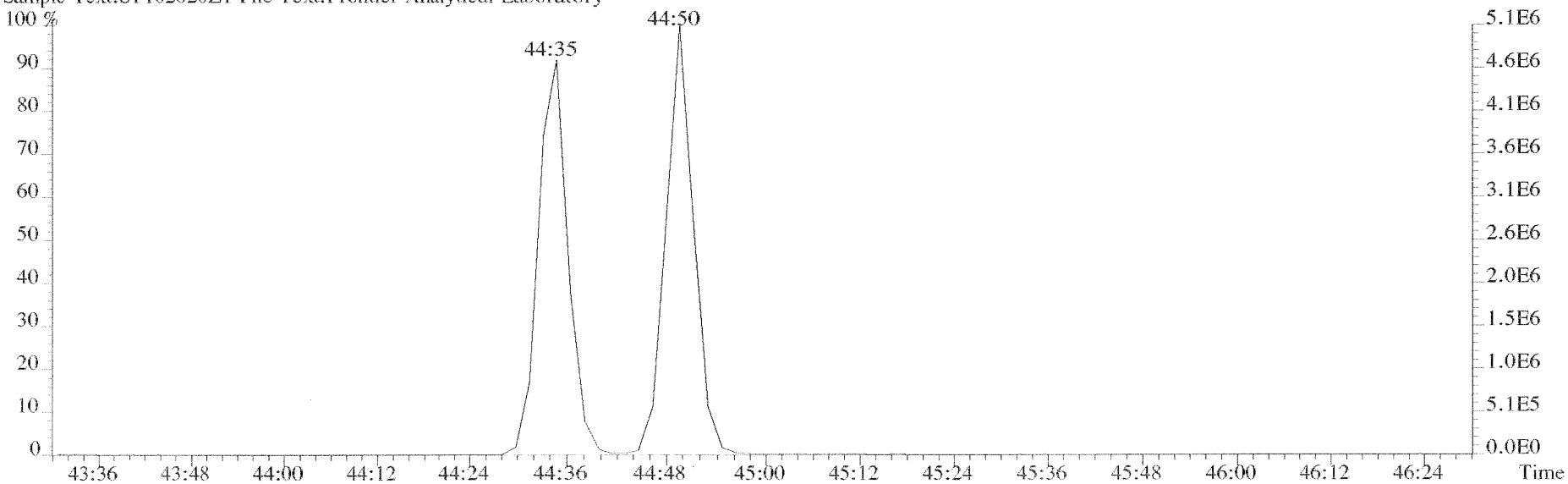
Data Backed Up:_____

Date:_____

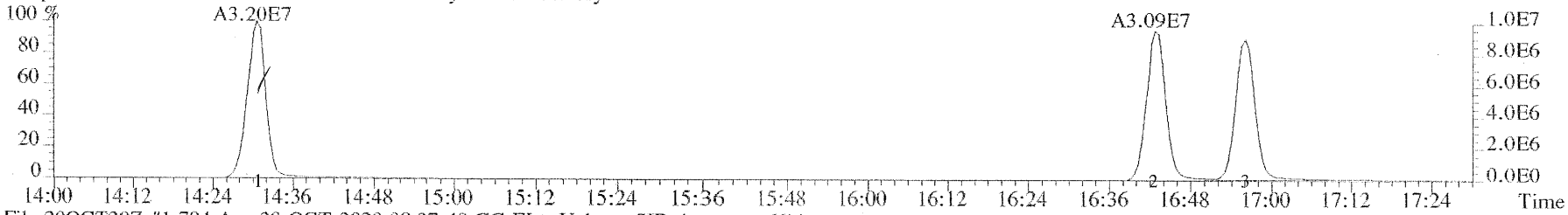
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



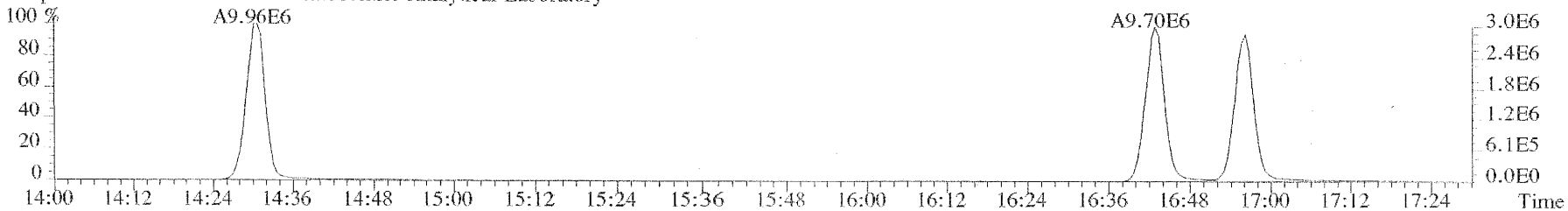
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



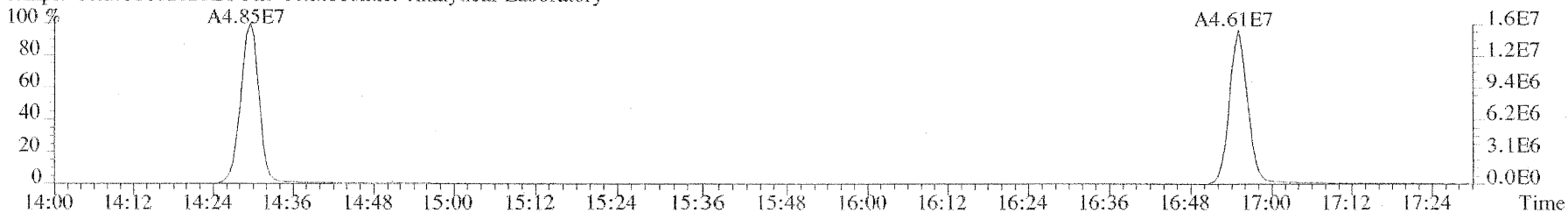
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



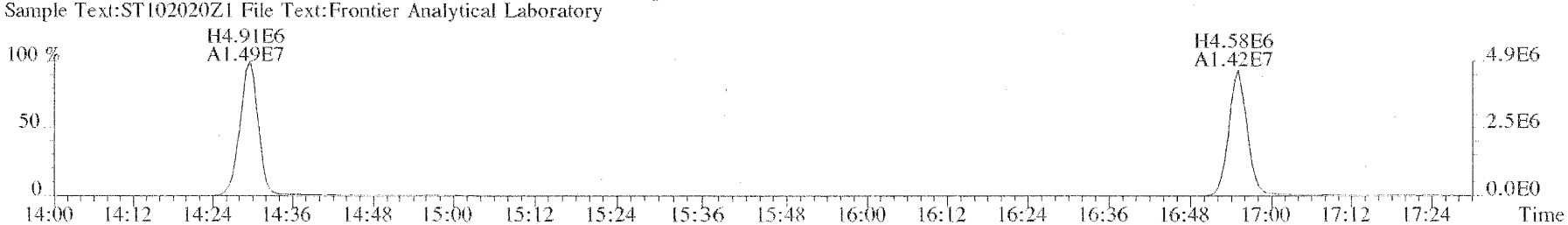
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



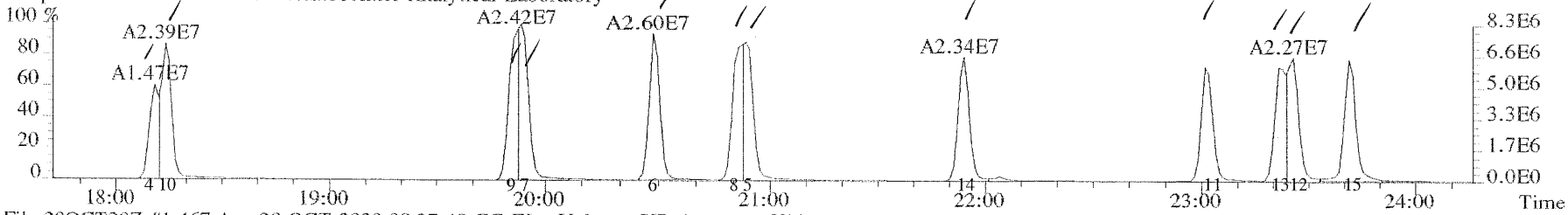
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



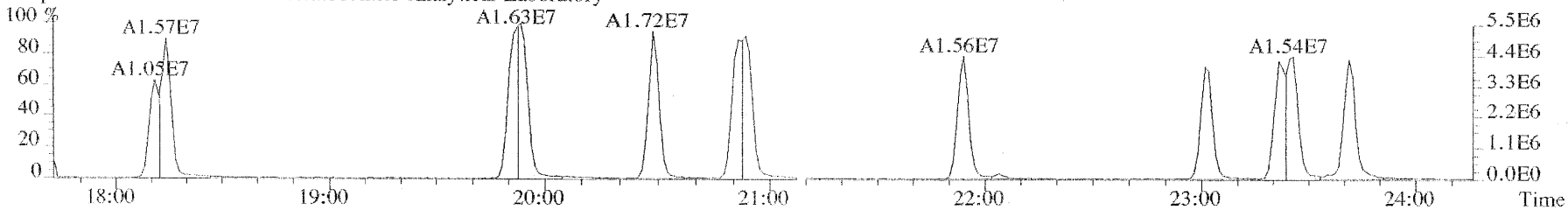
File:20OCT20Z #1-784 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



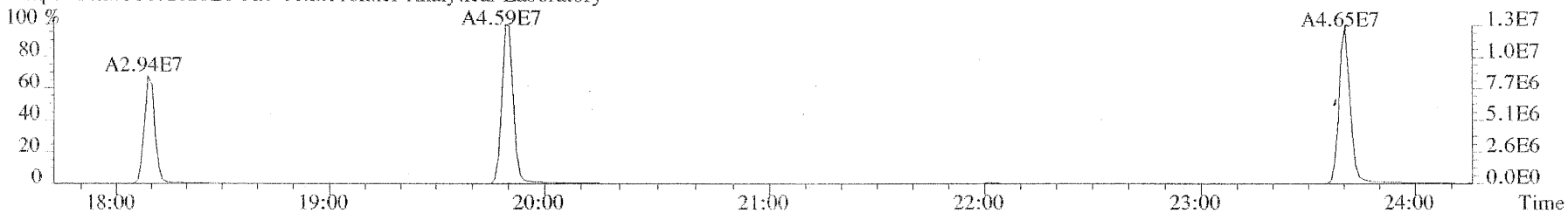
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



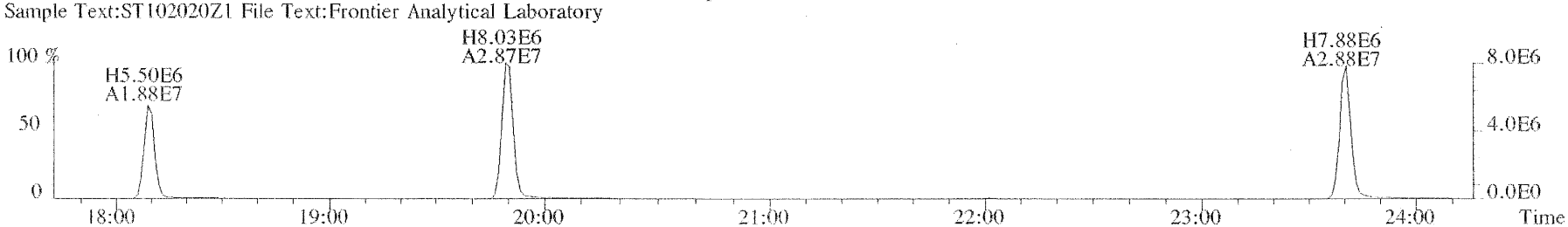
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



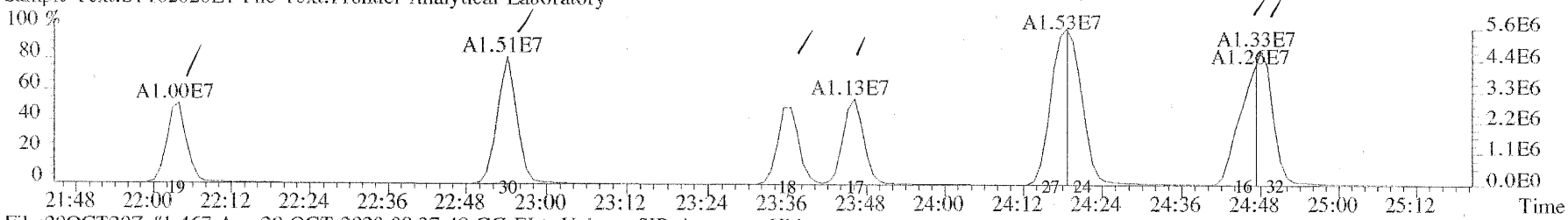
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



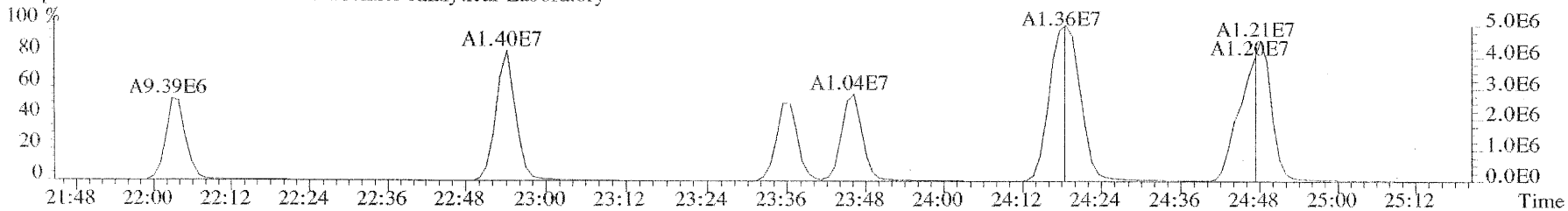
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



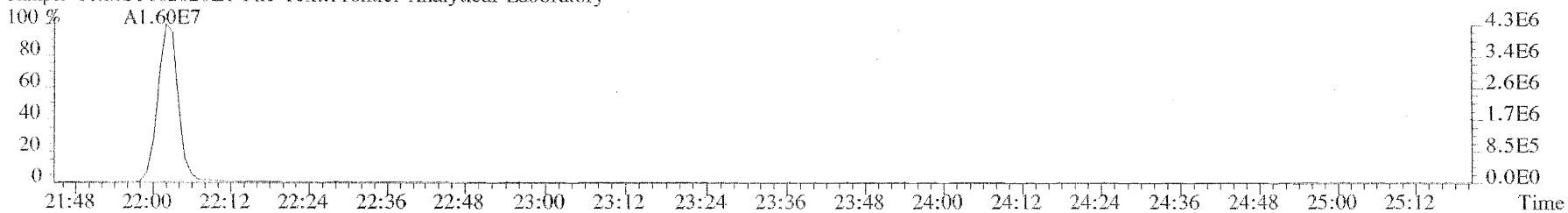
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



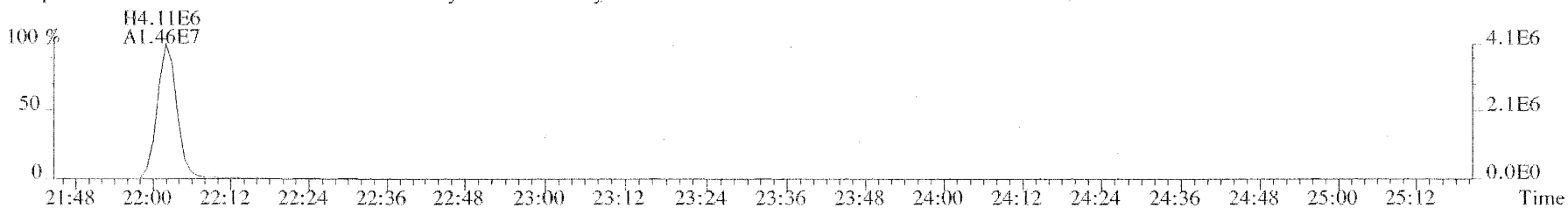
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



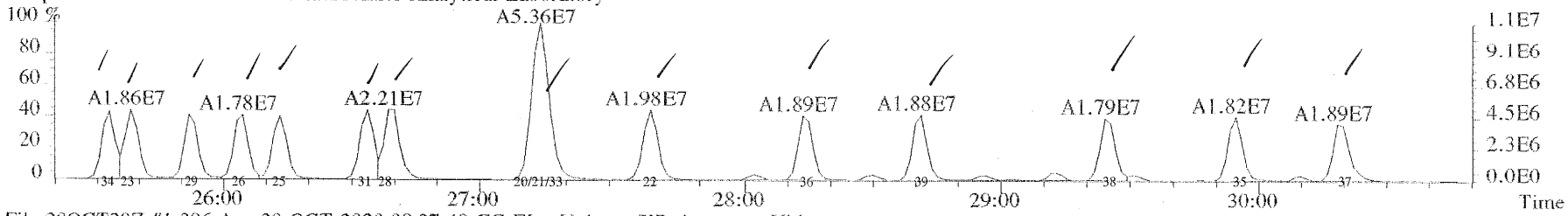
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



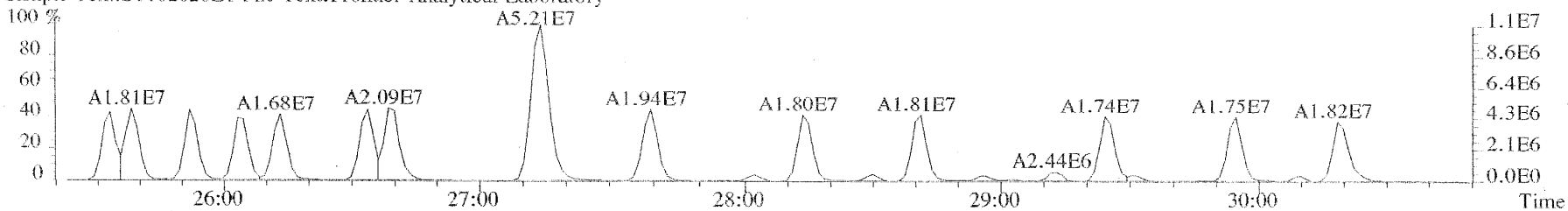
File:20OCT20Z #1-467 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



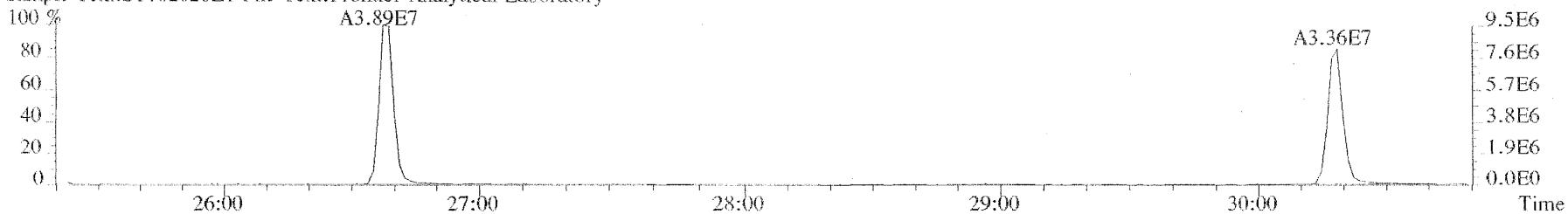
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



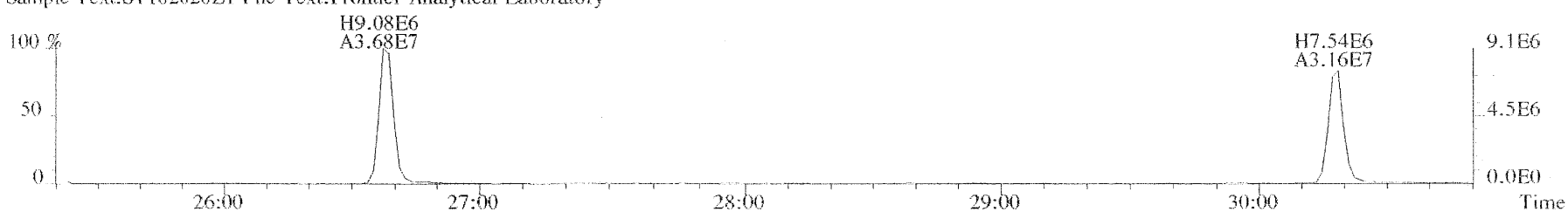
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



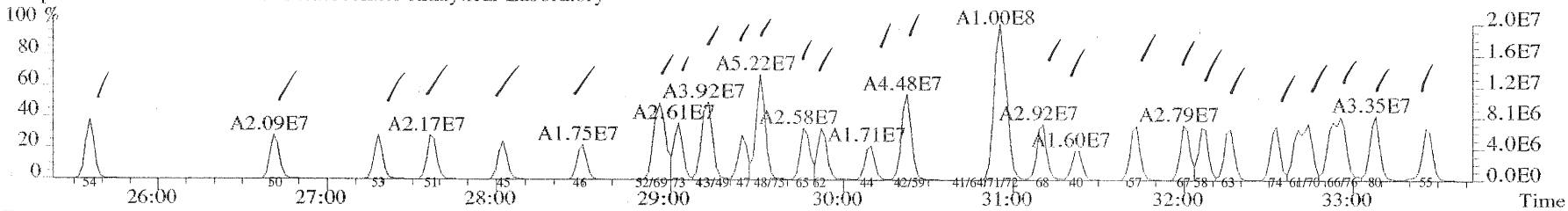
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



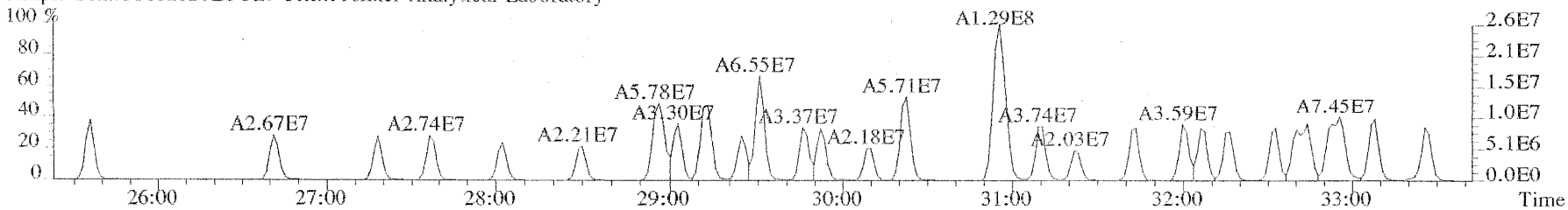
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



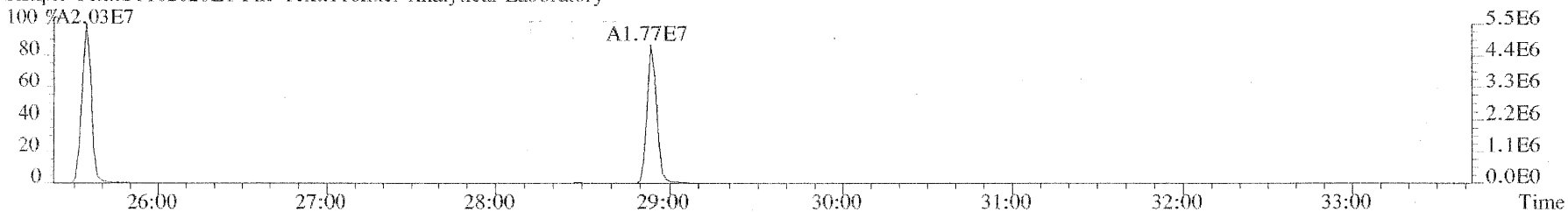
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



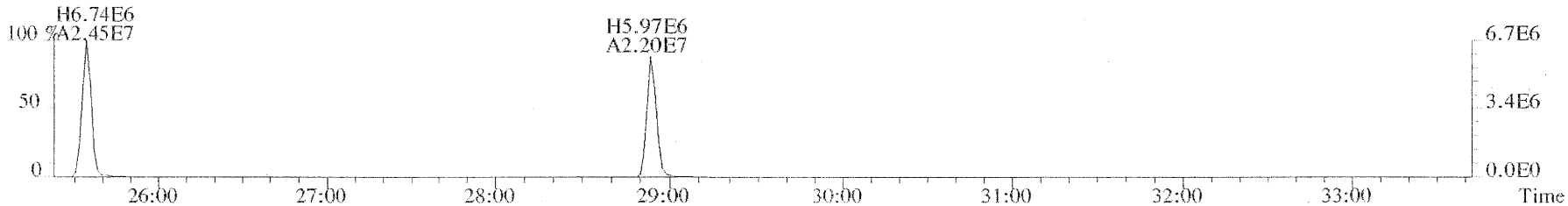
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



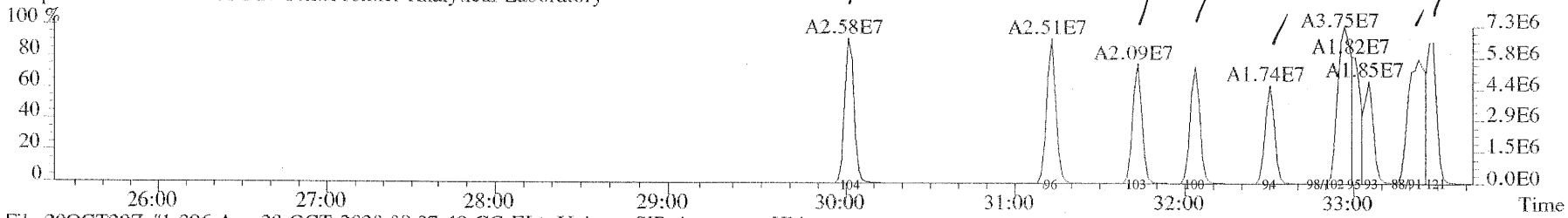
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



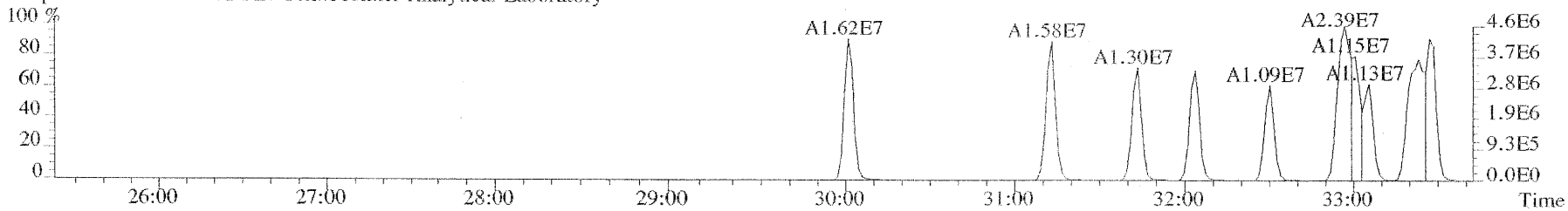
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



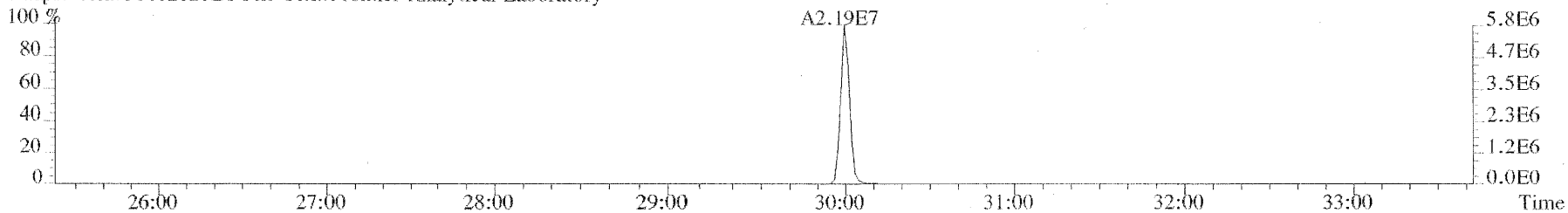
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



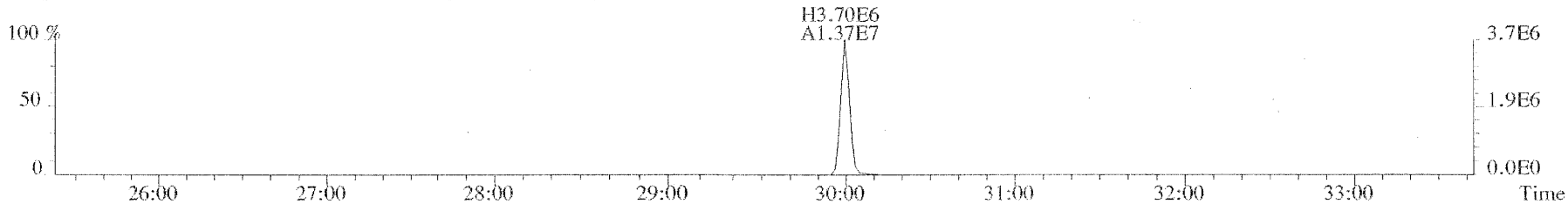
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



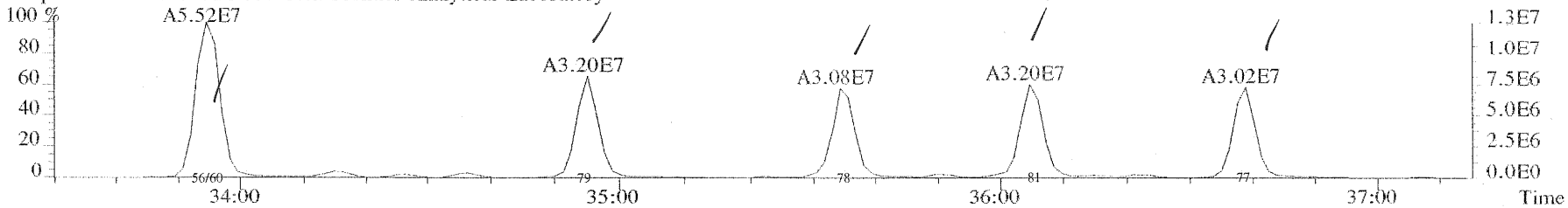
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



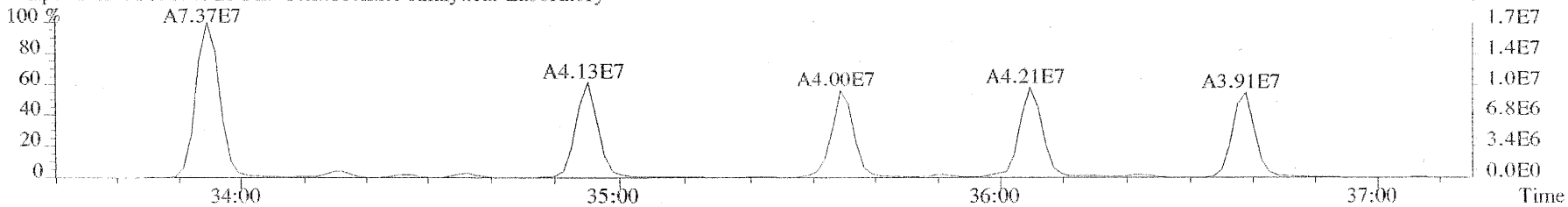
File:20OCT20Z #1-396 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



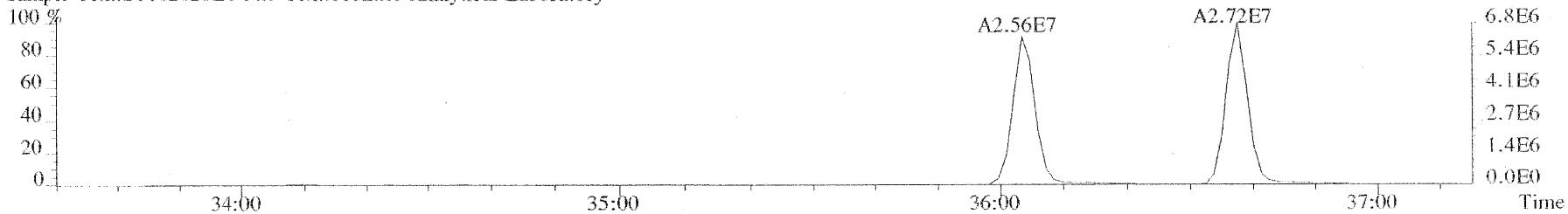
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



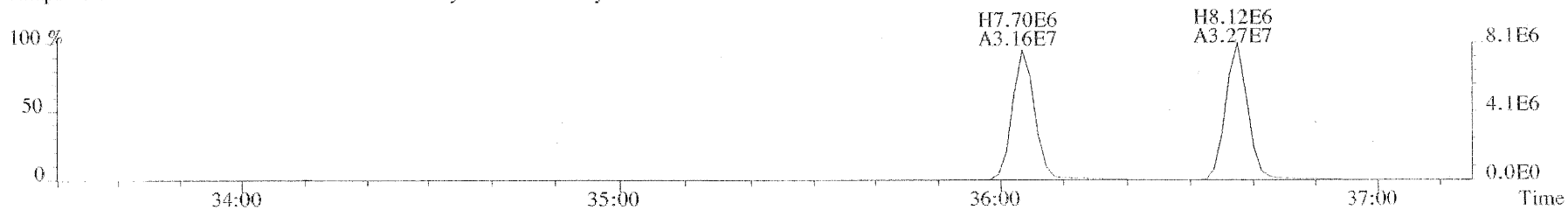
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



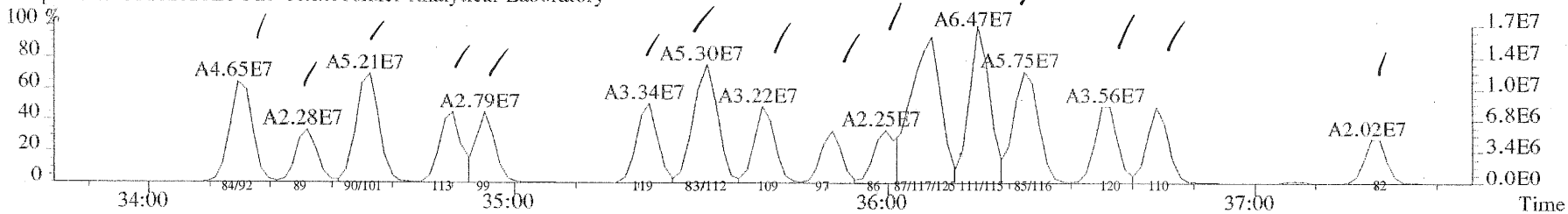
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



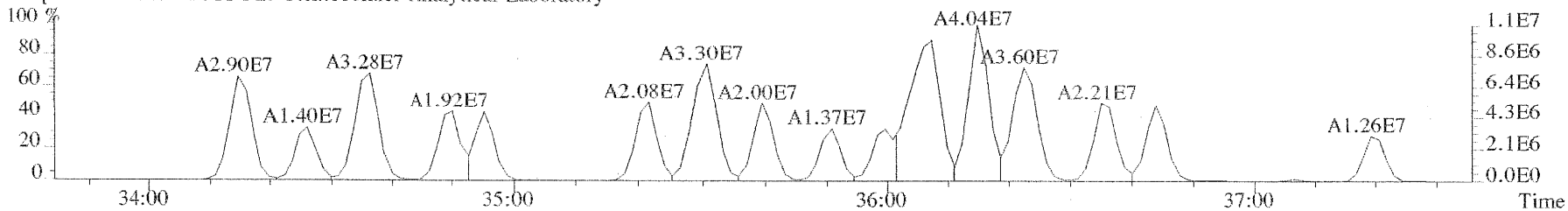
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



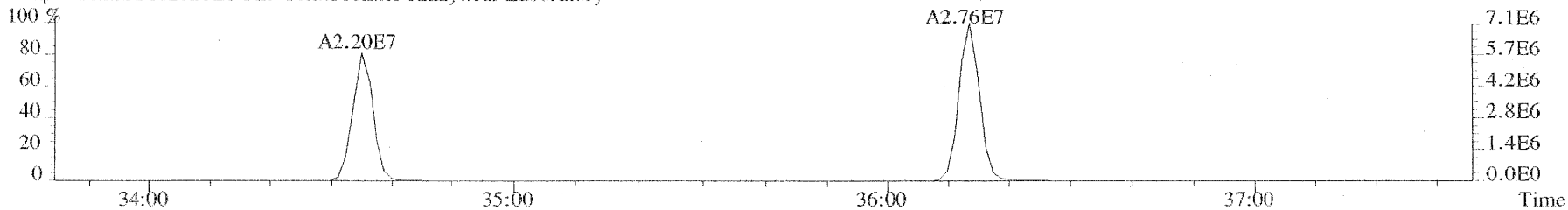
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



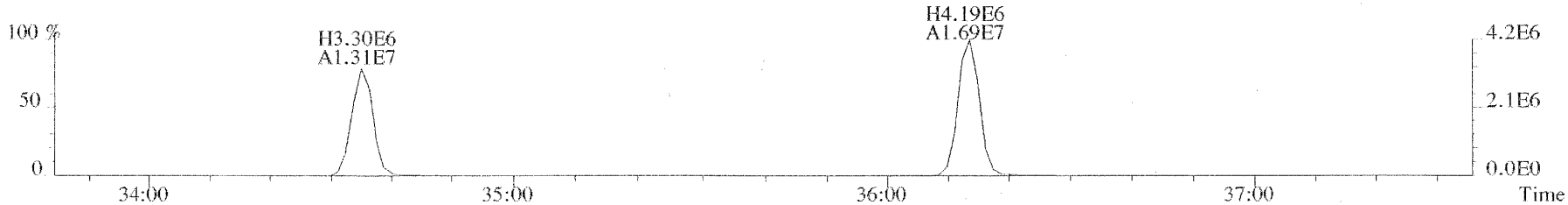
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



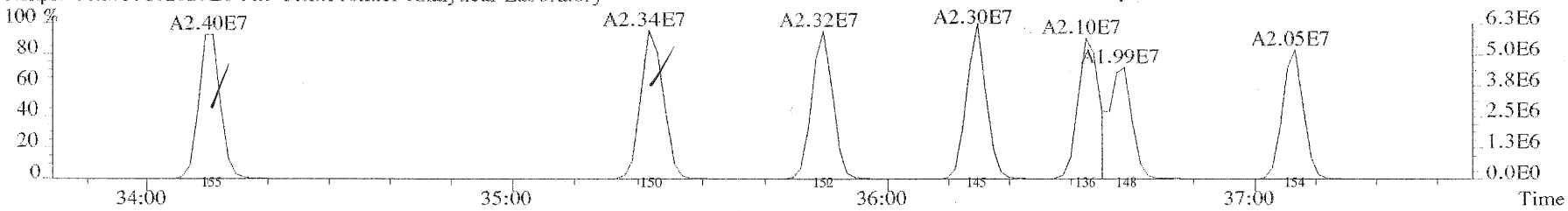
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



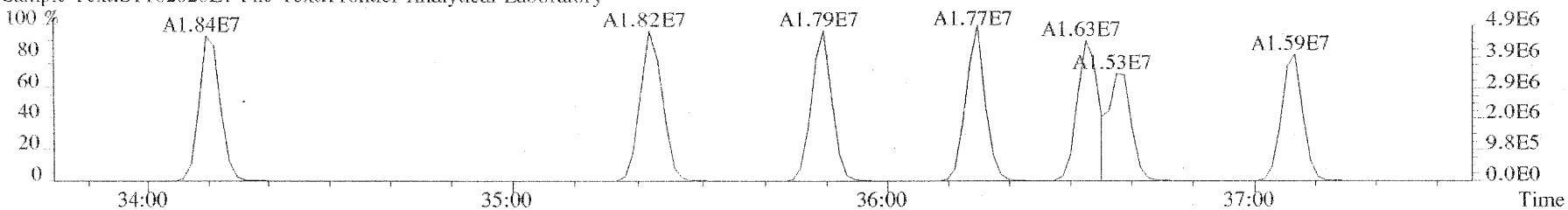
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



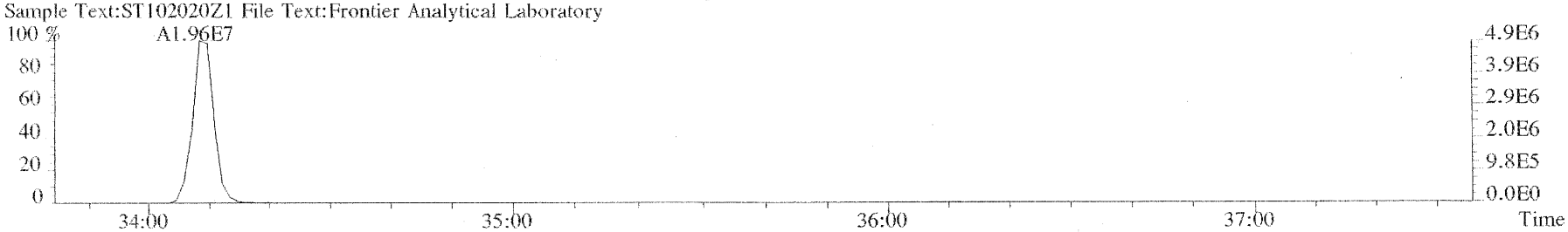
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



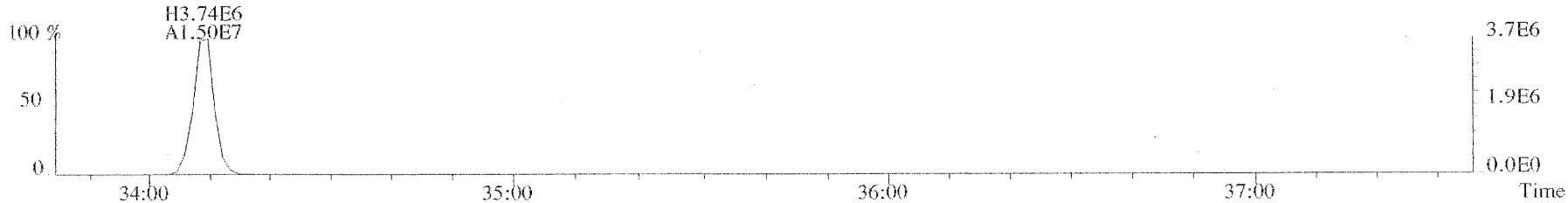
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



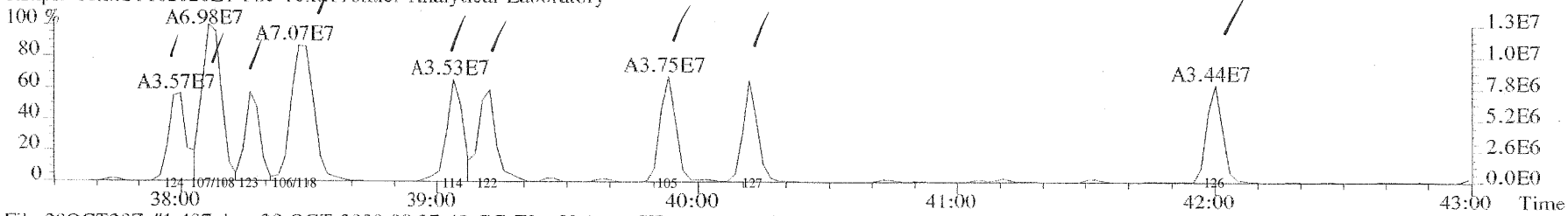
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



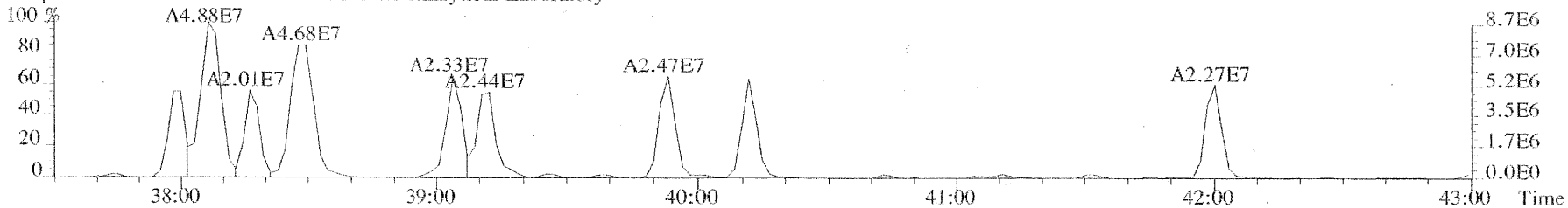
File:20OCT20Z #1-184 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



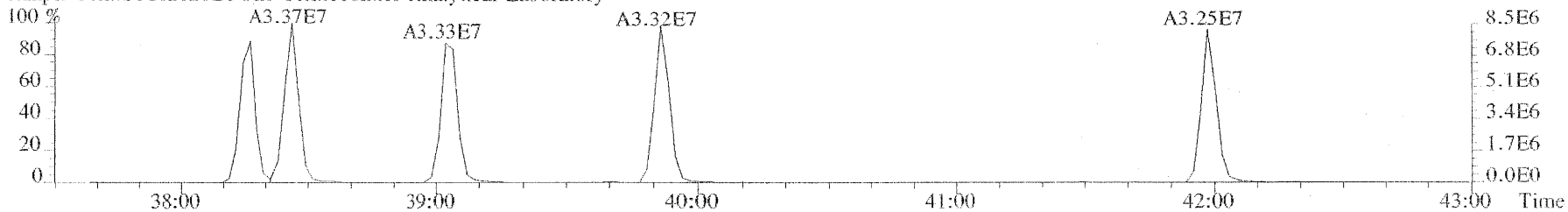
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



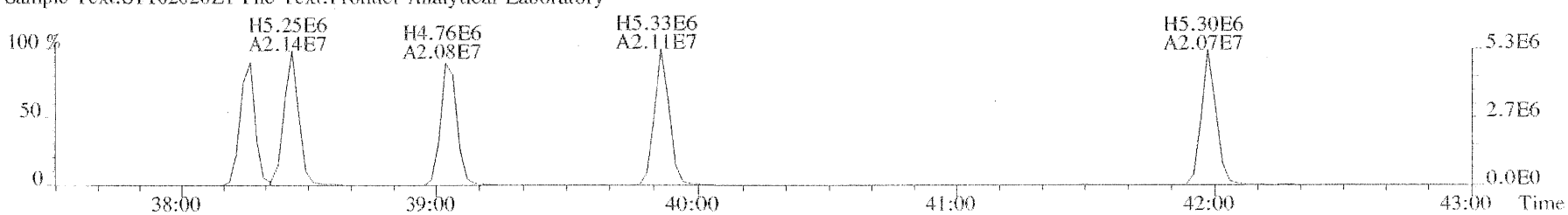
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



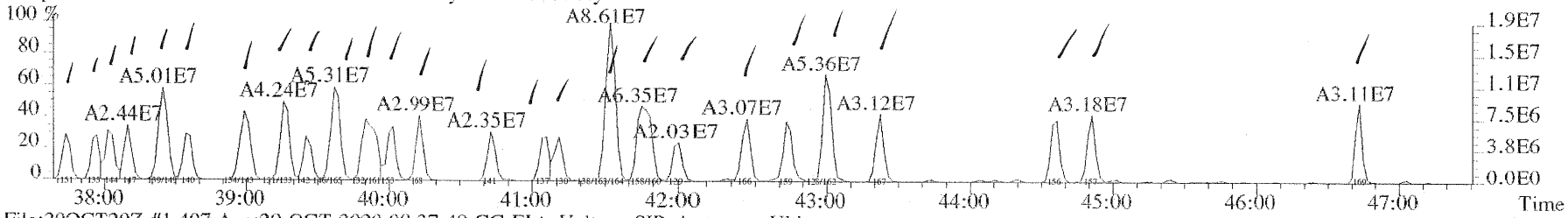
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



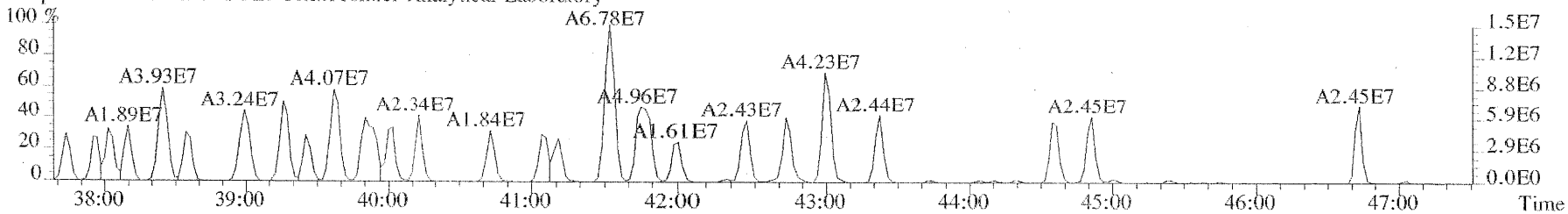
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



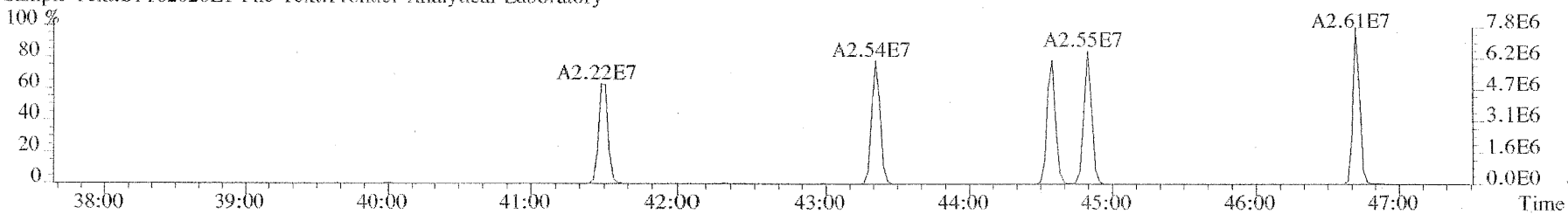
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



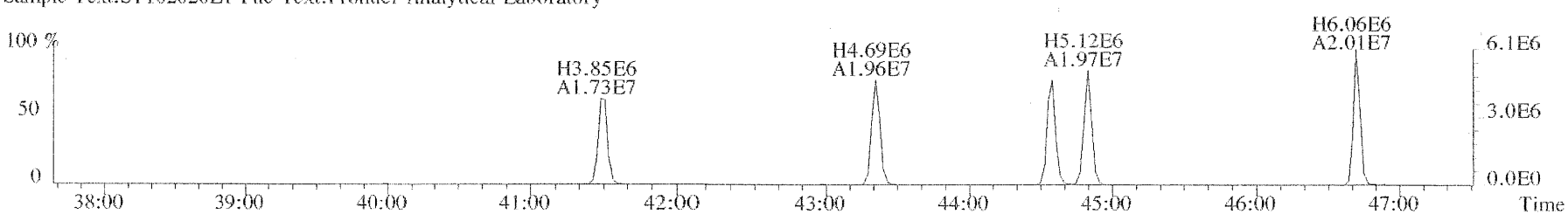
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



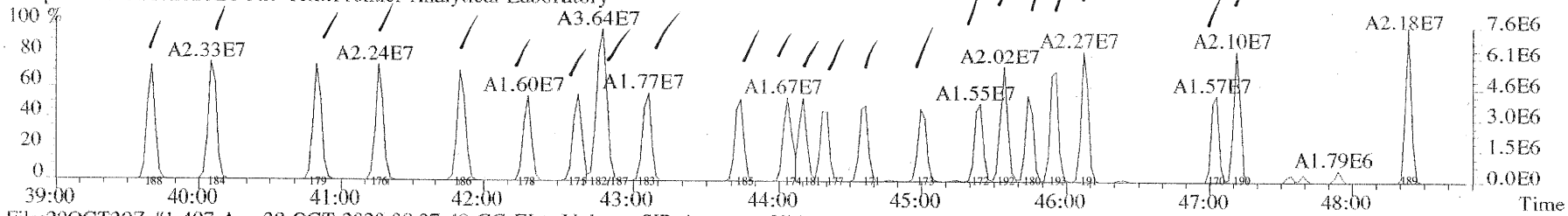
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



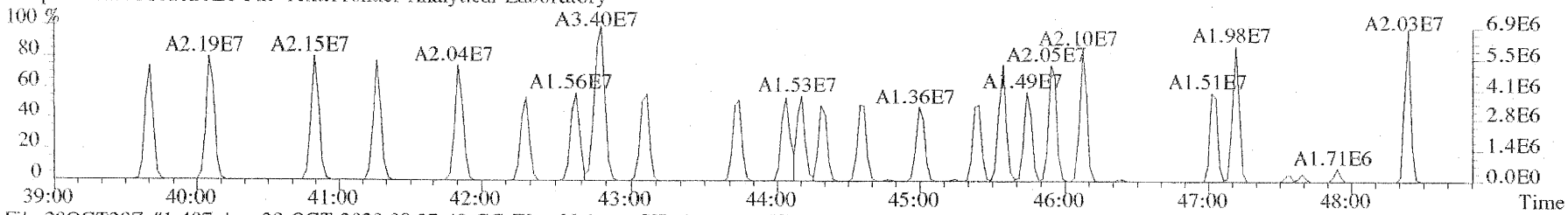
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



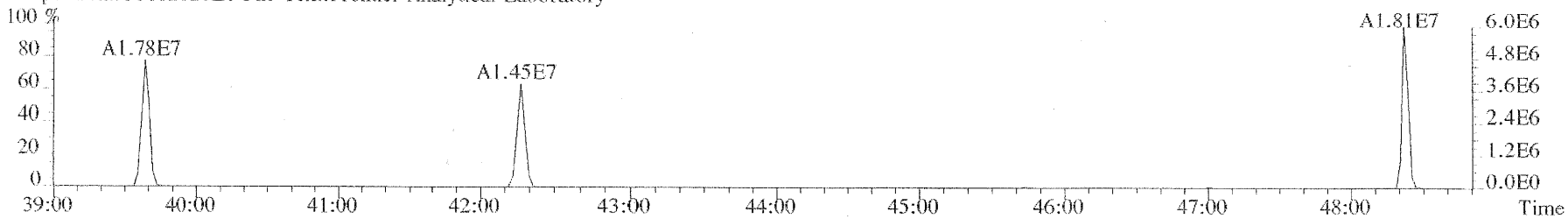
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



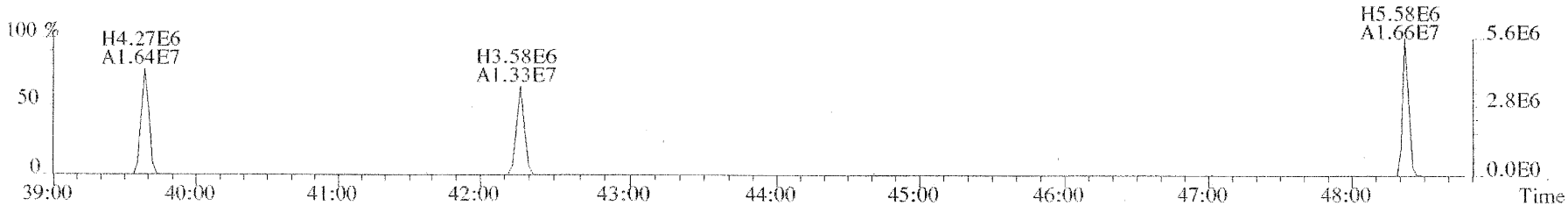
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



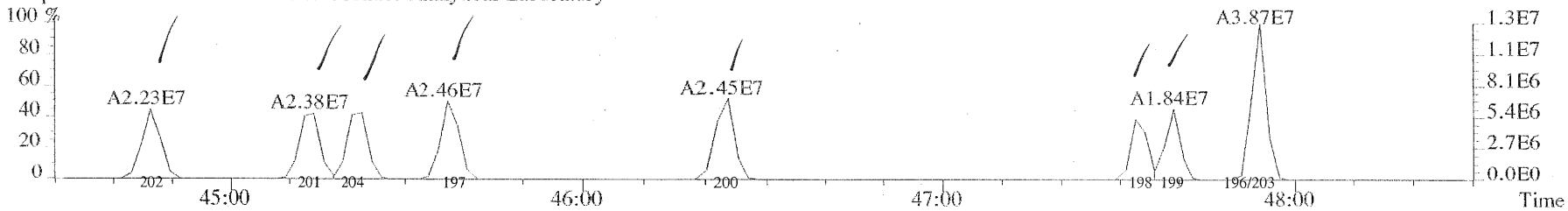
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



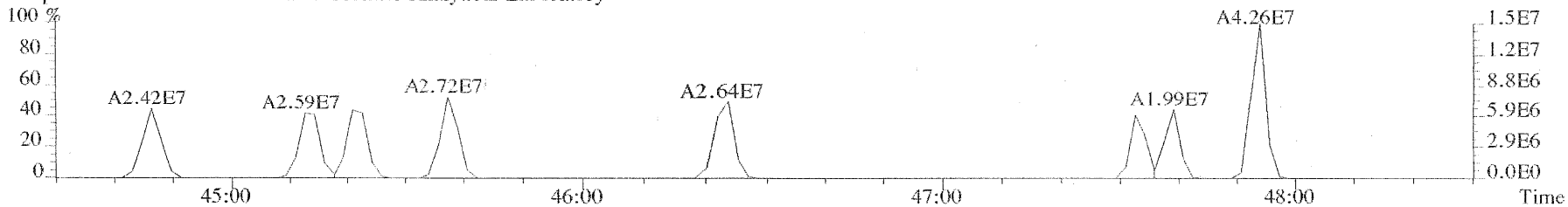
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



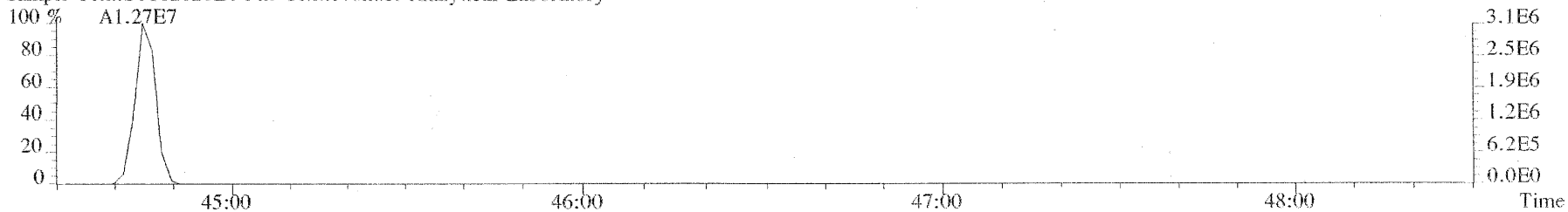
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



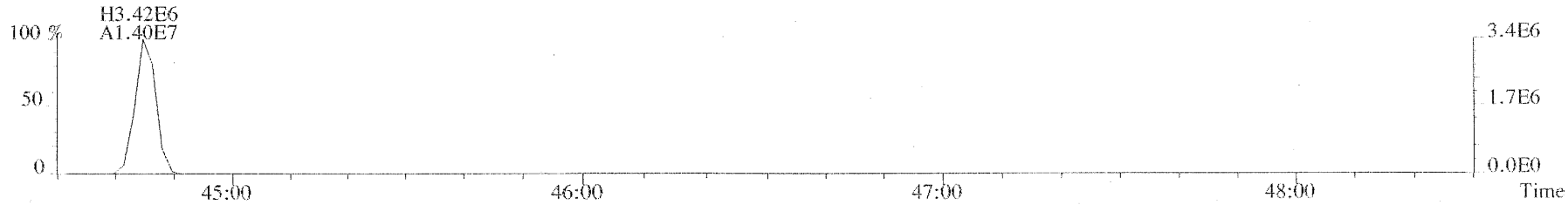
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



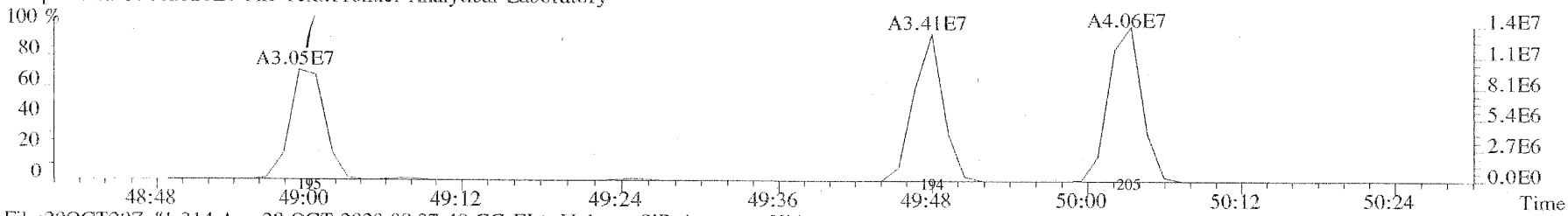
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



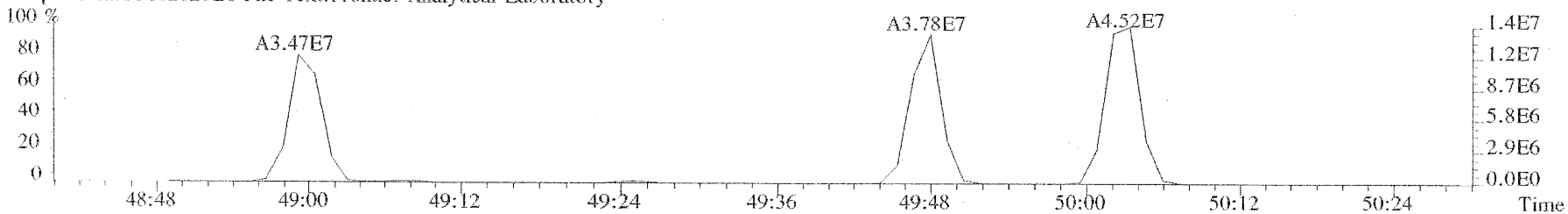
File:20OCT20Z #1-407 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



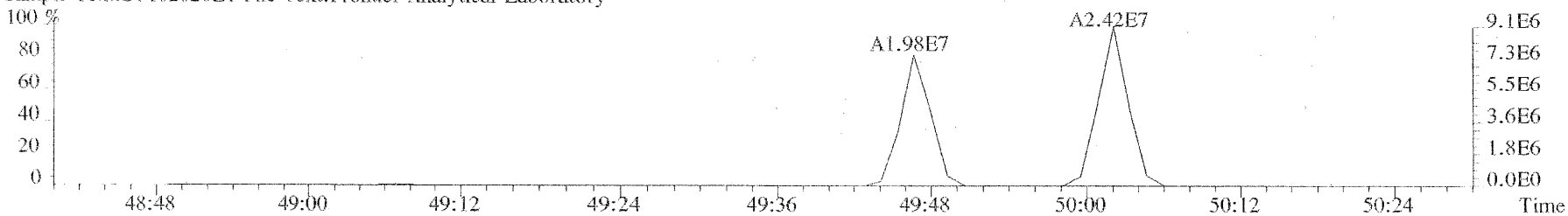
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



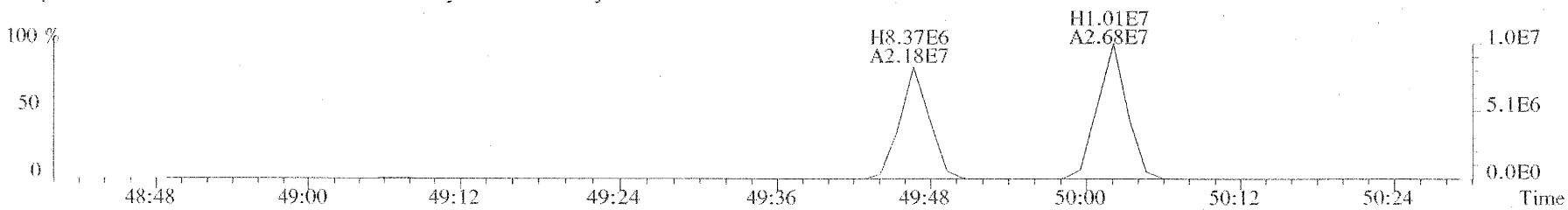
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



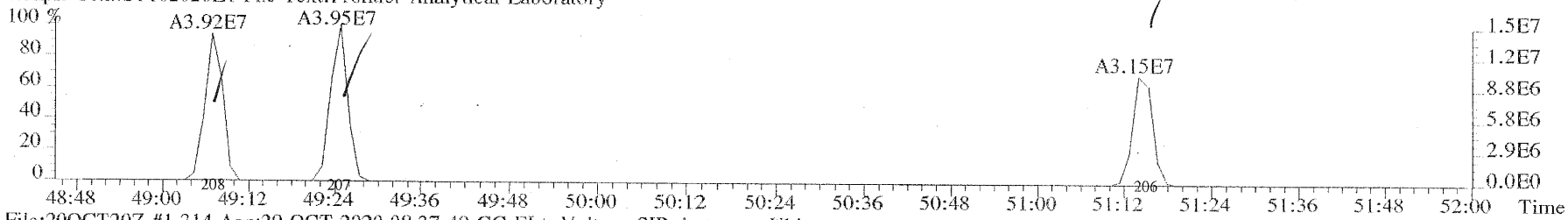
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



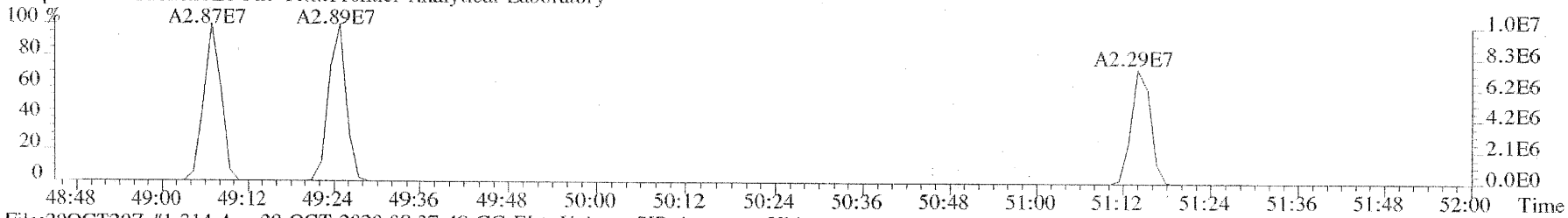
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



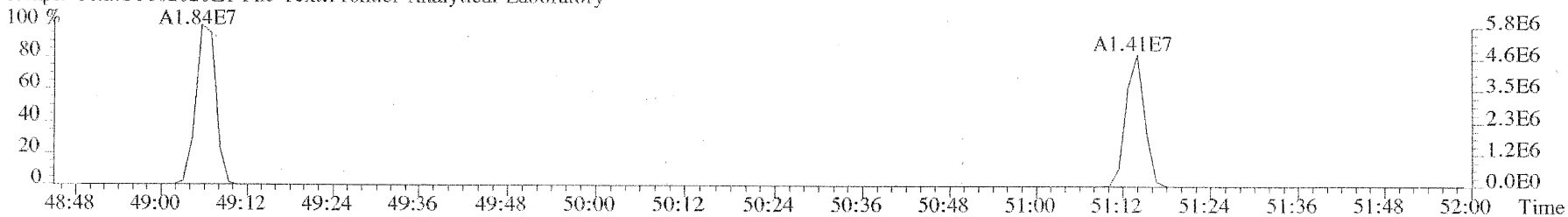
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



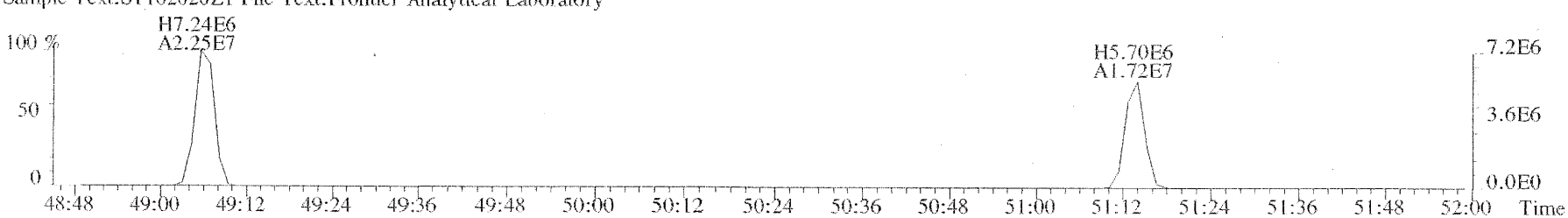
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



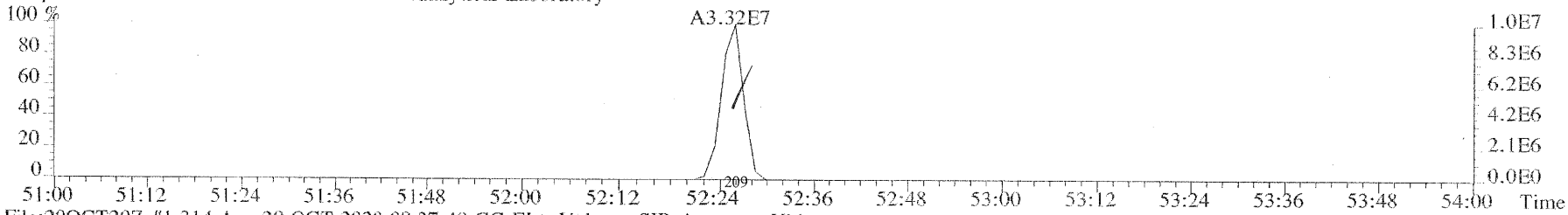
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



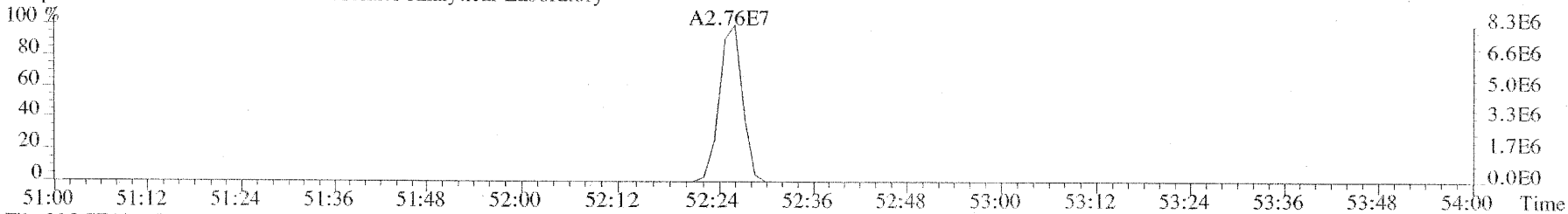
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



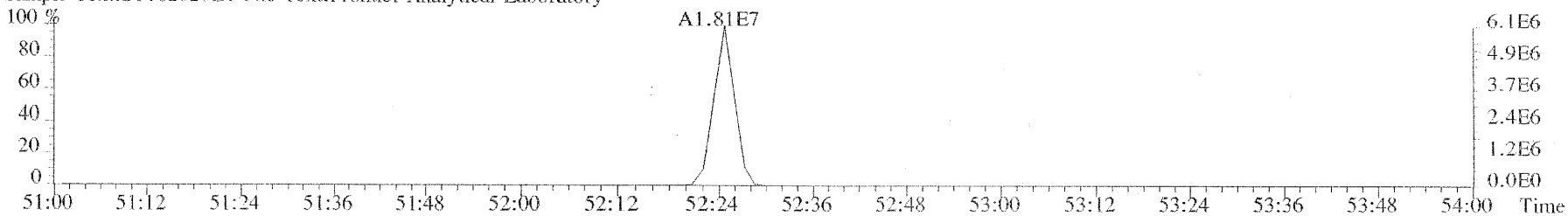
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



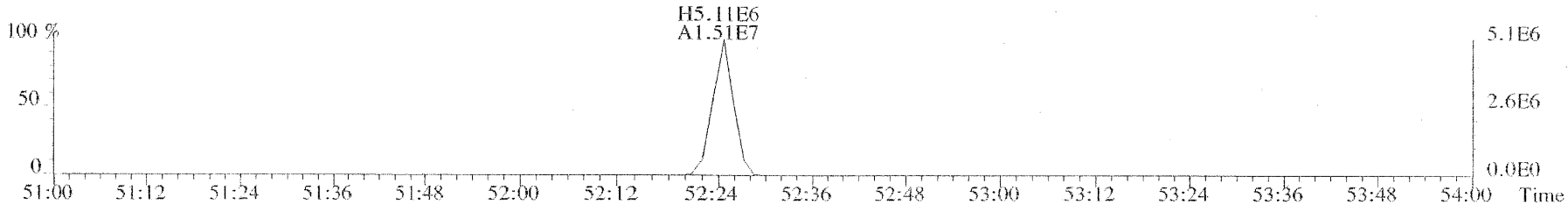
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory



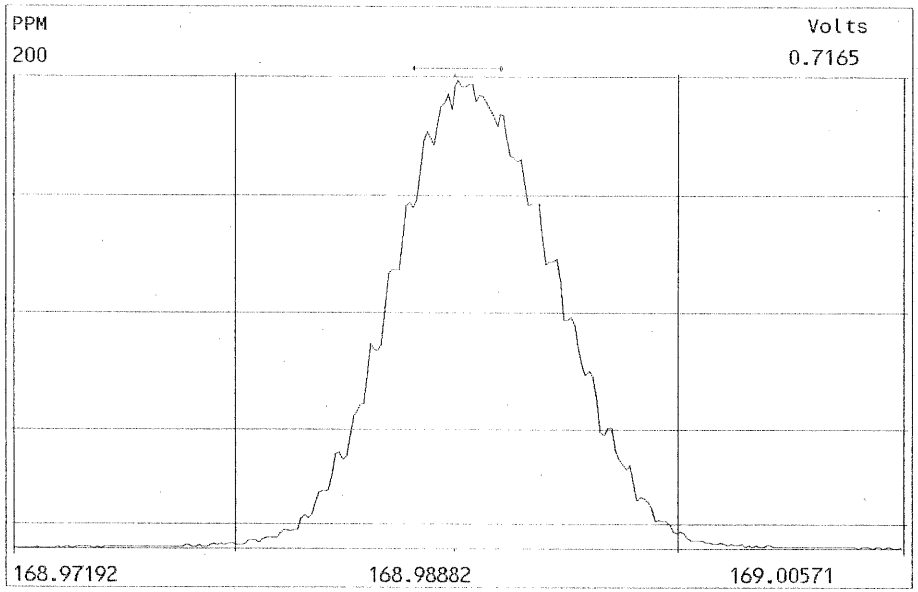
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory

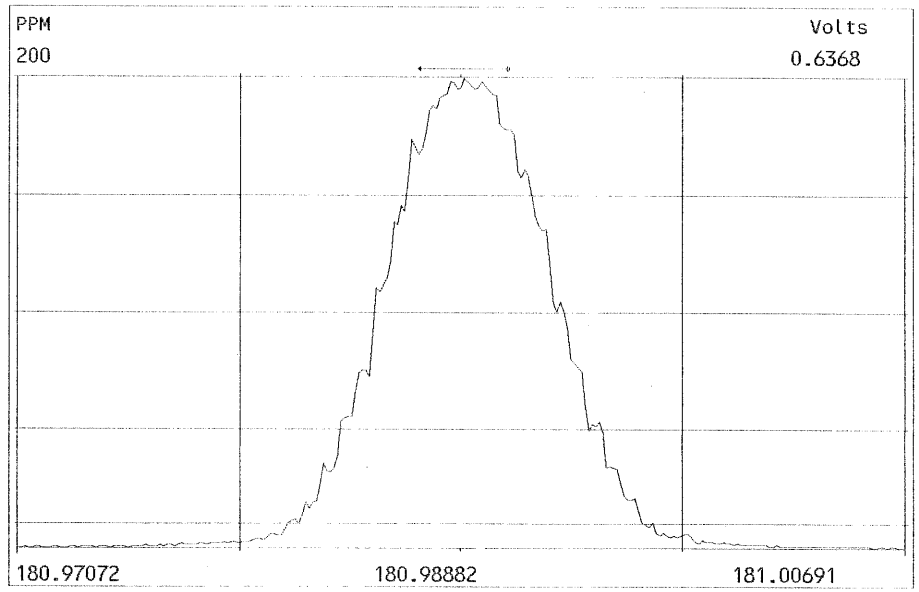


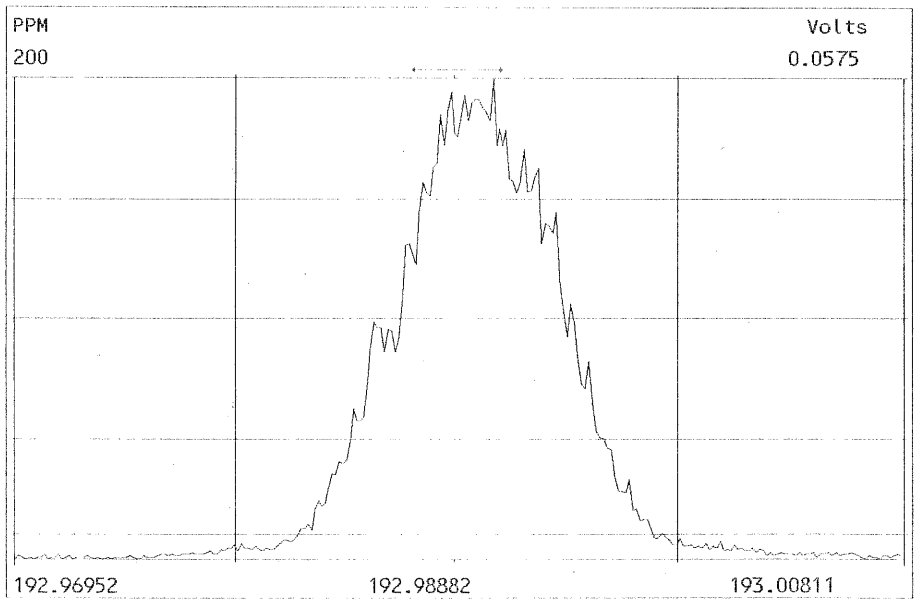
File:20OCT20Z #1-314 Acq:20-OCT-2020 08:37:49 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z1 File Text:Frontier Analytical Laboratory

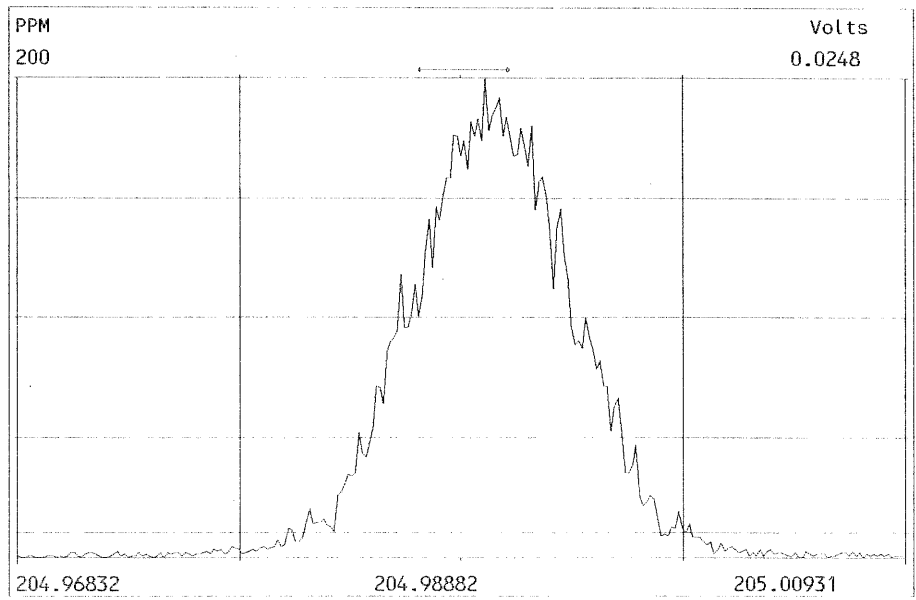


Peak Locate Examination:20-OCT-2020:23:45 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



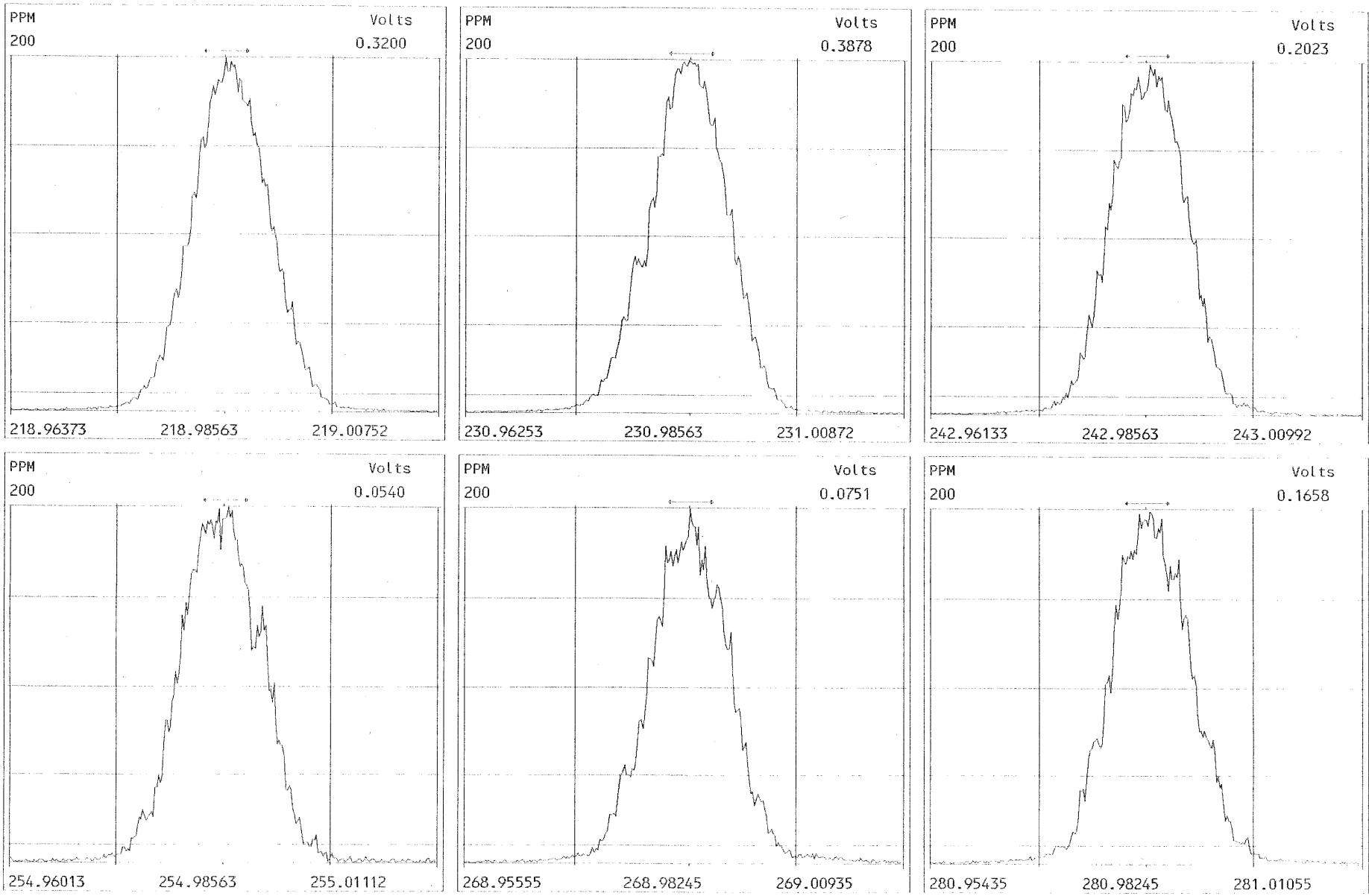




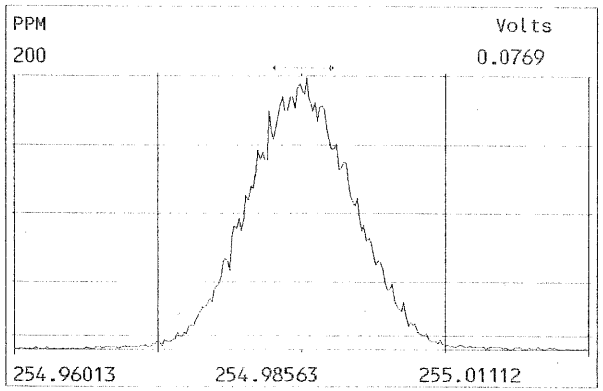


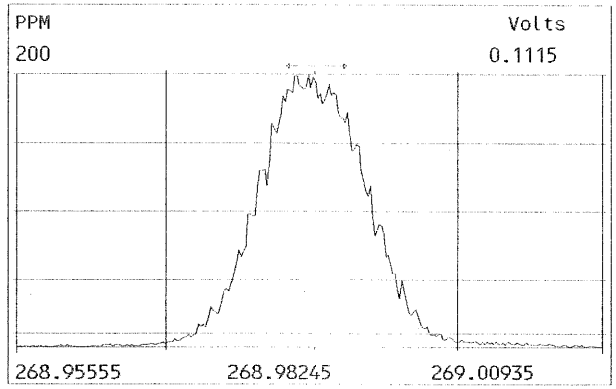
Peak Locate Examination:20-OCT-2020:23:47 File:20OCT20Z_RES_CHECK

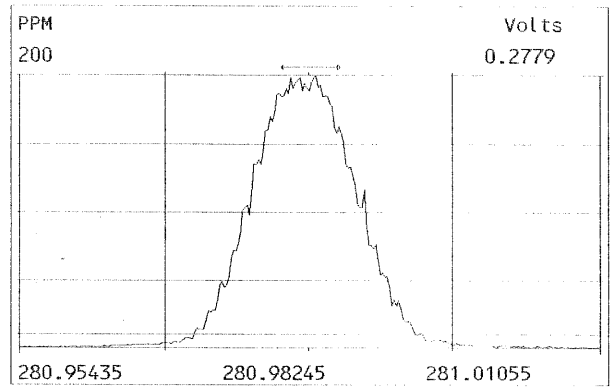
Experiment:1668PCB Function:2 Reference:PFK

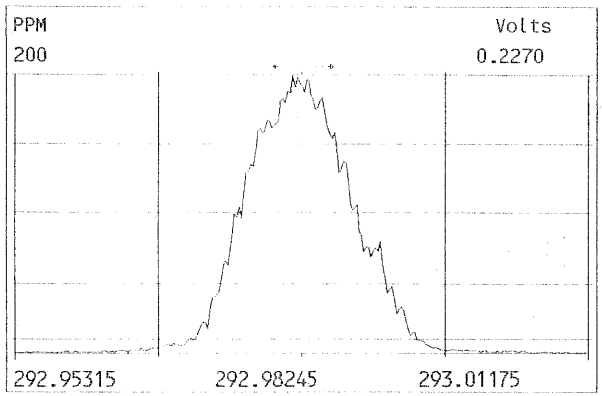


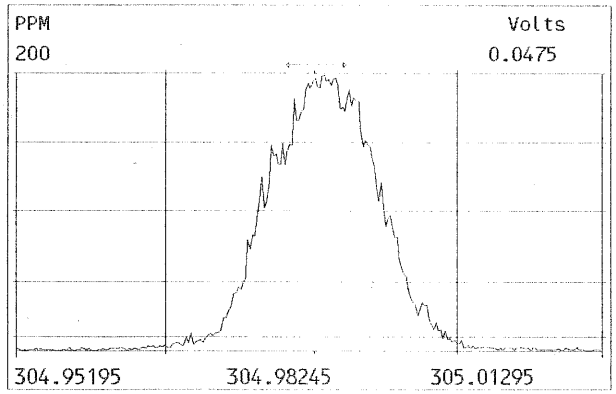
Peak Locate Examination:20-OCT-2020:23:49 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

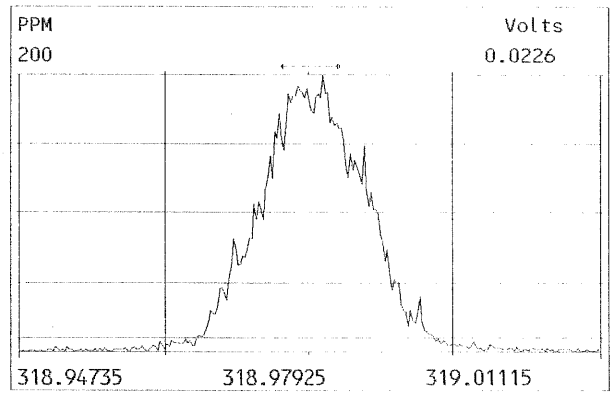


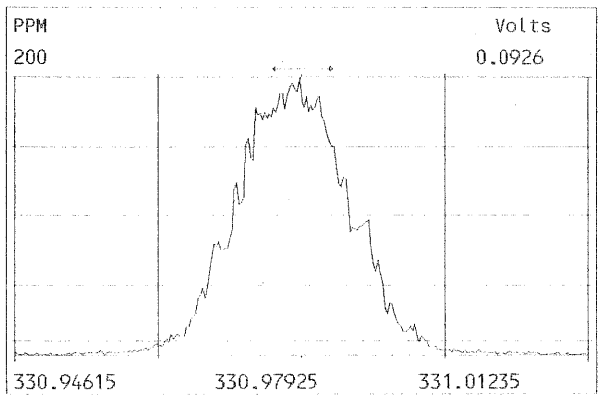


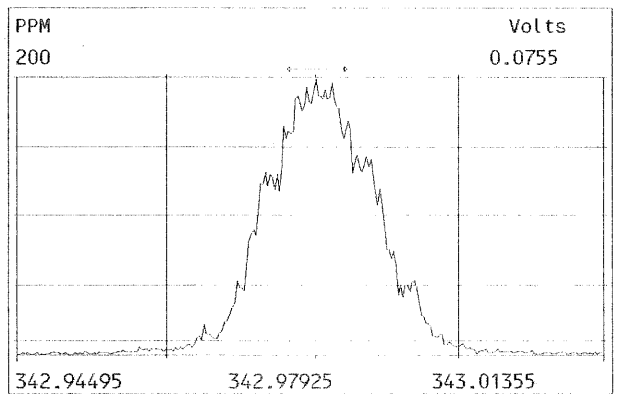






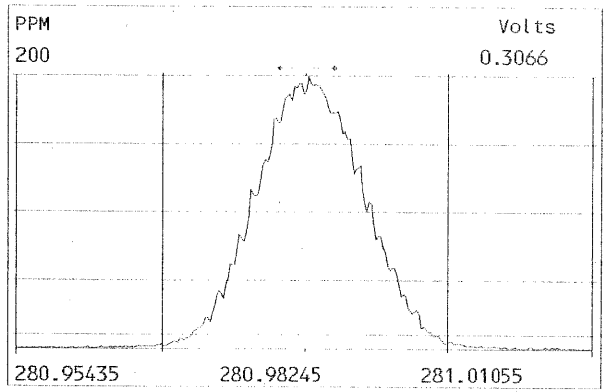


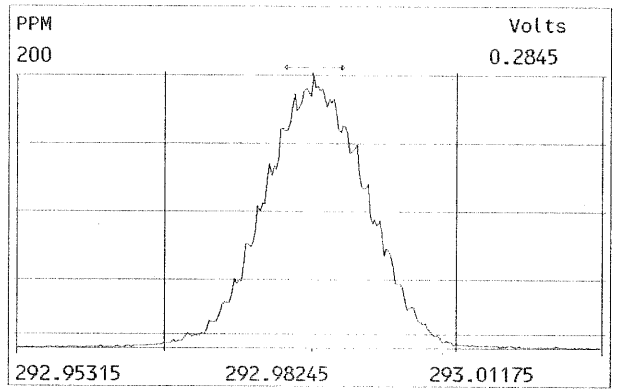


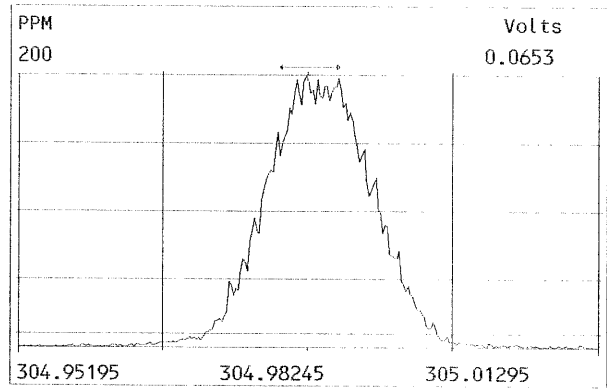


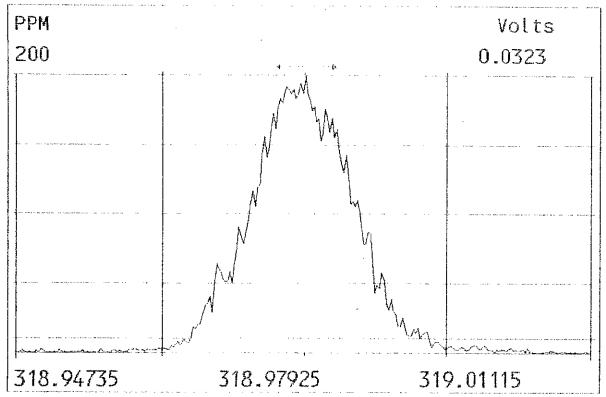
Peak Locate Examination:20-OCT-2020:23:52 File:20OCT20Z_RES_CHECK

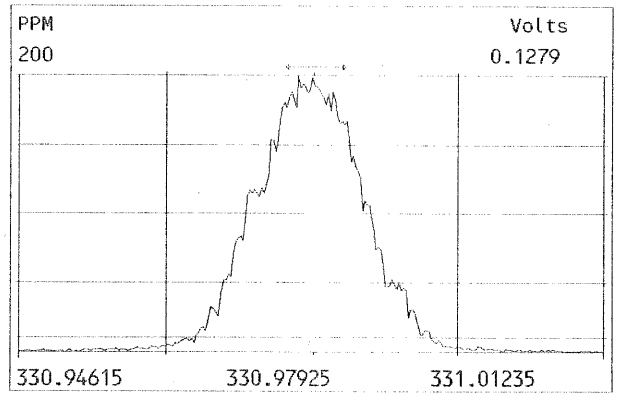
Experiment:1668PCB Function:4 Reference:PFK

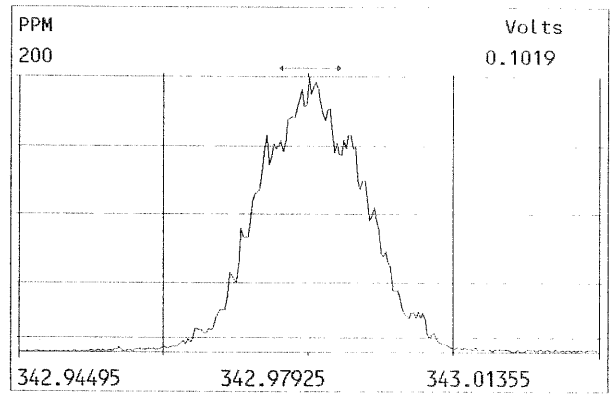


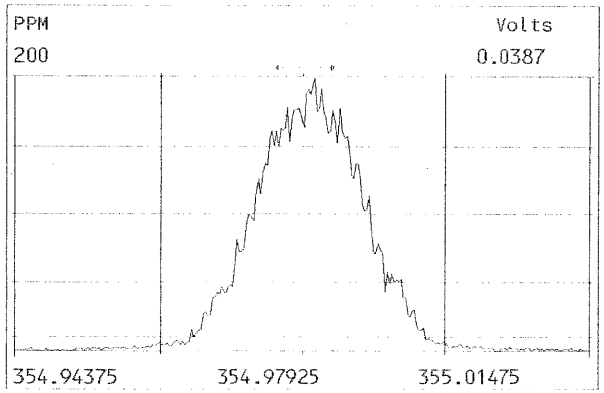


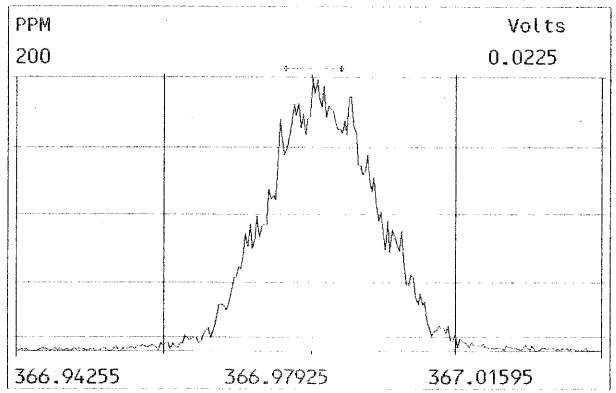


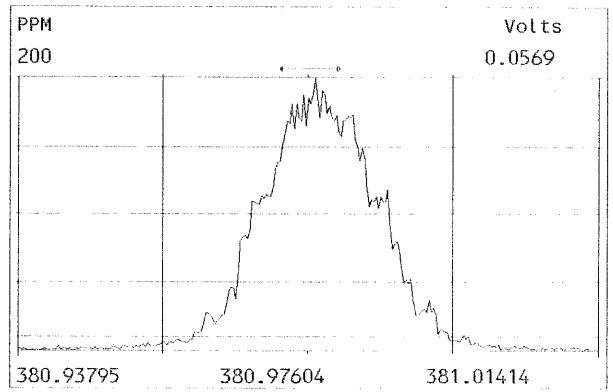




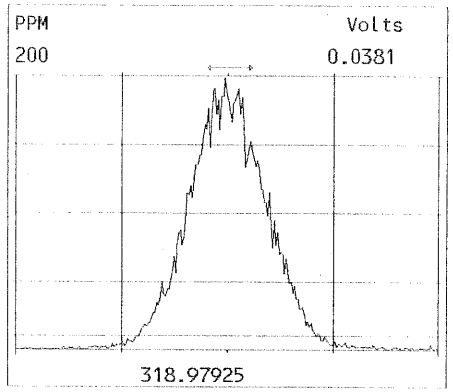


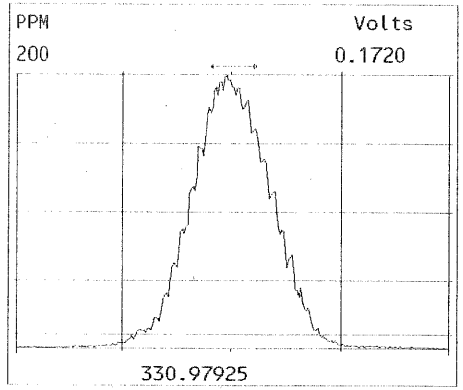


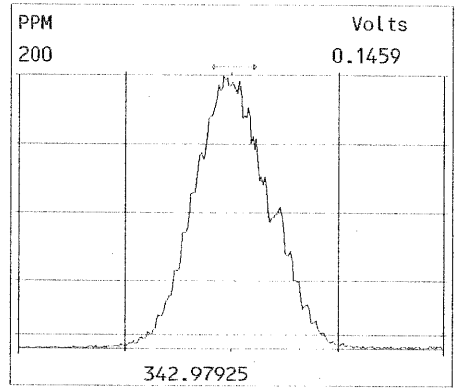


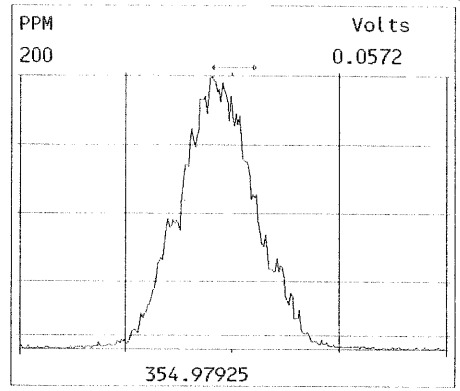


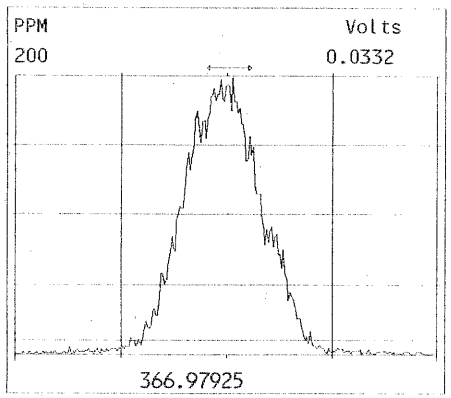
Peak Locate Examination:20-OCT-2020:23:54 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

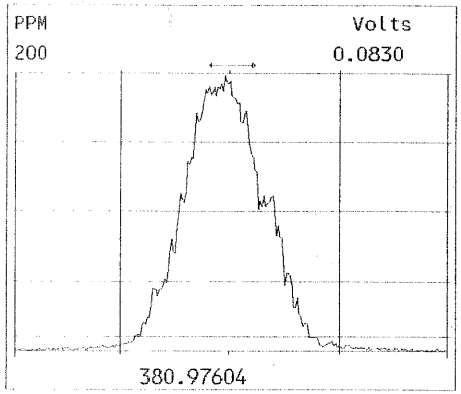


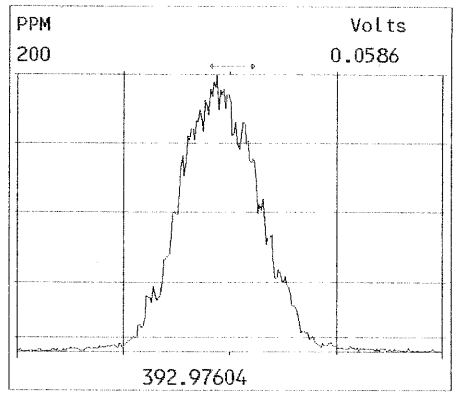


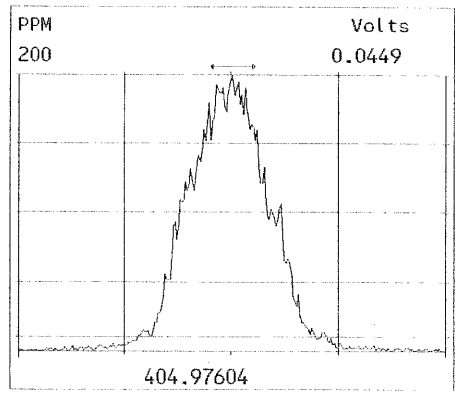


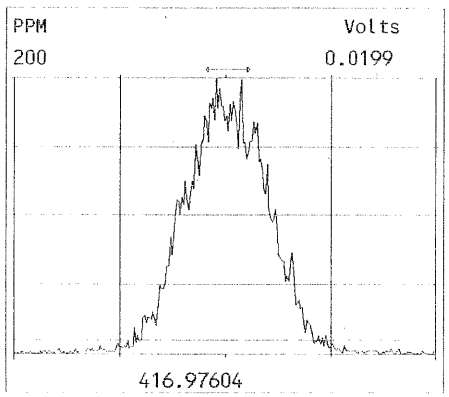


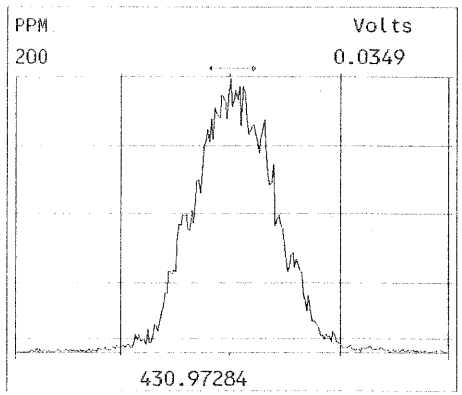


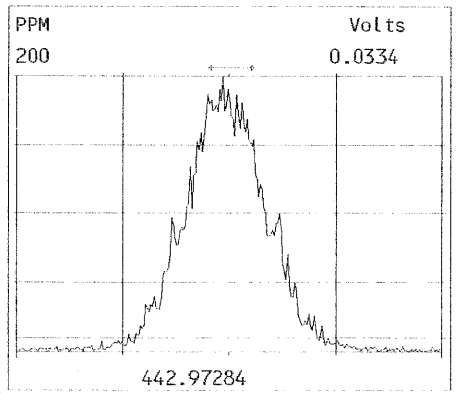




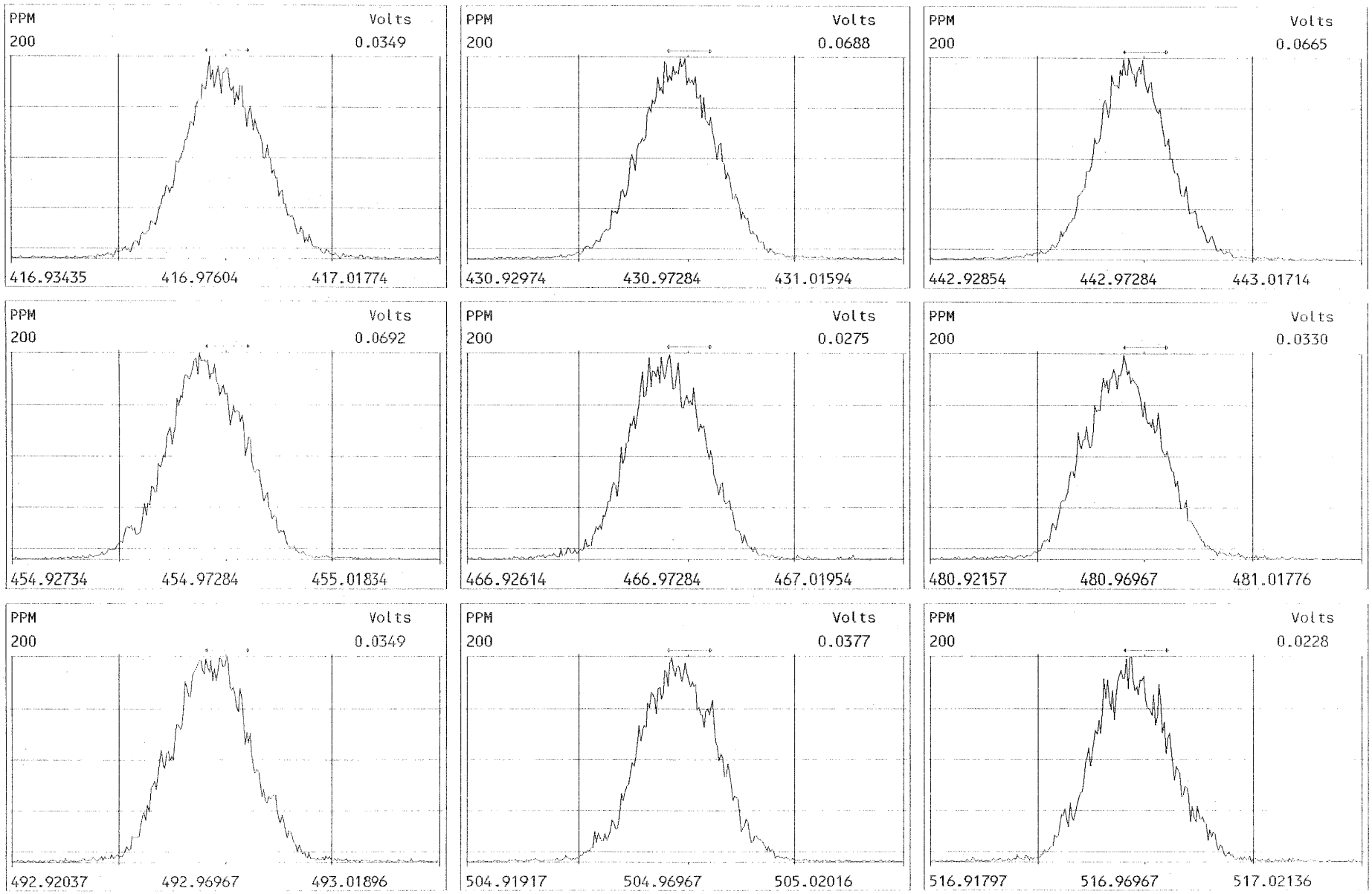








Peak Locate Examination:20-OCT-2020:23:57 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:15 Analysis Date: 20-OCT-20 22:18:04

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	58.6	37.5 - 62.5
PCB-3	M/M+2	3.11	2.66-3.60	y	56.6	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	47.9	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	56.8	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	57.2	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	53.0	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	115	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	105	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	114	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	108	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	112	75.0 - 125
PCB-114	M+2/M+4	1.56	1.32-1.78	y	109	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	204	150 - 250
PCB-123	M+2/M+4	1.57	1.32-1.78	y	101	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	111	75.0 - 125
PCB-156	M+2/M+4	1.29	1.05-1.43	y	117	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	116	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	113	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	114	75.0 - 125
PCB-188	M+2/M+4	1.09	0.89-1.21	y	118	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	114	75.0 - 125
PCB-202	M+2/M+4	0.95	0.76-1.02	y	185	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	168	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	166	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	165	112.5 - 187.5

Analyst: [signature] Date: 10/21/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 20OCT20Z Sam:15 Analysis Date: 20-OCT-20 22:18:04

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.36	2.66-3.60	y	80.0	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	74.9	50.0 - 145
13C-PCB-4	M/M+2	1.63	1.33-1.79	y	98.7	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	87.2	50.0 - 145
13C-PCB-19	M/M+2	1.13	0.88-1.20	y	64.3	50.0 - 145
13C-PCB-37	M/M+2	1.08	0.88-1.20	y	97.1	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	93.4	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	112	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	111	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	83.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	112	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	112	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	111	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	108	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	114	50.0 - 145
13C-PCB-155	M+2/M+4	1.35	1.05-1.43	y	82.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	95.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	96.2	50.0 - 145
13C-PCB-167	M+2/M+4	1.31	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.32	1.05-1.43	y	96.4	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	69.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.11	0.89-1.21	y	84.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	54.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	91.3	50.0 - 145
13C-PCB-206	M+2/M+4	0.82	0.65-0.89	y	82.5	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	75.2	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	70.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.07	0.88-1.20	y	110	65.0 - 135
13C-PCB-111	M+2/M+4	1.64	1.32-1.78	y	99.0	75.0 - 125
13C-PCB-178	M+2/M+4	1.15	0.89-1.21	y	76.4	75.0 - 125

Analyst: _____ Date: 10/21/20

FAL ID: ST10202OZ2 Filename: 20OCT20Z Sam:15 Acquired: 20-OCT-20 22:18:04 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10202OZ1 EndCal: ST10202OZ2
Results: 20OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.60e+07	3.23 y	14:31	1.21	58.6		2.50	-	-	*	-
13C-PCB-1	5.07e+07	3.36 y	14:30	0.90	80.0		2.50				80.0
PCB-3	3.42e+07	3.11 y	16:56	1.23	56.6		2.50	-	-	*	-
13C-PCB-3	4.91e+07	3.39 y	16:55	0.93	74.9		2.50				74.9
PCB-4	2.51e+07	1.50 y	18:11	1.14	47.9		2.50	-	-	*	-
13C-PCB-4	4.59e+07	1.63 y	18:09	0.66	98.7		2.50				98.7
PCB-15	4.15e+07	1.55 y	23:41	1.09	56.8		2.50	-	-	*	-
13C-PCB-15	6.68e+07	1.62 y	23:39	1.09	87.2		2.50				87.2
PCB-19	1.59e+07	1.10 y	22:03	1.21	57.2		2.50	-	-	*	-
13C-PCB-19	2.29e+07	1.13 y	22:02	0.50	64.3		2.50				64.3
13C-PCB-9	7.05e+07	1.64 y	19:49	-	69.1		2.50				
PCB-37	3.25e+07	1.05 y	30:18	1.14	53.0		2.50	-	-	*	-
13C-PCB-37	5.37e+07	1.08 y	30:17	1.64	97.1		2.50				97.1
PCB-54	5.41e+07	0.79 y	25:34	1.18	115		2.50	-	-	*	-
13C-PCB-54	3.98e+07	0.83 y	25:32	1.26	93.4		2.50				93.4
PCB-104	3.45e+07	1.56 y	30:00	1.12	108		2.50	-	-	*	-
13C-PCB-104	2.86e+07	1.60 y	29:59	1.02	83.2		2.50				83.2
13C-PCB-28	6.42e+07	1.07 y	26:37	1.73	110		2.50				110
13C-PCB-52	3.37e+07	0.79 y	28:53	-	63.4		2.50				
PCB-81	6.80e+07	0.80 y	36:04	1.13	114		2.50	-	-	*	-
13C-PCB-81	5.29e+07	0.80 y	36:03	1.57	111		2.50				111
PCB-77	6.27e+07	0.81 y	36:37	1.10	105		2.50	-	-	*	-
13C-PCB-77	5.45e+07	0.80 y	36:37	1.61	112		2.50				112
PCB-155	3.46e+07	1.31 y	34:09	1.13	111		2.50	-	-	*	-
13C-PCB-155	2.74e+07	1.35 y	34:08	1.10	82.1		2.50				82.1
13C-PCB-111	3.81e+07	1.64 y	36:12	1.27	99.0		2.50				99.0
13C-PCB-101	3.02e+07	1.65 y	34:35	-	63.5		2.50				
PCB-123	5.40e+07	1.57 y	38:16	1.11	101		2.50	-	-	*	-
13C-PCB-123	4.81e+07	1.59 y	38:14	1.28	108		2.50				108
PCB-118	1.19e+08	1.56 y	38:27	1.12	204		2.50	-	-	*	-
13C-PCB-118	5.22e+07	1.60 y	38:26	1.35	111		2.50				111
PCB-114	6.18e+07	1.56 y	39:04	1.13	109		2.50	-	-	*	-
13C-PCB-114	5.02e+07	1.62 y	39:02	1.29	112		2.50				112
PCB-105	6.17e+07	1.55 y	39:53	1.10	112		2.50	-	-	*	-
13C-PCB-105	4.98e+07	1.59 y	39:51	1.28	112		2.50				112
PCB-126	5.87e+07	1.60 y	41:60	1.08	111		2.50	-	-	*	-
13C-PCB-126	4.87e+07	1.60 y	41:58	1.23	114		2.50				114
PCB-167	5.03e+07	1.27 y	43:22	1.11	113		2.50	-	-	*	-
13C-PCB-167	4.00e+07	1.31 y	43:20	1.23	93.9		2.50				93.9
PCB-156	5.19e+07	1.29 y	44:34	1.13	117		2.50	-	-	*	-
13C-PCB-156	3.95e+07	1.32 y	44:34	1.19	95.8		2.50				95.8
PCB-157	5.11e+07	1.28 y	44:51	1.08	116		2.50	-	-	*	-
13C-PCB-157	4.05e+07	1.30 y	44:49	1.21	96.2		2.50				96.2
PCB-169	4.80e+07	1.29 y	46:43	1.08	114		2.50	-	-	*	-
13C-PCB-169	3.92e+07	1.32 y	46:41	1.17	96.4		2.50				96.4
PCB-188	3.51e+07	1.09 y	39:38	1.10	118		2.50	-	-	*	-
13C-PCB-188	2.70e+07	1.09 y	39:38	1.13	69.0		2.50				69.0
PCB-189	3.45e+07	1.07 y	48:23	1.07	114		2.50	-	-	*	-
13C-PCB-189	2.83e+07	1.11 y	48:22	0.97	84.6		2.50				84.6
PCB-202	3.46e+07	0.95 y	44:46	1.03	185		2.50	-	-	*	-
13C-PCB-202	1.82e+07	0.93 y	44:44	0.96	54.9		2.50				54.9
13C-PCB-178	2.06e+07	1.15 y	42:16	0.78	76.4		2.50				76.4
13C-PCB-138	3.47e+07	1.32 y	41:28	-	72.2		2.50				

FAL ID: ST10202022 Filename: 20OCT20Z Sam:15 Acquired: 20-OCT-20 22:18:04 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST102020Z1 EndCal: ST102020Z2
Results: 20OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	7.99e+07	0.91	y	50:03	1.09	158	2.50	-	-	*	-
13C-PCB-205	4.67e+07	0.90	y	50:02	1.32	91.3	2.50				91.3
PCB-208	6.71e+07	1.38	y	49:07	1.01	166	2.50	-	-	*	-
13C-PCB-208	4.02e+07	0.82	y	49:05	1.38	75.2	2.50				75.2
PCB-206	5.26e+07	1.35	y	51:14	1.04	168	2.50	-	-	*	-
13C-PCB-206	3.00e+07	0.82	y	51:14	0.94	82.5	2.50				82.5
PCB-209	5.64e+07	1.20	y	52:26	1.13	165	2.50	-	-	*	-
13C-PCB-209	3.04e+07	1.21	y	52:24	1.10	70.8	2.50				70.8
13C-PCB-194	3.89e+07	0.89	y	49:46	-	102	2.50				

Analyst: _____ Date: 10/21/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:20OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
20OCT20Z	1	ST102020Z1	CS209 200406A	20-OCT-20 08:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	2	05481-001-0001-OPR	OPR	20-OCT-20 09:37:51	ST102020Z1	ST102020Z2	BS
20OCT20Z	3	05481-001-0001-MB	Method Blank	20-OCT-20 10:37:49	ST102020Z1	ST102020Z2	BS
20OCT20Z	4	13371-001-0001-SA	LDW-Y3-EXTRA-S010-TB	20-OCT-20 11:36:10	ST102020Z1	ST102020Z2	BS
20OCT20Z	5	13371-002-0001-SA	LDW-Y3-IN-ENR+AC-CA-S010	20-OCT-20 12:34:32	ST102020Z1	ST102020Z2	BS
20OCT20Z	6	13371-003-0001-SA	LDW-Y3-IN-ENR+AC-CB-S010	20-OCT-20 13:32:53	ST102020Z1	ST102020Z2	BS
20OCT20Z	7	13371-004-0001-SA	LDW-Y3-IN-ENR+AC-CC-S010	20-OCT-20 14:31:14	ST102020Z1	ST102020Z2	BS
20OCT20Z	8	13371-008-0001-SA	LDW-Y3-IN-ENR-CB-S010	20-OCT-20 15:29:36	ST102020Z1	ST102020Z2	BS
20OCT20Z	9	13371-009-0001-SA	LDW-Y3-IN-ENR-CC-S010	20-OCT-20 16:27:57	ST102020Z1	ST102020Z2	BS
20OCT20Z	10	13371-010-0001-SA	LDW-Y3-IN-ENR-CD-S010	20-OCT-20 17:26:18	ST102020Z1	ST102020Z2	BS
20OCT20Z	11	13371-013-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010	20-OCT-20 18:24:39	ST102020Z1	ST102020Z2	BS
20OCT20Z	12	13371-014-0001-SA	LDW-Y3-SC-ENR+AC-CA-S010-LONG	20-OCT-20 19:23:00	ST102020Z1	ST102020Z2	BS
20OCT20Z	13	13371-015-0001-SA	LDW-Y3-SC-ENR+AC-CB-S010	20-OCT-20 20:21:21	ST102020Z1	ST102020Z2	BS
20OCT20Z	14	SB102020Z1	Solvent Blank	20-OCT-20 21:19:43	ST102020Z1	ST102020Z2	BS
20OCT20Z	15	ST102020Z2	CS209 200406A	20-OCT-20 22:18:04	ST102020Z1	ST102020Z2	BS

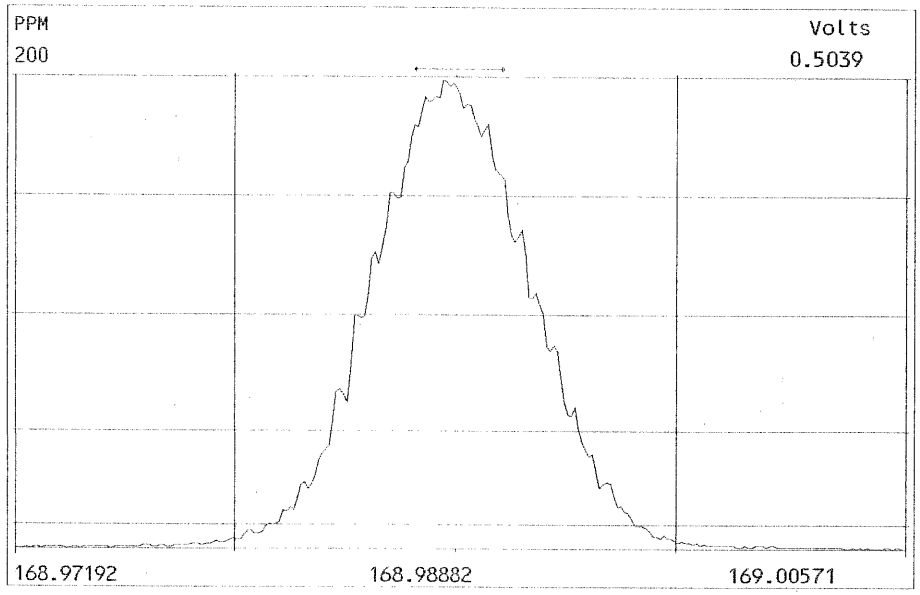
DN

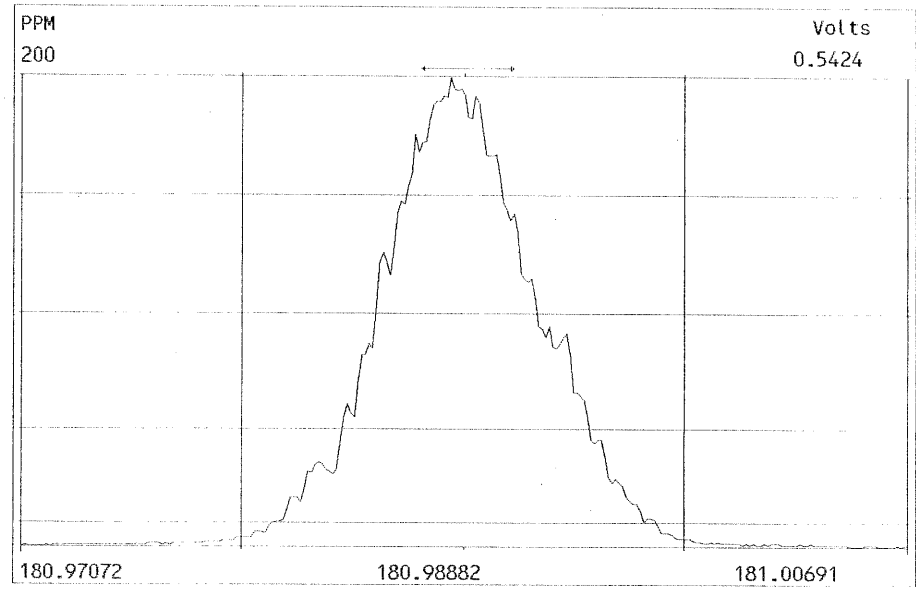
10.21.2020

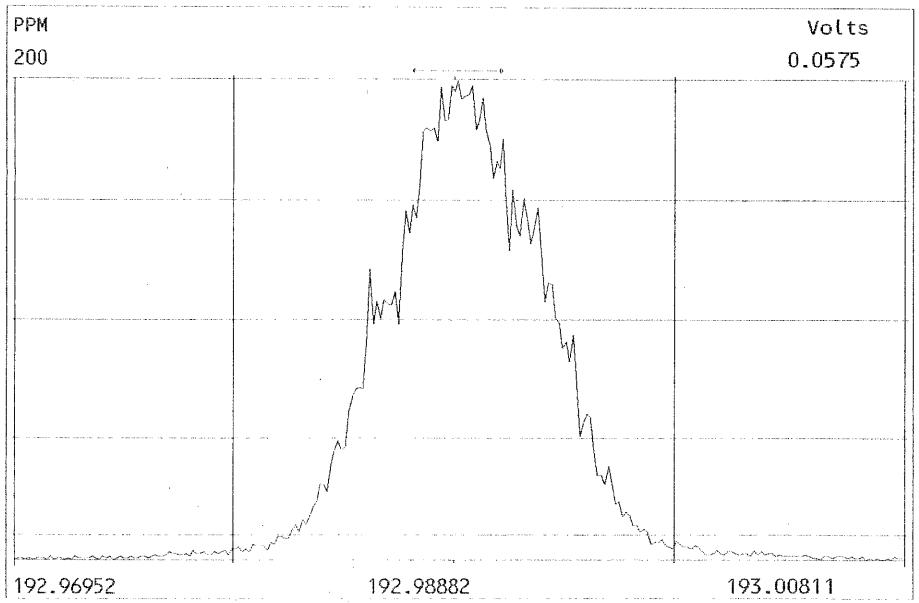
Data Backed Up:_____

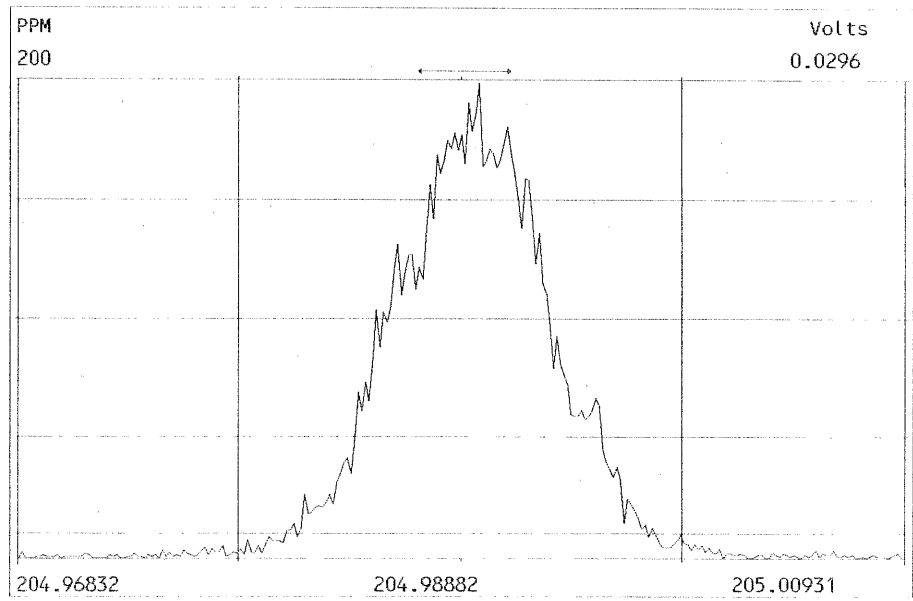
Date:_____

Peak Locate Examination:20-OCT-2020:08:35 File:20OCT20Z
Experiment:1668PCB Function:1 Reference:PFK



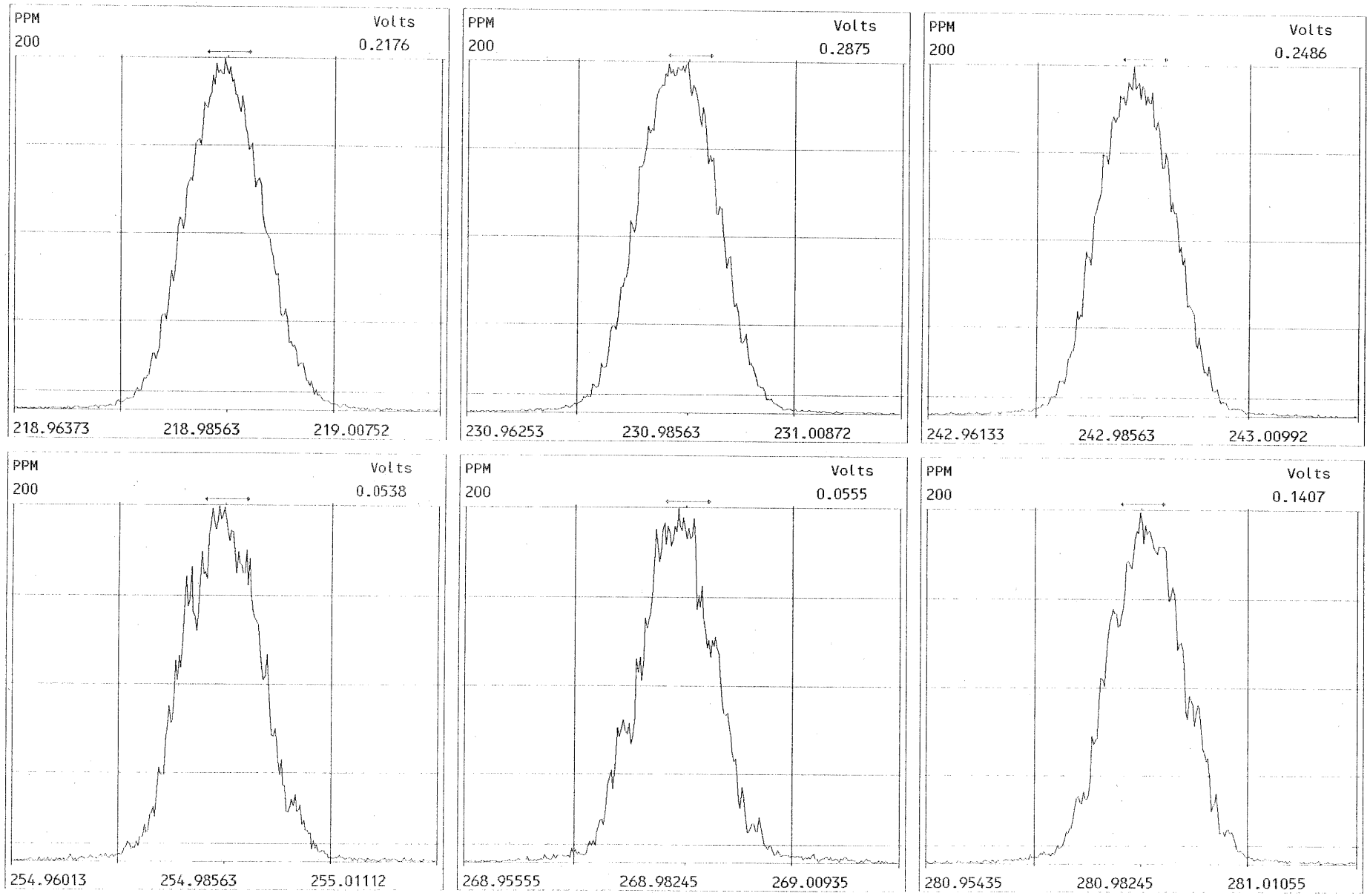




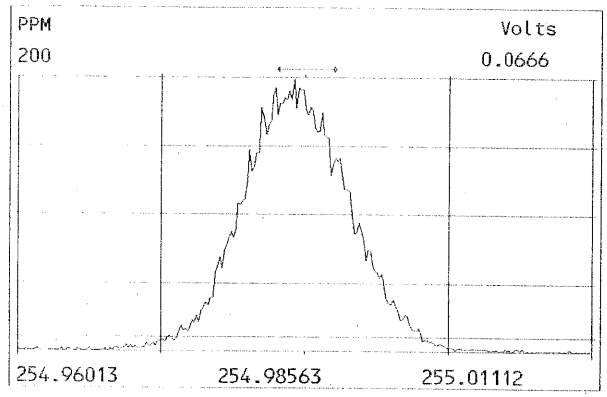


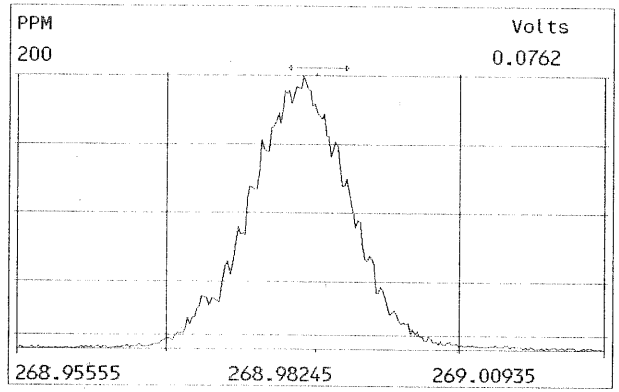
Peak Locate Examination:20-OCT-2020:08:35 File:20OCT20Z

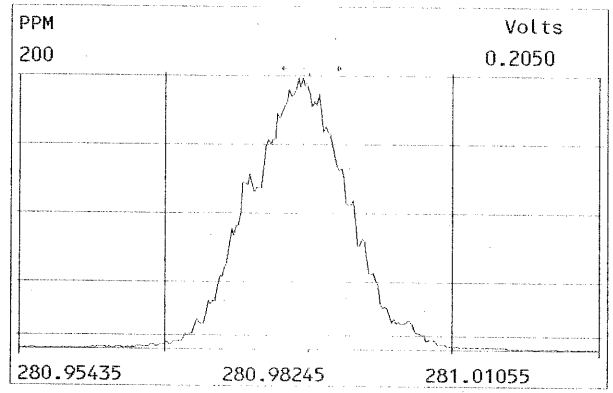
Experiment:1668PCB Function:2 Reference:PFK

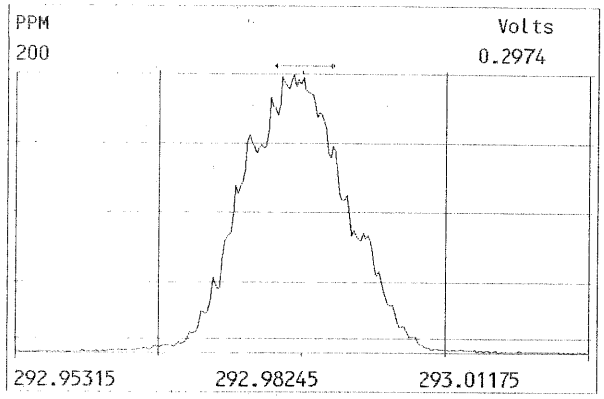


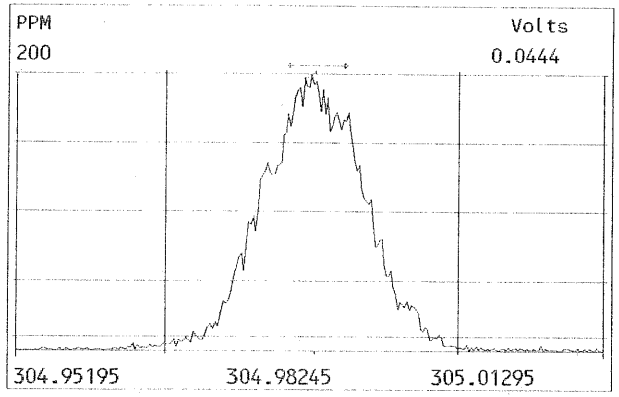
Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

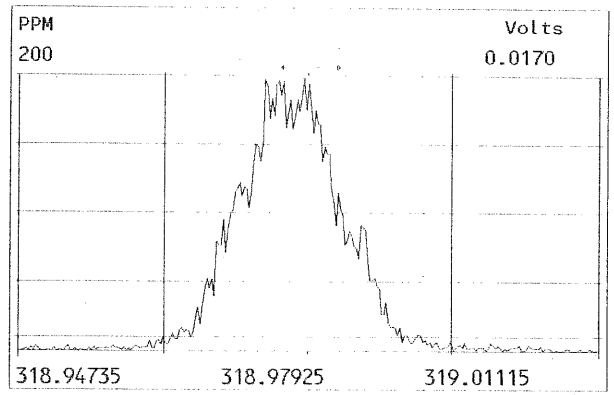


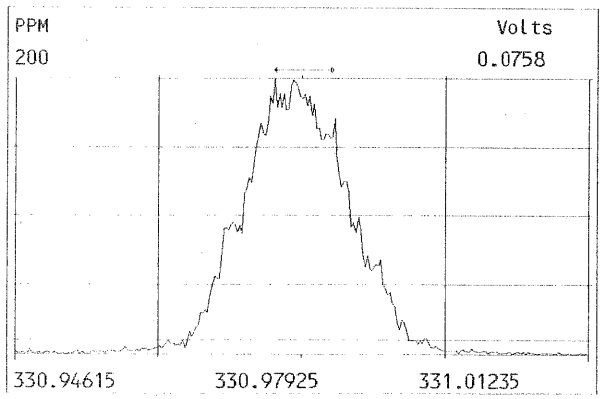


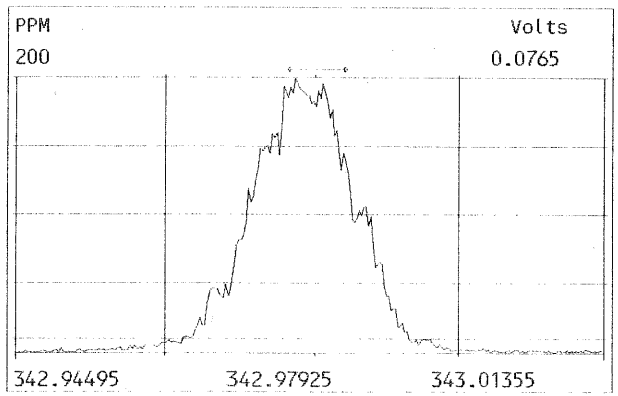






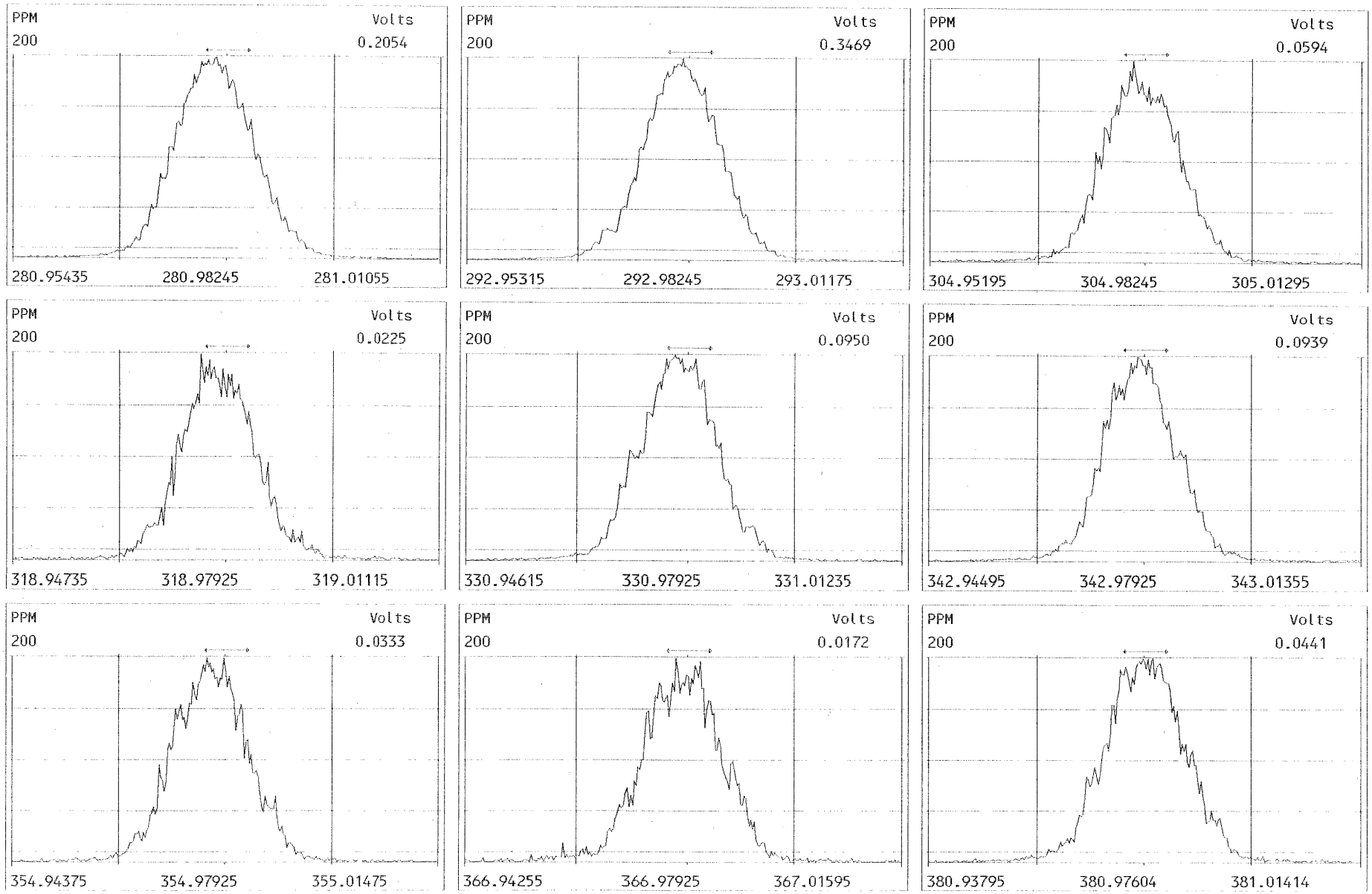




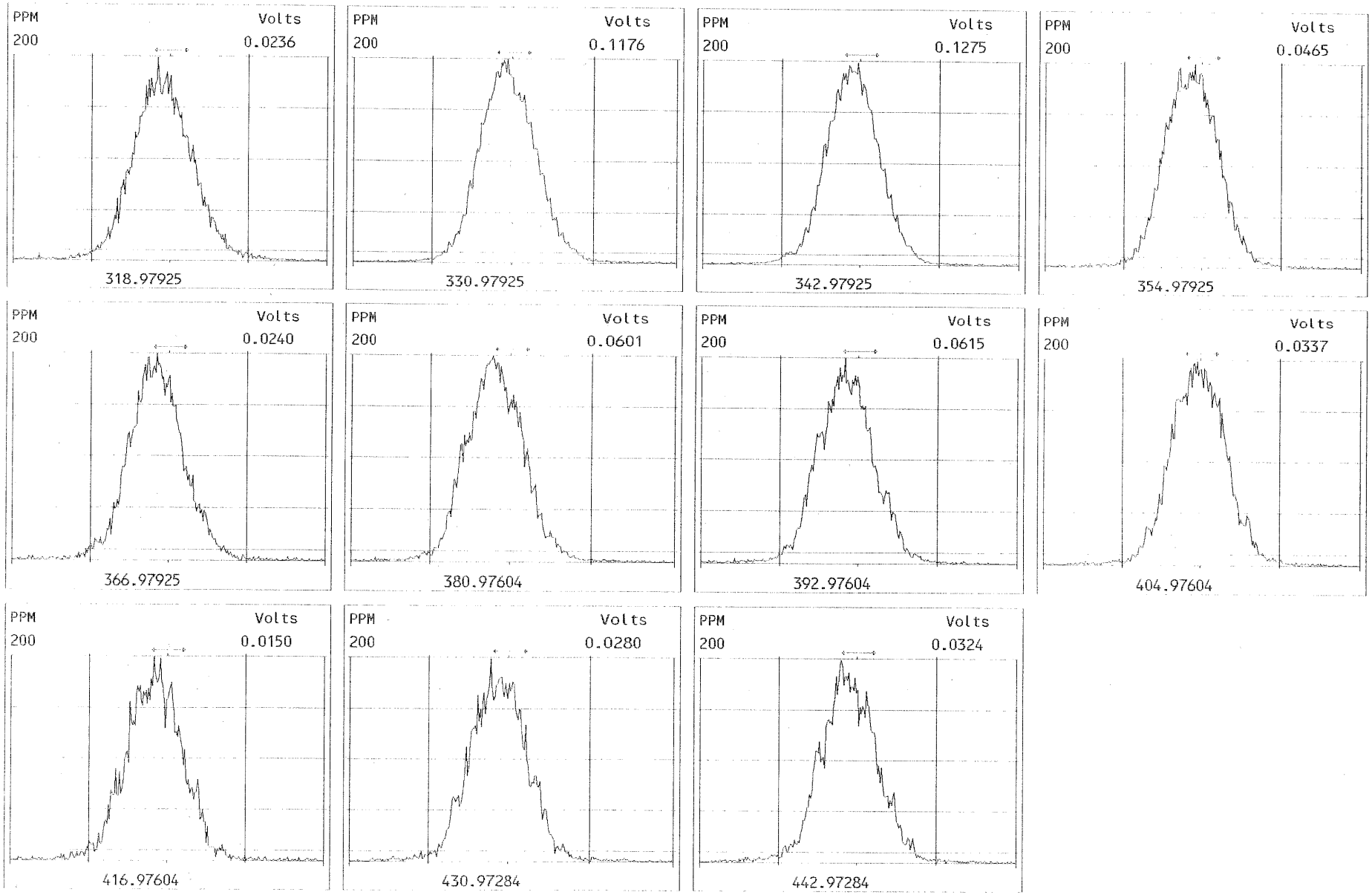


Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z

Experiment:1668PCB Function:4 Reference:PFK

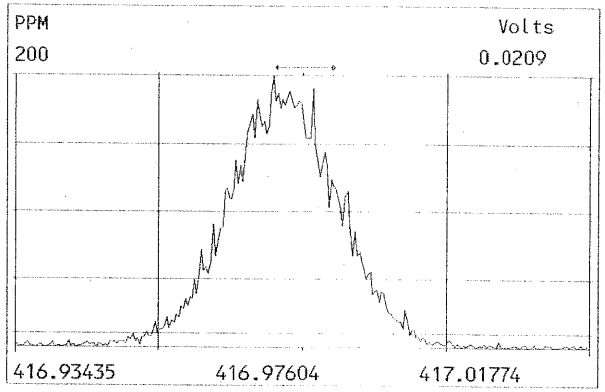


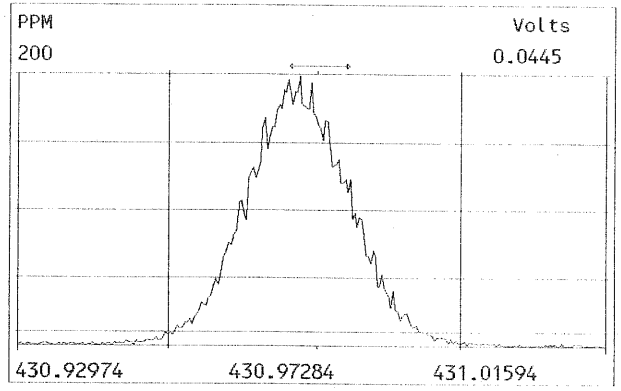
Peak Locate Examination:20-OCT-2020:08:36 File:20OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

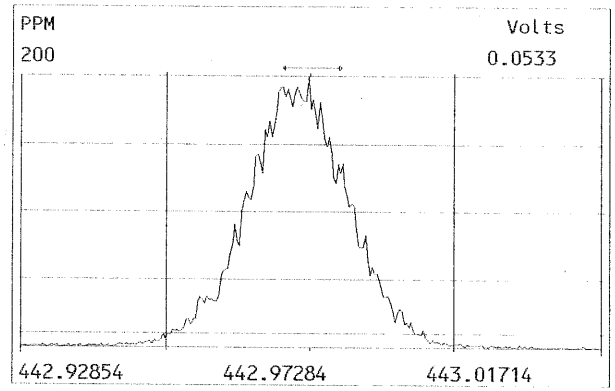


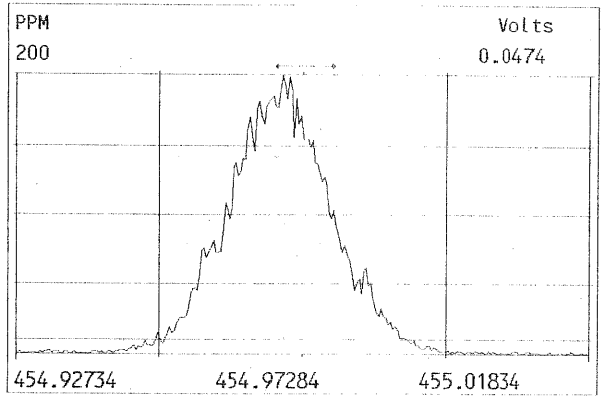
Peak Locate Examination:20-OCT-2020:08:37 File:20OCT20Z

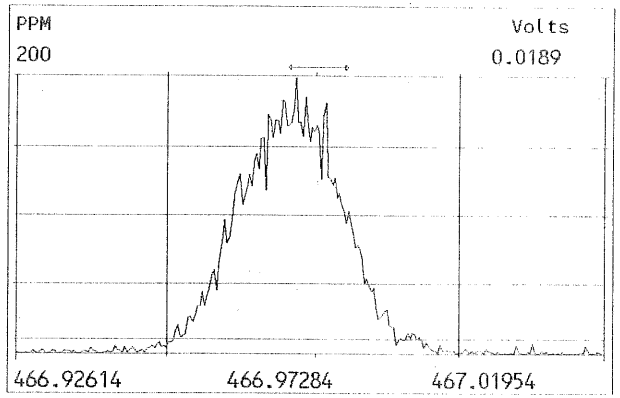
Experiment:1668PCB Function:6 Reference:PFK

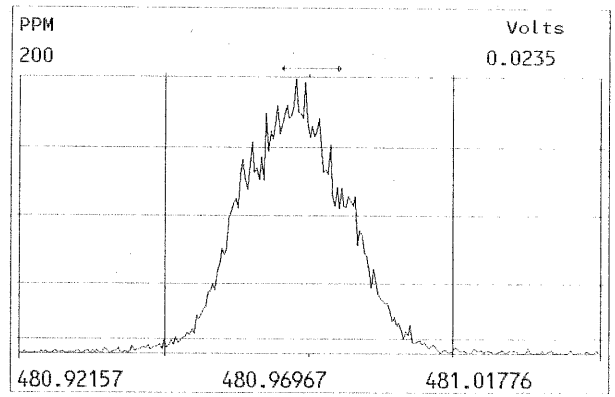


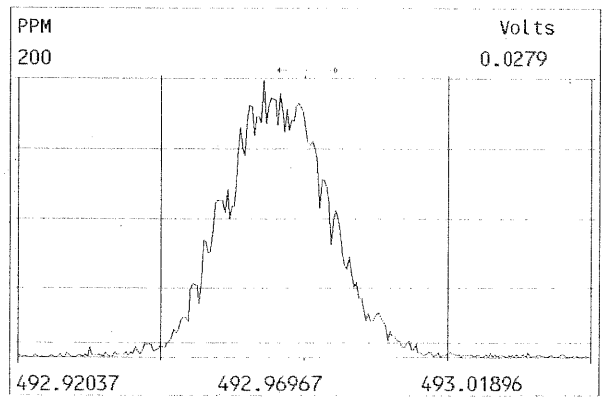


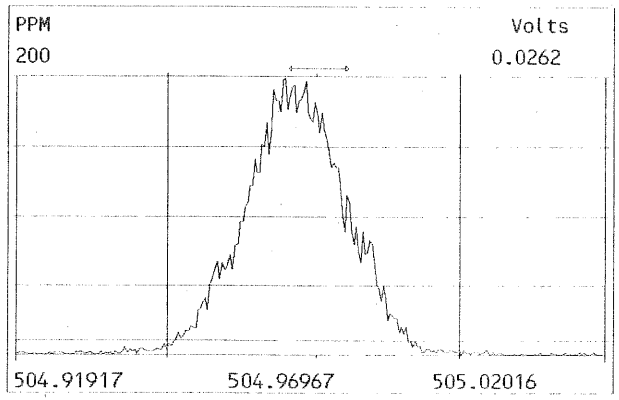


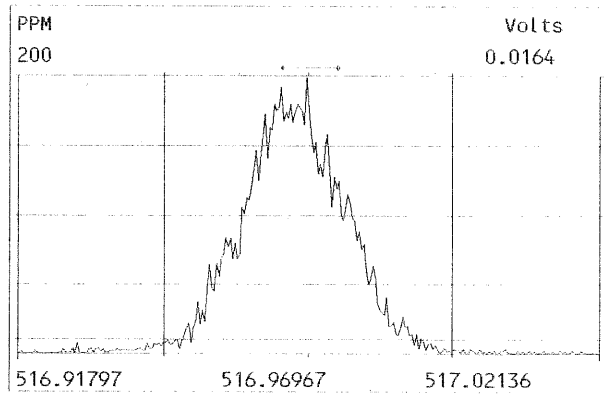




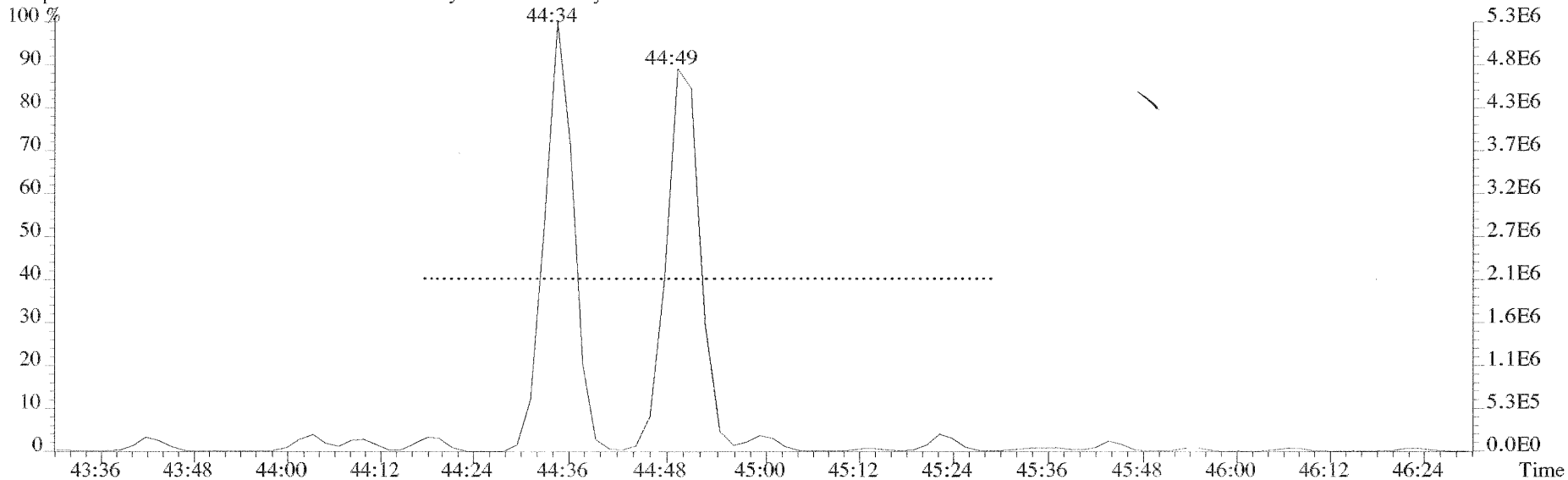




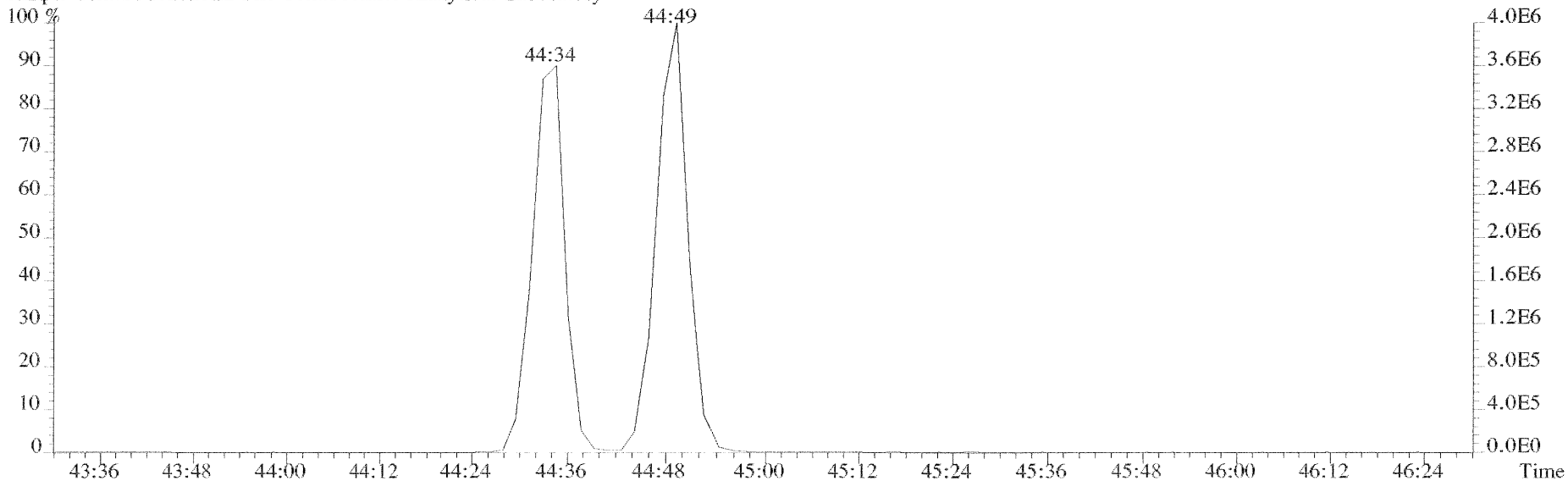




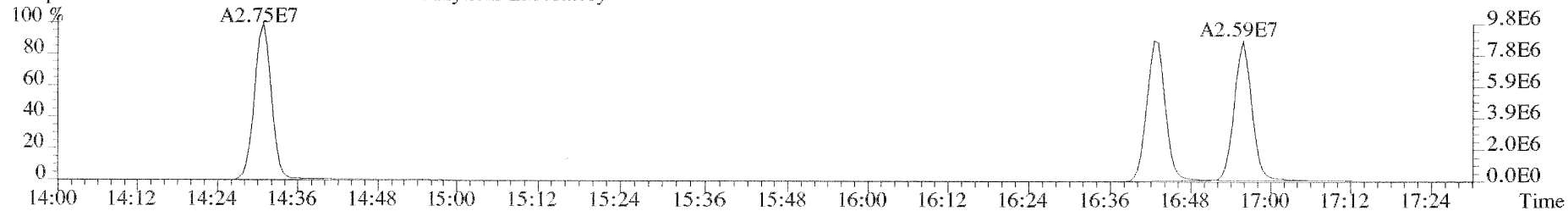
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



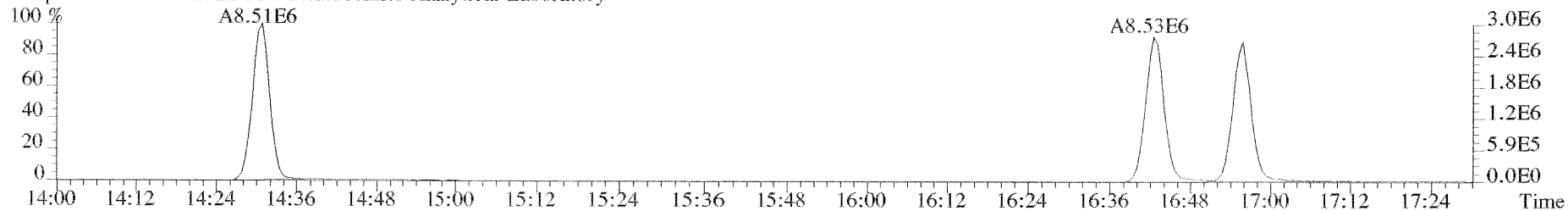
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



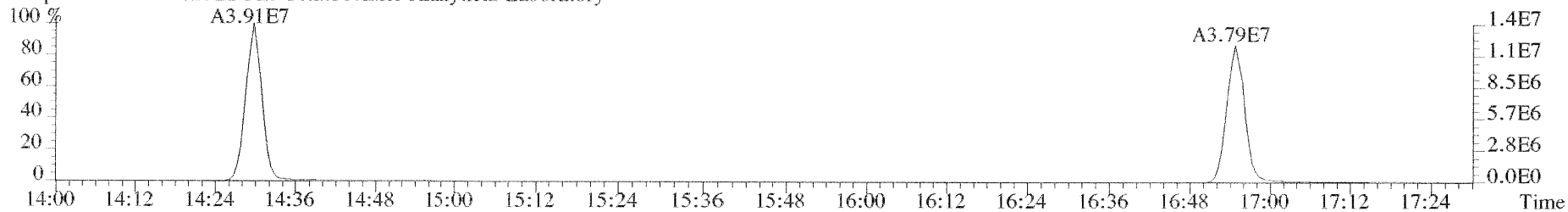
File:20OCT20Z #1-783 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



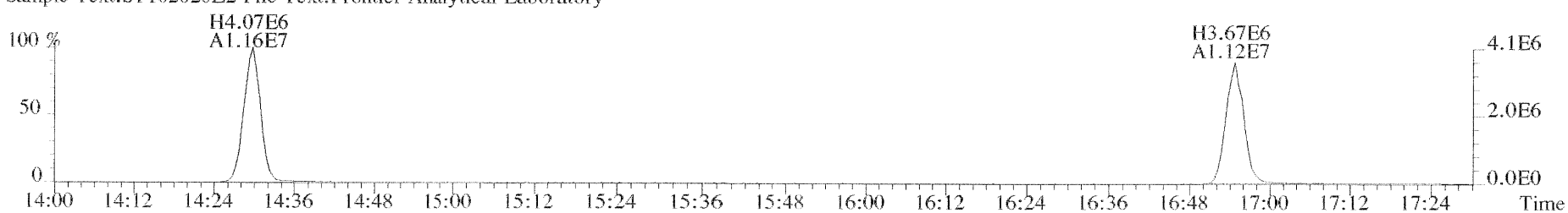
File:20OCT20Z #1-783 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



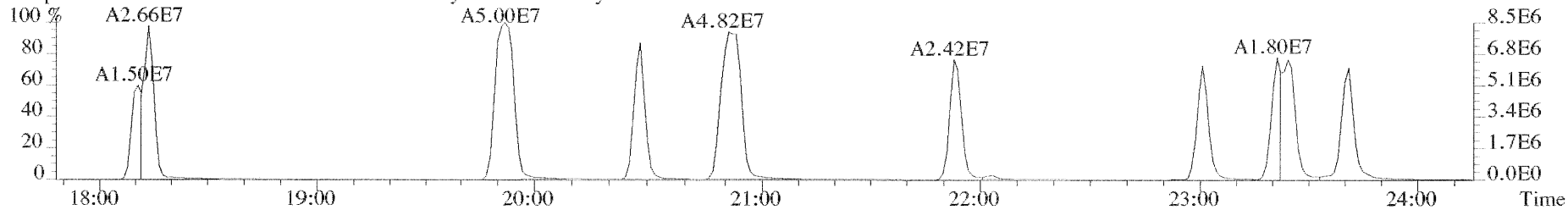
File:20OCT20Z #1-783 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



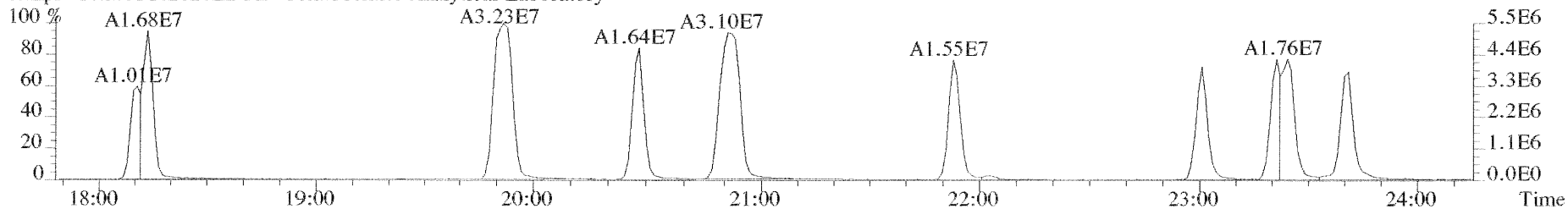
File:20OCT20Z #1-783 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



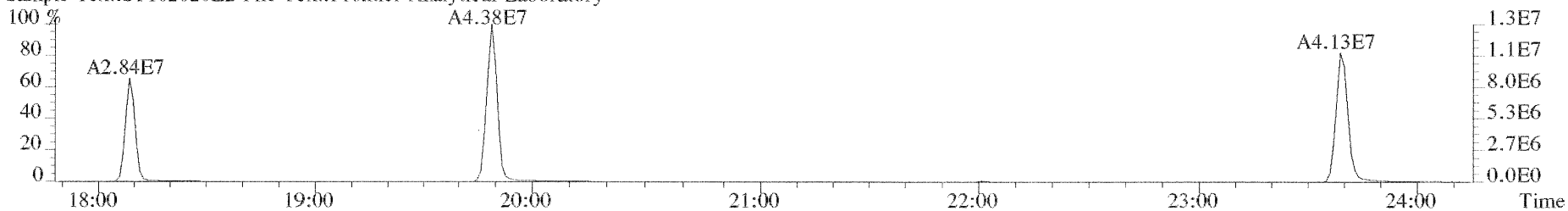
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



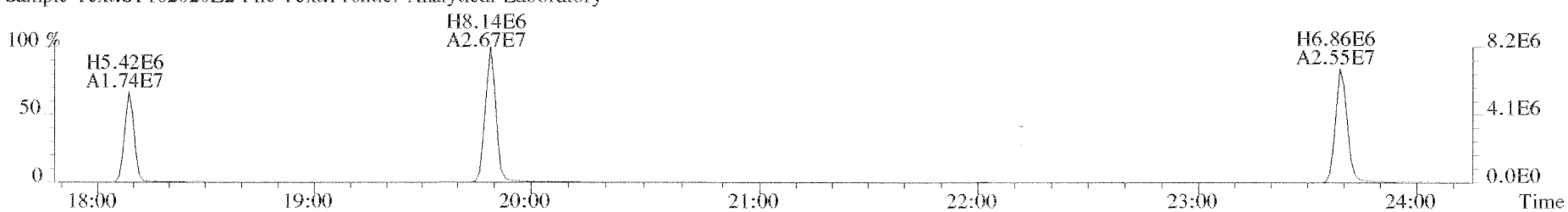
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



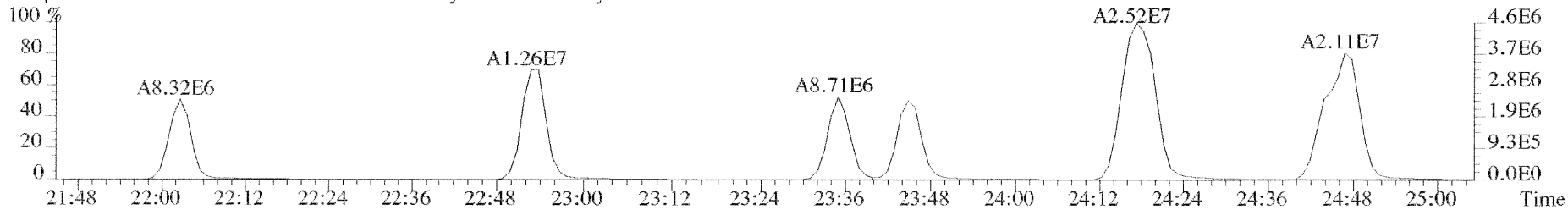
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



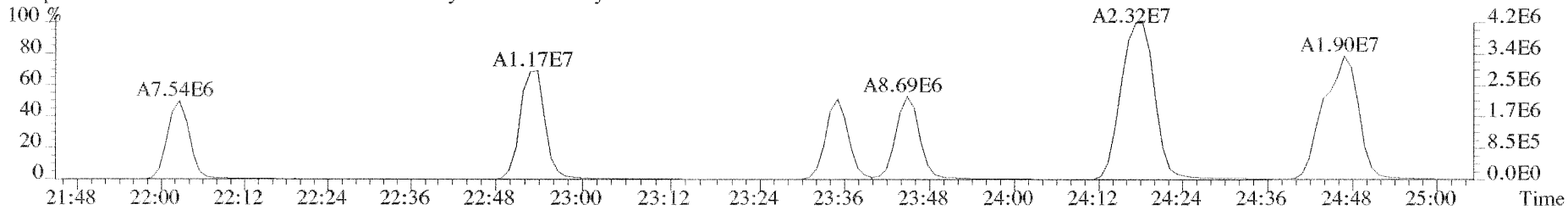
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



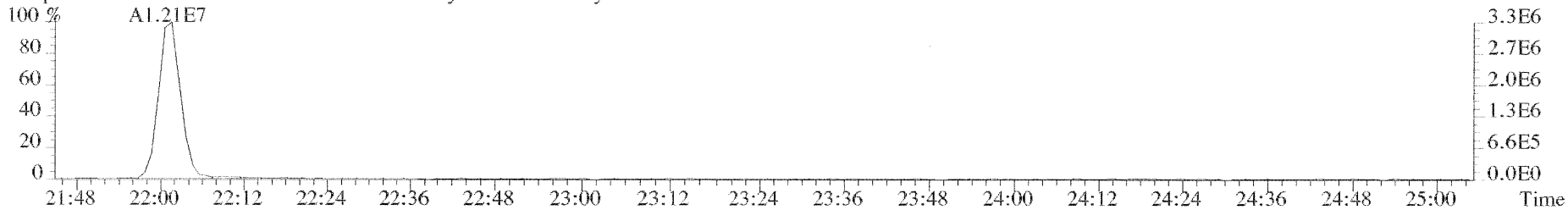
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



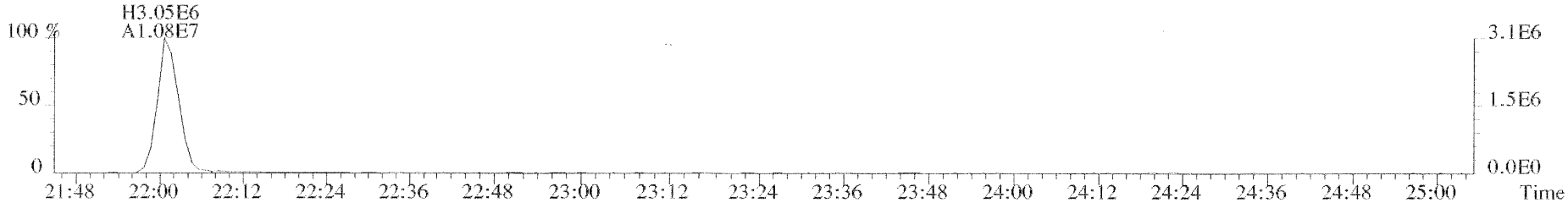
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



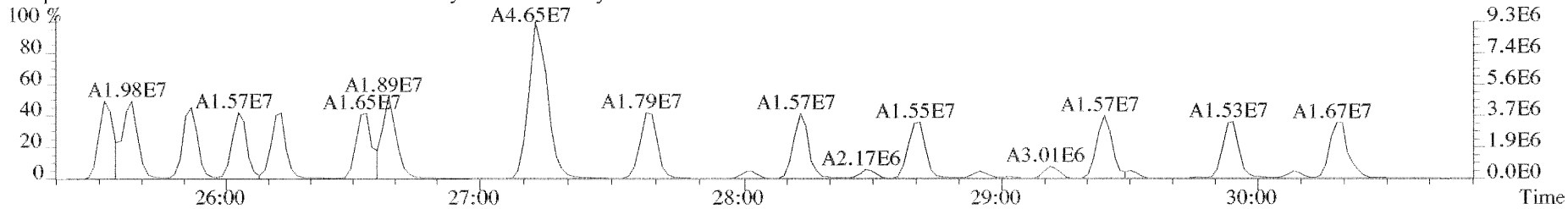
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



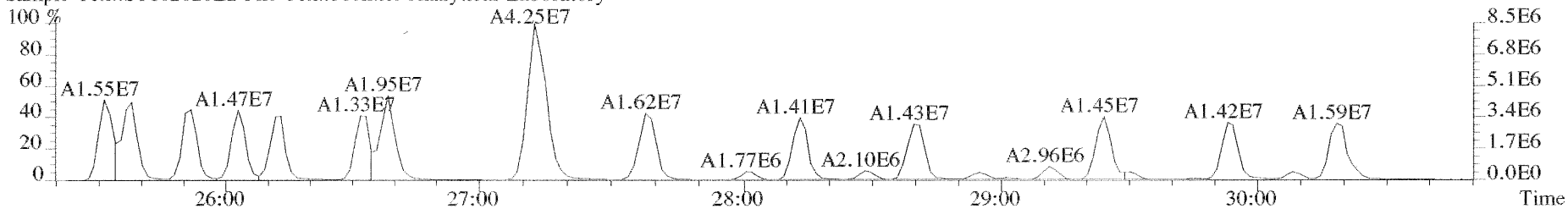
File:20OCT20Z #1-467 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



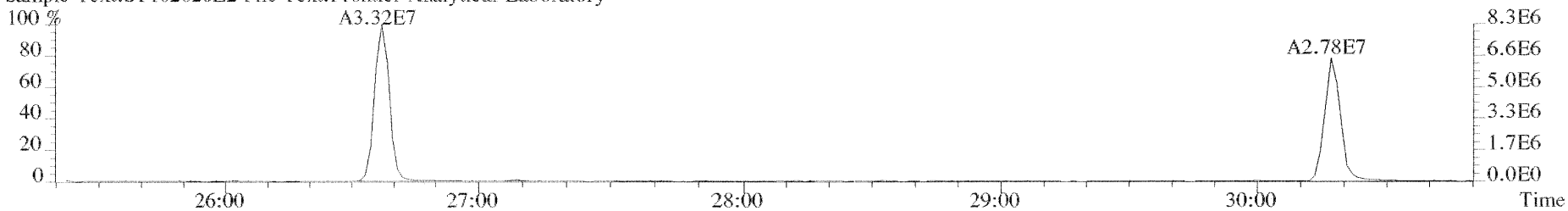
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



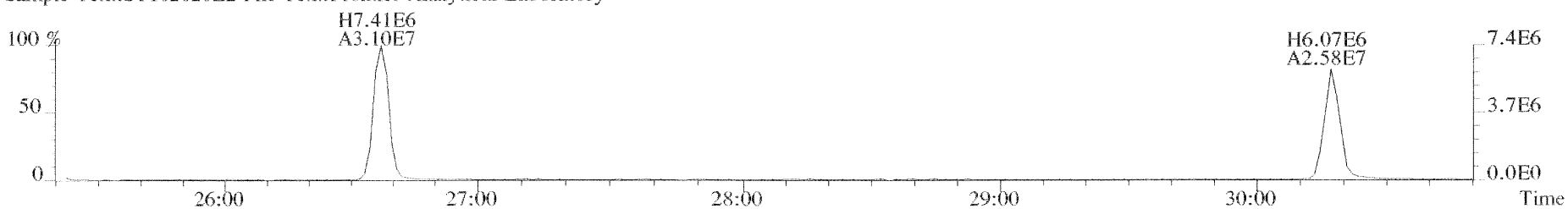
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



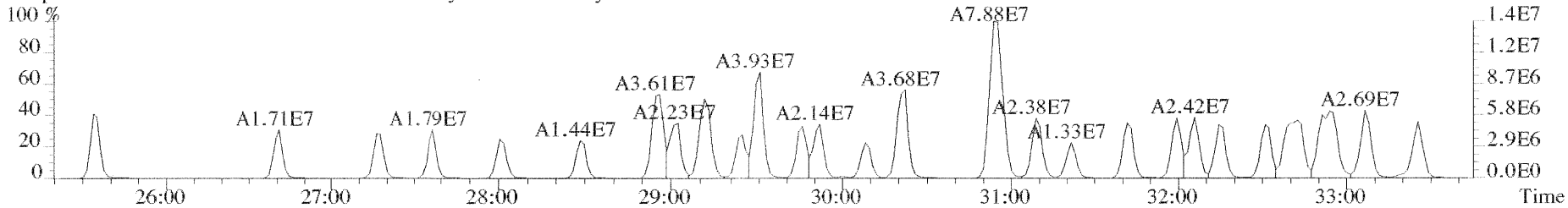
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



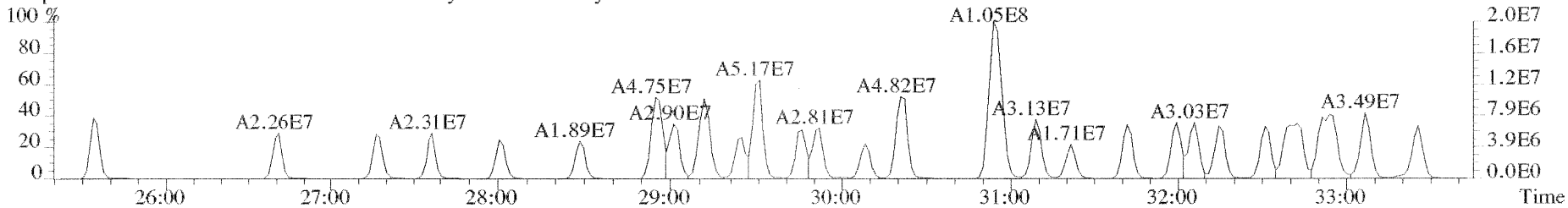
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



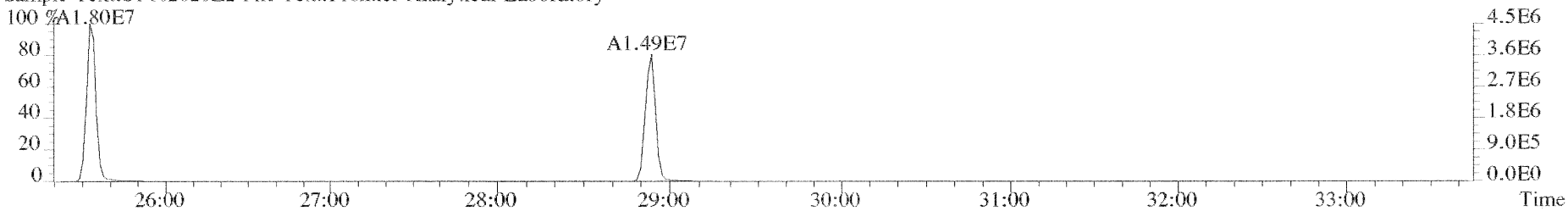
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



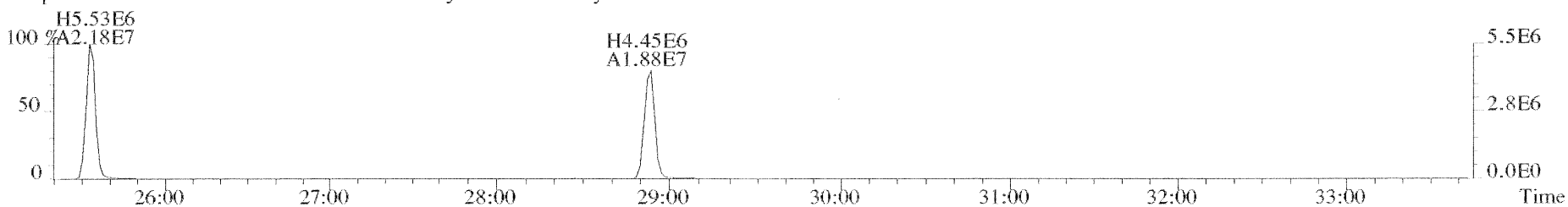
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



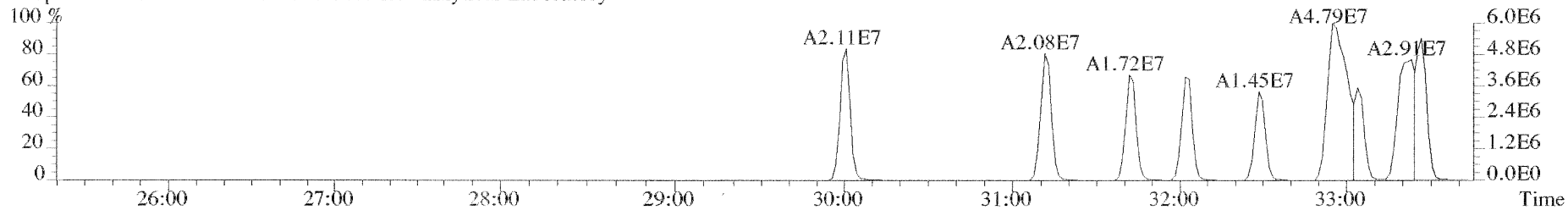
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



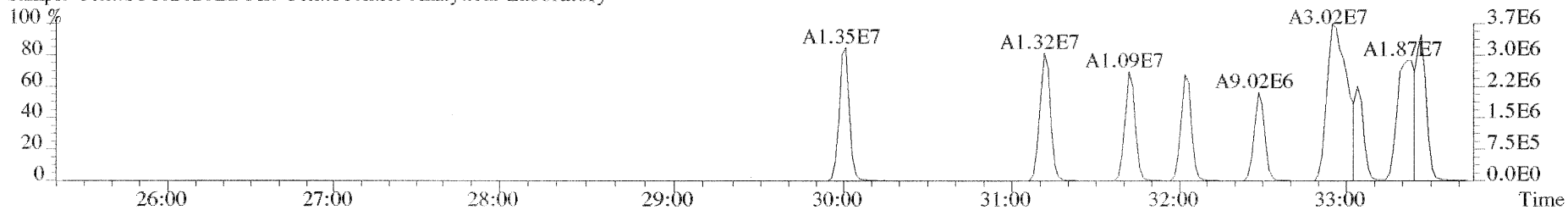
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



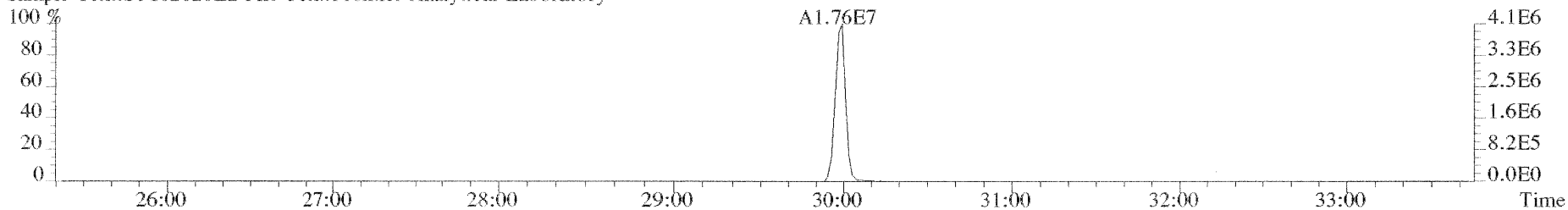
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



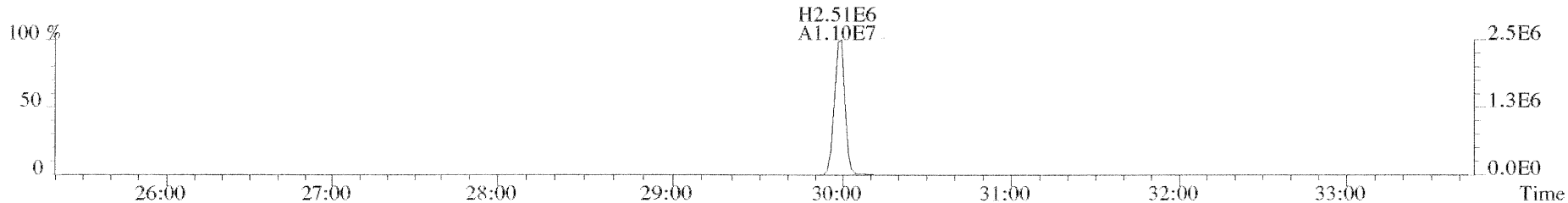
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



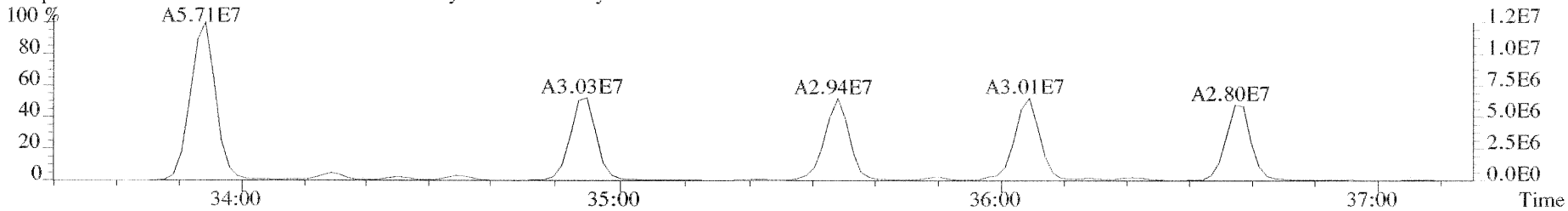
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



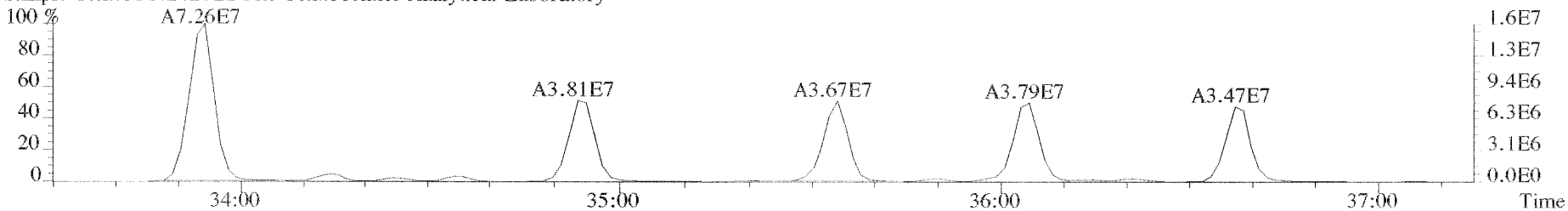
File:20OCT20Z #1-397 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



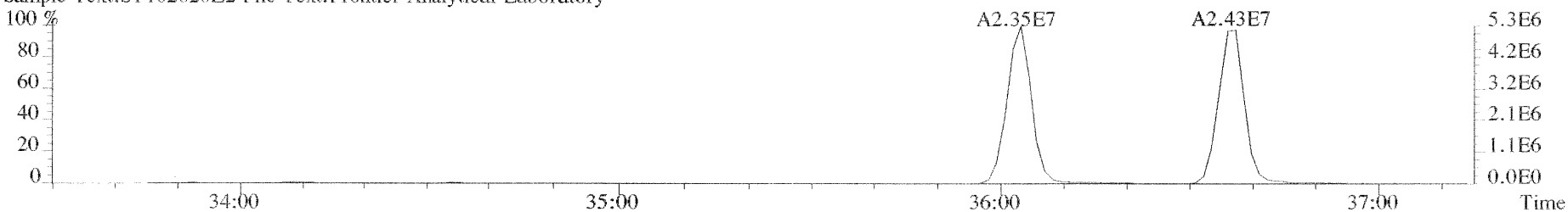
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



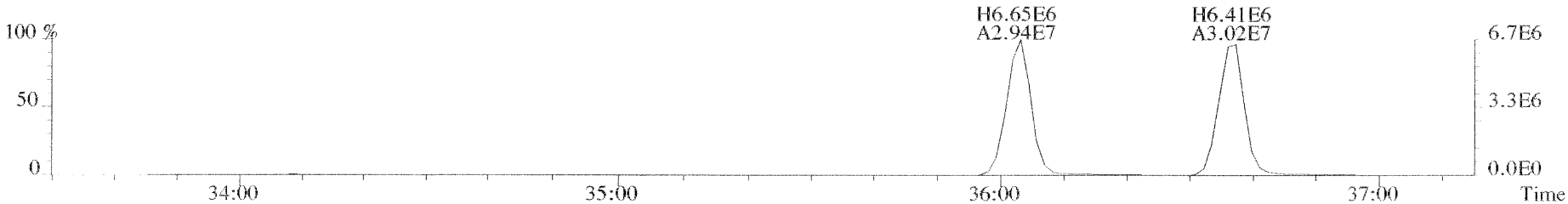
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



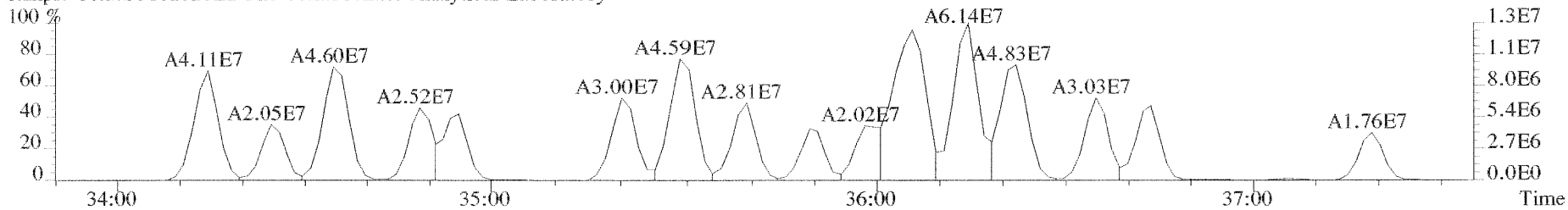
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



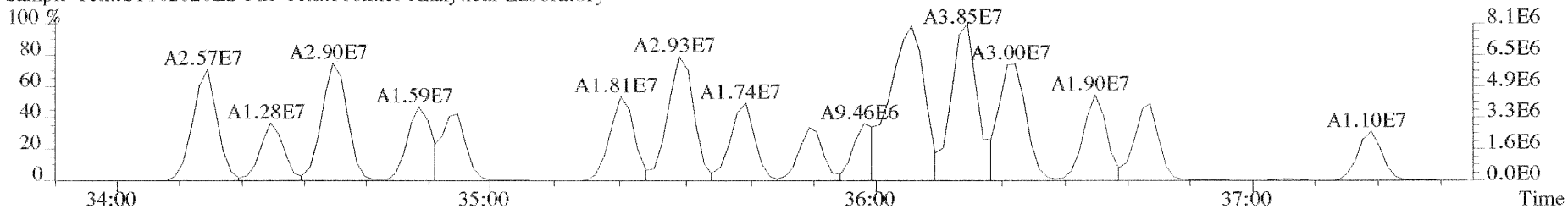
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



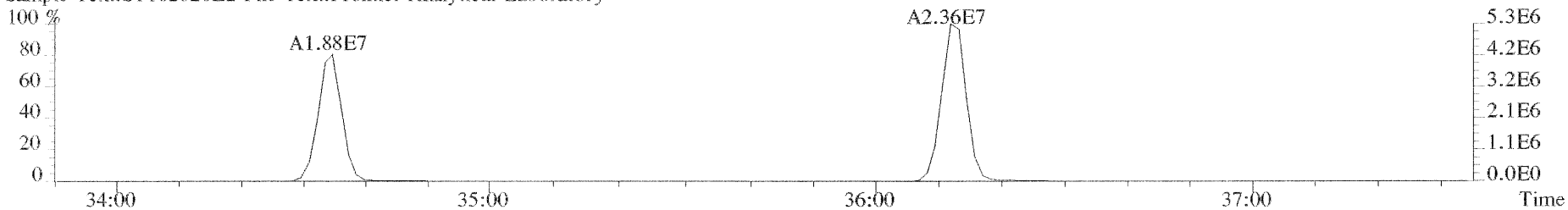
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



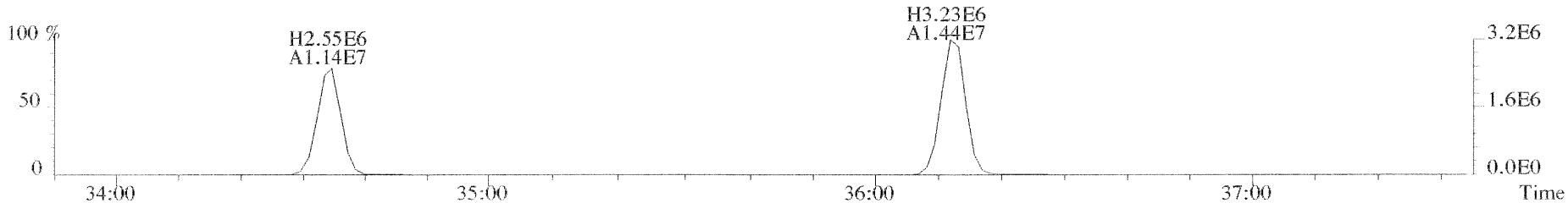
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



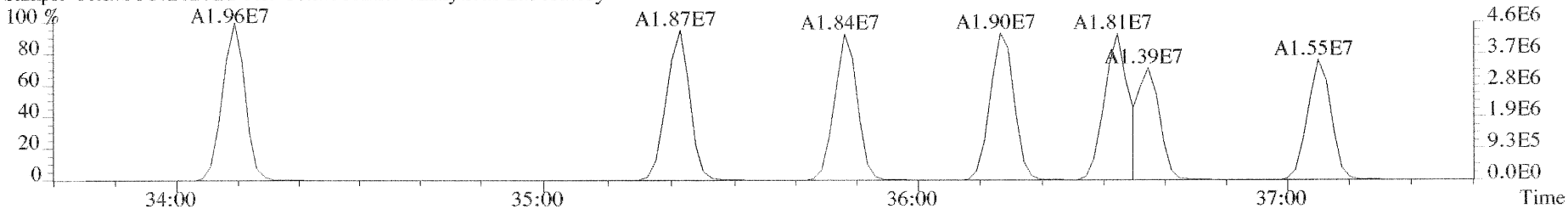
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



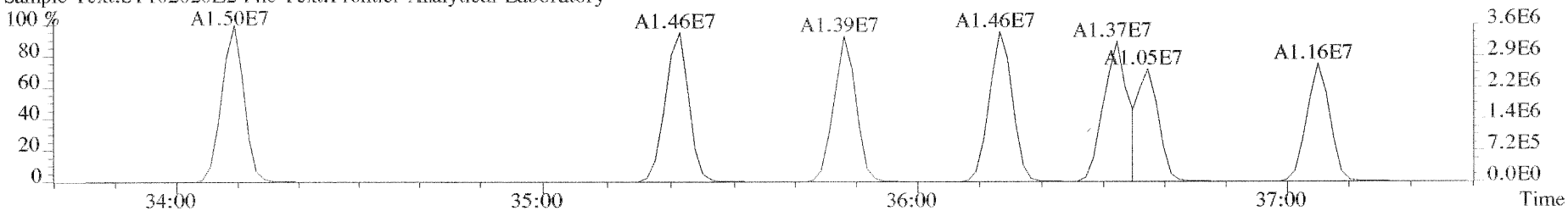
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



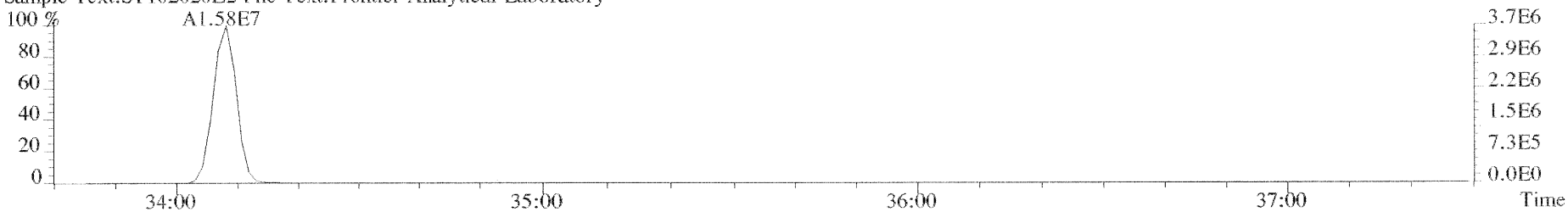
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



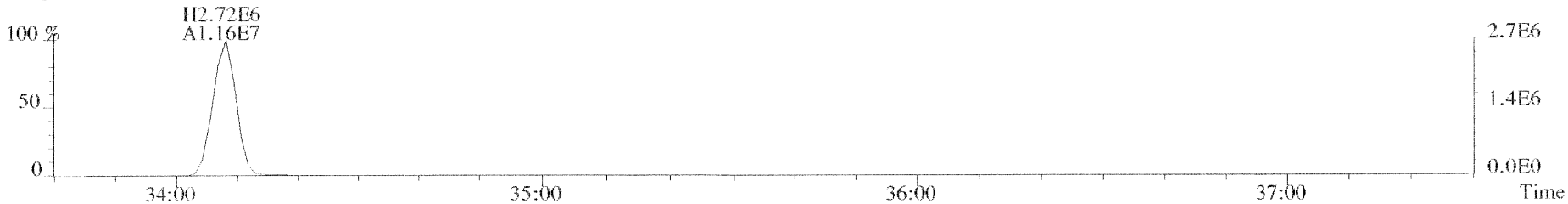
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



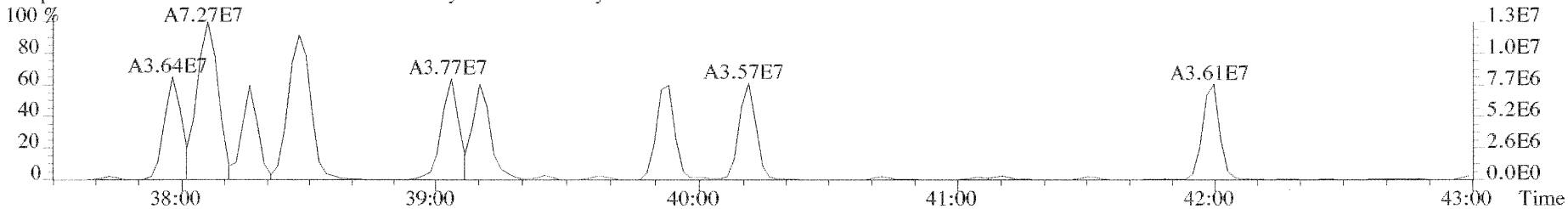
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



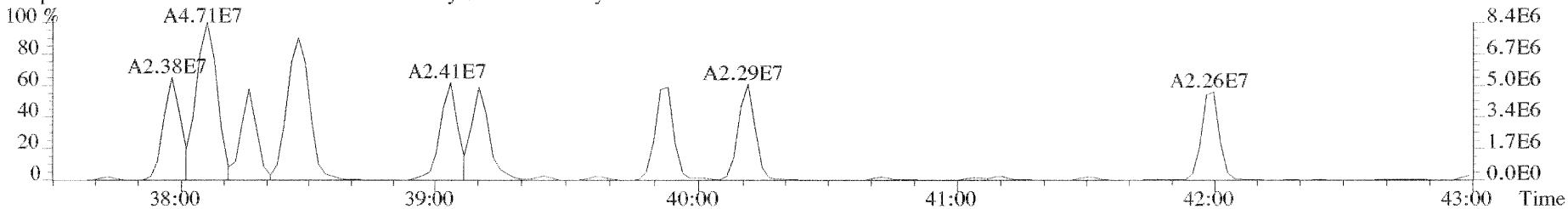
File:20OCT20Z #1-183 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



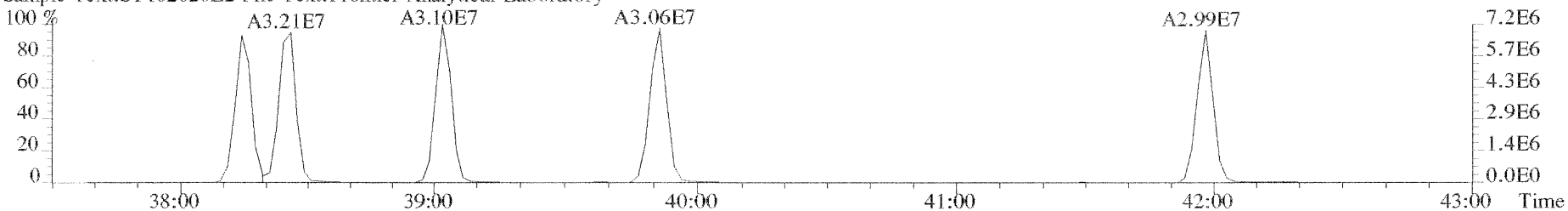
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



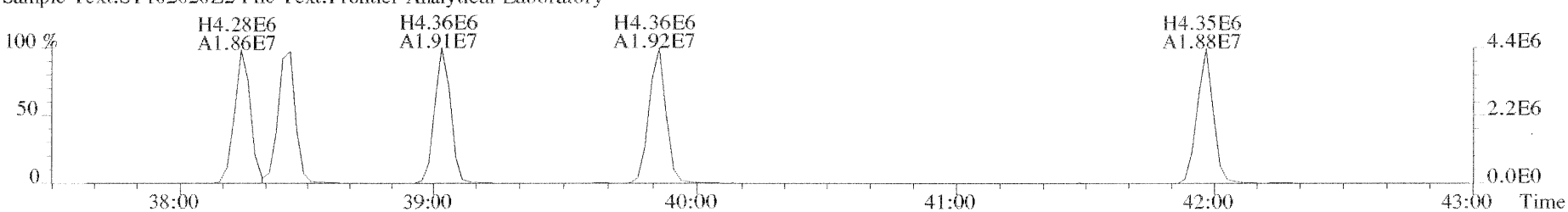
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



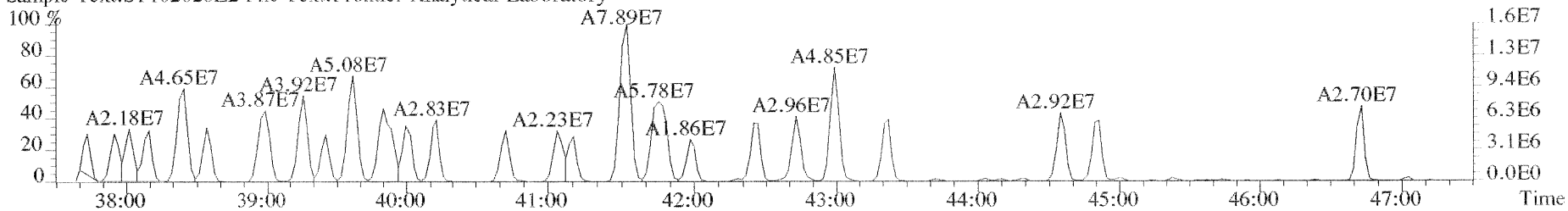
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



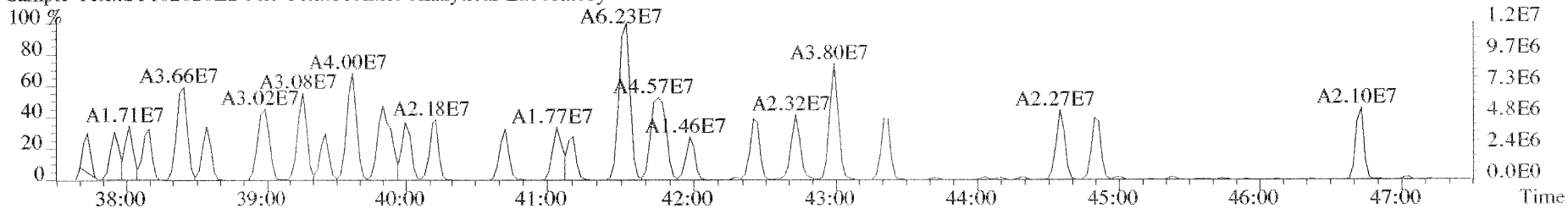
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



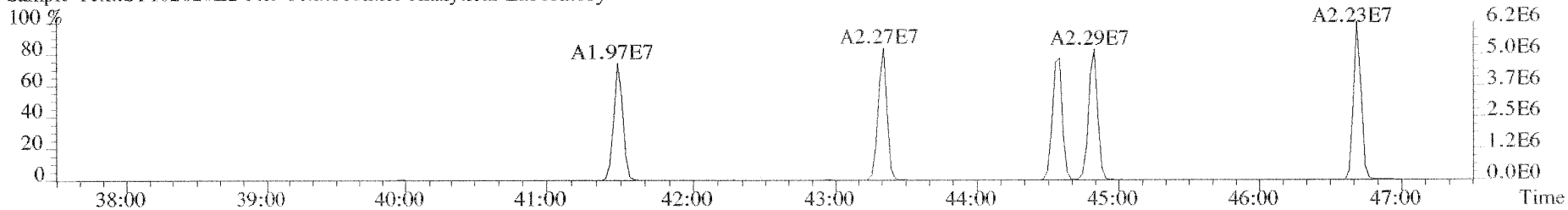
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



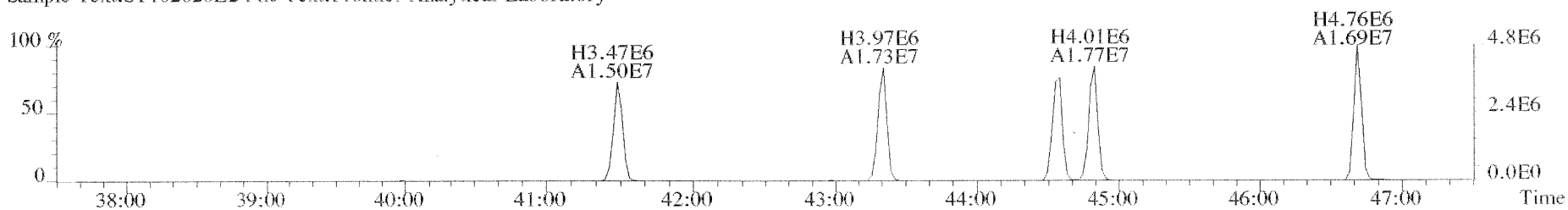
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



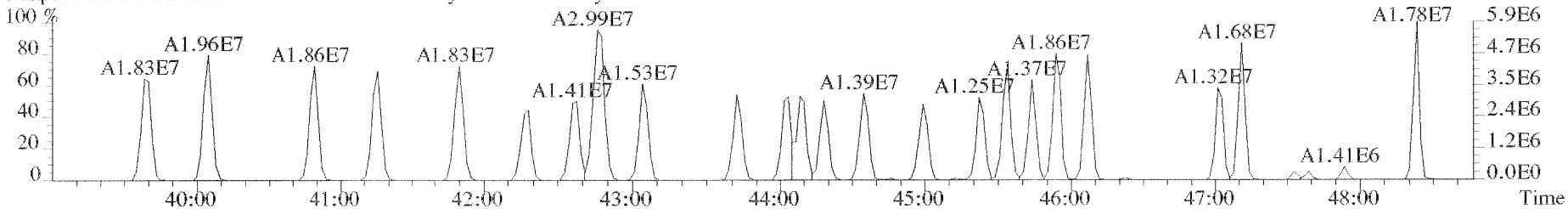
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



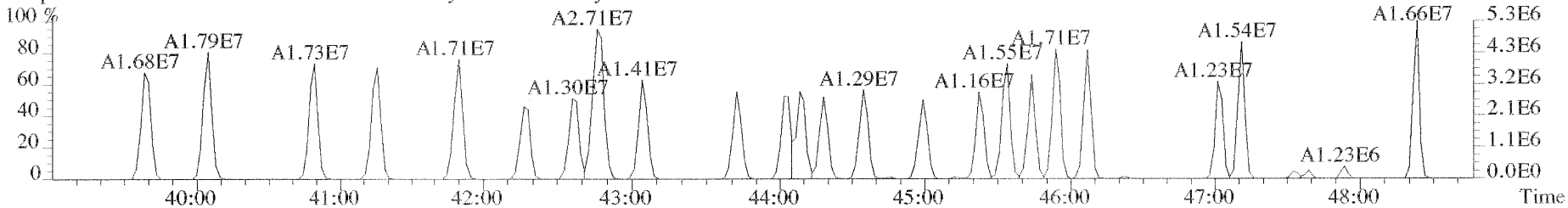
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



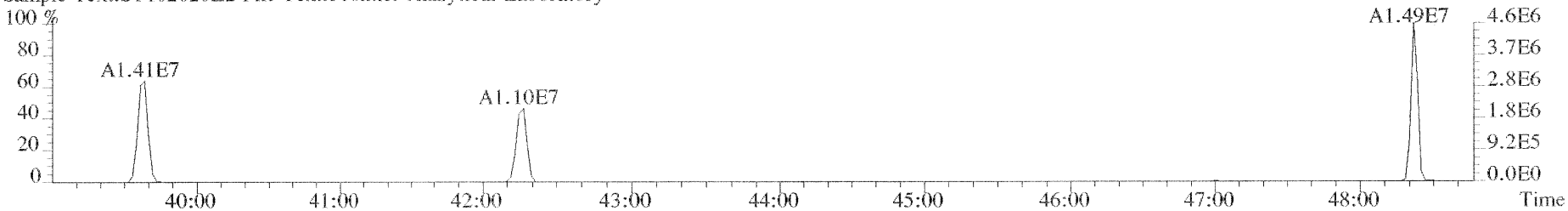
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



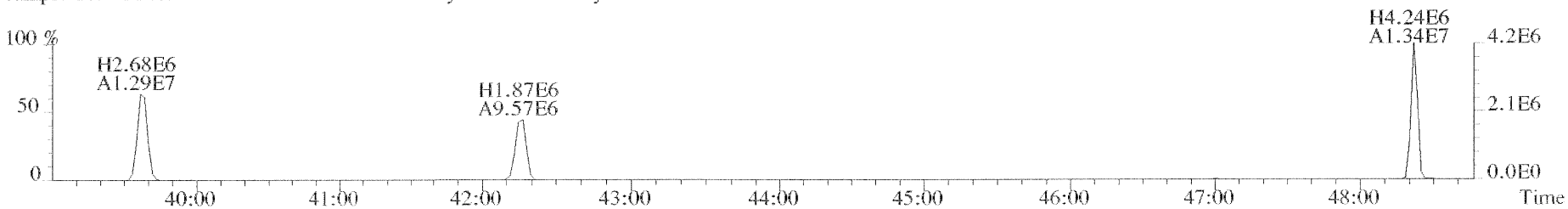
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



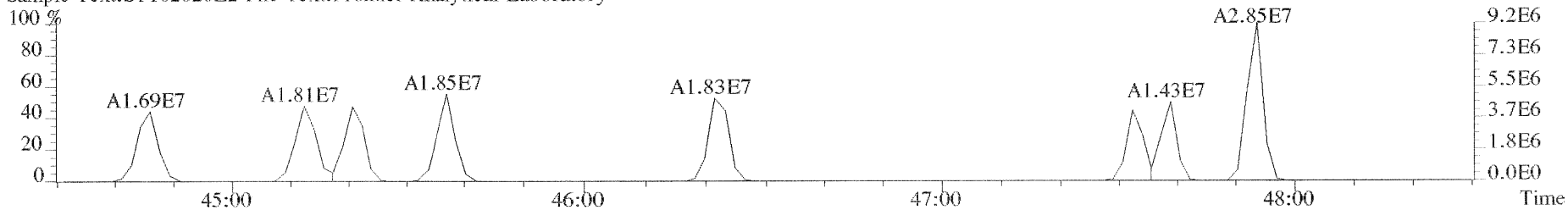
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



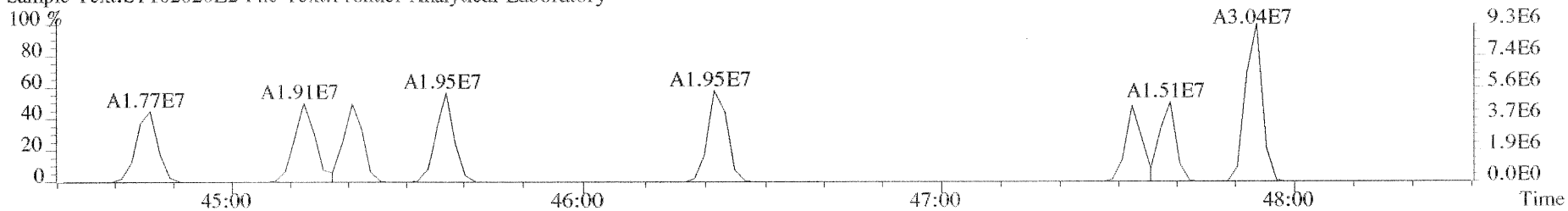
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



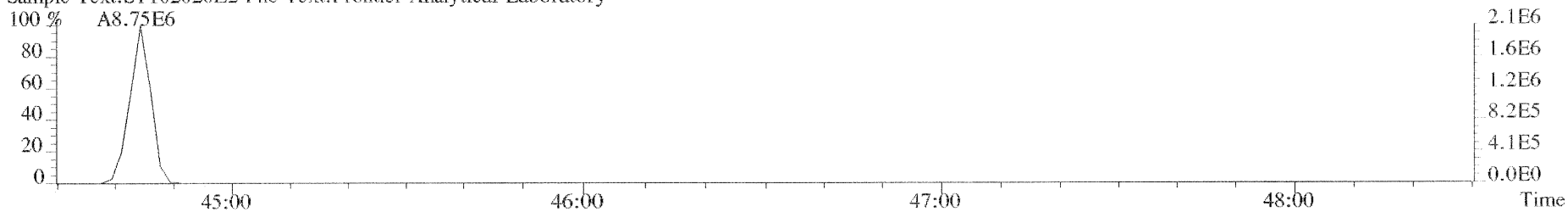
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



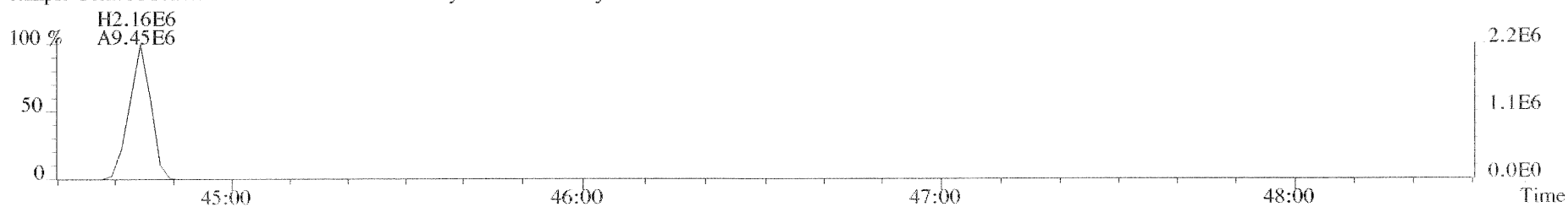
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



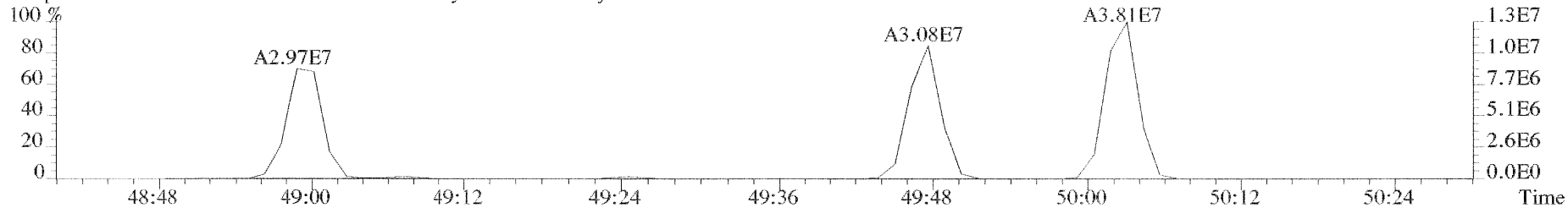
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



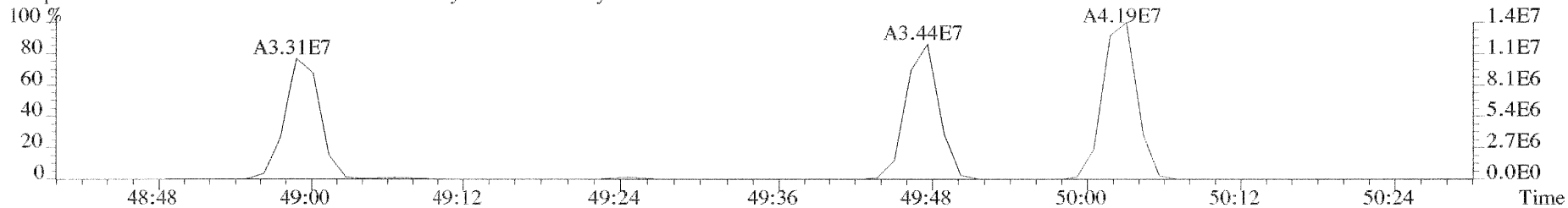
File:20OCT20Z #1-407 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



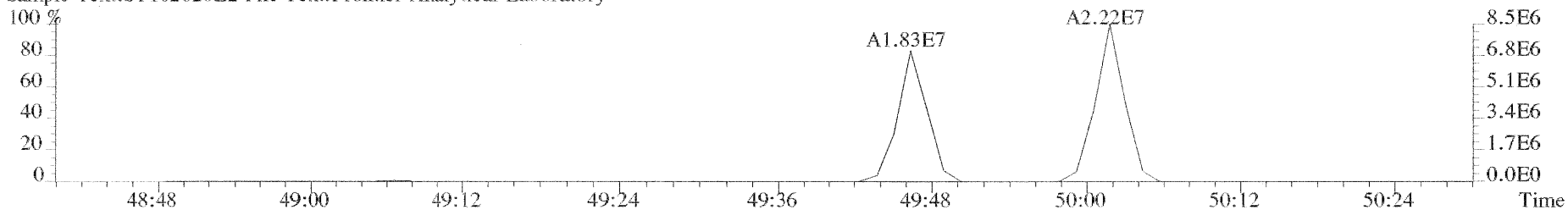
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



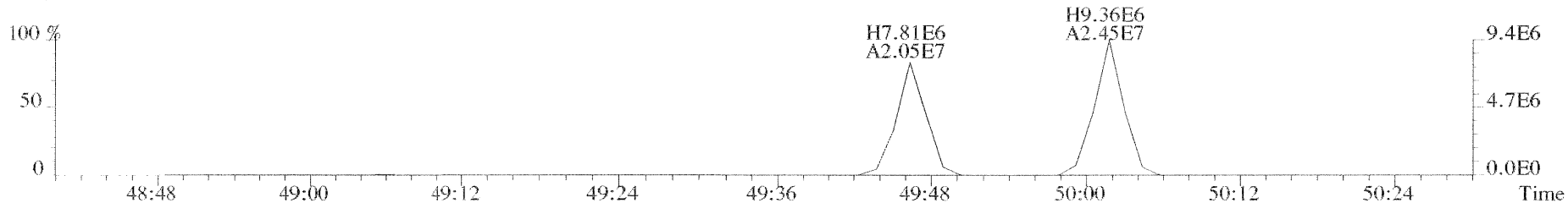
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



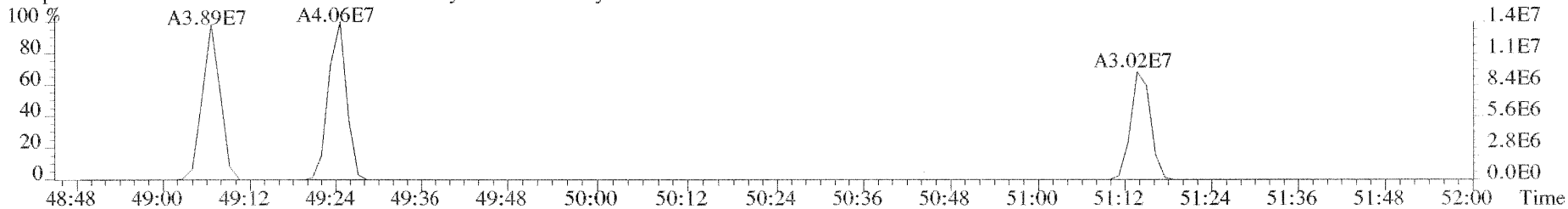
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



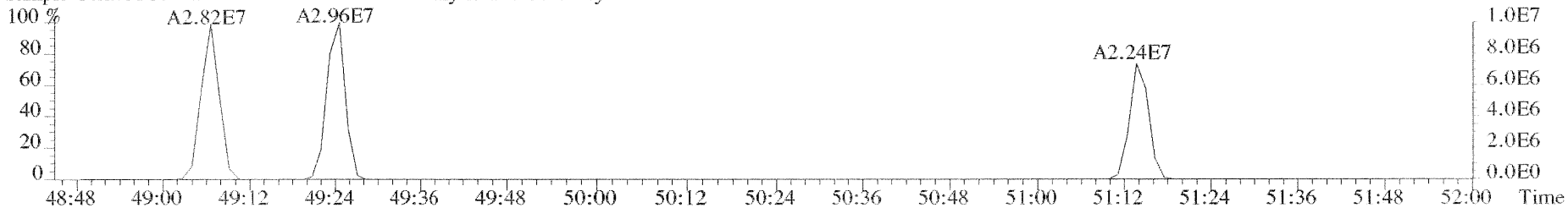
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



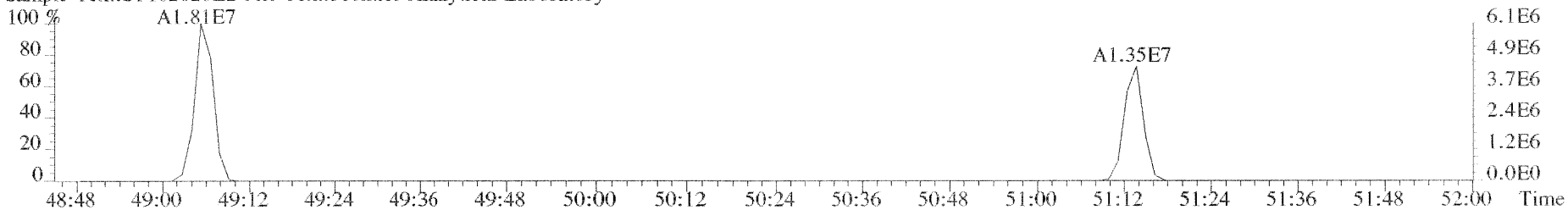
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



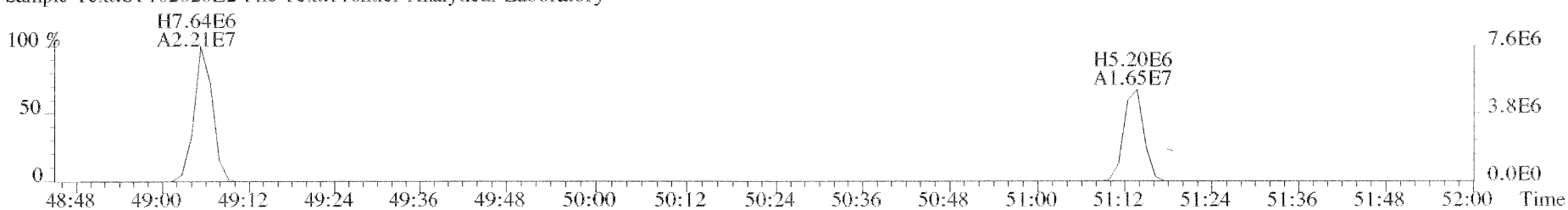
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



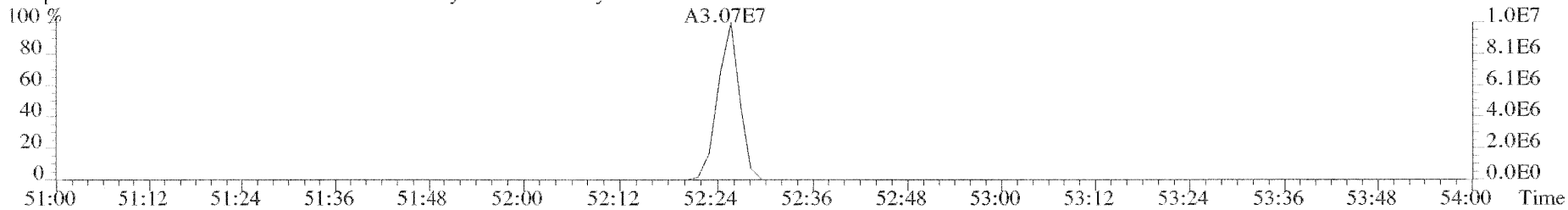
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



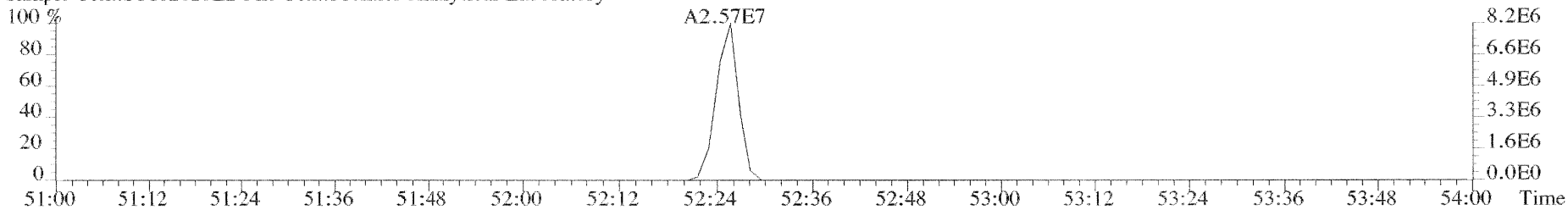
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



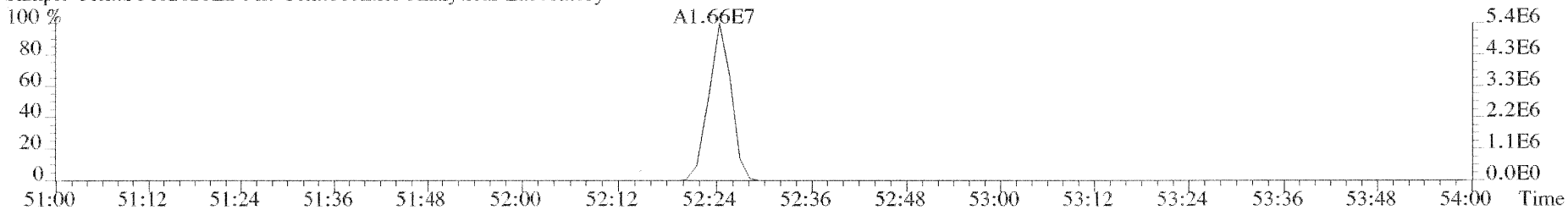
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



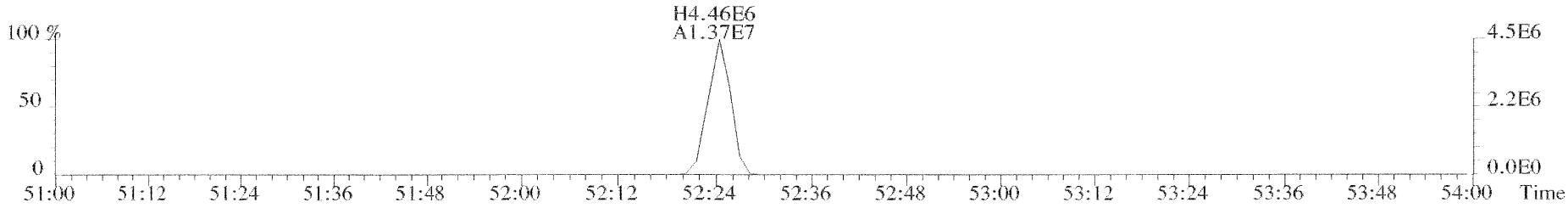
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory



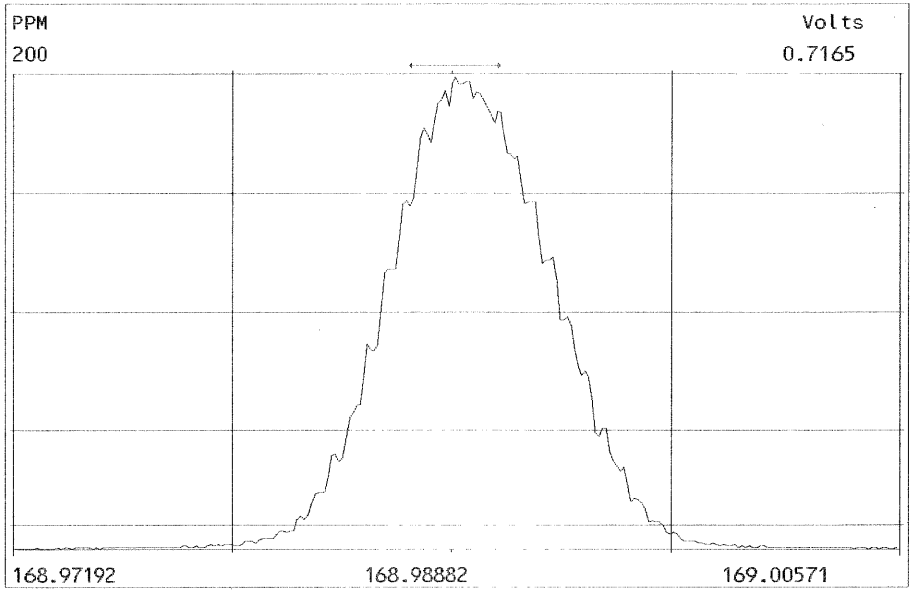
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory

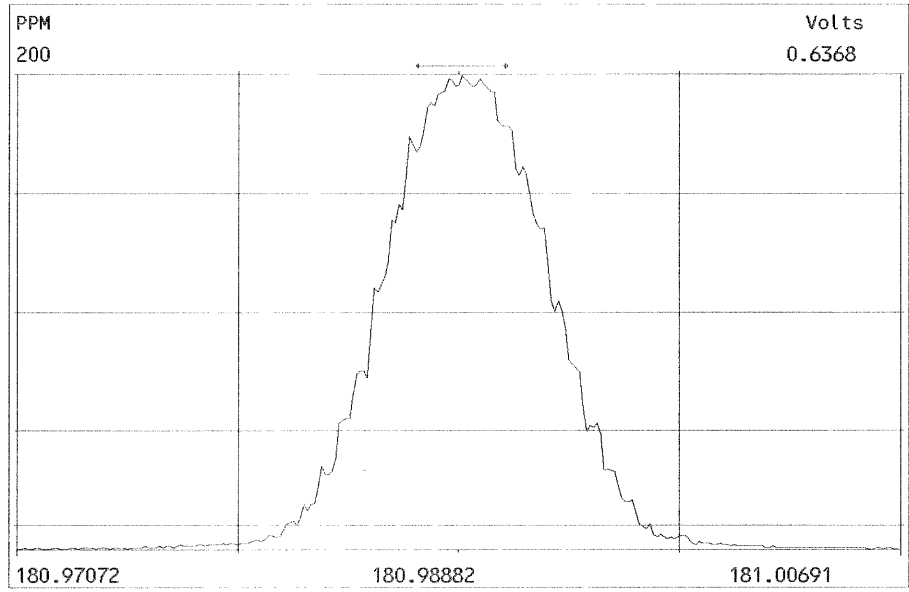


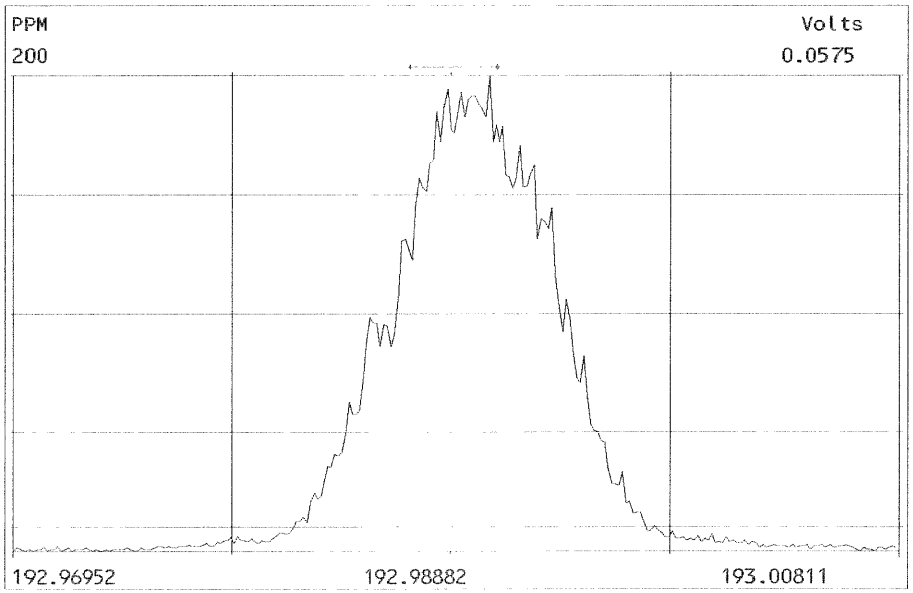
File:20OCT20Z #1-314 Acq:20-OCT-2020 22:18:04 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102020Z2 File Text:Frontier Analytical Laboratory

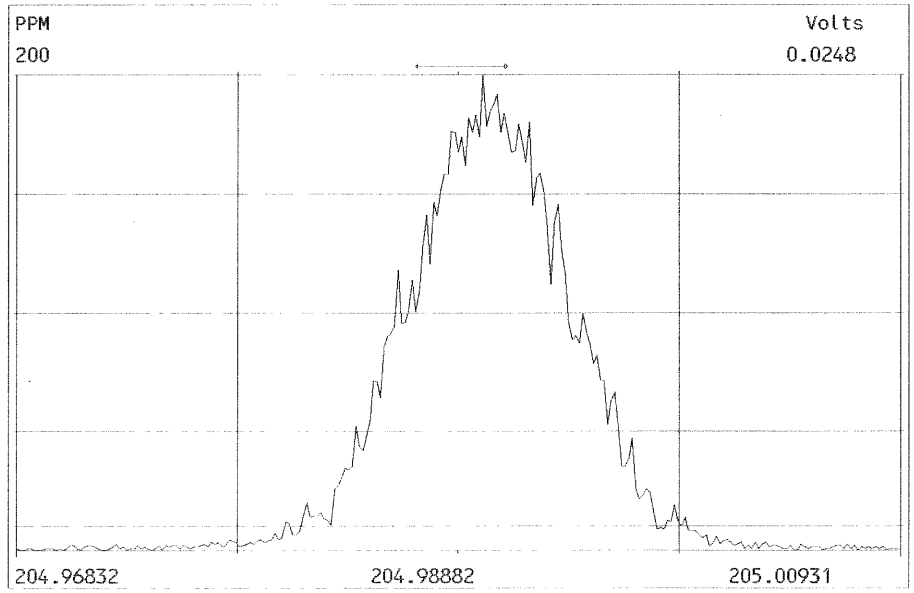


Peak Locate Examination:20-OCT-2020:23:45 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

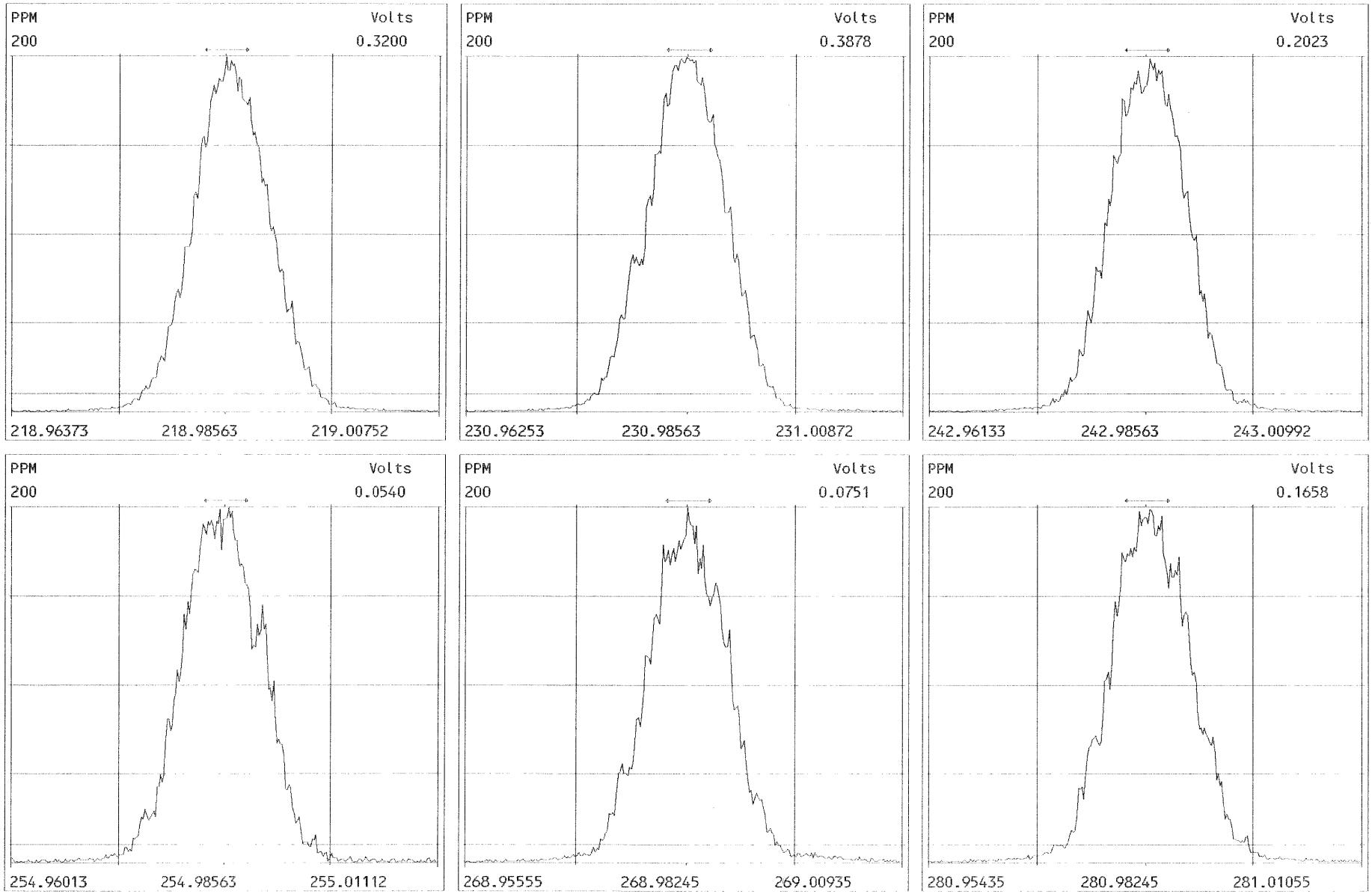




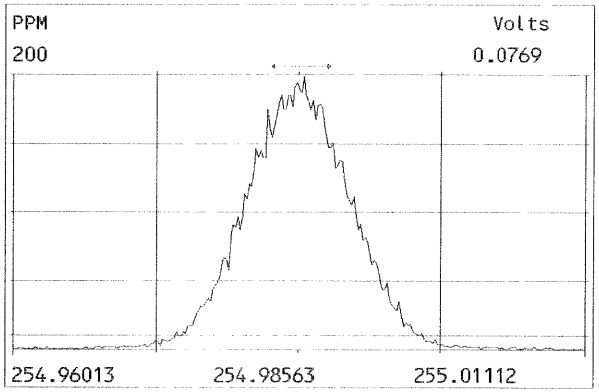


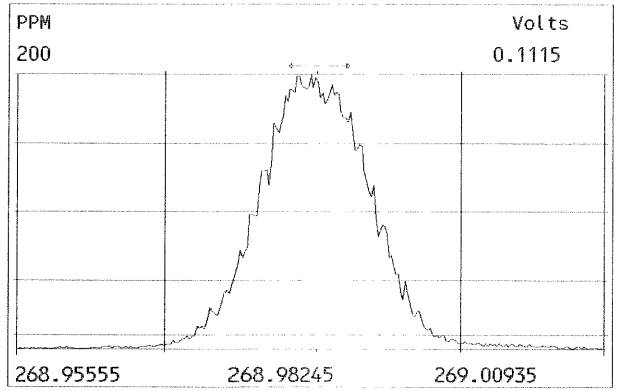


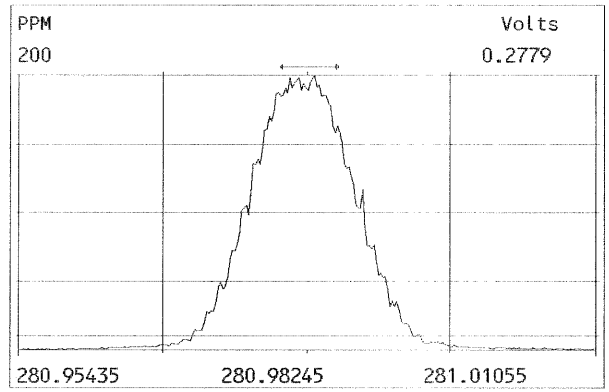
Peak Locate Examination:20-OCT-2020:23:47 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

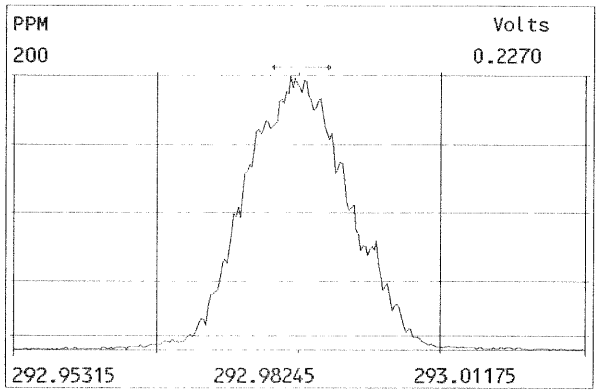


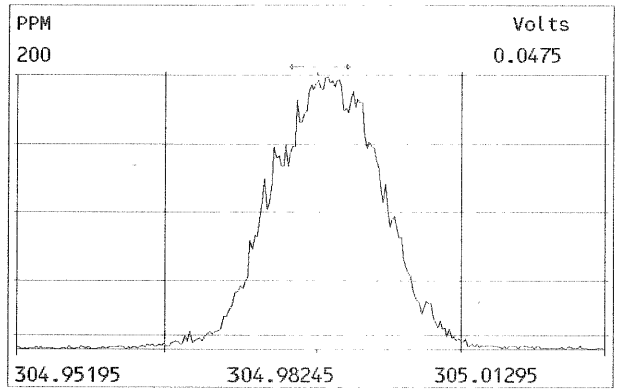
Peak Locate Examination:20-OCT-2020:23:49 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

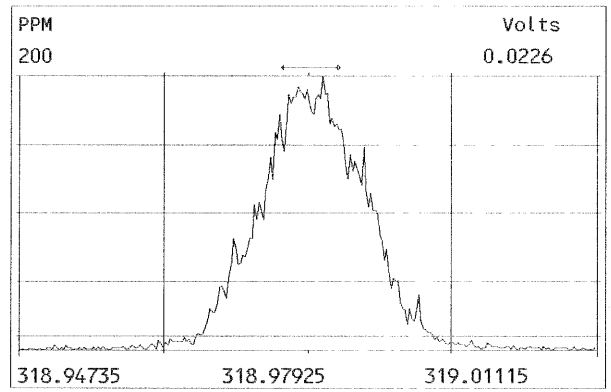


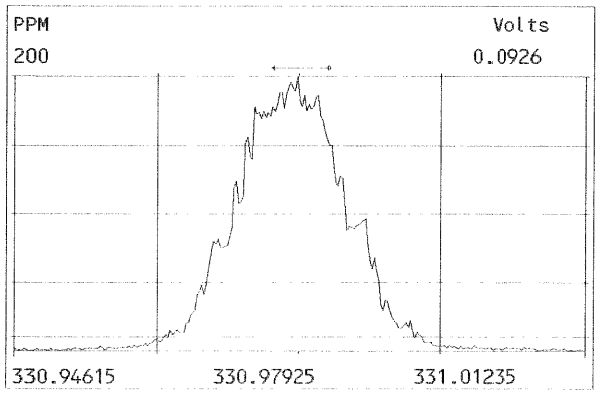


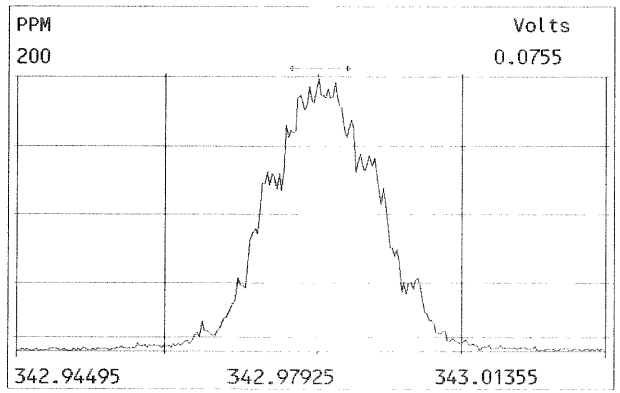




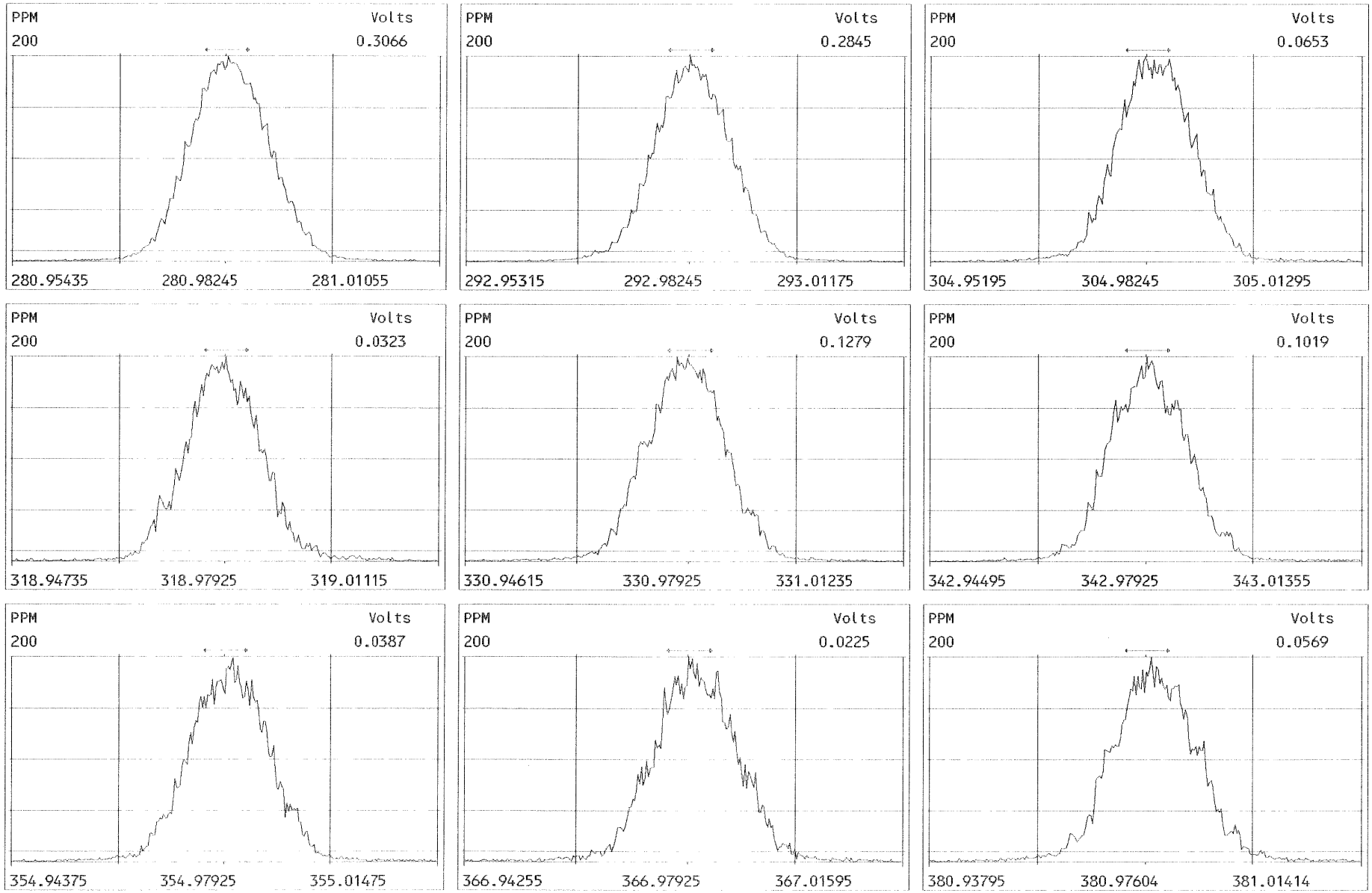




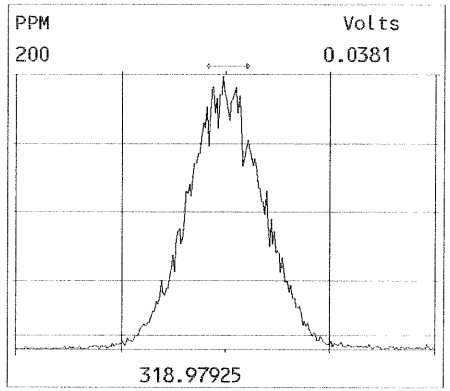


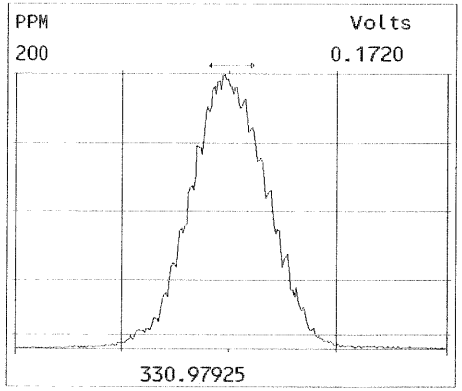


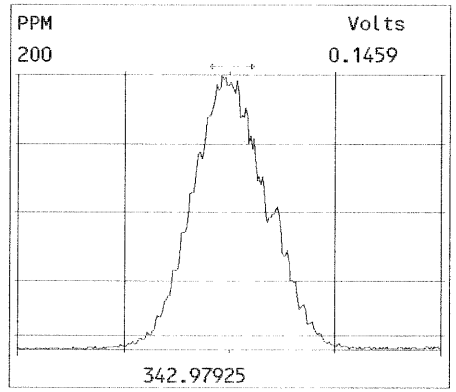
Peak Locate Examination:20-OCT-2020:23:52 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

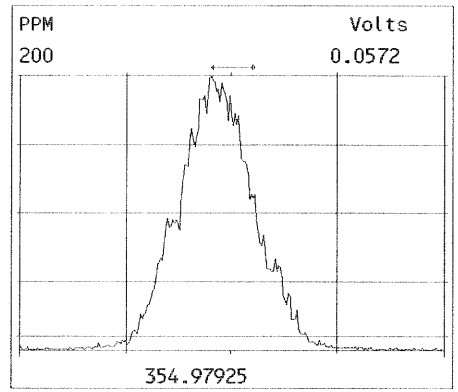


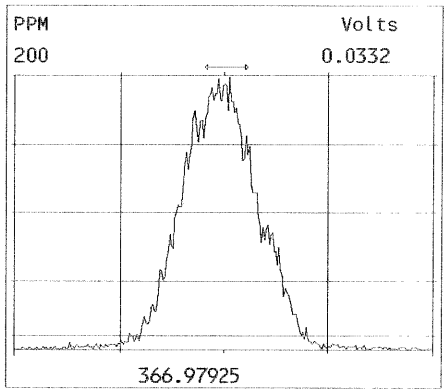
Peak Locate Examination:20-OCT-2020:23:54 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

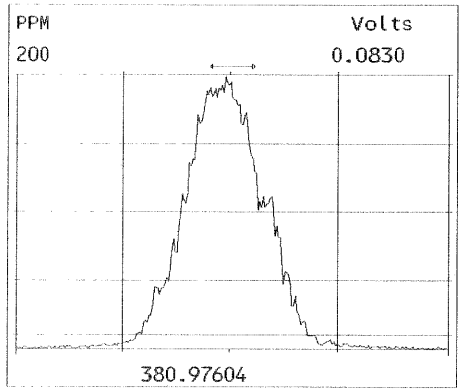


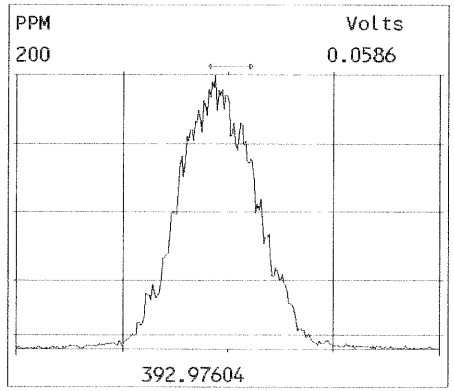


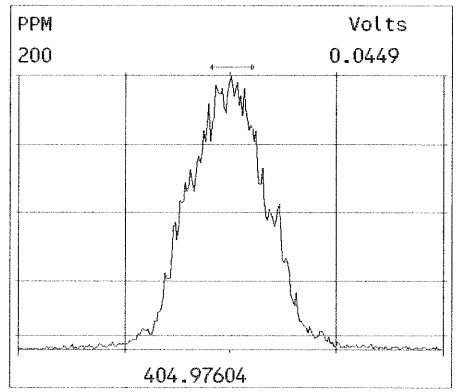


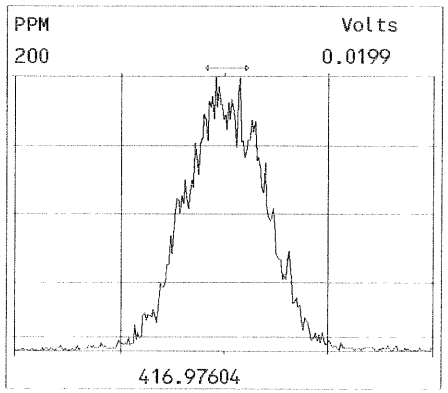


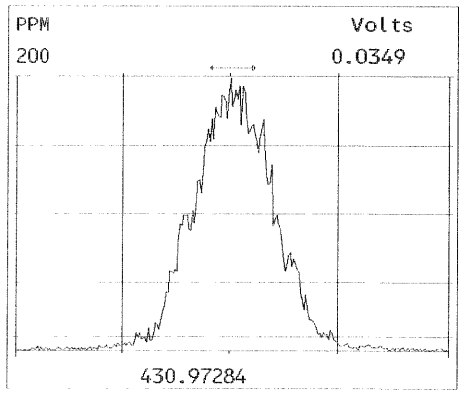


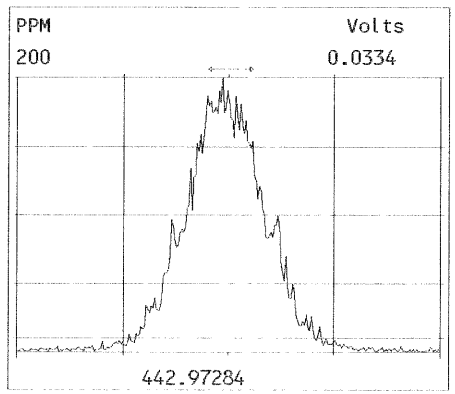




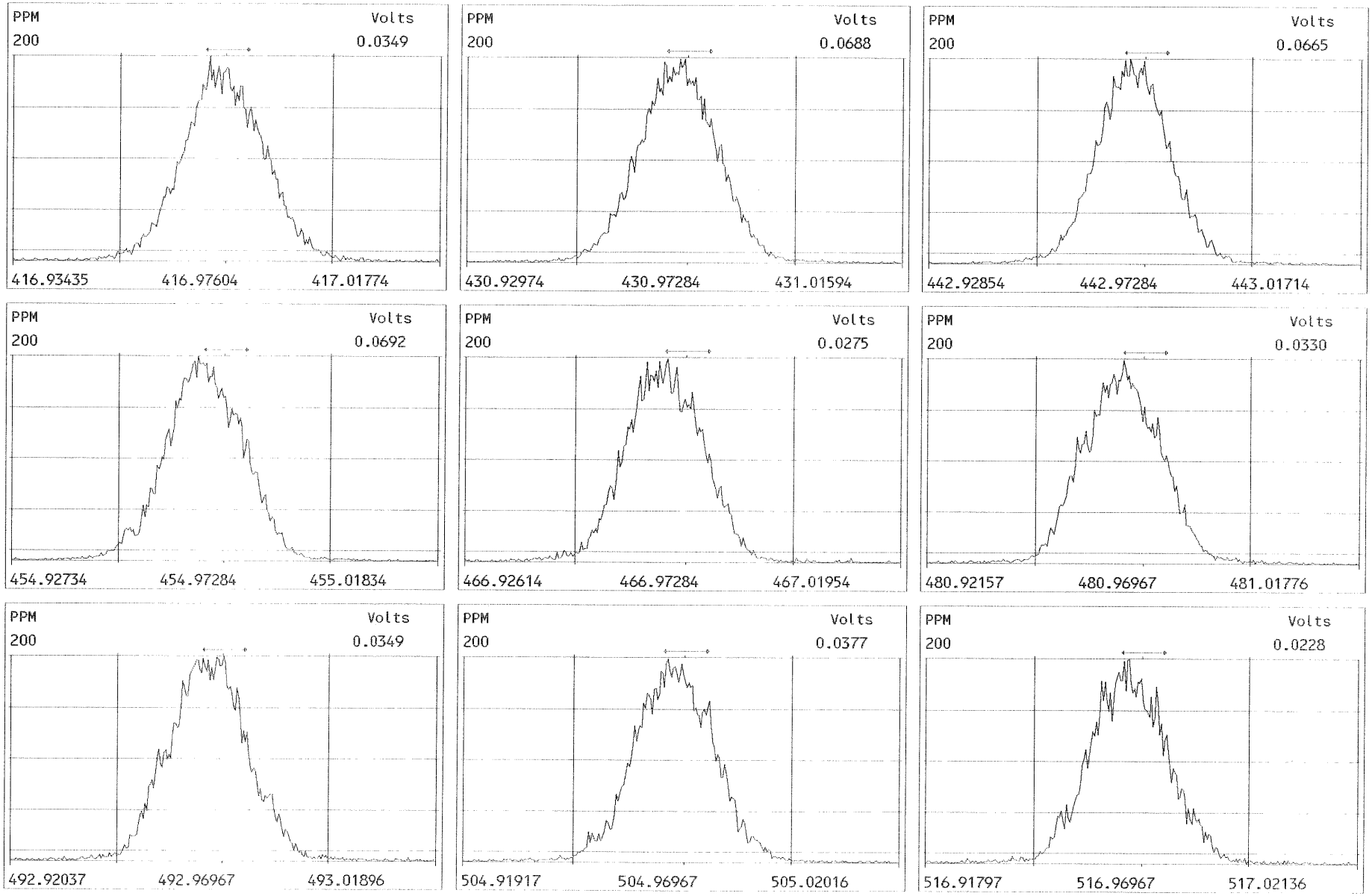








Peak Locate Examination:20-OCT-2020:23:57 File:20OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



Cal: DAILY209FAL4-10-26-20

Run: 26OCT20Z Analyte: DAILY209FAL4-10-26-20 Results: 13371-16 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:26OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2957	-	1.30	
13C-PCB-1	0.8284	-	0.83	
PCB-2	1.3342	-	1.33	
PCB-3	1.3447	-	1.34	
13C-PCB-3	0.8020	-	0.80	
PCB-4	1.0084	-	1.01	
PCB-10	1.4302	-	1.43	
13C-PCB-4	0.6361	-	0.64	
PCB-9	1.3369	-	1.34	
PCB-7	1.4026	*	1.40	
PCB-6	1.3471	-	1.35	
PCB-8	1.3281	*	1.33	
PCB-5	1.3571	-	1.36	
PCB-14	1.3681	-	1.37	
PCB-11	1.3365	-	1.34	
PCB-13	1.3869	-	1.39	
PCB-12	1.2968	-	1.30	
PCB-15	1.2414	-	1.24	
13C-PCB-15	1.0247	-	1.02	
PCB-19	1.3076	-	1.31	
PCB-30	1.9984	-	2.00	
PCB-18	1.3553	-	1.36	
PCB-17	1.4840	-	1.48	
PCB-27	1.9274	*	1.93	
PCB-24	1.9735	*	1.97	
PCB-16	1.6584	*	1.66	
PCB-32	1.6459	-	1.65	
13C-PCB-19	0.3996	-	0.40	
13C-PCB-9	-	-	-	
PCB-34	1.1556	-	1.16	
PCB-23	1.1462	-	1.15	
PCB-29	1.1950	-	1.19	
PCB-26	1.1688	-	1.17	
PCB-25	1.1400	-	1.14	
PCB-31	1.1796	-	1.18	
PCB-28	1.3425	-	1.34	
PCB-20	1.1190	-	1.12	Co-elute PCB 21/33
PCB-21	1.1190	-	1.12	Co-elute PCB 20/33
PCB-33	1.1190	-	1.12	Co-elute PCB 20/21
PCB-22	1.2150	-	1.22	
PCB-36	1.1683	-	1.17	
PCB-39	1.2198	-	1.22	
PCB-38	1.2816	-	1.28	
PCB-35	1.2177	-	1.22	
PCB-37	1.2043	-	1.20	
13C-PCB-37	1.8271	-	1.83	

PCB-54	1.3014	-	1.30	
PCB-50	1.0355	-	1.04	
PCB-53	1.0166	-	1.02	
PCB-51	1.0786	-	1.08	
PCB-45	0.9051	-	0.91	
PCB-46	0.8871	-	0.89	
PCB-52	1.1505	-	1.15	Co-elute PCB 69
PCB-69	1.1505	-	1.15	Co-elute PCB 52
PCB-73	1.2775	-	1.28	
PCB-43	0.9998	-	1.00	Co-elute PCB 49
PCB-49	0.9998	-	1.00	Co-elute PCB 43
PCB-47	1.0293	-	1.03	
PCB-48	1.3374	-	1.34	Co-elute PCB 75
PCB-75	1.3374	-	1.34	Co-elute PCB 48
PCB-65	1.3627	-	1.36	
PCB-62	1.3500	-	1.35	
PCB-44	0.9007	-	0.90	
PCB-42	1.1237	*	1.12	Co-elute PCB 59
PCB-59	1.1237	*	1.12	Co-elute PCB 42
PCB-72	1.2560	-	1.26	Co-elute PCB 41/71/64
PCB-41	1.2560	-	1.26	Co-elute PCB 72/71/64
PCB-71	1.2560	-	1.26	Co-elute PCB 72/41/64
PCB-64	1.2560	-	1.26	Co-elute PCB 72/41/71
PCB-68	1.4669	-	1.47	
PCB-40	0.7960	-	0.80	
PCB-57	1.3804	-	1.38	
PCB-67	1.3917	-	1.39	
PCB-58	1.3713	-	1.37	
PCB-63	1.4136	-	1.41	
PCB-74	1.3818	-	1.38	
PCB-61	1.2615	-	1.26	Co-elute PCB 70
PCB-70	1.2615	-	1.26	Co-elute PCB 61
PCB-76	1.4122	-	1.41	Co-elute PCB 66
PCB-66	1.4122	-	1.41	Co-elute PCB 76
PCB-80	1.5617	*	1.56	
PCB-55	1.3269	-	1.33	
13C-PCB-54	1.1231	-	1.12	
PCB-104	1.1999	-	1.20	
PCB-96	1.1530	-	1.15	
PCB-103	0.9888	-	0.99	
PCB-100	0.9725	-	0.97	
PCB-94	0.8179	-	0.82	
PCB-98	0.8098	-	0.81	Co-elute PCB 102
PCB-102	0.8098	-	0.81	Co-elute PCB 98
PCB-95	0.8837	*	0.88	
PCB-93	0.8558	-	0.86	
PCB-88	0.8646	-	0.86	Co-elute PCB 91
PCB-91	0.8646	-	0.86	Co-elute PCB 88
PCB-121	1.1705	-	1.17	
13C-PCB-104	0.7927	-	0.79	
13C-PCB-28	2.0283	-	2.03	
13C-PCB-52	-	-	-	

PCB-56	1.1499	-	1.15	Co-elute PCB 60
PCB-60	1.1499	-	1.15	Co-elute PCB 56
PCB-79	1.2492	-	1.25	
PCB-78	1.2043	-	1.20	
PCB-81	1.2912	-	1.29	
13C-PCB-81	1.8213	-	1.82	
PCB-77	1.1313	-	1.13	
13C-PCB-77	1.8659	-	1.87	
PCB-155	1.1172	-	1.12	
PCB-150	1.1021	-	1.10	
PCB-152	1.0607	-	1.06	
PCB-145	1.0709	-	1.07	
PCB-136	1.0821	-	1.08	
PCB-148	0.7606	-	0.76	
PCB-154	0.9285	-	0.93	
13C-PCB-155	1.0362	-	1.04	
13C-PCB-111	1.2857	-	1.29	
13C-PCB-101	-	-	-	
PCB-84	0.6640	-	0.66	Co-elute PCB 92
PCB-92	0.6640	-	0.66	Co-elute PCB 84
PCB-89	0.6748	*	0.67	
PCB-90	0.7469	-	0.75	Co-elute PCB 101
PCB-101	0.7469	-	0.75	Co-elute PCB 90
PCB-113	0.8701	-	0.87	
PCB-99	0.8254	-	0.83	
PCB-119	0.9852	-	0.99	
PCB-83	0.7837	-	0.78	Co-elute PCB 112
PCB-112	0.7837	-	0.78	Co-elute PCB 83
PCB-109	0.9276	-	0.93	
PCB-97	0.6389	-	0.64	
PCB-86	0.5606	-	0.56	
PCB-125	0.8921	-	0.89	Co-elute PCB 87/117
PCB-87	0.8921	-	0.89	Co-elute PCB 125/117
PCB-117	0.8921	-	0.89	Co-elute PCB 125/87
PCB-111	0.9513	-	0.95	Co-elute PCB 115
PCB-115	0.9513	-	0.95	Co-elute PCB 111
PCB-85	0.8435	-	0.84	Co-elute PCB 116
PCB-116	0.8435	-	0.84	Co-elute PCB 85
PCB-120	1.0064	-	1.01	
PCB-110	0.9367	-	0.94	
PCB-82	0.5670	-	0.57	
PCB-124	1.2120	-	1.21	
PCB-108	1.1612	-	1.16	Co-elute PCB 107
PCB-107	1.1612	-	1.16	Co-elute PCB 108
PCB-123	1.1083	-	1.11	
13C-PCB-123	1.4017	-	1.40	
PCB-118	1.1438	*	1.14	Co-elute PCB 106
PCB-106	1.1438	*	1.14	Co-elute PCB 118
13C-PCB-118	1.5063	-	1.51	
PCB-114	1.2435	-	1.24	
13C-PCB-114	1.4869	-	1.49	
PCB-122	1.1554	-	1.16	
PCB-105	1.2209	-	1.22	
13C-PCB-105	1.4881	-	1.49	
PCB-127	1.1654	-	1.17	
PCB-126	1.1928	-	1.19	
13C-PCB-126	1.4244	-	1.42	

PCB-151	0.9261	-	0.93	
PCB-135	0.9477	-	0.95	
PCB-144	0.9261	-	0.93	
PCB-147	0.9641	-	0.96	
PCB-139	0.9813	-	0.98	Co-elute PCB 149
PCB-149	0.9813	-	0.98	Co-elute PCB 139
PCB-140	0.9710	*	0.97	
PCB-143	0.8070	-	0.81	Co-elute PCB 134
PCB-134	0.8070	-	0.81	Co-elute PCB 143
PCB-131	0.8262	-	0.83	Co-elute PCB 133
PCB-133	0.8262	-	0.83	Co-elute PCB 131
PCB-142	0.8288	-	0.83	
PCB-165	1.1160	-	1.12	Co-elute PCB 146
PCB-146	1.1160	-	1.12	Co-elute PCB 165
PCB-161	1.0403	-	1.04	Co-elute PCB 132
PCB-132	1.0403	-	1.04	Co-elute PCB 161
PCB-153	1.0760	-	1.08	
PCB-168	1.1902	-	1.19	
PCB-141	0.9427	-	0.94	
PCB-137	0.9809	*	0.98	
PCB-130	0.7579	-	0.76	
PCB-138	1.1097	-	1.11	Co-elute PCB 163/164
PCB-163	1.1097	-	1.11	Co-elute PCB 138/164
PCB-164	1.1097	-	1.11	Co-elute PCB 138/163
PCB-158	1.2524	-	1.25	Co-elute PCB 160
PCB-160	1.2524	-	1.25	Co-elute PCB 158
PCB-129	0.7837	-	0.78	
PCB-166	1.2198	-	1.22	
PCB-159	1.3103	-	1.31	
PCB-128	1.0375	-	1.04	Co-elute PCB 162
PCB-162	1.0375	-	1.04	Co-elute PCB 128
PCB-167	1.1990	-	1.20	
13C-PCB-167	1.1762	-	1.18	
PCB-156	1.2868	-	1.29	
13C-PCB-156	1.1538	-	1.15	
PCB-157	1.2120	-	1.21	
13C-PCB-157	1.1729	-	1.17	
PCB-169	1.1682	-	1.17	
13C-PCB-169	1.1772	-	1.18	
PCB-188	1.1599	-	1.16	
13C-PCB-188	0.9254	-	0.93	

PCB-184	1.2451	-	1.25	
PCB-179	1.2010	-	1.20	
PCB-176	1.1533	-	1.15	
PCB-186	1.1836	-	1.18	
PCB-178	0.8518	-	0.85	
PCB-175	0.8957	-	0.90	
PCB-187	0.9520	-	0.95	Co-elute PCB 182
PCB-182	0.9520	-	0.95	Co-elute PCB 187
PCB-183	0.9430	-	0.94	
PCB-185	0.8811	-	0.88	
PCB-174	0.8671	-	0.87	
PCB-181	0.8943	-	0.89	
PCB-177	0.8191	-	0.82	
PCB-171	0.8694	-	0.87	
PCB-173	0.8046	-	0.80	
PCB-172	0.8323	-	0.83	
PCB-192	1.0895	-	1.09	
PCB-180	0.8463	-	0.85	
PCB-193	1.1749	-	1.17	
PCB-191	1.1379	-	1.14	
PCB-170	0.8492	-	0.85	
PCB-190	1.1345	-	1.13	
PCB-189	1.1614	-	1.16	
13C-PCB-189	0.8842	-	0.88	
PCB-202	1.0789	-	1.08	
PCB-201	1.1813	-	1.18	
PCB-204	1.1801	-	1.18	
PCB-197	1.2270	-	1.23	
PCB-200	1.2104	*	1.21	
PCB-198	0.8751	-	0.88	
PCB-199	0.8991	-	0.90	
PCB-203	0.9638	-	0.96	Co-elute PCB 196
PCB-196	0.9638	-	0.96	Co-elute PCB 203
13C-PCB-202	0.6811	-	0.68	
13C-PCB-178	0.7065	-	0.71	
13C-PCB-138	-	-	-	
PCB-195	0.8483	-	0.85	
PCB-194	0.9597	-	0.96	
PCB-205	1.1432	-	1.14	
13C-PCB-205	1.2173	-	1.22	
PCB-208	1.1170	-	1.12	
13C-PCB-208	1.0023	-	1.00	
PCB-207	1.2409	-	1.24	
PCB-206	1.1483	-	1.15	
13C-PCB-206	0.7660	-	0.77	
PCB-209	1.2362	-	1.24	
13C-PCB-209	0.7891	-	0.79	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 10/28/20

Run #1 Filename 26OCT20Z S: 1 Acquired: 26-OCT-20 09:58:45 Cal: DAILY209FAL4-10-26-20
Client ID: ST102620Z1 Analyte: DAILY209FAL4-10-26-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.91e+07	3.20 y	14:38	-	1.30	
2	IS/RT	13C-PCB-1	100.00	4.49e+07	3.19 y	14:37	-	0.828	
3	Unk	PCB-2	50.00	2.95e+07	3.20 y	16:51	-	1.33	
4	Unk	PCB-3	50.00	2.92e+07	3.28 y	17:04	-	1.34	
5	IS/RT	13C-PCB-3	100.00	4.34e+07	3.22 y	17:03	-	0.802	
6	Unk	PCB-4	50.00	1.74e+07	1.47 y	18:20	-	1.01	
7	Unk	PCB-10	50.00	3.22e+07	1.57 y	18:22	-	1.43	
8	IS/RT	13C-PCB-4	100.00	3.44e+07	1.60 y	18:18	-	0.636	
9	Unk	PCB-9	50.00	3.01e+07	1.50 y	20:01	-	1.34	
10	Unk	PCB-7	50.00	3.15e+07	1.56 y	20:03	-	1.40	
11	Unk	PCB-6	50.00	3.03e+07	1.54 y	20:37	-	1.35	
12	Unk	PCB-8	50.00	2.99e+07	1.47 y	21:01	-	1.33	
13	Unk	PCB-5	50.00	3.05e+07	1.53 y	21:02	-	1.36	
14	Unk	PCB-14	50.00	3.08e+07	1.51 y	22:03	-	1.37	
15	Unk	PCB-11	50.00	3.01e+07	1.52 y	23:10	-	1.34	
16	Unk	PCB-13	50.00	3.12e+07	1.50 y	23:31	-	1.39	
17	Unk	PCB-12	50.00	2.92e+07	1.54 y	23:34	-	1.30	
18	Unk	PCB-15	50.00	3.44e+07	1.50 y	23:51	-	1.24	
19	IS/RT	13C-PCB-15	100.00	5.55e+07	1.61 y	23:49	-	1.02	
20	Unk	PCB-19	50.00	1.41e+07	1.06 y	22:12	-	1.31	
21	Unk	PCB-30	50.00	2.16e+07	1.07 y	23:04	-	2.00	
22	Unk	PCB-18	50.00	1.47e+07	1.08 y	23:45	-	1.36	
23	Unk	PCB-17	50.00	1.61e+07	1.07 y	23:56	-	1.48	
24	Unk	PCB-27	50.00	2.09e+07	1.09 y	24:27	-	1.93	
25	Unk	PCB-24	50.00	2.14e+07	1.06 y	24:28	-	1.97	
26	Unk	PCB-16	50.00	1.79e+07	1.06 y	24:57	-	1.66	
27	Unk	PCB-32	50.00	1.78e+07	1.08 y	24:58	-	1.65	
28	IS/RT	13C-PCB-19	100.00	2.16e+07	1.08 y	22:12	-	0.400	
29	RS	13C-PCB-9	100.00	5.42e+07	1.60 y	19:59	5.42e+05	-	
30	Unk	PCB-34	50.00	2.72e+07	1.02 y	25:41	-	1.16	
31	Unk	PCB-23	50.00	2.70e+07	1.05 y	25:48	-	1.15	
32	Unk	PCB-29	50.00	2.81e+07	1.02 y	26:02	-	1.19	
33	Unk	PCB-26	50.00	2.75e+07	1.02 y	26:13	-	1.17	
34	Unk	PCB-25	50.00	2.68e+07	1.05 y	26:23	-	1.14	
35	Unk	PCB-31	50.00	2.78e+07	1.03 y	26:43	-	1.18	
36	Unk	PCB-28	50.00	3.16e+07	1.04 y	26:48	-	1.34	
37	Unk	PCB-20	150.00	7.90e+07	1.03 y	27:24	-	1.12	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	7.90e+07	1.03 y	27:24	-	1.12	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	7.90e+07	1.03 y	27:24	-	1.12	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	2.86e+07	1.04 y	27:49	-	1.22	
41	Unk	PCB-36	50.00	2.75e+07	1.04 y	28:23	-	1.17	
42	Unk	PCB-39	50.00	2.87e+07	1.02 y	28:51	-	1.22	
43	Unk	PCB-38	50.00	3.02e+07	1.03 y	29:34	-	1.28	
44	Unk	PCB-35	50.00	2.87e+07	1.05 y	30:04	-	1.22	
45	Unk	PCB-37	50.00	2.83e+07	1.03 y	30:30	-	1.20	
46	IS	13C-PCB-37	100.00	4.71e+07	1.07 y	30:28	-	1.83	

47	Unk	PCB-54	100.00	3.77e+07	0.81 y	25:45	-	1.30	
48	Unk	PCB-50	100.00	3.00e+07	0.79 y	26:51	-	1.04	
49	Unk	PCB-53	100.00	2.94e+07	0.81 y	27:28	-	1.02	
50	Unk	PCB-51	100.00	3.12e+07	0.80 y	27:47	-	1.08	
51	Unk	PCB-45	100.00	2.62e+07	0.80 y	28:12	-	0.905	
52	Unk	PCB-46	100.00	2.57e+07	0.80 y	28:40	-	0.887	
53	Unk	PCB-52	200.00	6.66e+07	0.80 y	29:06	-	1.15	Co-elute PCB 69
54	Unk	PCB-69	200.00	6.66e+07	0.80 y	29:06	-	1.15	Co-elute PCB 52
55	Unk	PCB-73	100.00	3.70e+07	0.83 y	29:13	-	1.28	
56	Unk	PCB-43	200.00	5.78e+07	0.80 y	29:23	-	1.000	Co-elute PCB 49
57	Unk	PCB-49	200.00	5.78e+07	0.80 y	29:23	-	1.000	Co-elute PCB 43
58	Unk	PCB-47	100.00	2.98e+07	0.79 y	29:34	-	1.03	
59	Unk	PCB-48	200.00	7.74e+07	0.81 y	29:40	-	1.34	Co-elute PCB 75
60	Unk	PCB-75	200.00	7.74e+07	0.81 y	29:40	-	1.34	Co-elute PCB 48
61	Unk	PCB-65	100.00	3.94e+07	0.79 y	29:56	-	1.36	
62	Unk	PCB-62	100.00	3.91e+07	0.81 y	30:02	-	1.35	
63	Unk	PCB-44	100.00	2.61e+07	0.80 y	30:20	-	0.901	
64	Unk	PCB-42	200.00	6.50e+07	0.80 y	30:32	-	1.12	Co-elute PCB 59
65	Unk	PCB-59	200.00	6.50e+07	0.80 y	30:32	-	1.12	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.45e+08	0.80 y	31:05	-	1.26	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.45e+08	0.80 y	31:05	-	1.26	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.45e+08	0.80 y	31:05	-	1.26	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.45e+08	0.80 y	31:05	-	1.26	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	4.24e+07	0.80 y	31:20	-	1.47	
71	Unk	PCB-40	100.00	2.30e+07	0.81 y	31:33	-	0.796	
72	Unk	PCB-57	100.00	3.99e+07	0.81 y	31:53	-	1.38	
73	Unk	PCB-67	100.00	4.03e+07	0.80 y	32:10	-	1.39	
74	Unk	PCB-58	100.00	3.97e+07	0.81 y	32:16	-	1.37	
75	Unk	PCB-63	100.00	4.09e+07	0.80 y	32:26	-	1.41	
76	Unk	PCB-74	100.00	4.00e+07	0.80 y	32:42	-	1.38	
77	Unk	PCB-61	200.00	7.30e+07	0.80 y	32:54	-	1.26	Co-elute PCB 70
78	Unk	PCB-70	200.00	7.30e+07	0.80 y	32:54	-	1.26	Co-elute PCB 61
79	Unk	PCB-76	200.00	8.17e+07	0.81 y	33:05	-	1.41	Co-elute PCB 66
80	Unk	PCB-66	200.00	8.17e+07	0.81 y	33:05	-	1.41	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.52e+07	0.80 y	33:18	-	1.56	
82	Unk	PCB-55	100.00	3.84e+07	0.83 y	33:37	-	1.33	
83	IS/RT	13C-PCB-54	100.00	2.89e+07	0.81 y	25:44	-	1.12	
84	Unk	PCB-104	100.00	2.45e+07	1.58 y	30:11	-	1.20	
85	Unk	PCB-96	100.00	2.35e+07	1.58 y	31:23	-	1.15	
86	Unk	PCB-103	100.00	2.02e+07	1.56 y	31:53	-	0.989	
87	Unk	PCB-100	100.00	1.99e+07	1.57 y	32:13	-	0.973	
88	Unk	PCB-94	100.00	1.67e+07	1.59 y	32:40	-	0.818	
89	Unk	PCB-98	200.00	3.31e+07	1.58 y	33:06	-	0.810	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.31e+07	1.58 y	33:06	-	0.810	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.80e+07	1.56 y	33:10	-	0.884	
92	Unk	PCB-93	100.00	1.75e+07	1.63 y	33:15	-	0.856	
93	Unk	PCB-88	200.00	3.53e+07	1.57 y	33:33	-	0.865	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.53e+07	1.57 y	33:33	-	0.865	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.39e+07	1.61 y	33:37	-	1.17	
96	IS	13C-PCB-104	100.00	2.04e+07	1.61 y	30:09	-	0.793	
97	C/Up	13C-PCB-28	100.00	5.22e+07	1.06 y	26:47	-	2.03	
98	RS	13C-PCB-52	100.00	2.58e+07	0.82 y	29:04	2.58e+05	-	
99	Unk	PCB-56	200.00	9.07e+07	0.78 y	34:04	-	1.15	Co-elute PCB 60
100	Unk	PCB-60	200.00	9.07e+07	0.78 y	34:04	-	1.15	Co-elute PCB 56

101	Unk	PCB-79	100.00	4.92e+07	0.80 y	35:05	-	1.25	
102	Unk	PCB-78	100.00	4.75e+07	0.79 y	35:45	-	1.20	
103	Unk	PCB-81	100.00	5.03e+07	0.79 y	36:15	-	1.29	
104	IS	13C-PCB-81	100.00	3.89e+07	0.81 y	36:13	-	1.82	
105	Unk	PCB-77	100.00	4.51e+07	0.79 y	36:49	-	1.13	
106	IS/RT	13C-PCB-77	100.00	3.99e+07	0.80 y	36:47	-	1.87	
107	Unk	PCB-155	100.00	2.48e+07	1.28 y	34:21	-	1.12	
108	Unk	PCB-150	100.00	2.44e+07	1.26 y	35:32	-	1.10	
109	Unk	PCB-152	100.00	2.35e+07	1.26 y	35:59	-	1.06	
110	Unk	PCB-145	100.00	2.37e+07	1.27 y	36:25	-	1.07	
111	Unk	PCB-136	100.00	2.40e+07	1.26 y	36:44	-	1.08	
112	Unk	PCB-148	100.00	1.69e+07	1.30 y	36:49	-	0.761	
113	Unk	PCB-154	100.00	2.06e+07	1.26 y	37:16	-	0.929	
114	IS	13C-PCB-155	100.00	2.22e+07	1.28 y	34:18	-	1.04	
115	C/Up	13C-PCB-111	100.00	2.75e+07	1.62 y	36:23	-	1.29	
116	RS	13C-PCB-101	100.00	2.14e+07	1.61 y	34:45	2.14e+05	-	
117	Unk	PCB-84	200.00	4.53e+07	1.59 y	34:25	-	0.664	Co-elute PCB 92
118	Unk	PCB-92	200.00	4.53e+07	1.59 y	34:25	-	0.664	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.30e+07	1.59 y	34:36	-	0.675	
120	Unk	PCB-90	200.00	5.10e+07	1.59 y	34:46	-	0.747	Co-elute PCB 101
121	Unk	PCB-101	200.00	5.10e+07	1.59 y	34:46	-	0.747	Co-elute PCB 90
122	Unk	PCB-113	100.00	2.97e+07	1.56 y	34:60	-	0.870	
123	Unk	PCB-99	100.00	2.82e+07	1.63 y	35:05	-	0.825	
124	Unk	PCB-119	100.00	3.36e+07	1.59 y	35:32	-	0.985	
125	Unk	PCB-83	200.00	5.35e+07	1.60 y	35:40	-	0.784	Co-elute PCB 112
126	Unk	PCB-112	200.00	5.35e+07	1.60 y	35:40	-	0.784	Co-elute PCB 83
127	Unk	PCB-109	100.00	3.17e+07	1.60 y	35:49	-	0.928	
128	Unk	PCB-97	100.00	2.18e+07	1.58 y	36:01	-	0.639	
129	Unk	PCB-86	100.00	1.91e+07	1.55 y	36:09	-	0.561	
130	Unk	PCB-125	300.00	9.14e+07	1.62 y	36:17	-	0.892	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	9.14e+07	1.62 y	36:17	-	0.892	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	9.14e+07	1.62 y	36:17	-	0.892	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	6.50e+07	1.62 y	36:25	-	0.951	Co-elute PCB 115
134	Unk	PCB-115	200.00	6.50e+07	1.62 y	36:25	-	0.951	Co-elute PCB 111
135	Unk	PCB-85	200.00	5.76e+07	1.63 y	36:32	-	0.843	Co-elute PCB 116
136	Unk	PCB-116	200.00	5.76e+07	1.63 y	36:32	-	0.843	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.44e+07	1.58 y	36:46	-	1.01	
138	Unk	PCB-110	100.00	3.20e+07	1.60 y	36:54	-	0.937	
139	Unk	PCB-82	100.00	1.94e+07	1.60 y	37:30	-	0.567	
140	Unk	PCB-124	100.00	4.14e+07	1.54 y	38:09	-	1.21	
141	Unk	PCB-108	200.00	7.93e+07	1.58 y	38:18	-	1.16	Co-elute PCB 107
142	Unk	PCB-107	200.00	7.93e+07	1.58 y	38:18	-	1.16	Co-elute PCB 108
143	Unk	PCB-123	100.00	3.61e+07	1.54 y	38:27	-	1.11	
144	IS	13C-PCB-123	100.00	3.25e+07	1.60 y	38:26	-	1.40	
145	Unk	PCB-118	200.00	8.00e+07	1.57 y	38:39	-	1.14	Co-elute PCB 106
146	Unk	PCB-106	200.00	8.00e+07	1.57 y	38:39	-	1.14	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	3.50e+07	1.62 y	38:36	-	1.51	
148	Unk	PCB-114	100.00	4.29e+07	1.53 y	39:15	-	1.24	
149	IS	13C-PCB-114	100.00	3.45e+07	1.59 y	39:14	-	1.49	
150	Unk	PCB-122	100.00	3.94e+07	1.58 y	39:22	-	1.16	
151	Unk	PCB-105	100.00	4.22e+07	1.56 y	40:03	-	1.22	
152	IS	13C-PCB-105	100.00	3.45e+07	1.62 y	40:01	-	1.49	
153	Unk	PCB-127	100.00	3.98e+07	1.57 y	40:21	-	1.17	
154	Unk	PCB-126	100.00	3.94e+07	1.55 y	42:10	-	1.19	
155	IS	13C-PCB-126	100.00	3.31e+07	1.61 y	42:10	-	1.42	

156	Unk	PCB-151	100.00	2.52e+07	1.28 y	37:53	-	0.926	
157	Unk	PCB-135	100.00	2.57e+07	1.24 y	38:06	-	0.948	
158	Unk	PCB-144	100.00	2.52e+07	1.25 y	38:13	-	0.926	
159	Unk	PCB-147	100.00	2.62e+07	1.26 y	38:19	-	0.964	
160	Unk	PCB-139	200.00	5.33e+07	1.25 y	38:34	-	0.981	Co-elute PCB 149
161	Unk	PCB-149	200.00	5.33e+07	1.25 y	38:34	-	0.981	Co-elute PCB 139
162	Unk	PCB-140	100.00	2.64e+07	1.25 y	38:46	-	0.971	
163	Unk	PCB-143	200.00	4.38e+07	1.26 y	39:09	-	0.807	Co-elute PCB 134
164	Unk	PCB-134	200.00	4.38e+07	1.26 y	39:09	-	0.807	Co-elute PCB 143
165	Unk	PCB-131	200.00	4.49e+07	1.25 y	39:27	-	0.826	Co-elute PCB 133
166	Unk	PCB-133	200.00	4.49e+07	1.25 y	39:27	-	0.826	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.25e+07	1.26 y	39:37	-	0.829	
168	Unk	PCB-165	200.00	6.06e+07	1.26 y	39:48	-	1.12	Co-elute PCB 146
169	Unk	PCB-146	200.00	6.06e+07	1.26 y	39:48	-	1.12	Co-elute PCB 165
170	Unk	PCB-161	200.00	5.65e+07	1.25 y	39:60	-	1.04	Co-elute PCB 132
171	Unk	PCB-132	200.00	5.65e+07	1.25 y	39:60	-	1.04	Co-elute PCB 161
172	Unk	PCB-153	100.00	2.92e+07	1.26 y	40:11	-	1.08	
173	Unk	PCB-168	100.00	3.23e+07	1.26 y	40:23	-	1.19	
174	Unk	PCB-141	100.00	2.56e+07	1.27 y	40:52	-	0.943	
175	Unk	PCB-137	100.00	2.66e+07	1.22 y	41:15	-	0.981	
176	Unk	PCB-130	100.00	2.06e+07	1.26 y	41:20	-	0.758	
177	Unk	PCB-138	300.00	9.04e+07	1.27 y	41:42	-	1.11	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	9.04e+07	1.27 y	41:42	-	1.11	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	9.04e+07	1.27 y	41:42	-	1.11	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	6.80e+07	1.26 y	41:55	-	1.25	Co-elute PCB 160
181	Unk	PCB-160	200.00	6.80e+07	1.26 y	41:55	-	1.25	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.13e+07	1.25 y	42:10	-	0.784	
183	Unk	PCB-166	100.00	3.31e+07	1.25 y	42:36	-	1.22	
184	Unk	PCB-159	100.00	3.56e+07	1.26 y	42:54	-	1.31	
185	Unk	PCB-128	200.00	5.64e+07	1.24 y	43:11	-	1.04	Co-elute PCB 162
186	Unk	PCB-162	200.00	5.64e+07	1.24 y	43:11	-	1.04	Co-elute PCB 128
187	Unk	PCB-167	100.00	3.27e+07	1.25 y	43:32	-	1.20	
188	IS	13C-PCB-167	100.00	2.73e+07	1.29 y	43:30	-	1.18	
189	Unk	PCB-156	100.00	3.45e+07	1.25 y	44:46	-	1.29	
190	IS	13C-PCB-156	100.00	2.68e+07	1.33 y	44:44	-	1.15	
191	Unk	PCB-157	100.00	3.30e+07	1.24 y	45:01	-	1.21	
192	IS	13C-PCB-157	100.00	2.72e+07	1.27 y	44:59	-	1.17	
193	Unk	PCB-169	100.00	3.19e+07	1.27 y	46:51	-	1.17	
194	IS	13C-PCB-169	100.00	2.73e+07	1.28 y	46:49	-	1.18	
195	Unk	PCB-188	100.00	2.49e+07	1.06 y	39:50	-	1.16	
196	IS	13C-PCB-188	100.00	2.15e+07	1.05 y	39:48	-	0.925	

197	Unk	PCB-184	100.00	2.61e+07	1.04 y	40:16	-	1.25	
198	Unk	PCB-179	100.00	2.52e+07	1.08 y	40:59	-	1.20	
199	Unk	PCB-176	100.00	2.42e+07	1.07 y	41:27	-	1.15	
200	Unk	PCB-186	100.00	2.49e+07	1.05 y	42:01	-	1.18	
201	Unk	PCB-178	100.00	1.79e+07	1.05 y	42:28	-	0.852	
202	Unk	PCB-175	100.00	1.88e+07	1.06 y	42:48	-	0.896	
203	Unk	PCB-187	200.00	4.00e+07	1.08 y	42:57	-	0.952	Co-elute PCB 182
204	Unk	PCB-182	200.00	4.00e+07	1.08 y	42:57	-	0.952	Co-elute PCB 187
205	Unk	PCB-183	100.00	1.98e+07	1.06 y	43:15	-	0.943	
206	Unk	PCB-185	100.00	1.85e+07	1.06 y	43:53	-	0.881	
207	Unk	PCB-174	100.00	1.82e+07	1.05 y	44:13	-	0.867	
208	Unk	PCB-181	100.00	1.88e+07	1.06 y	44:20	-	0.894	
209	Unk	PCB-177	100.00	1.72e+07	1.05 y	44:30	-	0.819	
210	Unk	PCB-171	100.00	1.83e+07	1.06 y	44:46	-	0.869	
211	Unk	PCB-173	100.00	1.69e+07	1.07 y	45:11	-	0.805	
212	Unk	PCB-172	100.00	1.75e+07	1.06 y	45:32	-	0.832	
213	Unk	PCB-192	100.00	2.29e+07	1.07 y	45:44	-	1.09	
214	Unk	PCB-180	100.00	1.78e+07	1.04 y	45:54	-	0.846	
215	Unk	PCB-193	100.00	2.47e+07	1.05 y	46:03	-	1.17	
216	Unk	PCB-191	100.00	2.39e+07	1.05 y	46:17	-	1.14	
217	Unk	PCB-170	100.00	1.78e+07	1.04 y	47:11	-	0.849	
218	Unk	PCB-190	100.00	2.38e+07	1.05 y	47:19	-	1.13	
219	Unk	PCB-189	100.00	2.38e+07	1.07 y	48:32	-	1.16	
220	IS	13C-PCB-189	100.00	2.05e+07	1.08 y	48:30	-	0.884	
221	Unk	PCB-202	150.00	2.56e+07	0.91 y	44:56	-	1.08	
222	Unk	PCB-201	150.00	2.80e+07	0.90 y	45:22	-	1.18	
223	Unk	PCB-204	150.00	2.80e+07	0.91 y	45:30	-	1.18	
224	Unk	PCB-197	150.00	2.91e+07	0.89 y	45:47	-	1.23	
225	Unk	PCB-200	150.00	2.87e+07	0.91 y	46:31	-	1.21	
226	Unk	PCB-198	150.00	2.08e+07	0.90 y	47:41	-	0.875	
227	Unk	PCB-199	150.00	2.13e+07	0.91 y	47:47	-	0.899	
228	Unk	PCB-203	300.00	4.57e+07	0.89 y	48:02	-	0.964	Co-elute PCB 196
229	Unk	PCB-196	300.00	4.57e+07	0.89 y	48:02	-	0.964	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.58e+07	0.92 y	44:56	-	0.681	
231	C/Up	13C-PCB-178	100.00	1.64e+07	1.08 y	42:26	-	0.706	
232	RS	13C-PCB-138	100.00	2.32e+07	1.31 y	41:40	2.32e+05	-	
233	Unk	PCB-195	150.00	3.79e+07	0.88 y	49:07	-	0.848	
234	Unk	PCB-194	150.00	4.29e+07	0.89 y	49:54	-	0.960	
235	Unk	PCB-205	150.00	5.11e+07	0.91 y	50:10	-	1.14	
236	IS	13C-PCB-205	100.00	2.98e+07	0.91 y	50:10	-	1.22	
237	Unk	PCB-208	150.00	4.11e+07	1.37 y	49:14	-	1.12	
238	IS	13C-PCB-208	100.00	2.45e+07	0.82 y	49:13	-	1.00	
239	Unk	PCB-207	150.00	4.03e+07	1.40 y	49:32	-	1.24	
240	Unk	PCB-206	150.00	3.23e+07	1.35 y	51:23	-	1.15	
241	IS	13C-PCB-206	100.00	1.87e+07	0.81 y	51:21	-	0.766	
242	Unk	PCB-209	150.00	3.58e+07	1.21 y	52:33	-	1.24	
243	IS	13C-PCB-209	100.00	1.93e+07	1.21 y	52:33	-	0.789	
244	RS	13C-PCB-194	100.00	2.45e+07	0.91 y	49:54	2.45e+05	-	

Analyst: [illegible] Date: 10/28/02

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:1 Analysis Date: 26-OCT-20 09:58:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	53.5	37.5 - 62.5
PCB-3	M/M+2	3.28	2.66-3.60	y	54.6	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	44.2	37.5 - 62.5
PCB-15	M/M+2	1.50	1.33-1.79	y	56.9	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	54.0	37.5 - 62.5
PCB-37	M/M+2	1.03	0.88-1.20	y	52.6	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	110	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	114	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	108	75.0 - 125
PCB-105	M+2/M+4	1.56	1.32-1.78	y	111	75.0 - 125
PCB-114	M+2/M+4	1.53	1.32-1.78	y	110	75.0 - 125
PCB-118	M+2/M+4	1.57	1.32-1.78	y	204	150 - 250
PCB-123	M+2/M+4	1.54	1.32-1.78	y	99.9	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	98.5	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	114	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	112	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	108	75.0 - 125
PCB-169	M+2/M+4	1.27	1.05-1.43	y	108	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	106	75.0 - 125
PCB-189	M+2/M+4	1.07	0.89-1.21	y	109	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	157	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	166	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	166	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	165	112.5 - 187.5

Analyst: [illegible] Date: 10/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:1 Analysis Date: 26-OCT-20 09:58:45

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.19	2.66-3.60	y	92.1	50.0 - 145
13C-PCB-3	M/M+2	3.22	2.66-3.60	y	86.3	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	96.5	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	94.3	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	79.2	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	111	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	88.9	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	116	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	116	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	77.7	50.0 - 145
13C-PCB-105	M+2/M+4	1.62	1.32-1.78	y	116	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	115	50.0 - 145
13C-PCB-118	M+2/M+4	1.62	1.32-1.78	y	111	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	109	50.0 - 145
13C-PCB-126	M+2/M+4	1.61	1.32-1.78	y	116	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.33	1.05-1.43	y	97.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	96.6	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	95.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	101	50.0 - 145
13C-PCB-188	M+2/M+4	1.05	0.89-1.21	y	82.1	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	91.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	71.2	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	92.5	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	81.7	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	72.9	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	71.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	117	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	91.0	75.0 - 125

Analyst: _____ Date: 10/22/20

FAL ID: ST10262OZ1 Filename: 26OCT20Z Sam:1 Acquired: 26-OCT-20 09:58:45 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10262OZ1 EndCal: ST10262OZ2
Results: 26OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.91e+07	3.20 y	14:38	1.21	53.5		2.50	-	-	*	-
13C-PCB-1	4.49e+07	3.19 y	14:37	0.90	92.1		2.50				92.1
PCB-3	2.92e+07	3.28 y	17:04	1.23	54.6		2.50	-	-	*	-
13C-PCB-3	4.34e+07	3.22 y	17:03	0.93	86.3		2.50				86.3
PCB-4	1.74e+07	1.47 y	18:20	1.14	44.2		2.50	-	-	*	-
13C-PCB-4	3.44e+07	1.60 y	18:18	0.66	96.5		2.50				96.5
PCB-15	3.44e+07	1.50 y	23:51	1.09	56.9		2.50	-	-	*	-
13C-PCB-15	5.55e+07	1.61 y	23:49	1.09	94.3		2.50				94.3
PCB-19	1.41e+07	1.06 y	22:12	1.21	54.0		2.50	-	-	*	-
13C-PCB-19	2.16e+07	1.08 y	22:12	0.50	79.2		2.50				79.2
13C-PCB-9	5.42e+07	1.60 y	19:59	-	53.1		2.50				
PCB-37	2.83e+07	1.03 y	30:30	1.14	52.6		2.50	-	-	*	-
13C-PCB-37	4.71e+07	1.07 y	30:28	1.64	111		2.50				111
PCB-54	3.77e+07	0.81 y	25:45	1.18	110		2.50	-	-	*	-
13C-PCB-54	2.89e+07	0.81 y	25:44	1.26	88.9		2.50				88.9
PCB-104	2.45e+07	1.58 y	30:11	1.12	108		2.50	-	-	*	-
13C-PCB-104	2.04e+07	1.61 y	30:09	1.02	77.7		2.50				77.7
13C-PCB-28	5.22e+07	1.06 y	26:47	1.73	117		2.50				117
13C-PCB-52	2.58e+07	0.82 y	29:04	-	48.5		2.50				
PCB-81	5.03e+07	0.79 y	36:15	1.13	114		2.50	-	-	*	-
13C-PCB-81	3.89e+07	0.81 y	36:13	1.57	116		2.50				116
PCB-77	4.51e+07	0.79 y	36:49	1.10	103		2.50	-	-	*	-
13C-PCB-77	3.99e+07	0.80 y	36:47	1.61	116		2.50				116
PCB-155	2.48e+07	1.28 y	34:21	1.13	98.5		2.50	-	-	*	-
13C-PCB-155	2.22e+07	1.28 y	34:18	1.10	93.9		2.50				93.9
13C-PCB-111	2.75e+07	1.62 y	36:23	1.27	101		2.50				101
13C-PCB-101	2.14e+07	1.61 y	34:45	-	44.9		2.50				
PCB-123	3.61e+07	1.54 y	38:27	1.11	99.9		2.50	-	-	*	-
13C-PCB-123	3.25e+07	1.60 y	38:26	1.28	109		2.50				109
PCB-118	8.00e+07	1.57 y	38:39	1.12	204		2.50	-	-	*	-
13C-PCB-118	3.50e+07	1.62 y	38:36	1.35	111		2.50				111
PCB-114	4.29e+07	1.53 y	39:15	1.13	110		2.50	-	-	*	-
13C-PCB-114	3.45e+07	1.59 y	39:14	1.29	115		2.50				115
PCB-105	4.22e+07	1.56 y	40:03	1.10	111		2.50	-	-	*	-
13C-PCB-105	3.45e+07	1.62 y	40:01	1.28	116		2.50				116
PCB-126	3.94e+07	1.55 y	42:10	1.08	110		2.50	-	-	*	-
13C-PCB-126	3.31e+07	1.61 y	42:10	1.23	116		2.50				116
PCB-167	3.27e+07	1.25 y	43:32	1.11	108		2.50	-	-	*	-
13C-PCB-167	2.73e+07	1.29 y	43:30	1.23	95.7		2.50				95.7
PCB-156	3.45e+07	1.25 y	44:46	1.13	114		2.50	-	-	*	-
13C-PCB-156	2.68e+07	1.33 y	44:44	1.19	97.1		2.50				97.1
PCB-157	3.30e+07	1.24 y	45:01	1.08	112		2.50	-	-	*	-
13C-PCB-157	2.72e+07	1.27 y	44:59	1.21	96.6		2.50				96.6
PCB-169	3.19e+07	1.27 y	46:51	1.08	108		2.50	-	-	*	-
13C-PCB-169	2.73e+07	1.28 y	46:49	1.17	101		2.50				101
PCB-188	2.49e+07	1.06 y	39:50	1.10	106		2.50	-	-	*	-
13C-PCB-188	2.15e+07	1.05 y	39:48	1.13	82.1		2.50				82.1
PCB-189	2.38e+07	1.07 y	48:32	1.07	109		2.50	-	-	*	-
13C-PCB-189	2.05e+07	1.08 y	48:30	0.97	91.6		2.50				91.6
PCB-202	2.56e+07	0.91 y	44:56	1.03	157		2.50	-	-	*	-
13C-PCB-202	1.58e+07	0.92 y	44:56	0.96	71.2		2.50				71.2
13C-PCB-178	1.64e+07	1.08 y	42:26	0.78	91.0		2.50				91.0
13C-PCB-138	2.32e+07	1.31 y	41:40	-	48.3		2.50				

FAL ID: ST102620Z1 Filename: 26OCT20Z Sam:1 Acquired: 26-OCT-20 09:58:45 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 26OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.11e+07	0.91	y	50:10	1.09	158	2.50	-	-	*	-
13C-PCB-205	2.98e+07	0.91	y	50:10	1.32	92.5	2.50				92.5
PCB-208	4.11e+07	1.37	y	49:14	1.01	166	2.50	-	-	*	-
13C-PCB-208	2.45e+07	0.82	y	49:13	1.38	72.9	2.50				72.9
PCB-206	3.23e+07	1.35	y	51:23	1.04	166	2.50	-	-	*	-
13C-PCB-206	1.87e+07	0.81	y	51:21	0.94	81.7	2.50				81.7
PCB-209	3.58e+07	1.21	y	52:33	1.13	165	2.50	-	-	*	-
13C-PCB-209	1.93e+07	1.21	y	52:33	1.10	71.5	2.50				71.5
13C-PCB-194	2.45e+07	0.91	y	49:54	-	64.2	2.50				

Analyst: _____ Date: 10/26/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/26/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:15 Analysis Date: 26-OCT-20 23:37:02

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.17	2.66-3.60	y	54.9	37.5 - 62.5
PCB-3	M/M+2	3.18	2.66-3.60	y	55.2	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	60.6	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	53.7	37.5 - 62.5
PCB-19	M/M+2	1.11	0.88-1.20	y	55.5	37.5 - 62.5
PCB-37	M/M+2	1.08	0.88-1.20	y	55.2	37.5 - 62.5
PCB-54	M/M+2	0.77	0.65-0.89	y	103	75.0 - 125
PCB-77	M/M+2	0.85	0.65-0.89	y	93.4	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	97.4	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.67	1.32-1.78	y	105	75.0 - 125
PCB-114	M+2/M+4	1.62	1.32-1.78	y	99.0	75.0 - 125
PCB-118	M+2/M+4	1.65	1.32-1.78	y	206	150 - 250
PCB-123	M+2/M+4	1.65	1.32-1.78	y	104	75.0 - 125
PCB-126	M+2/M+4	1.67	1.32-1.78	y	101	75.0 - 125
PCB-155	M+2/M+4	1.32	1.05-1.43	y	114	75.0 - 125
PCB-156	M+2/M+4	1.23	1.05-1.43	y	96.9	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	99.7	75.0 - 125
PCB-167	M+2/M+4	1.23	1.05-1.43	y	98.9	75.0 - 125
PCB-169	M+2/M+4	1.25	1.05-1.43	y	99.8	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	105	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	158	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	151	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	148	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	146	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	152	112.5 - 187.5

Analyst: _____ Date: 10/28/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/26/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:15 Analysis Date: 26-OCT-20 23:37:02

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.35	2.66-3.60	y	90.4	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	86.3	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	103	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	87.3	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	80.5	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	67.6	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	114	50.0 - 145
13C-PCB-77	M/M+2	0.78	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	92.5	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	85.9	50.0 - 145
13C-PCB-114	M+2/M+4	1.58	1.32-1.78	y	87.1	50.0 - 145
13C-PCB-118	M+2/M+4	1.58	1.32-1.78	y	97.8	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	93.0	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	86.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	83.2	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	97.0	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	95.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	94.4	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	89.3	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	97.8	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	83.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	82.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	99.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	109	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	118	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	104	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.00	0.88-1.20	y	81.9	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	98.6	75.0 - 125
13C-PCB-178	M+2/M+4	1.13	0.89-1.21	y	91.7	75.0 - 125

Analyst: [signature] Date: 10/26/20

FAL ID: ST10262022 Filename: 26OCT20Z Sam:15 Acquired: 26-OCT-20 23:37:02 ICal: DAILY209FAL4-10-26-20 1 of 2
Client ID: CS209 200406A ConCal: ST10262021 EndCal: ST10262022
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.90e+07	3.17 y	14:34	1.30	54.9		2.50	-	-	*	
13C-PCB-1	4.07e+07	3.35 y	14:33	0.83	90.4		2.50				90.4
PCB-3	2.80e+07	3.18 y	16:60	1.34	55.2		2.50	-	-	*	
13C-PCB-3	3.77e+07	3.39 y	16:59	0.80	86.3		2.50				86.3
PCB-4	2.18e+07	1.49 y	18:15	1.01	60.6		2.50	-	-	*	
13C-PCB-4	3.56e+07	1.56 y	18:13	0.64	103		2.50				103
PCB-15	3.24e+07	1.54 y	23:46	1.24	53.7		2.50	-	-	*	
13C-PCB-15	4.87e+07	1.60 y	23:44	1.02	87.3		2.50				87.3
PCB-19	1.27e+07	1.11 y	22:08	1.31	55.5		2.50	-	-	*	
13C-PCB-19	1.75e+07	1.10 y	22:06	0.40	80.5		2.50				80.5
13C-PCB-9	5.44e+07	1.58 y	19:53	-	100		2.50				
PCB-37	1.84e+07	1.08 y	30:24	1.20	55.2		2.50	-	-	*	
13C-PCB-37	2.77e+07	1.06 y	30:22	1.83	67.6		2.50				67.6
PCB-54	3.85e+07	0.77 y	25:39	1.30	103		2.50	-	-	*	
13C-PCB-54	2.88e+07	0.81 y	25:38	1.12	114		2.50				114
PCB-104	2.25e+07	1.58 y	30:05	1.20	103		2.50	-	-	*	
13C-PCB-104	1.82e+07	1.60 y	30:03	0.79	102		2.50				102
13C-PCB-28	3.73e+07	1.00 y	26:42	2.03	81.9		2.50				81.9
13C-PCB-52	2.24e+07	0.80 y	28:58	-	87.1		2.50				
PCB-81	4.00e+07	0.79 y	36:10	1.29	97.4		2.50	-	-	*	
13C-PCB-81	3.18e+07	0.80 y	36:08	1.82	92.5		2.50				92.5
PCB-77	3.45e+07	0.85 y	36:43	1.13	93.4		2.50	-	-	*	
13C-PCB-77	3.26e+07	0.78 y	36:43	1.87	92.6		2.50				92.6
PCB-155	2.07e+07	1.32 y	34:15	1.12	114		2.50	-	-	*	
13C-PCB-155	1.63e+07	1.34 y	34:13	1.04	83.2		2.50				83.2
13C-PCB-111	2.40e+07	1.61 y	36:17	1.29	98.6		2.50				98.6
13C-PCB-101	1.89e+07	1.65 y	34:39	-	88.4		2.50				
PCB-123	3.24e+07	1.65 y	38:21	1.11	104		2.50	-	-	*	
13C-PCB-123	2.80e+07	1.58 y	38:19	1.40	93.0		2.50				93.0
PCB-118	7.47e+07	1.65 y	38:33	1.14	206		2.50	-	-	*	
13C-PCB-118	3.17e+07	1.58 y	38:29	1.51	97.8		2.50				97.8
PCB-114	3.42e+07	1.62 y	39:09	1.24	99.0		2.50	-	-	*	
13C-PCB-114	2.78e+07	1.58 y	39:07	1.49	87.1		2.50				87.1
PCB-105	3.53e+07	1.67 y	39:57	1.22	105		2.50	-	-	*	
13C-PCB-105	2.75e+07	1.60 y	39:57	1.49	85.9		2.50				85.9
PCB-126	3.19e+07	1.67 y	42:05	1.19	101		2.50	-	-	*	
13C-PCB-126	2.65e+07	1.59 y	42:03	1.42	86.5		2.50				86.5
PCB-167	2.83e+07	1.23 y	43:26	1.20	98.9		2.50	-	-	*	
13C-PCB-167	2.39e+07	1.30 y	43:26	1.18	94.4		2.50				94.4
PCB-156	3.00e+07	1.23 y	44:40	1.29	96.9		2.50	-	-	*	
13C-PCB-156	2.40e+07	1.27 y	44:38	1.15	97.0		2.50				97.0
PCB-157	2.91e+07	1.28 y	44:56	1.21	99.7		2.50	-	-	*	
13C-PCB-157	2.41e+07	1.30 y	44:54	1.17	95.5		2.50				95.5
PCB-169	2.63e+07	1.25 y	46:46	1.17	99.8		2.50	-	-	*	
13C-PCB-169	2.26e+07	1.29 y	46:46	1.18	89.3		2.50				89.3
PCB-188	2.31e+07	1.06 y	39:43	1.16	103		2.50	-	-	*	
13C-PCB-188	1.94e+07	1.10 y	39:42	0.93	97.8		2.50				97.8
PCB-189	1.92e+07	1.08 y	48:27	1.16	105		2.50	-	-	*	
13C-PCB-189	1.58e+07	1.09 y	48:25	0.88	83.1		2.50				83.1
PCB-202	2.06e+07	0.93 y	44:51	1.08	158		2.50	-	-	*	
13C-PCB-202	1.21e+07	0.93 y	44:49	0.68	82.7		2.50				82.7
13C-PCB-178	1.39e+07	1.13 y	42:20	0.71	91.7		2.50				91.7
13C-PCB-138	2.15e+07	1.29 y	41:34	-	92.6		2.50				

FAL ID: ST102620Z2 Filename: 26OCT20Z Sam:15 Acquired: 26-OCT-20 23:37:02 ICal: DAILY209FAL4-10-26-20 2 of 2
Client ID: CS209 200406A ConCal: ST102620Z1 EndCal: ST102620Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	4.42e+07	0.93 y	50:06	1.14	151	2.50	-	-	*	
13C-PCB-205	2.57e+07	0.90 y	50:06	1.22	99.2	2.50				99.2
PCB-208	4.12e+07	1.33 y	49:11	1.12	146	2.50	-	-	*	
13C-PCB-208	2.52e+07	0.81 y	49:09	1.00	118	2.50				118
PCB-206	3.02e+07	1.34 y	51:18	1.15	148	2.50	-	-	*	
13C-PCB-206	1.77e+07	0.80 y	51:18	0.77	109	2.50				109
PCB-209	3.28e+07	1.19 y	52:30	1.24	152	2.50	-	-	*	
13C-PCB-209	1.75e+07	1.22 y	52:28	0.79	104	2.50				104
13C-PCB-194	2.13e+07	0.90 y	49:50	-	86.9	2.50				

Analyst: _____ Date: 10/28/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:26OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

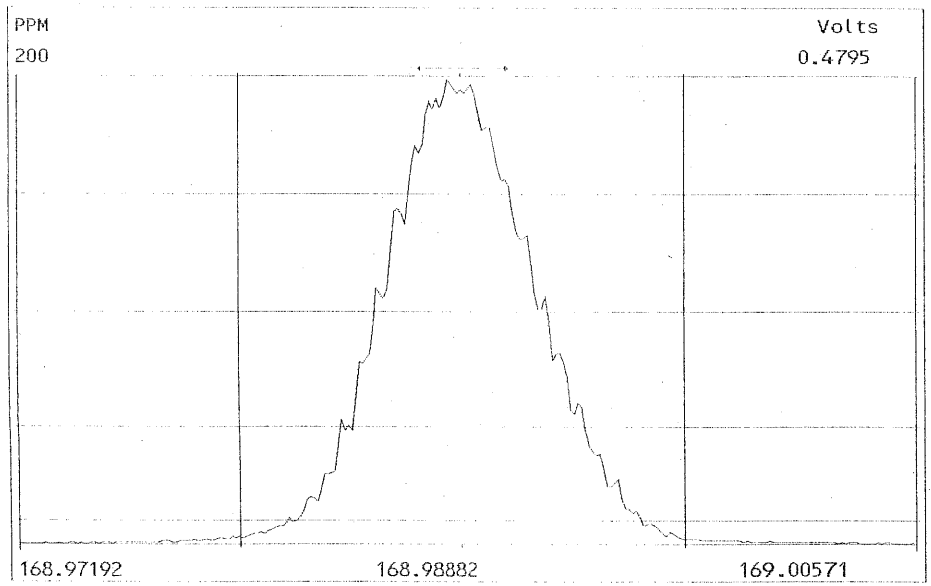
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
26OCT20Z	1	ST102620Z1	CS209 200406A	26-OCT-20 09:58:45	ST102620Z1	ST102620Z2	BS
26OCT20Z	2	05493-001-0001-OPR	OPR	26-OCT-20 10:58:26	ST102620Z1	ST102620Z2	BS
26OCT20Z	3	05493-001-0001-MB	Method Blank	26-OCT-20 11:56:47	ST102620Z1	ST102620Z2	BS
26OCT20Z	4	13371-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-S010-LONG	26-OCT-20 12:55:08	ST102620Z1	ST102620Z2	BS
26OCT20Z	5	13371-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-S010	26-OCT-20 13:53:30	ST102620Z1	ST102620Z2	BS
26OCT20Z	6	13371-018-0001-SA	LDW-Y3-SC-ENR+AC-CC-S010-LONG	26-OCT-20 14:51:51	ST102620Z1	ST102620Z2	BS
26OCT20Z	7	13373-004-0001-SA	LDW-Y3-SU-ENR-CA-S010	26-OCT-20 15:50:13	ST102620Z1	ST102620Z2	BS
26OCT20Z	8	13373-005-0001-SA	LDW-Y3-SU-ENR-CA-S010-BIO	26-OCT-20 16:48:34	ST102620Z1	ST102620Z2	BS
26OCT20Z	9	13373-006-0001-SA	LDW-Y3-SU-ENR-CB-S010	26-OCT-20 17:46:55	ST102620Z1	ST102620Z2	BS
26OCT20Z	10	13373-007-0001-SA	LDW-Y3-SU-ENR-CB-S010-BIO	26-OCT-20 18:45:16	ST102620Z1	ST102620Z2	BS
26OCT20Z	11	13373-008-0001-SA	LDW-Y3-SU-ENR-CC-S010	26-OCT-20 19:43:38	ST102620Z1	ST102620Z2	BS
26OCT20Z	12	13373-009-0001-SA	LDW-Y3-SU-ENR-CC-S010-BIO	26-OCT-20 20:41:59	ST102620Z1	ST102620Z2	BS
26OCT20Z	13	13373-012-0001-SA	LDW-Y3-SU-S010-LCB	26-OCT-20 21:40:20	ST102620Z1	ST102620Z2	BS
26OCT20Z	14	SB102620Z1	Solvent Blank	26-OCT-20 22:38:41	ST102620Z1	ST102620Z2	BS
26OCT20Z	15	ST102620Z2	CS209 200406A	26-OCT-20 23:37:02	ST102620Z1	ST102620Z2	BS

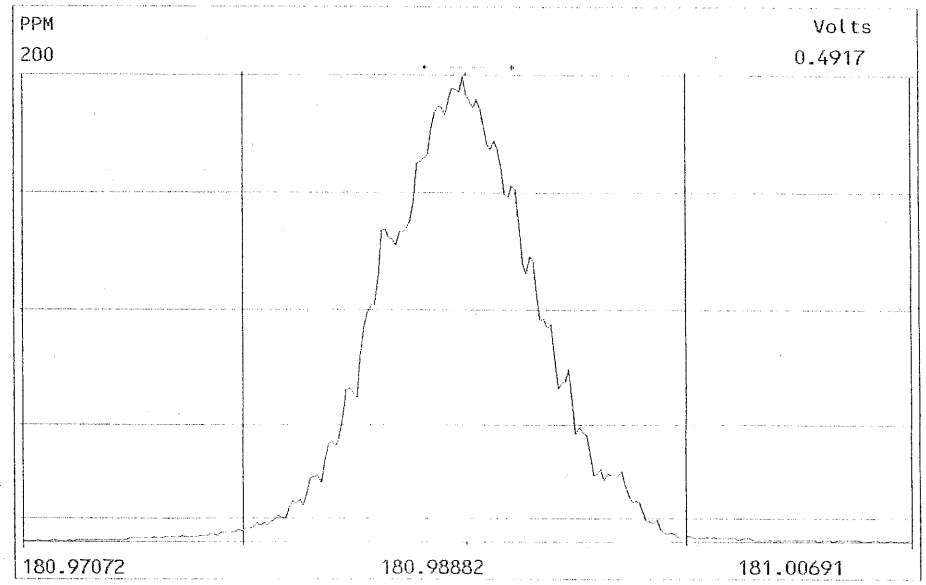
10/27/20

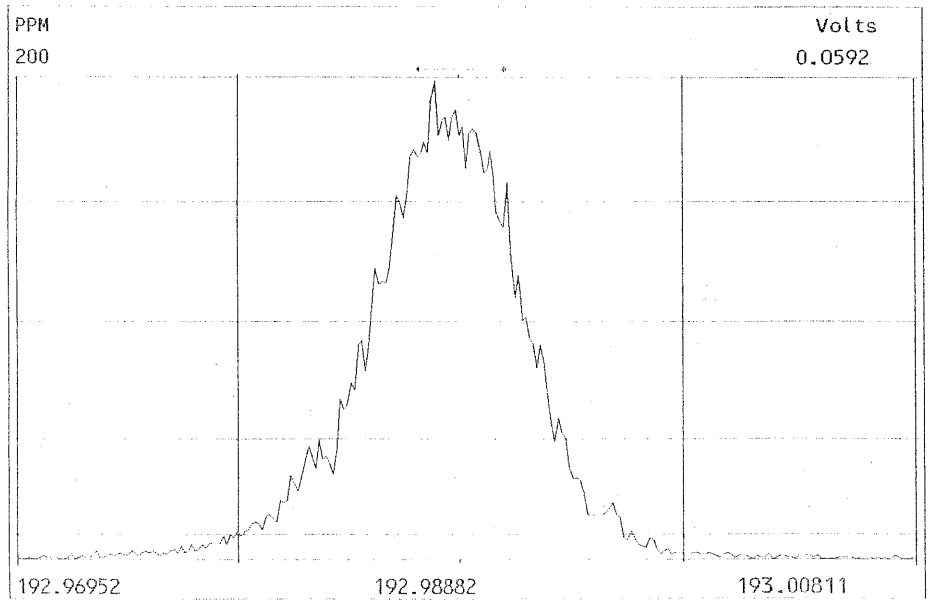
Data Backed Up:_____

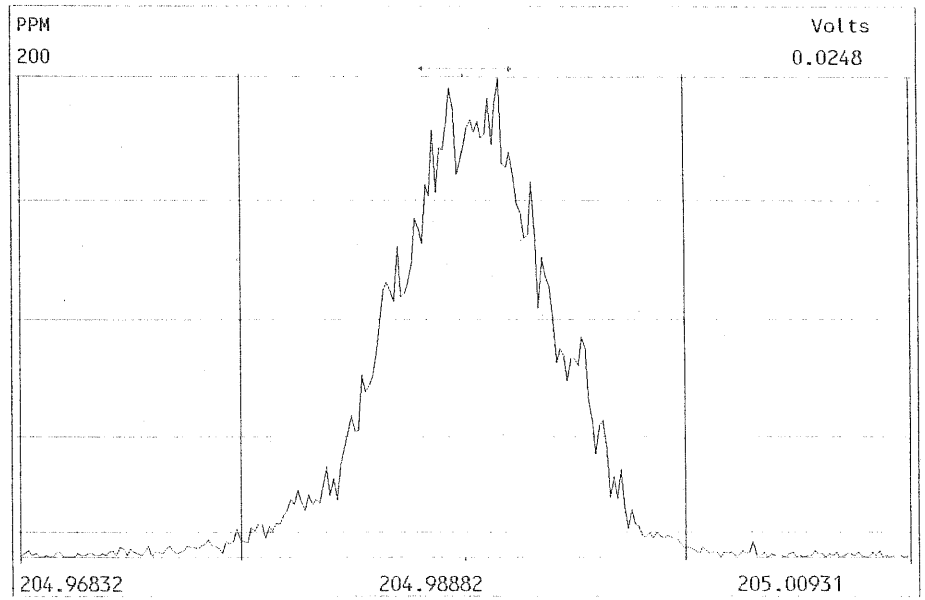
Date:_____

Peak Locate Examination:26-OCT-2020:09:55 File:26OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

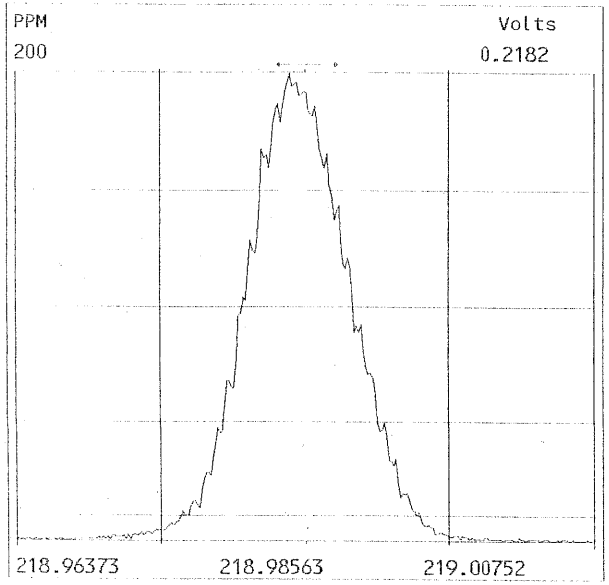


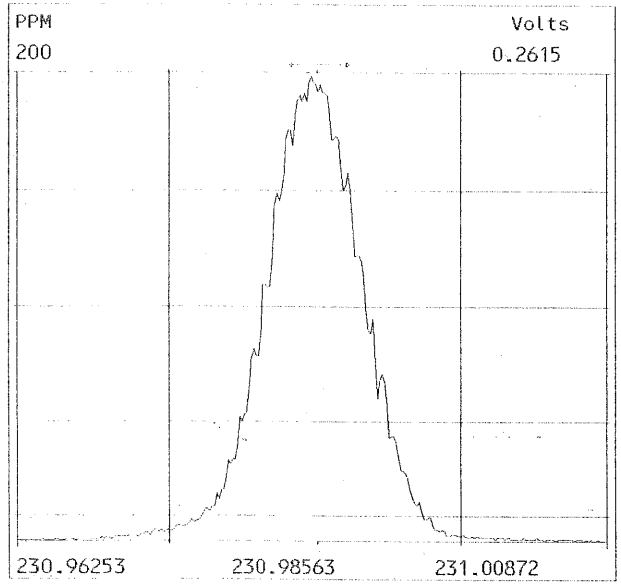


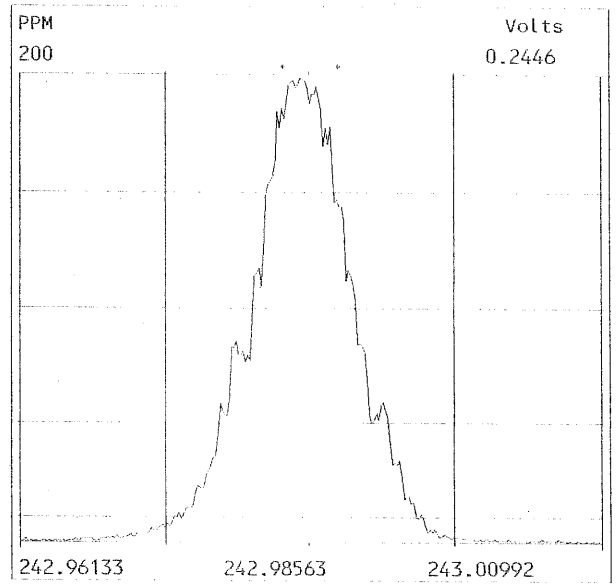


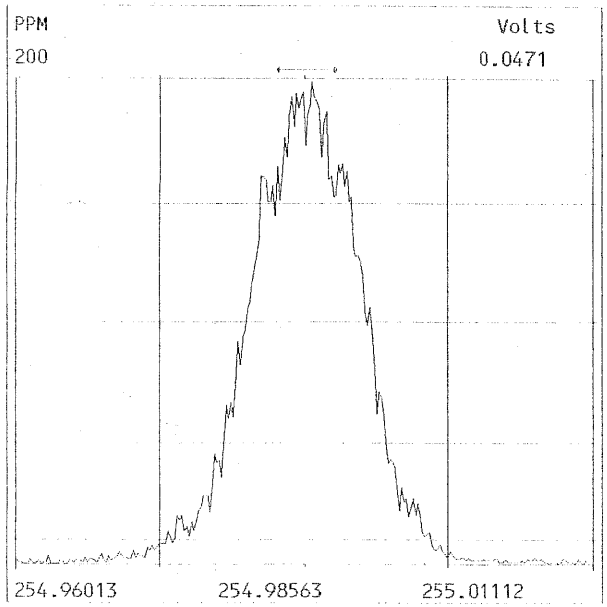


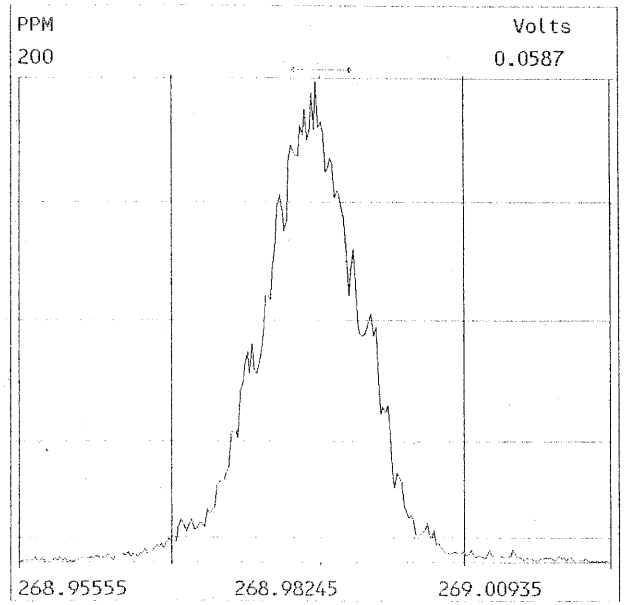
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

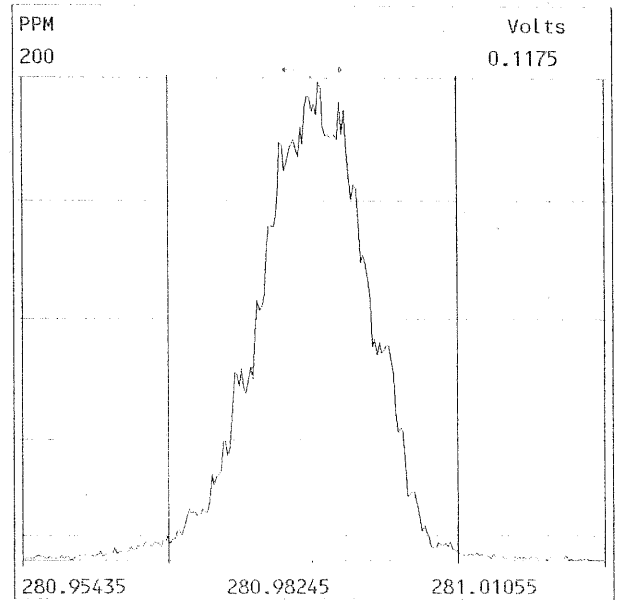




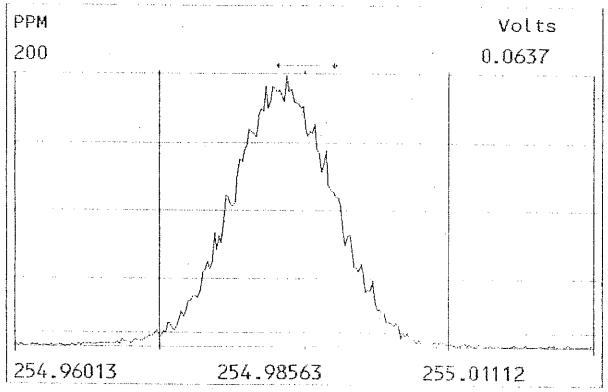


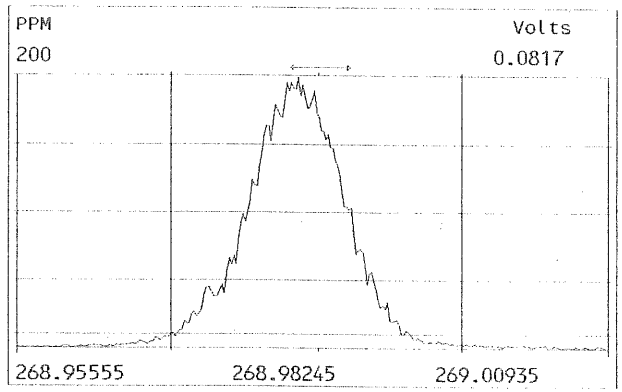


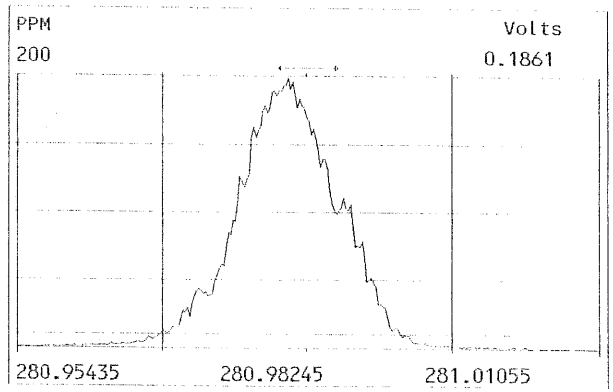


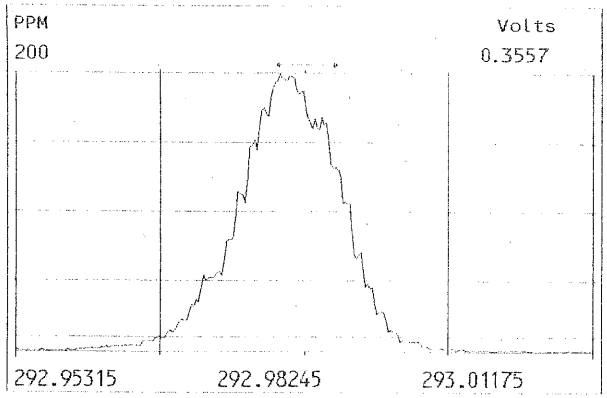


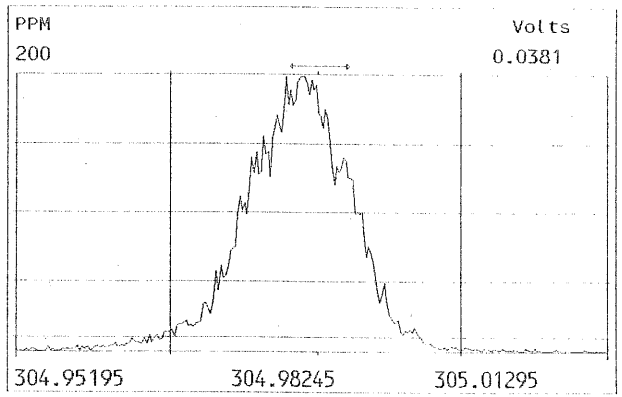
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

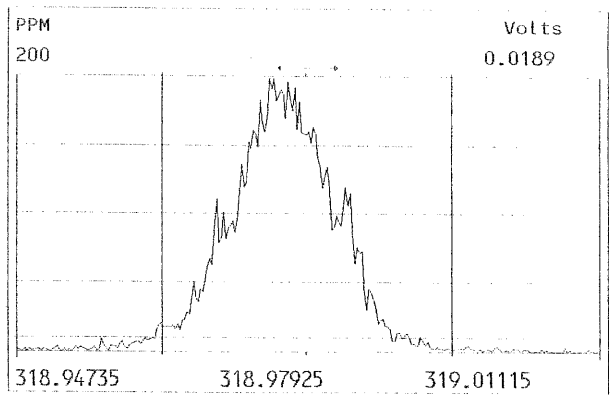


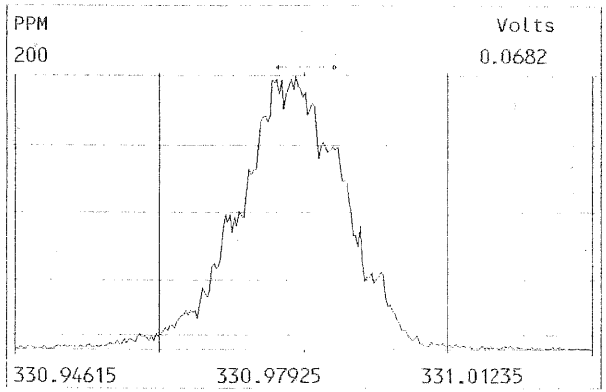


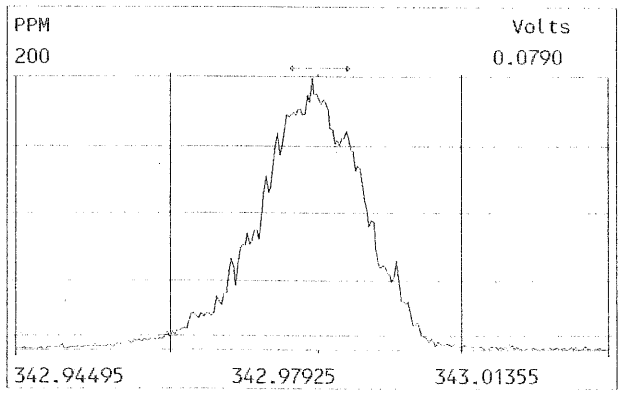




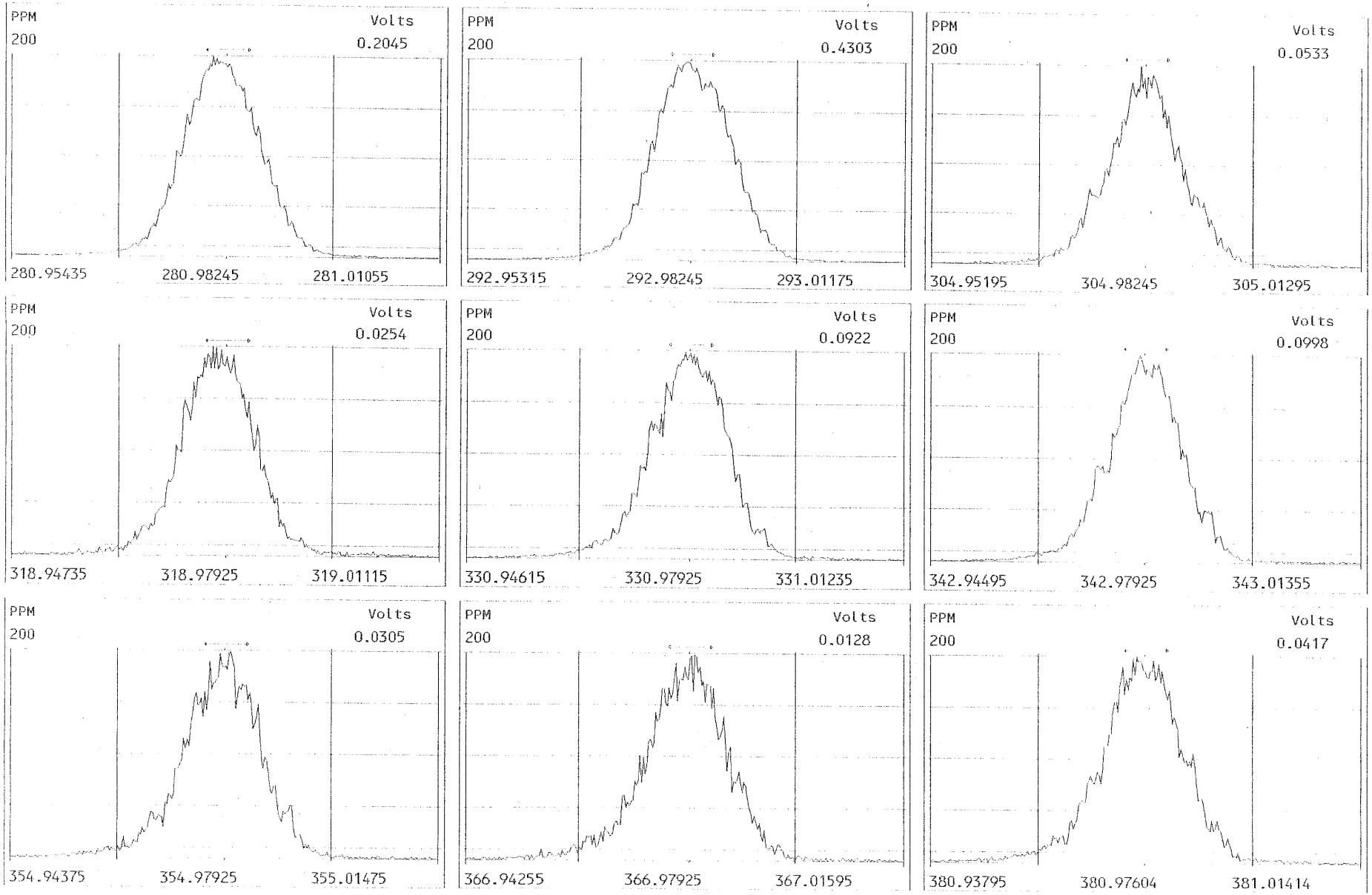




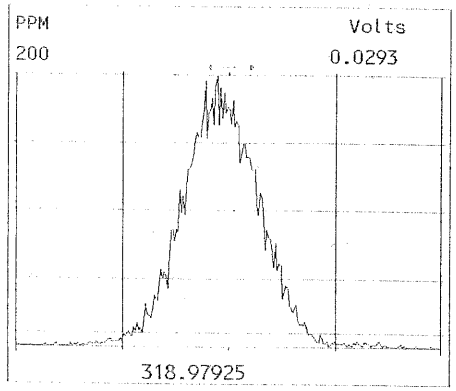


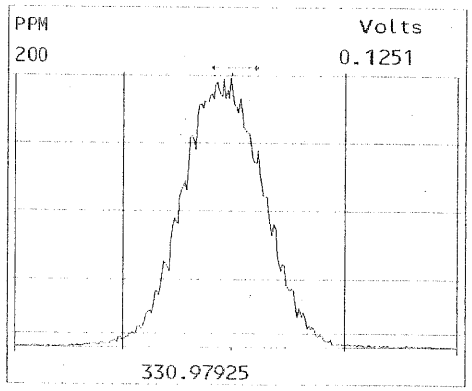


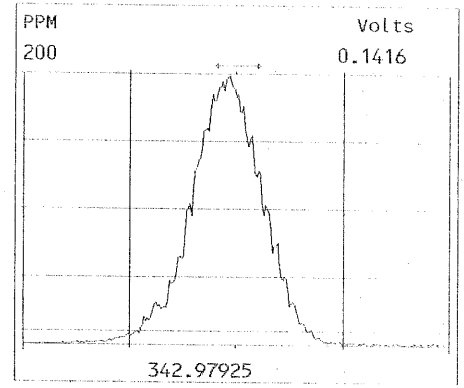
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

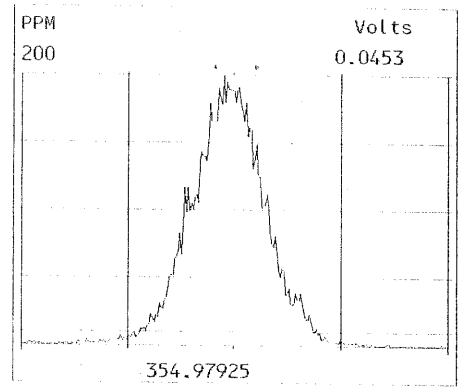


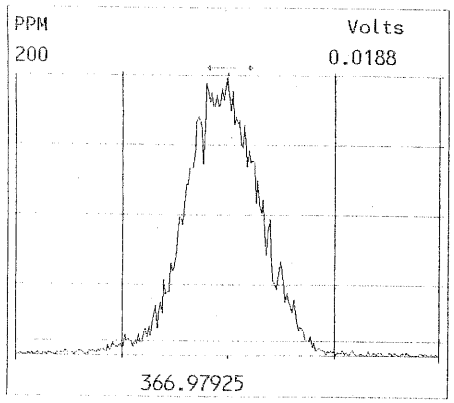
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

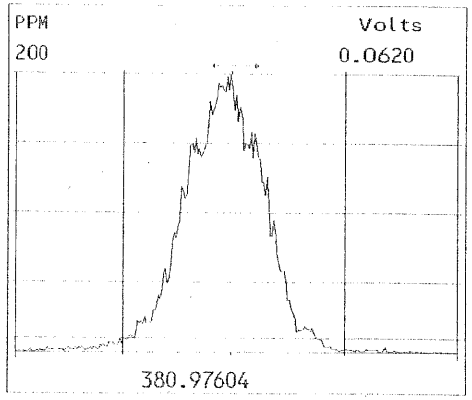


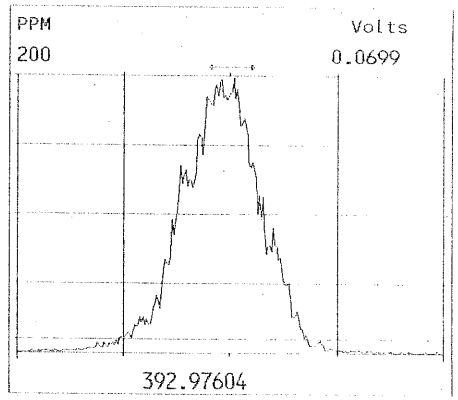


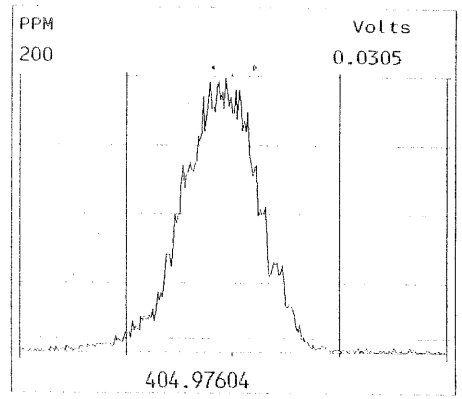


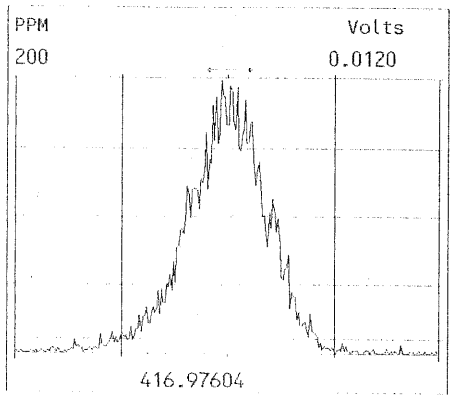


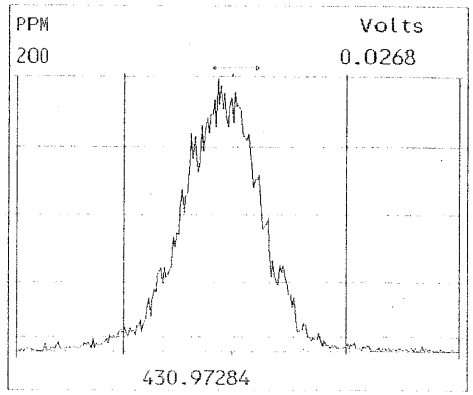


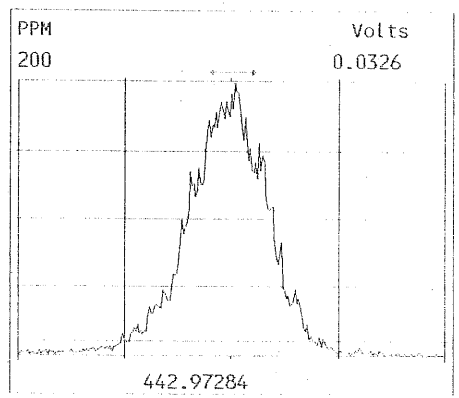






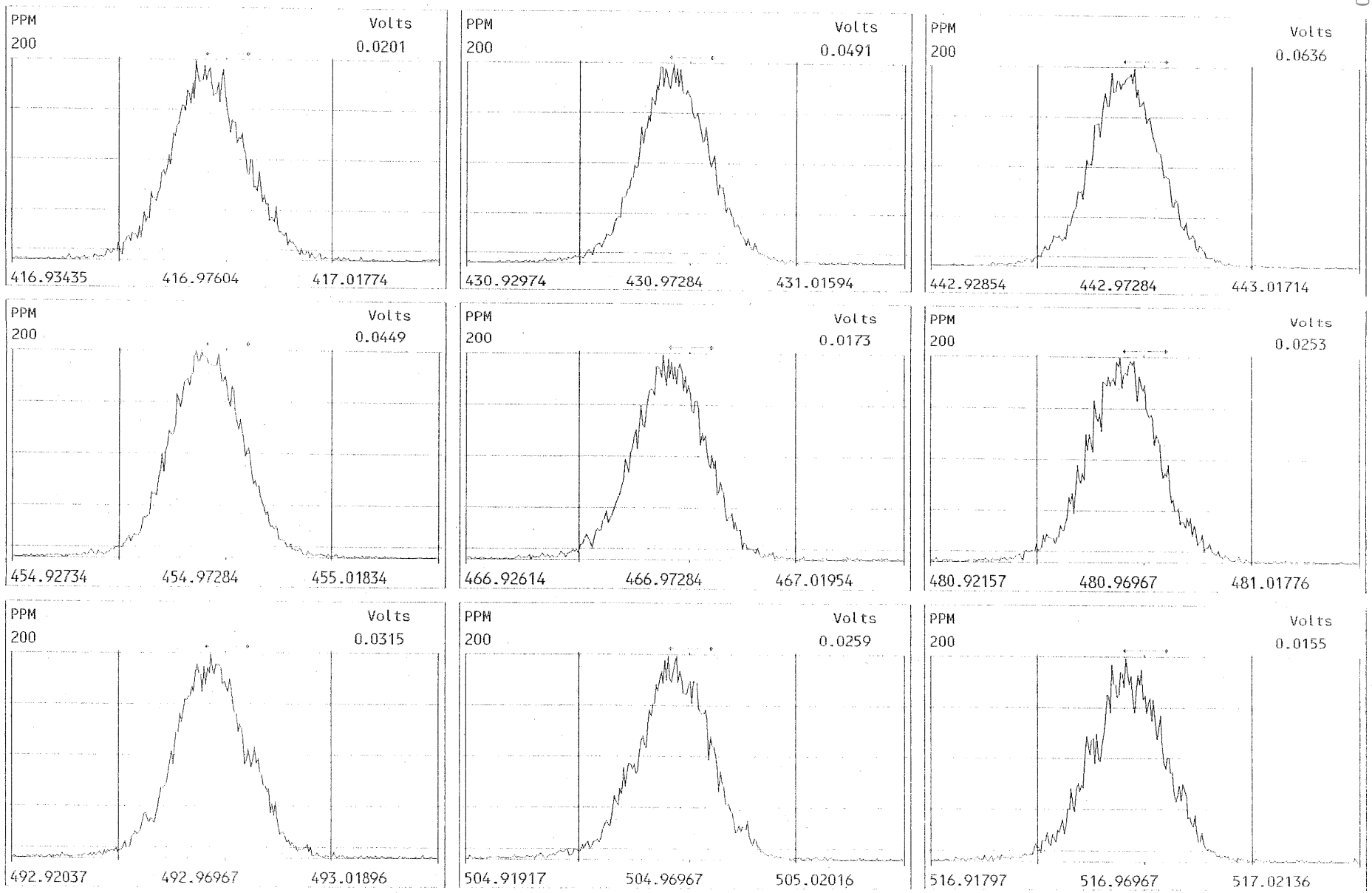




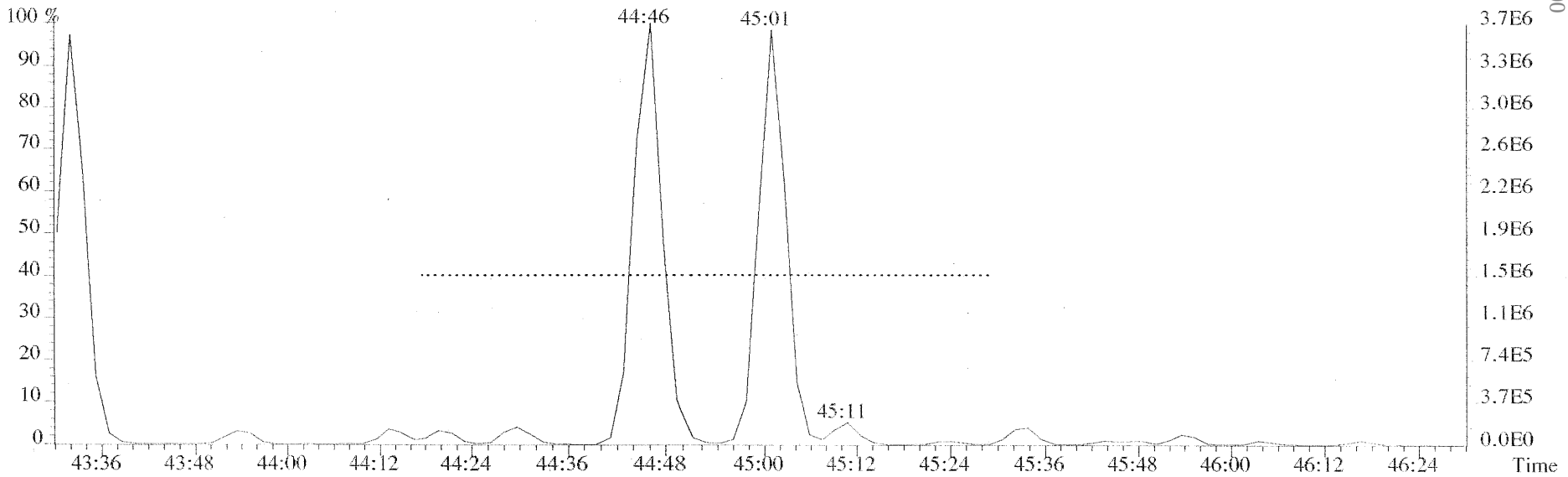


Peak Locate Examination:26-OCT-2020:09:58 File:26OCT20Z

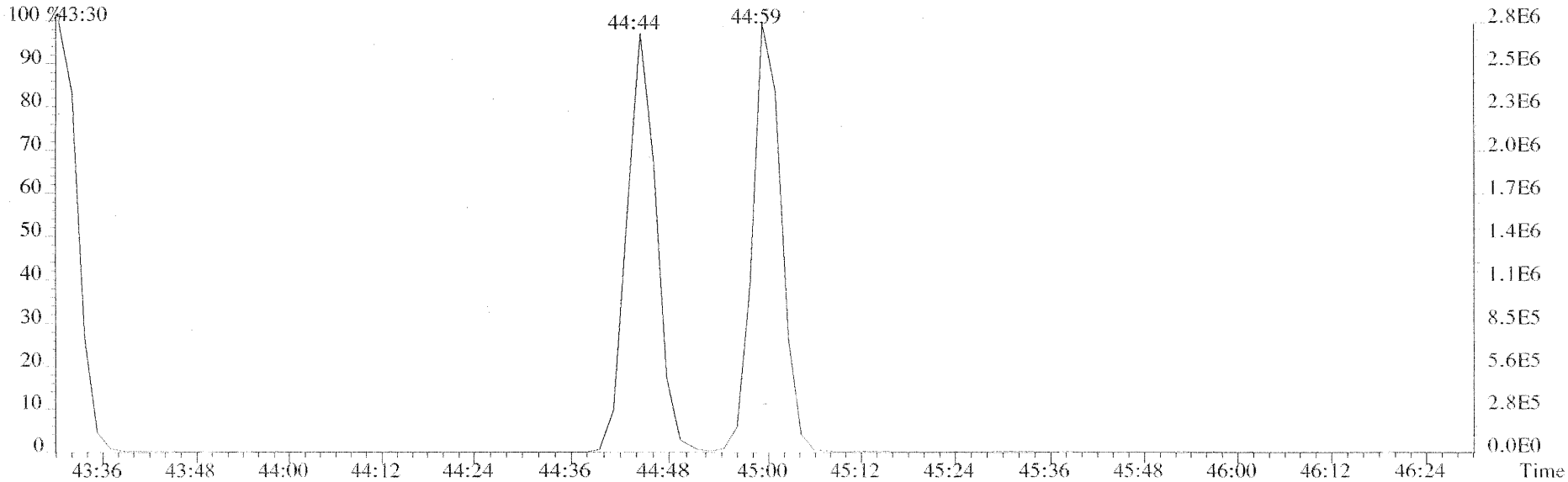
Experiment:1668PCB Function:6 Reference:PFK



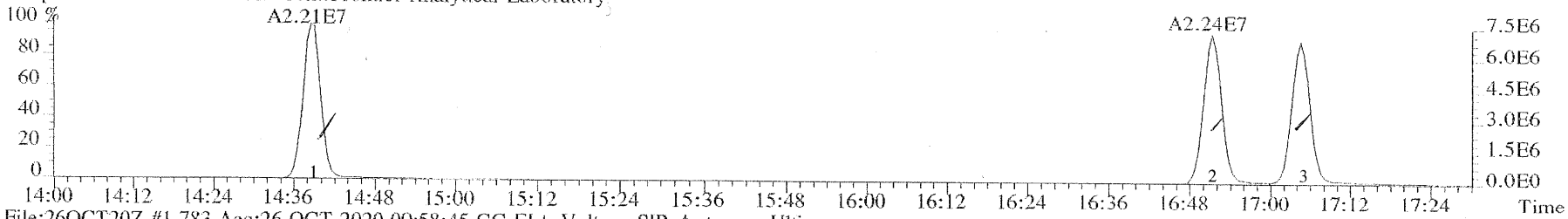
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB



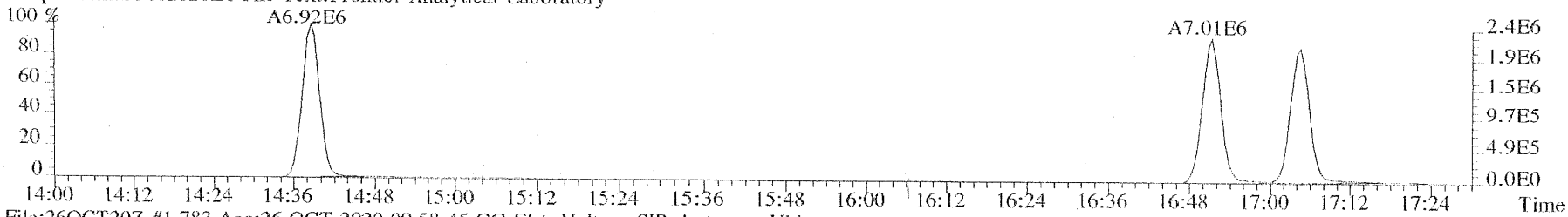
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB



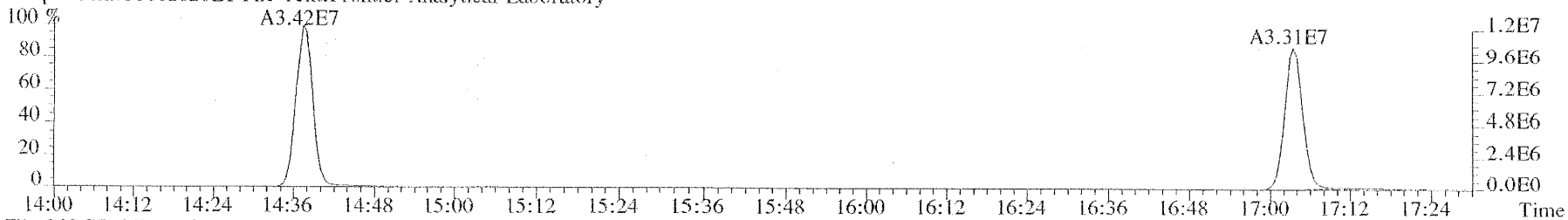
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



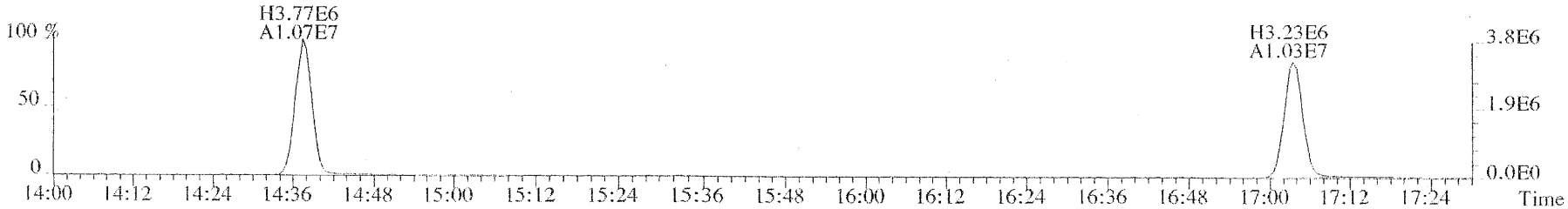
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



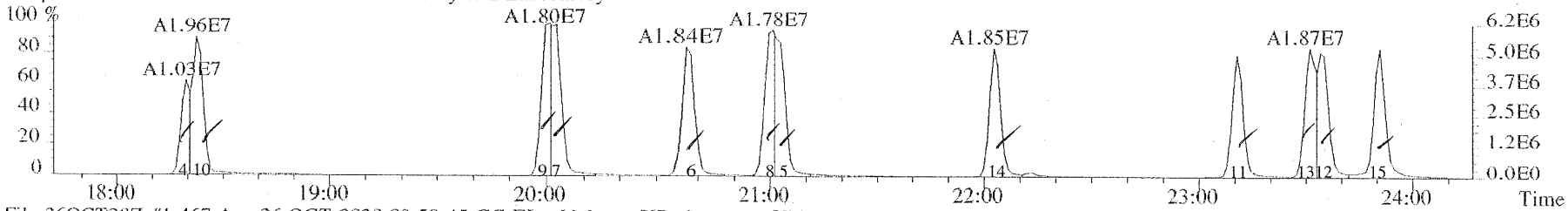
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



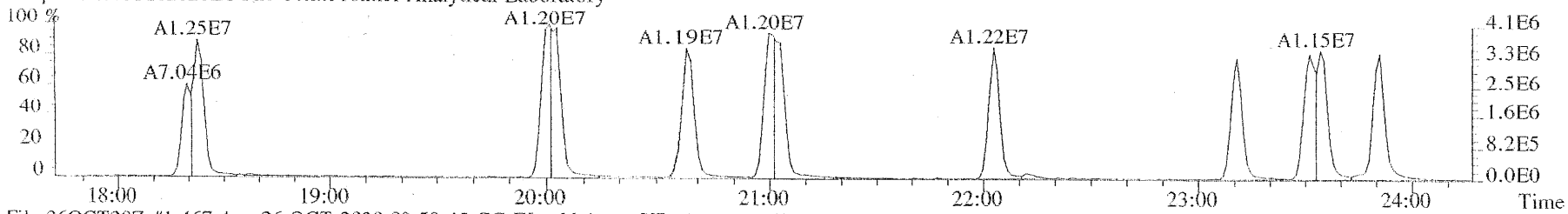
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



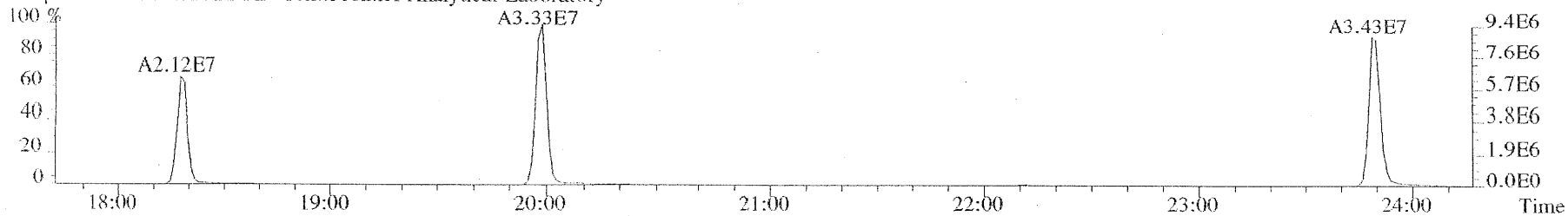
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



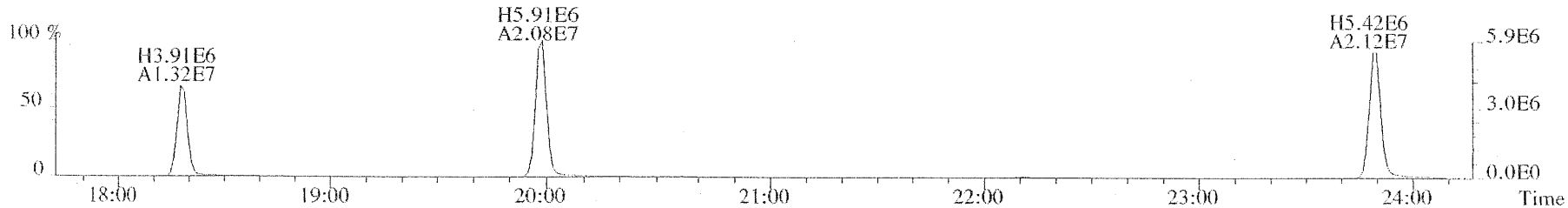
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



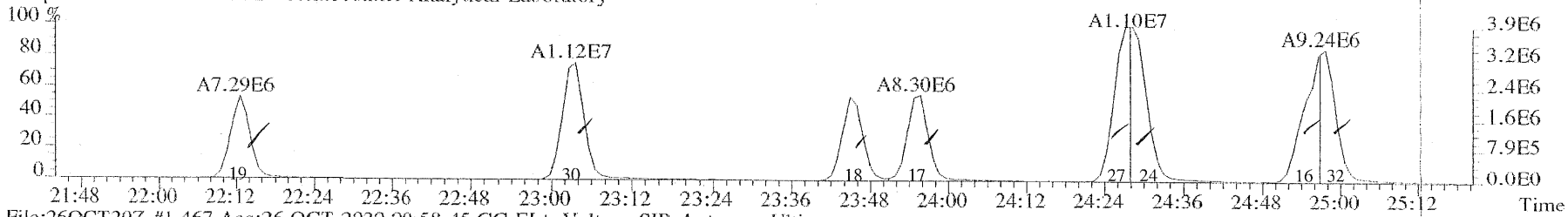
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



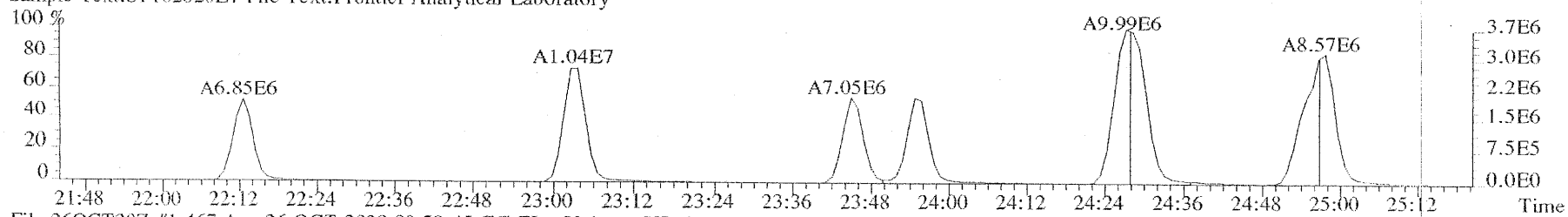
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



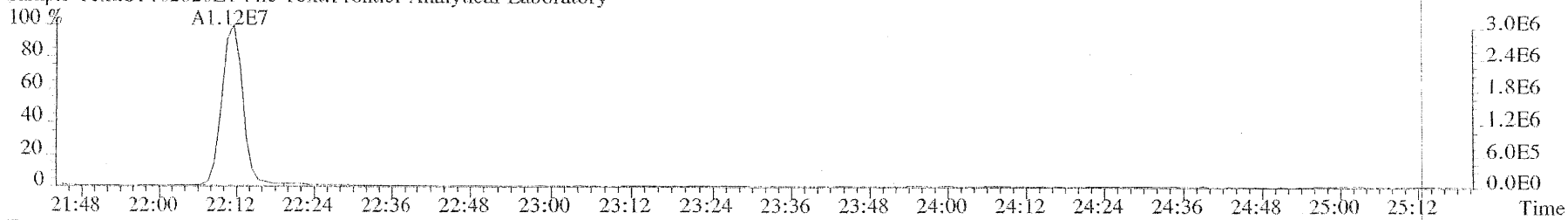
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



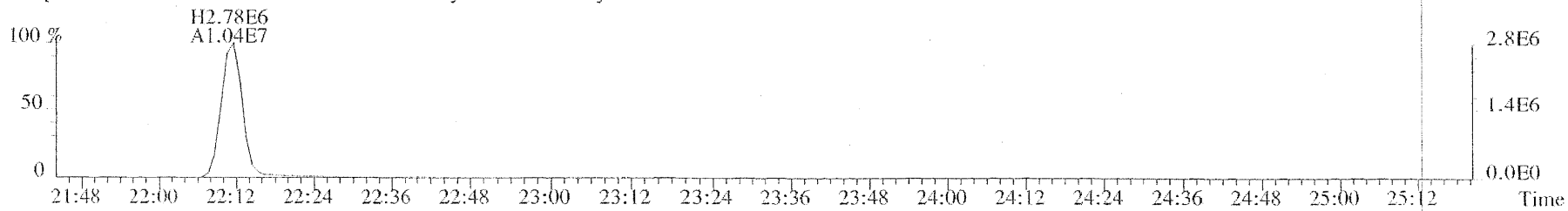
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



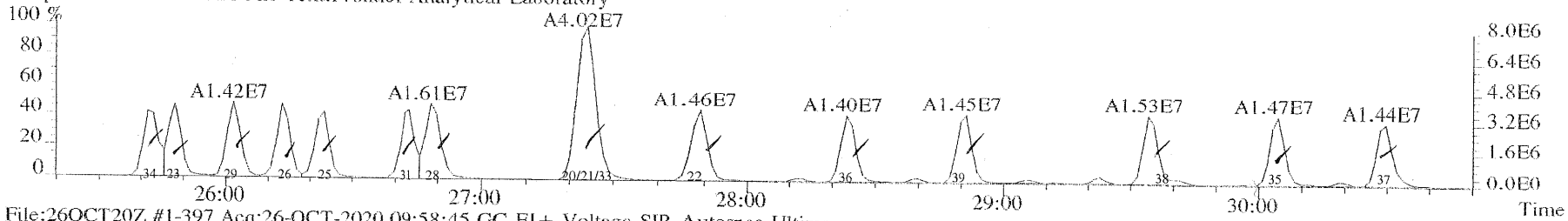
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



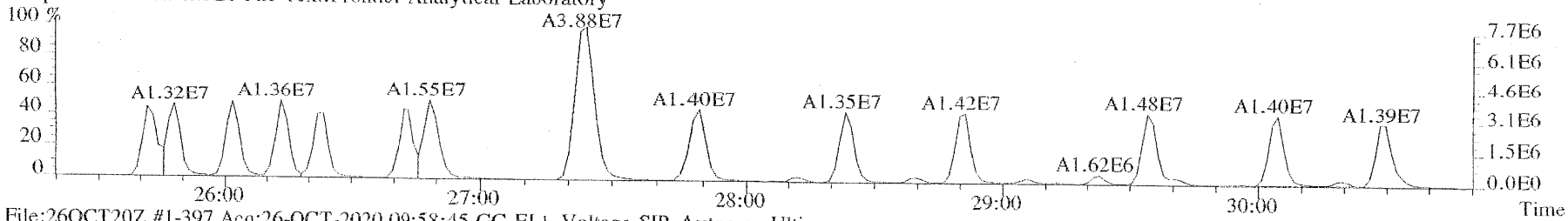
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



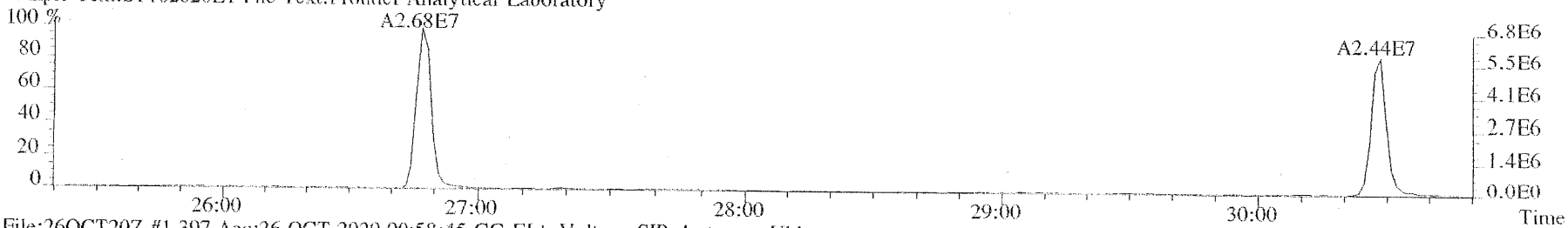
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



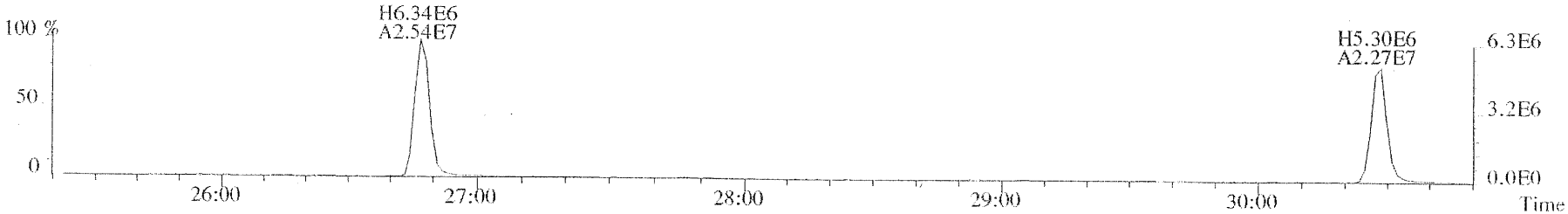
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



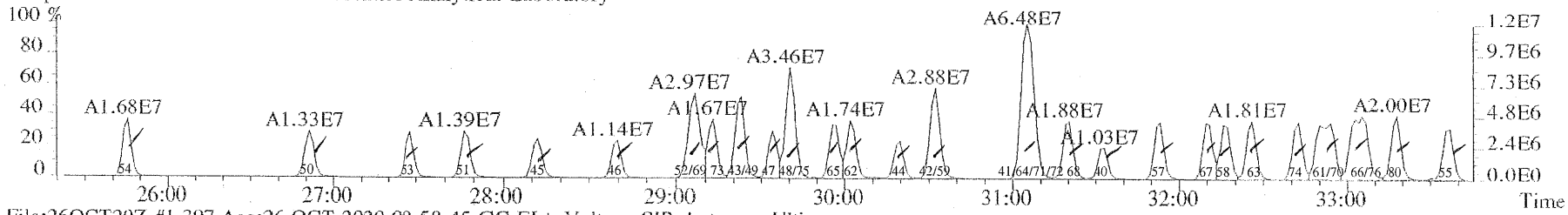
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



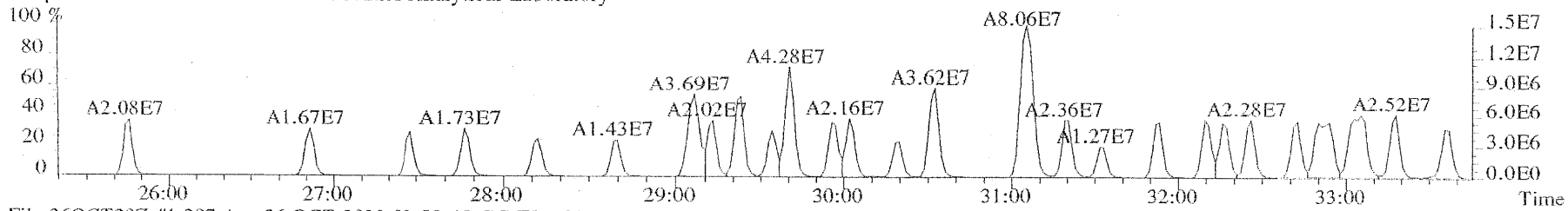
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



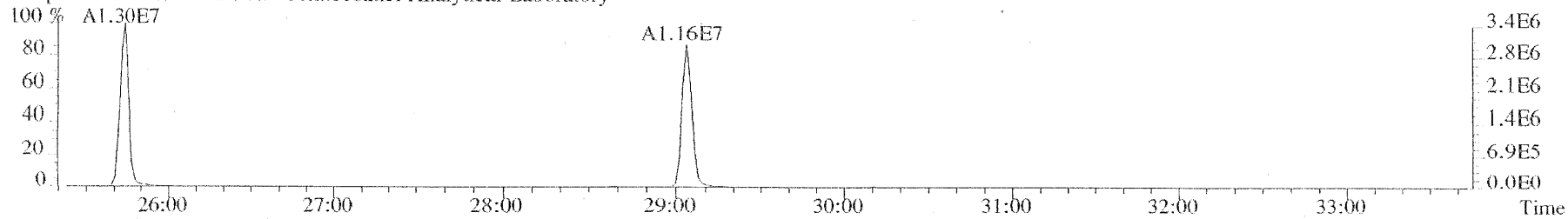
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



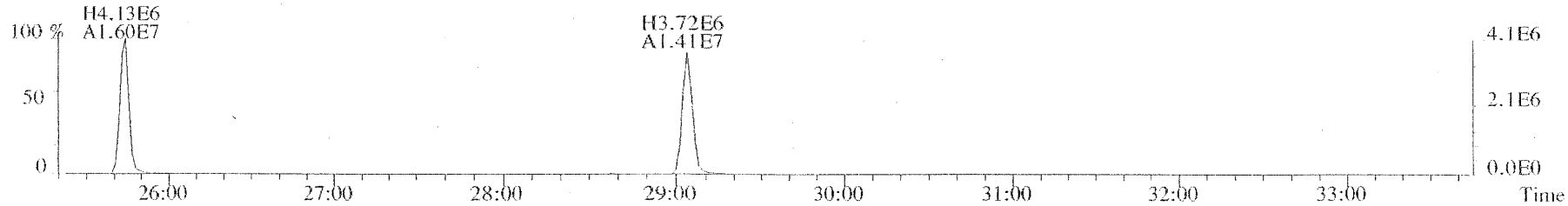
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



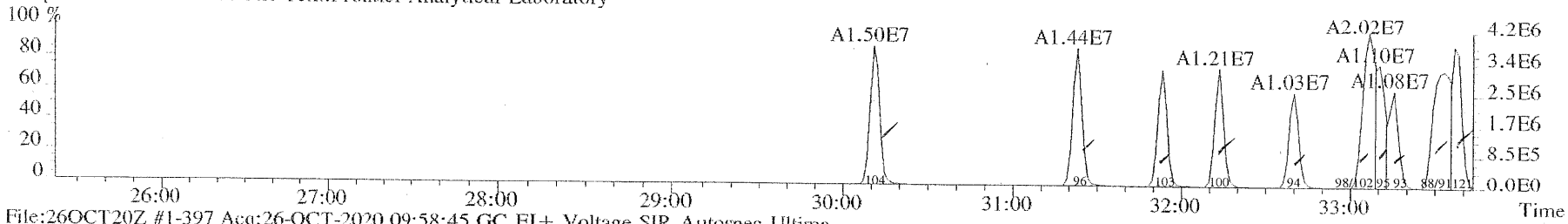
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



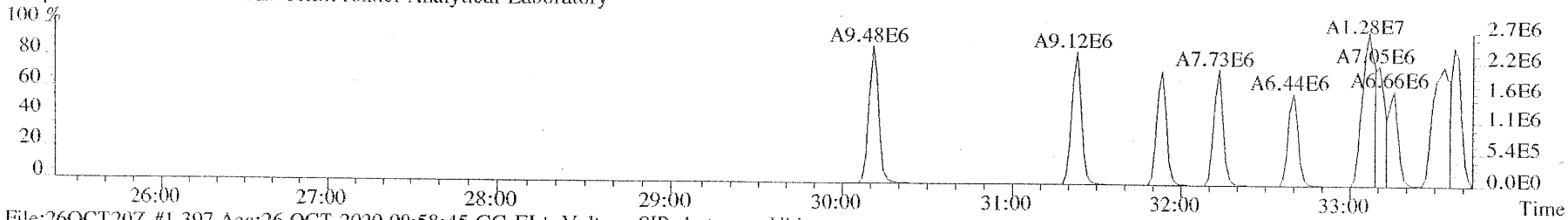
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



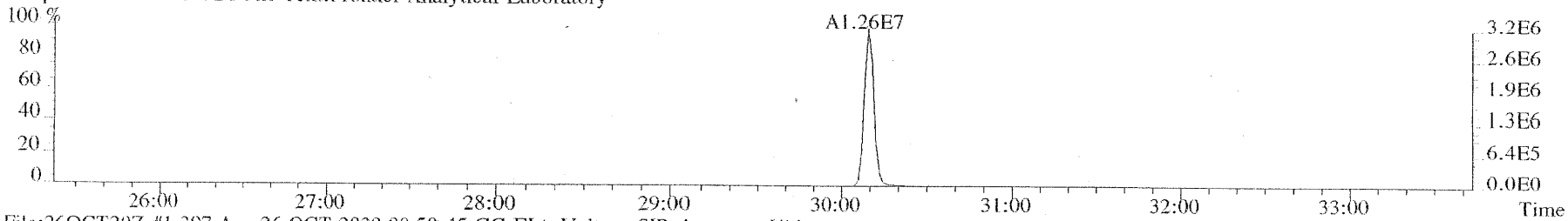
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



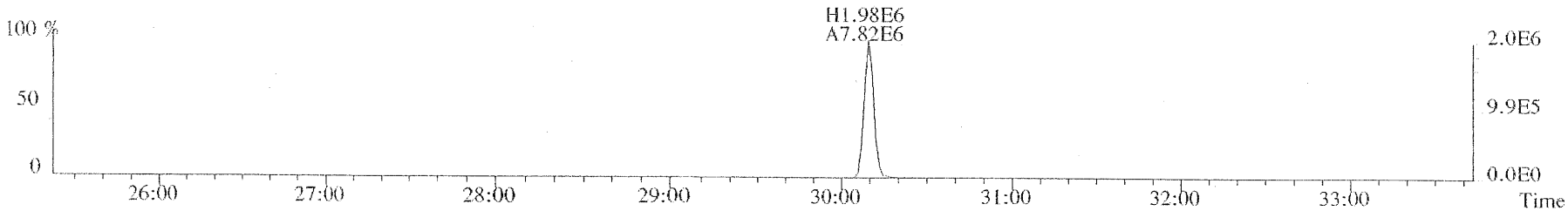
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



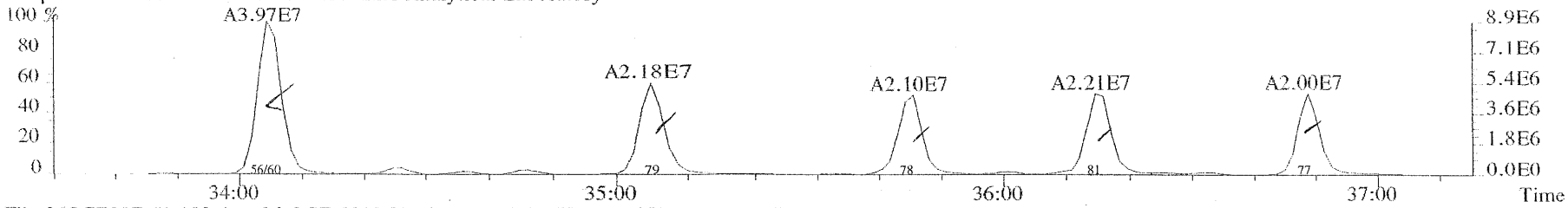
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



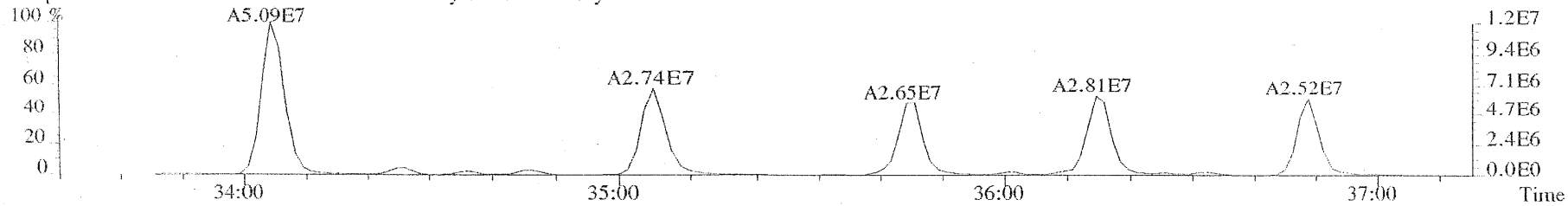
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



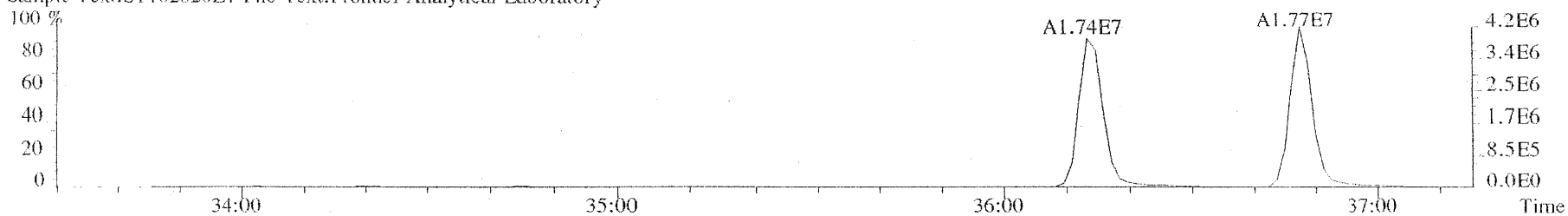
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



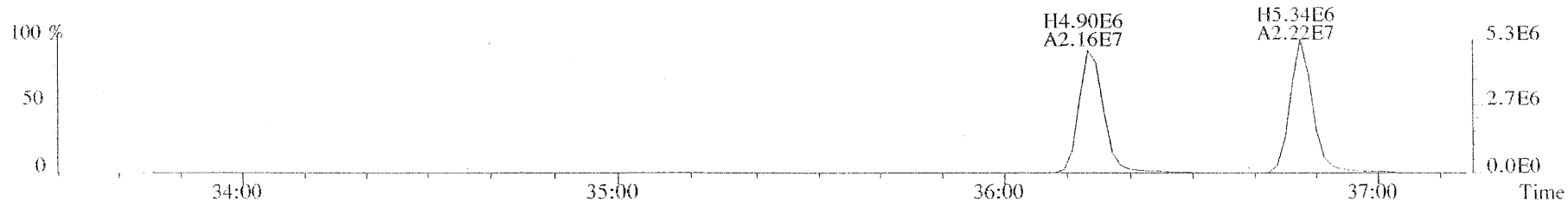
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



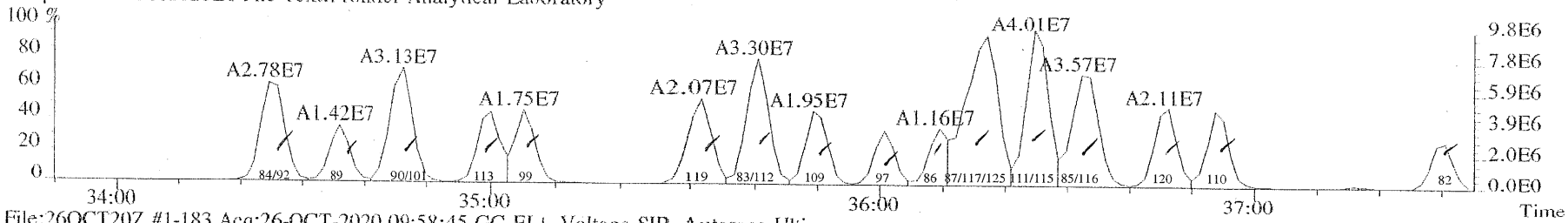
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



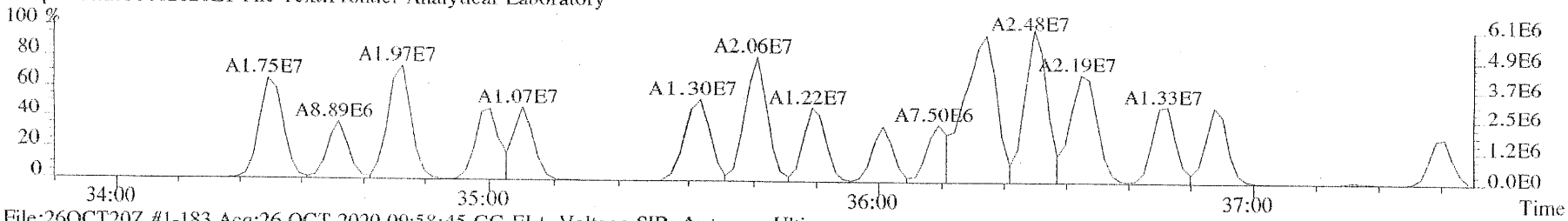
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



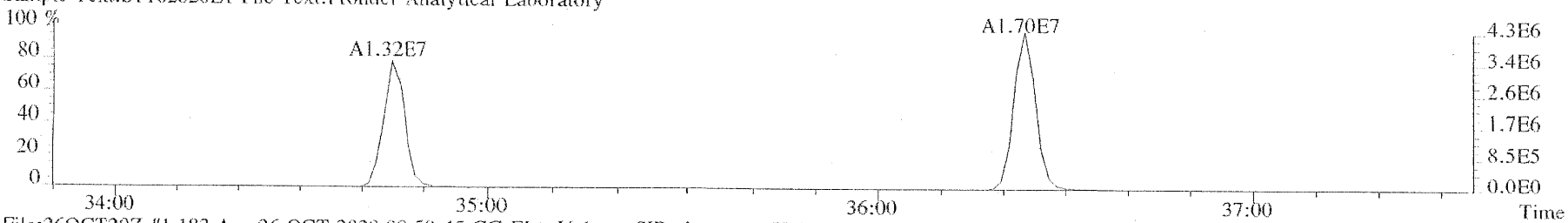
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



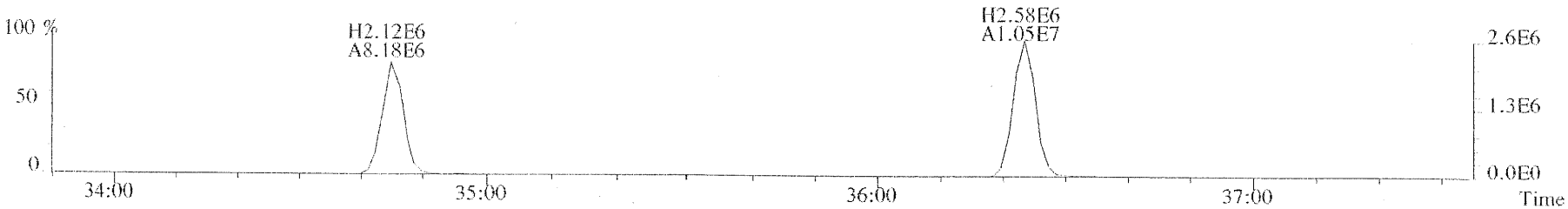
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



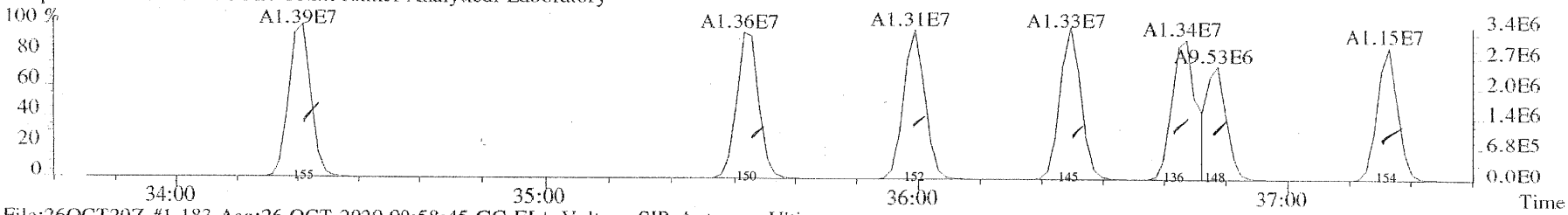
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



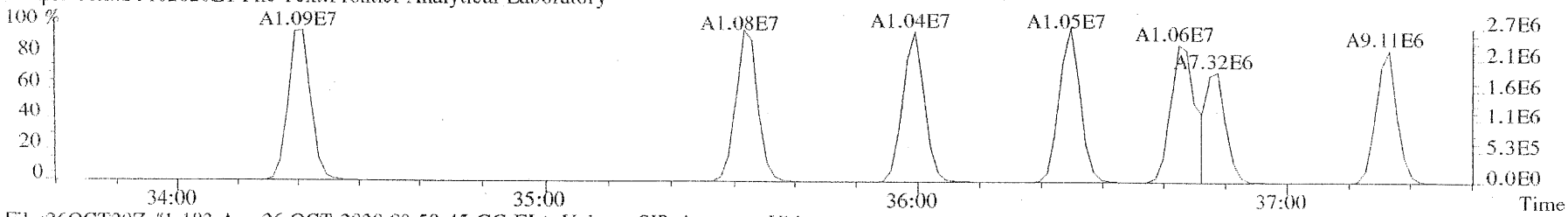
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



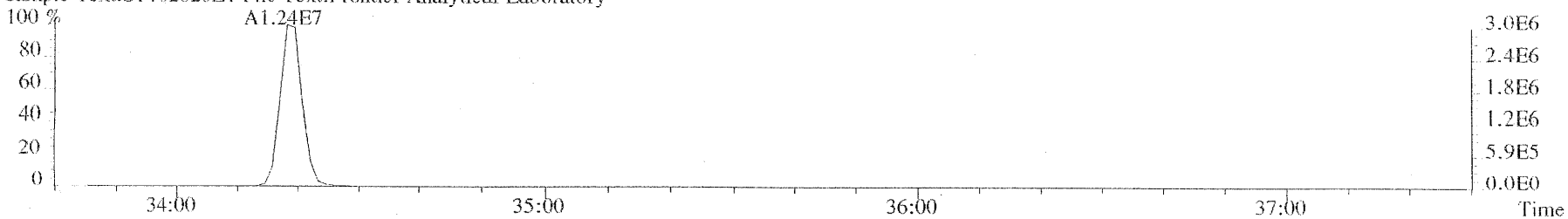
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



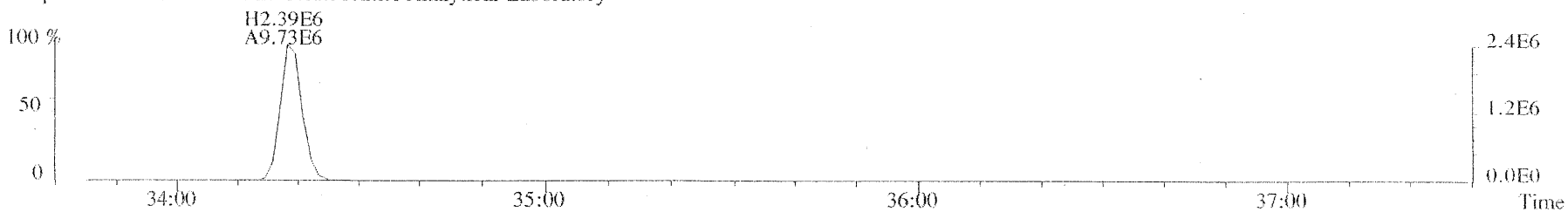
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



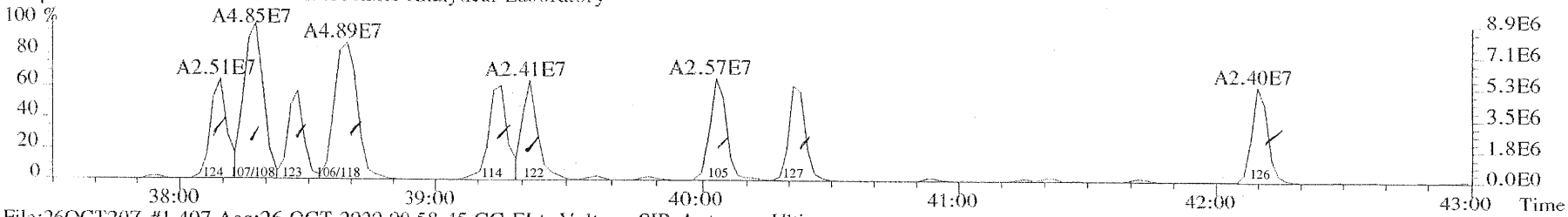
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



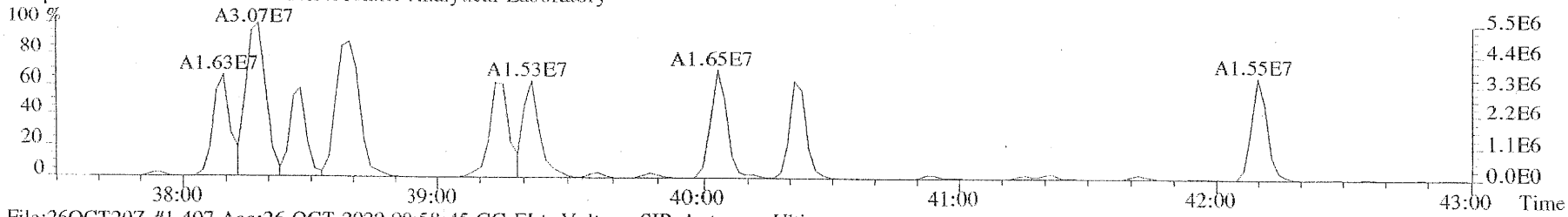
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



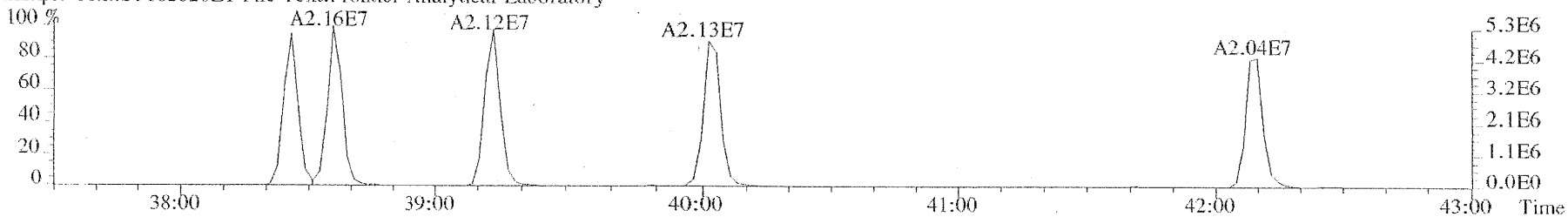
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



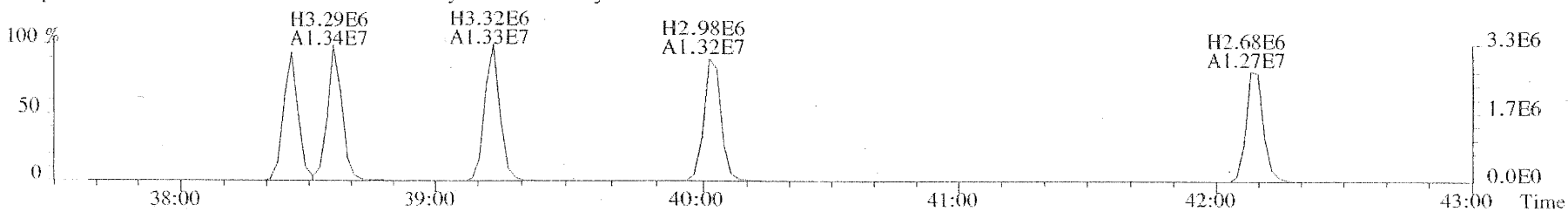
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



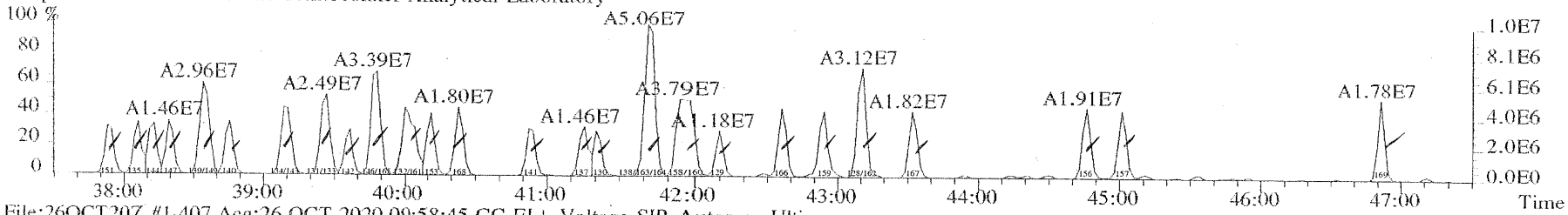
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



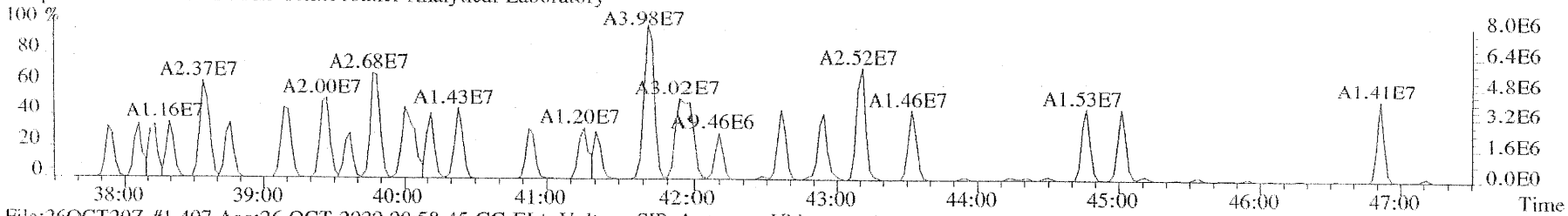
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



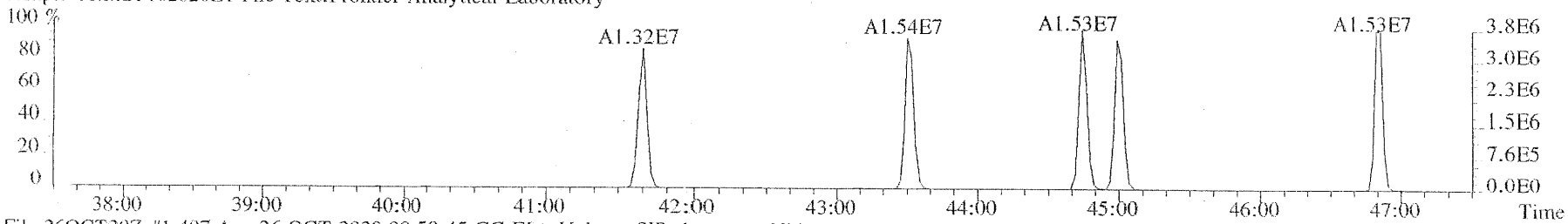
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



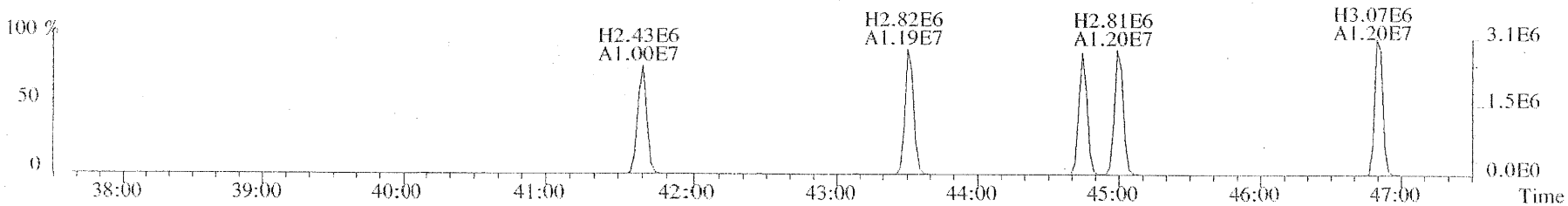
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



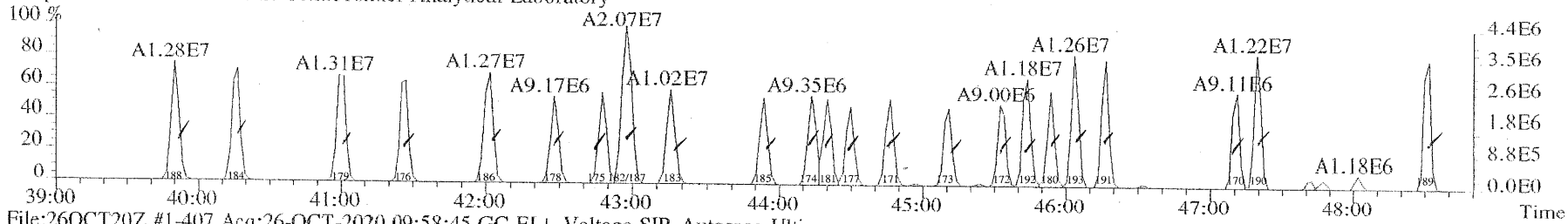
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



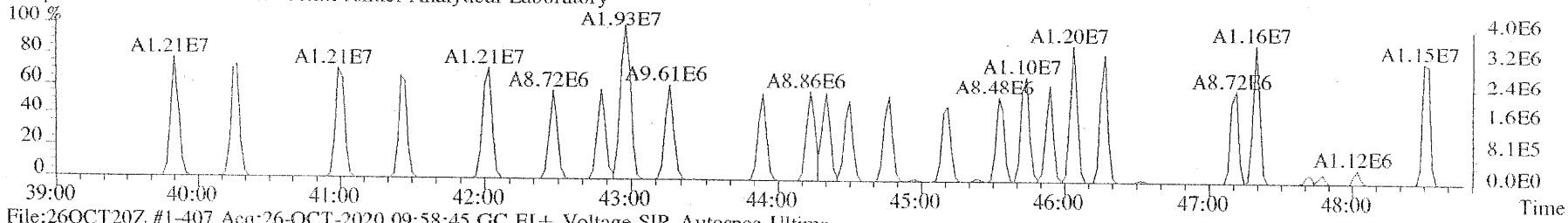
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



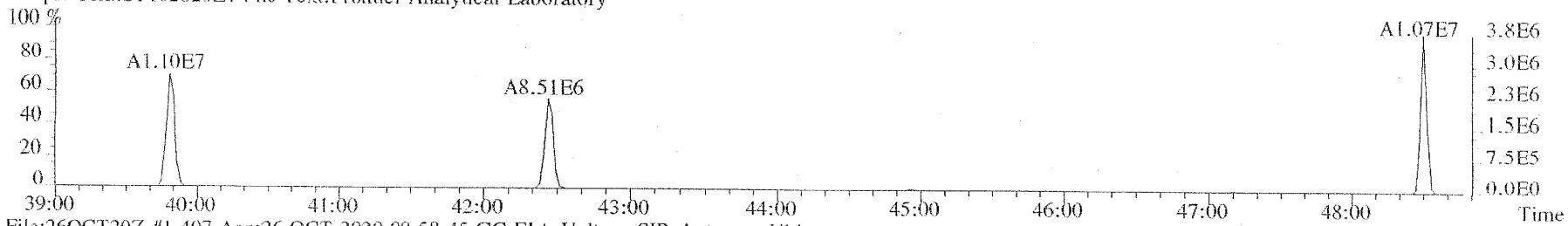
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



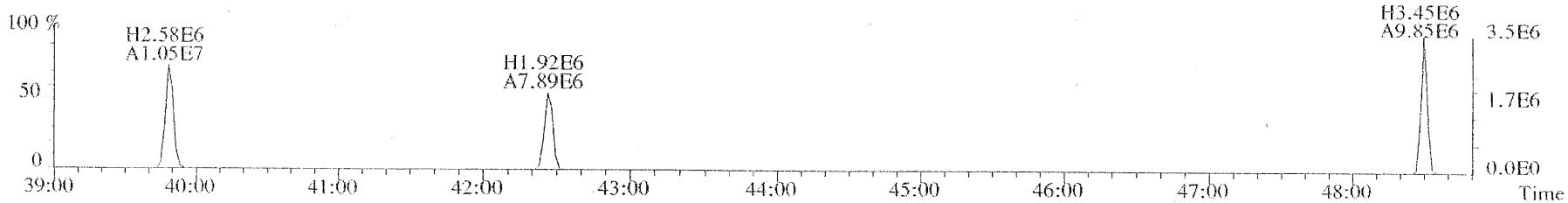
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



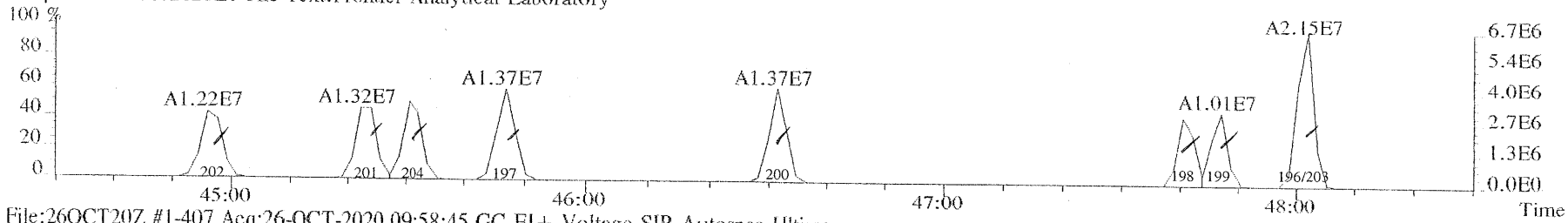
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



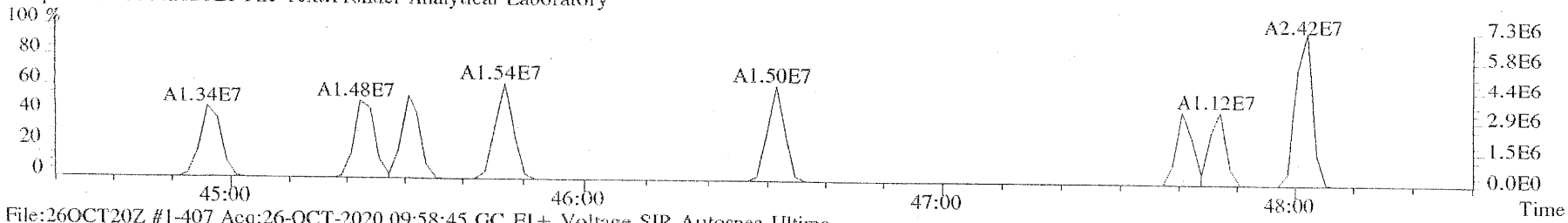
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



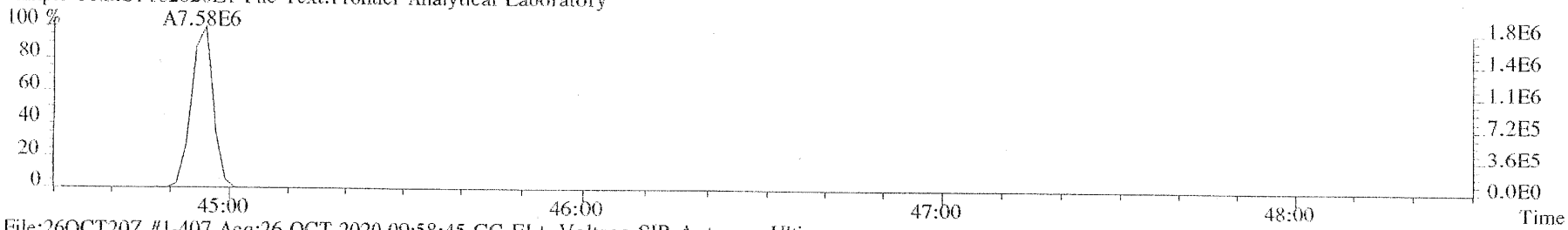
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



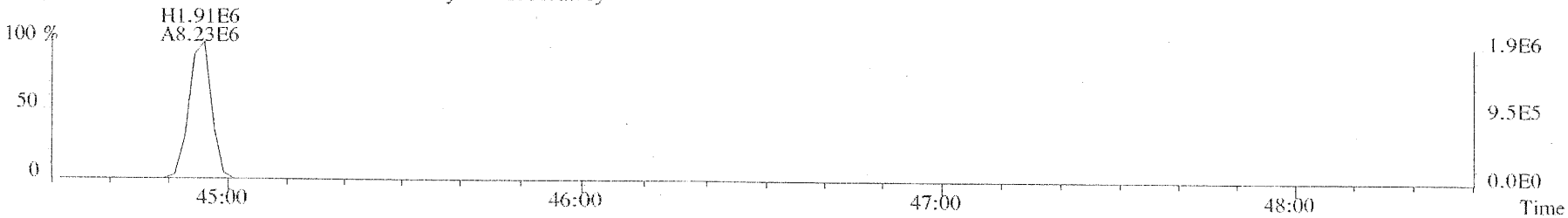
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



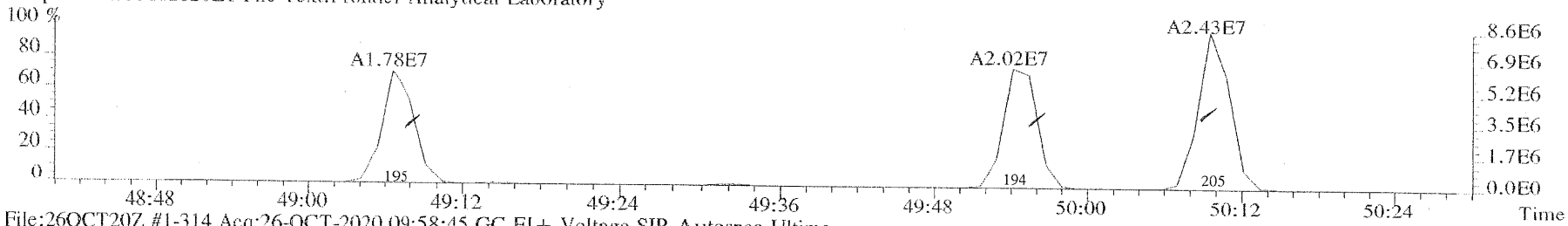
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



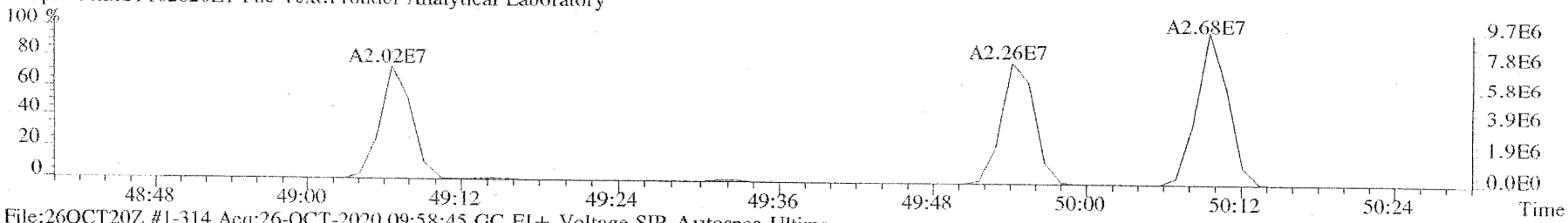
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



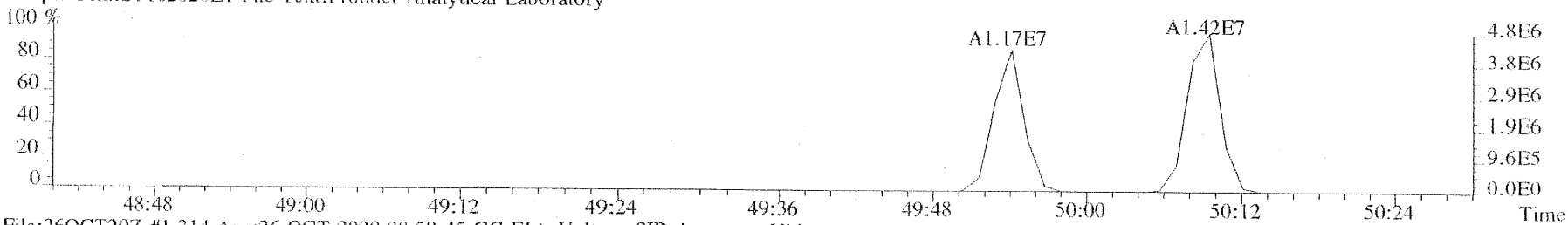
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



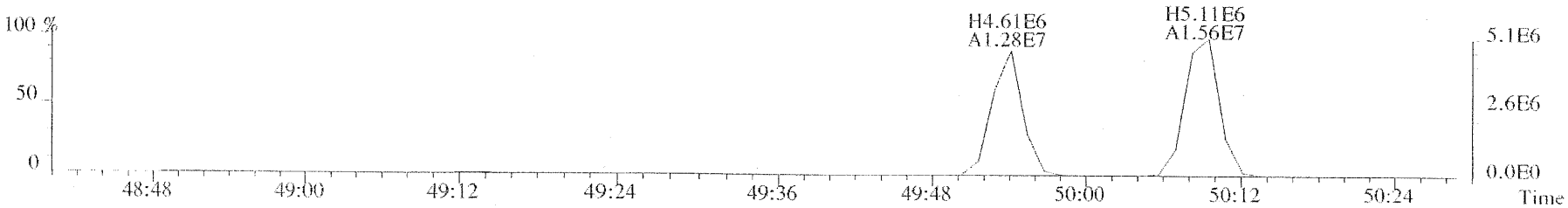
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



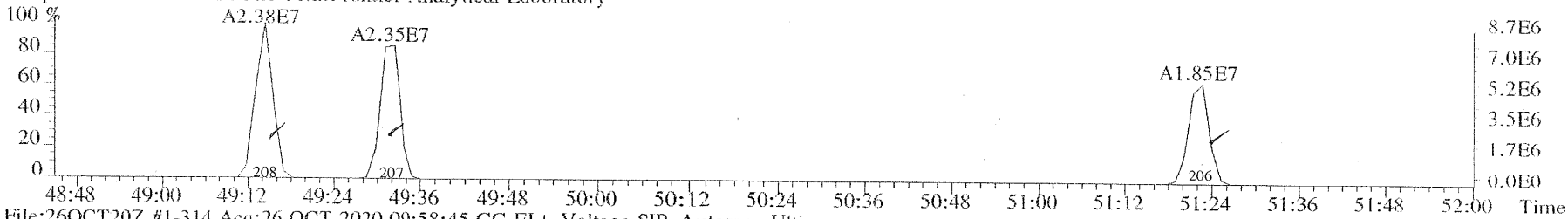
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



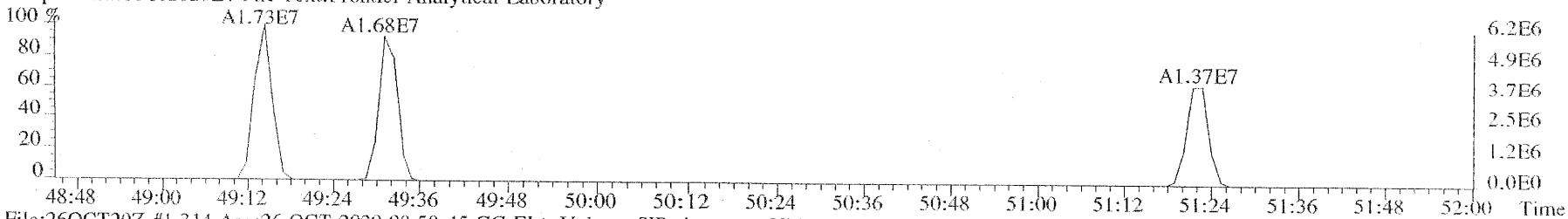
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



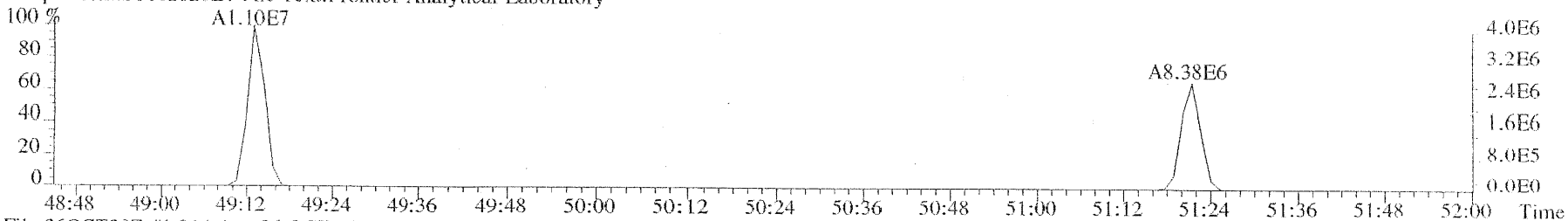
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



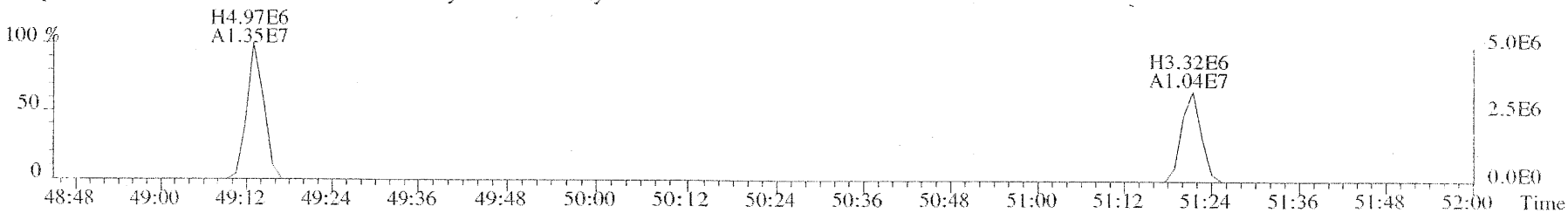
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



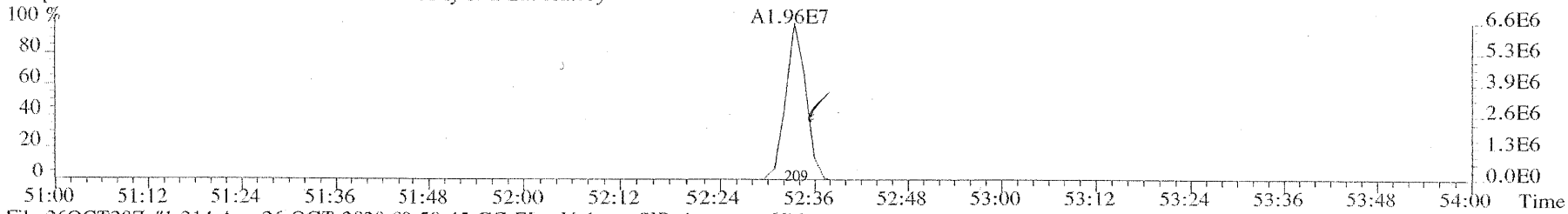
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



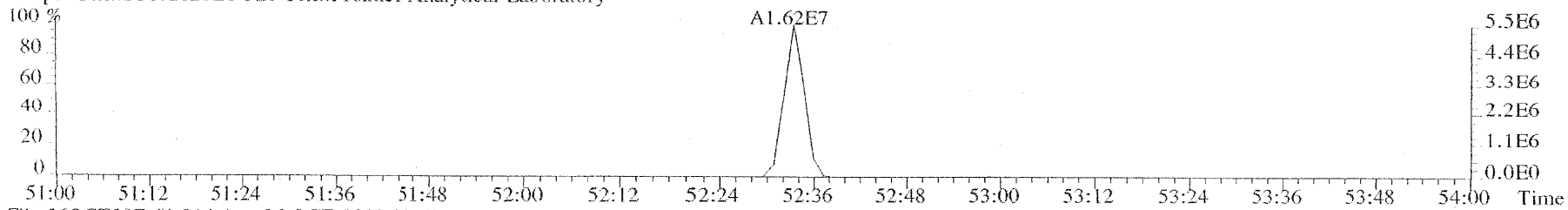
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



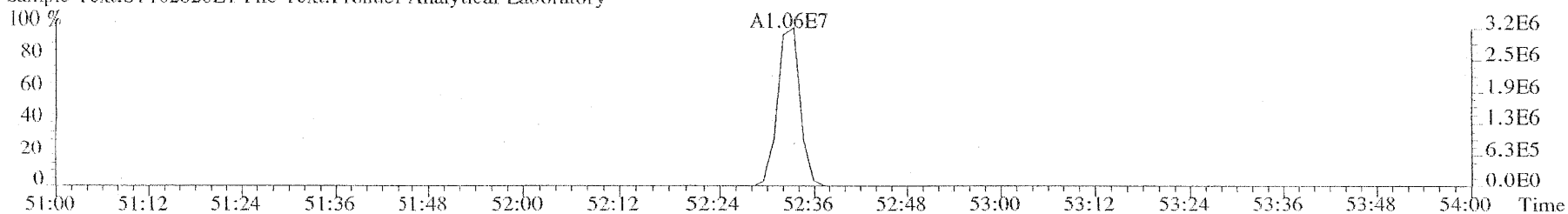
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



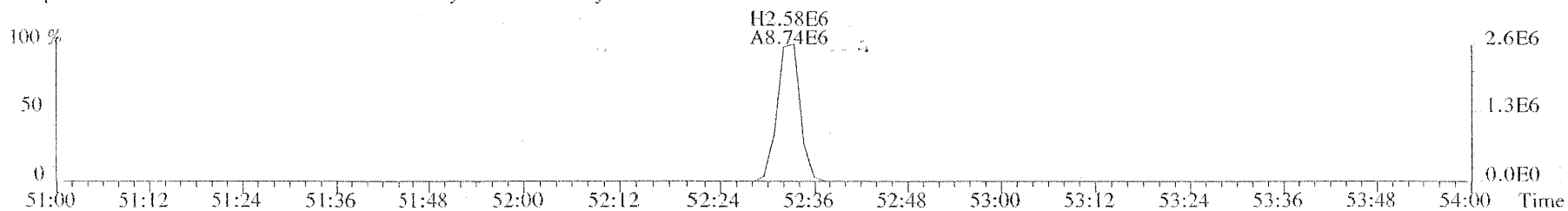
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



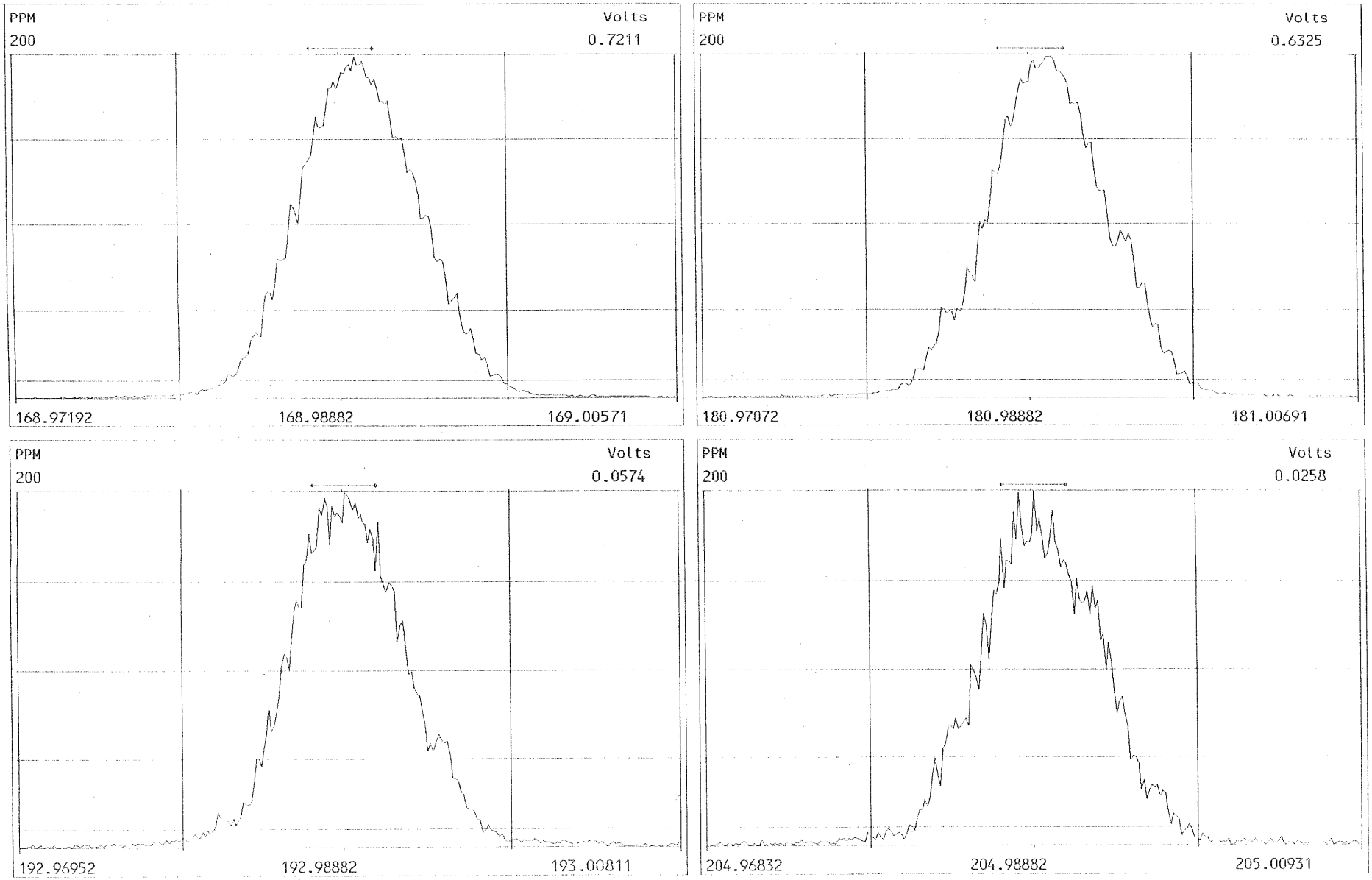
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



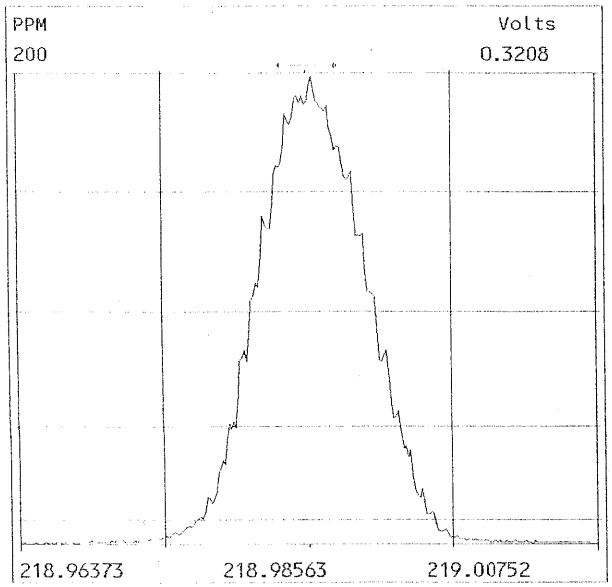
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory

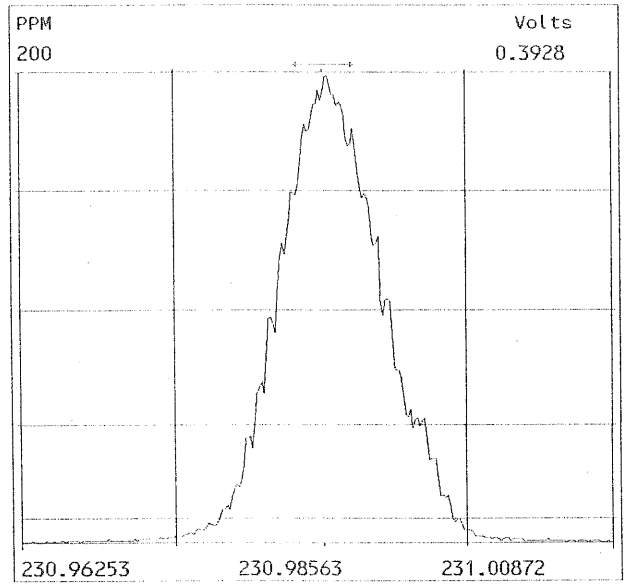


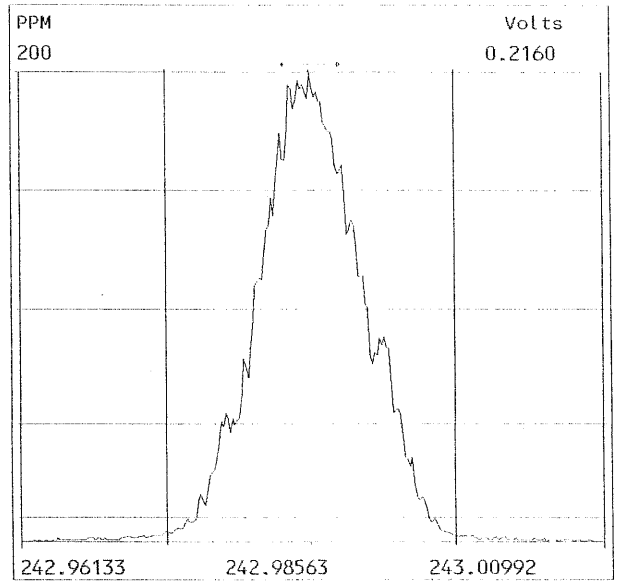
Peak Locate Examination:27-OCT-2020:01:04 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

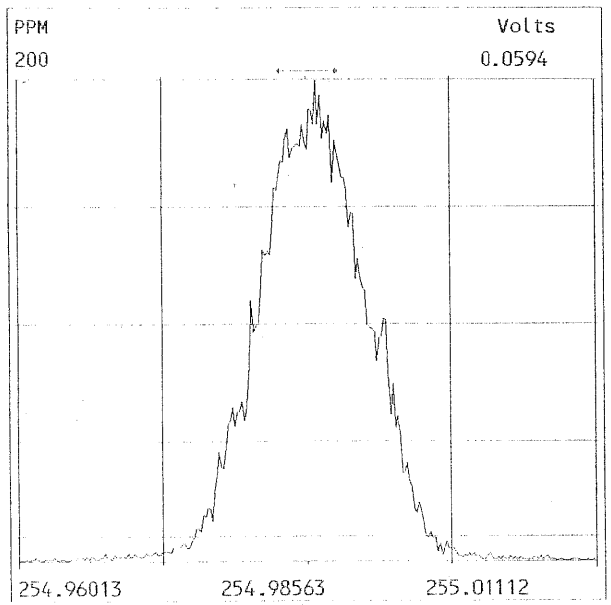


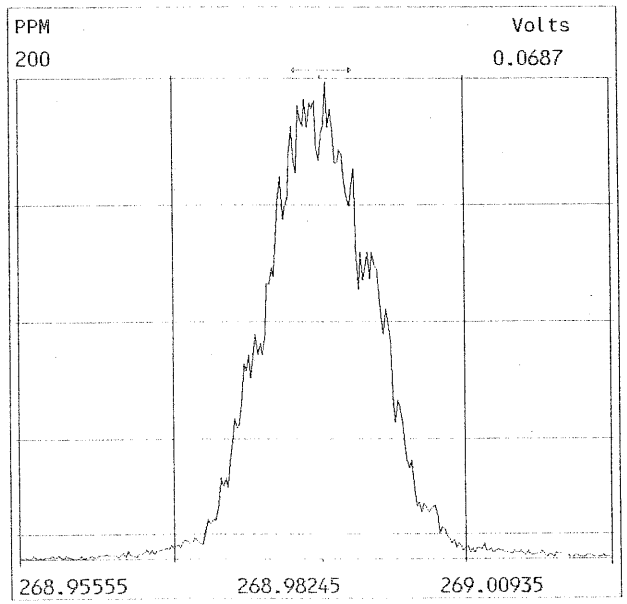
Peak Locate Examination:27-OCT-2020:01:06 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

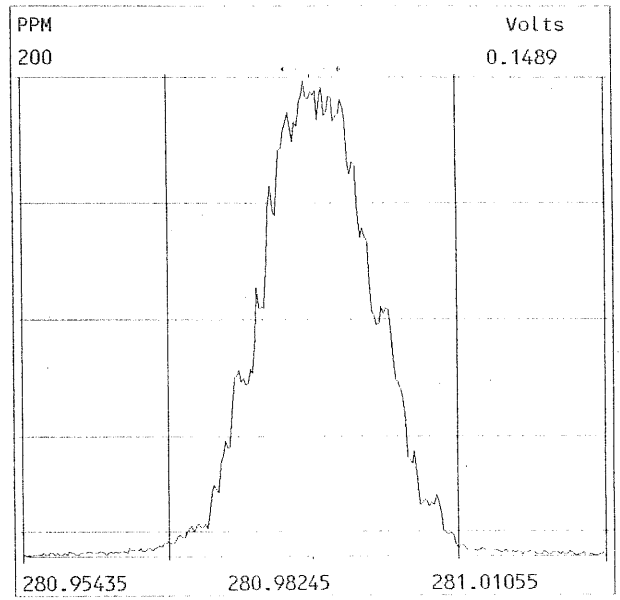




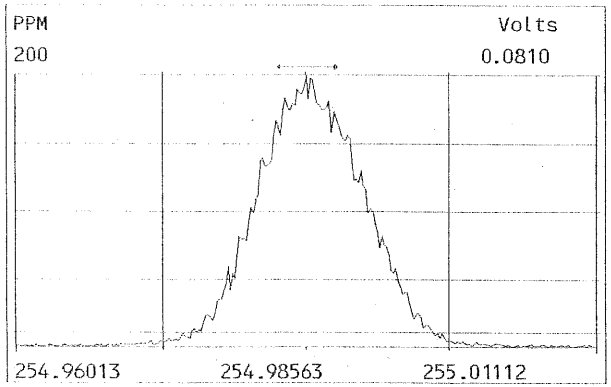


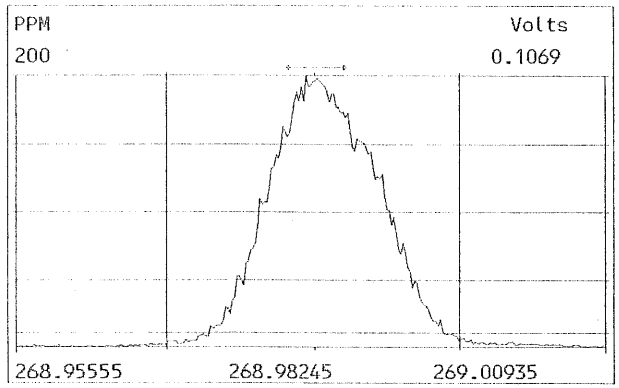


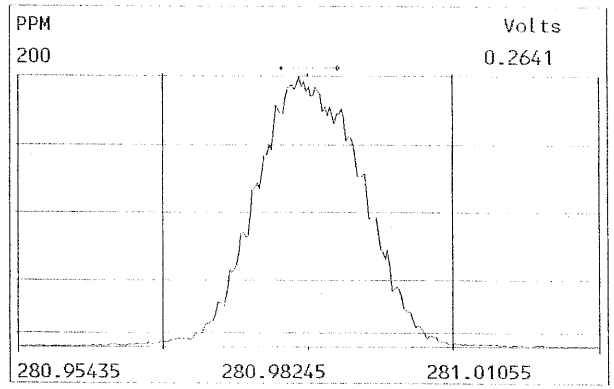


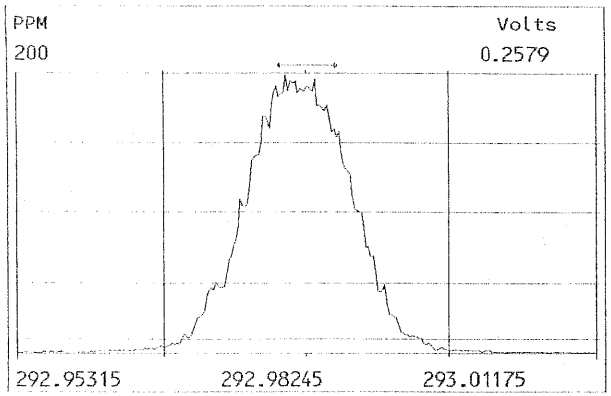


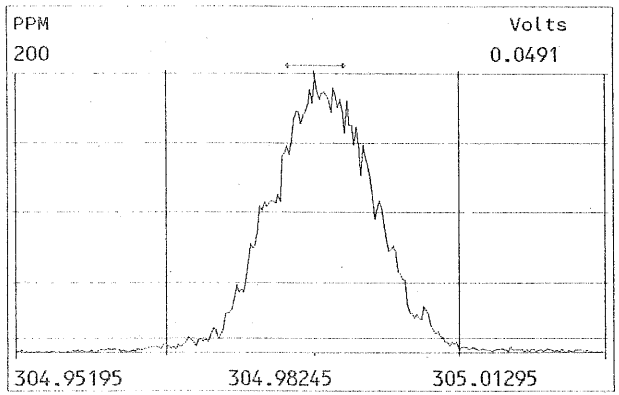
Peak Locate Examination:27-OCT-2020:01:09 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

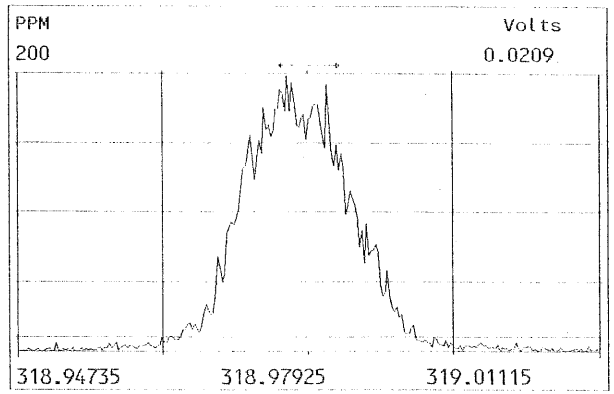


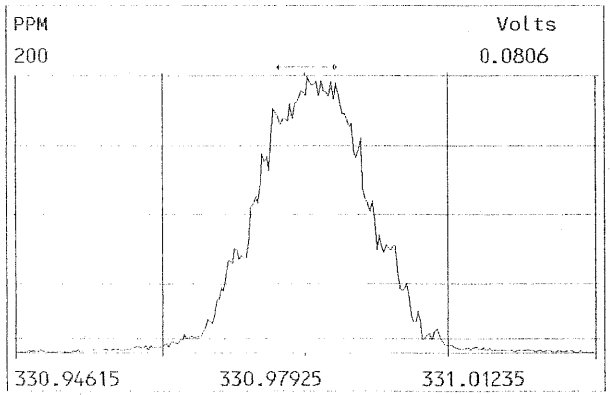


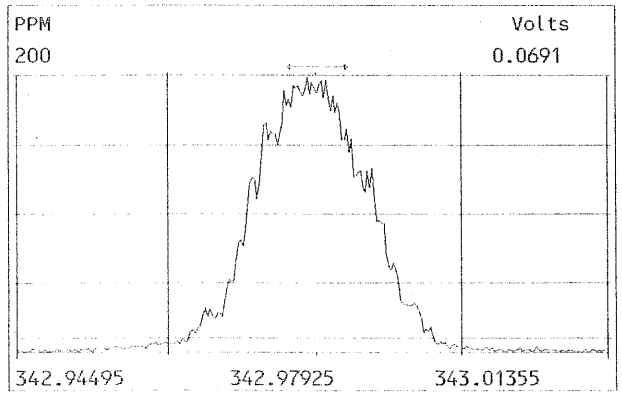




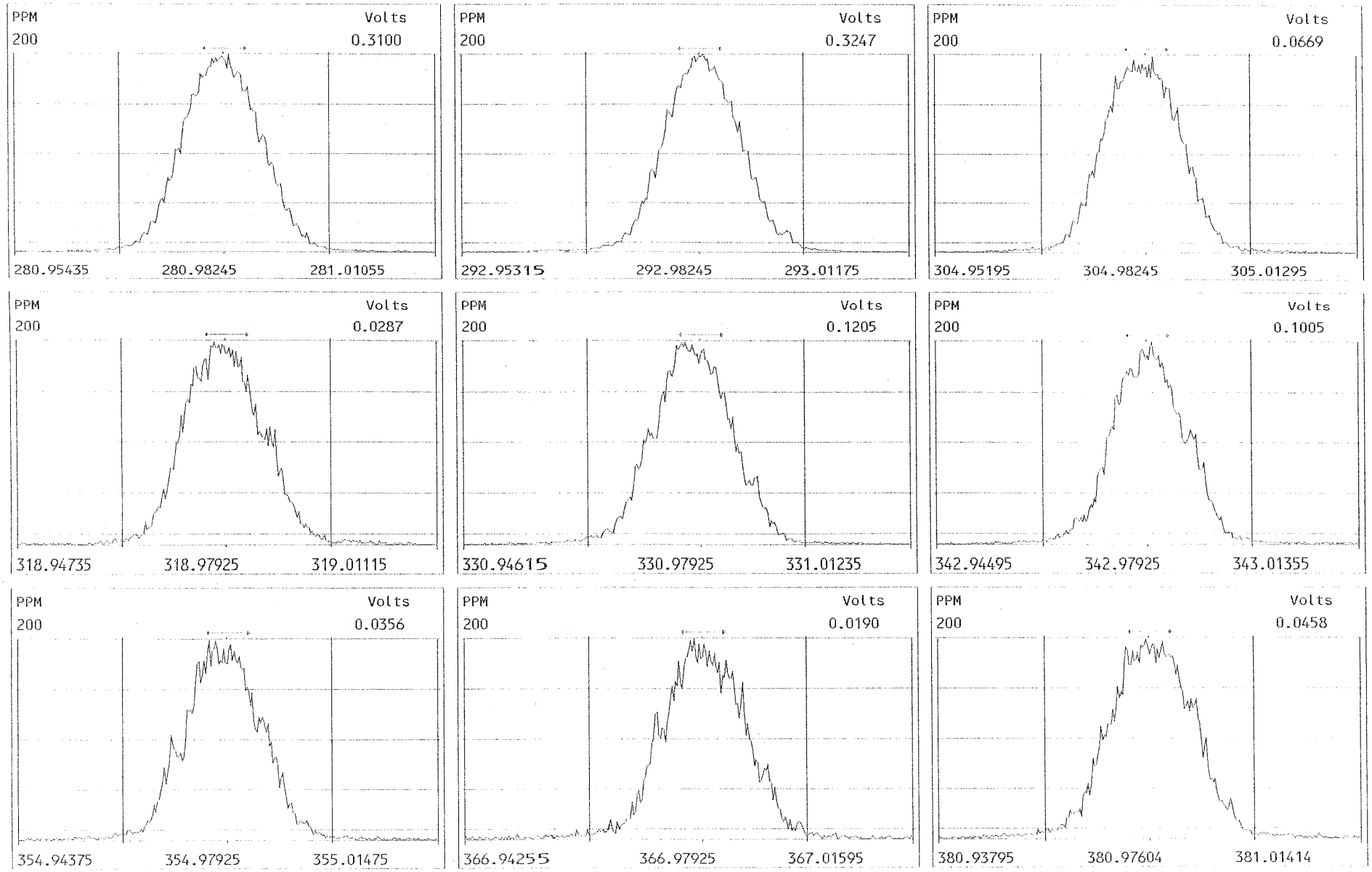




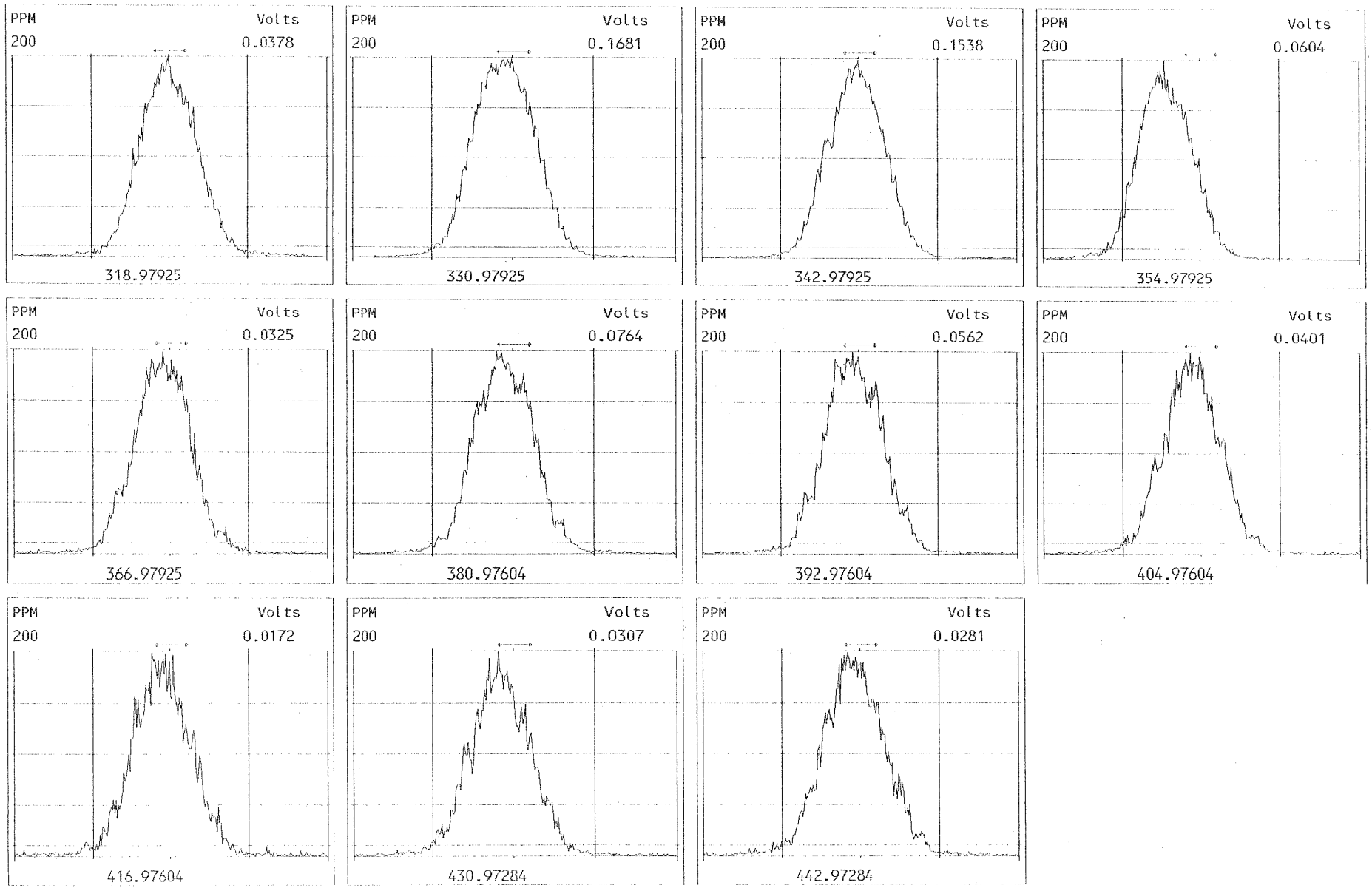




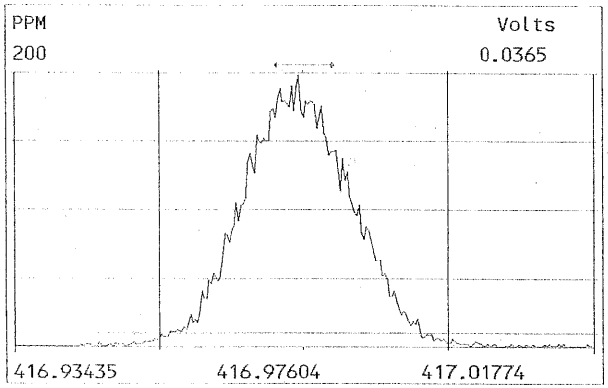
Peak Locate Examination:27-OCT-2020:01:11 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

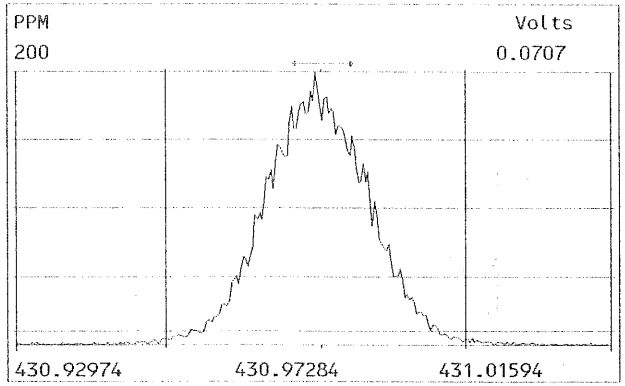


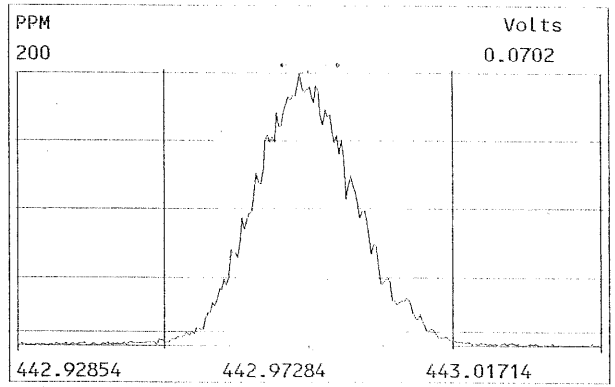
Peak Locate Examination:27-OCT-2020:01:13 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

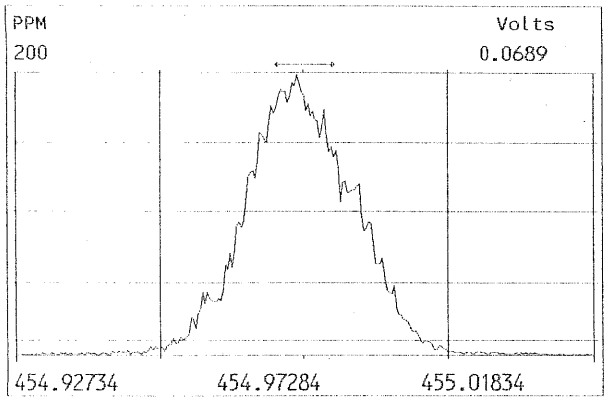


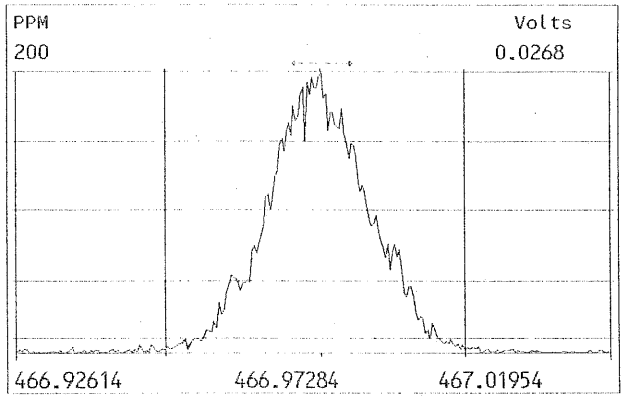
Peak Locate Examination:27-OCT-2020:01:16 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

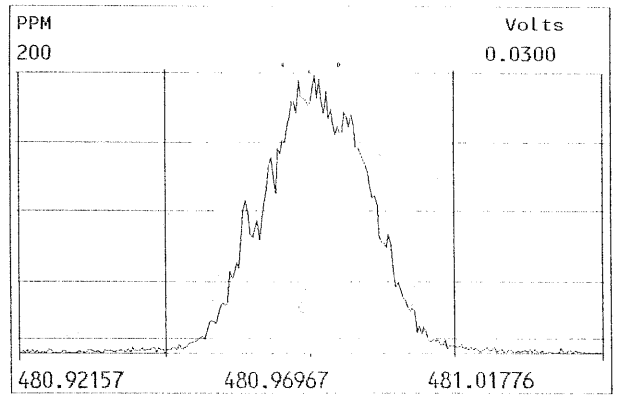


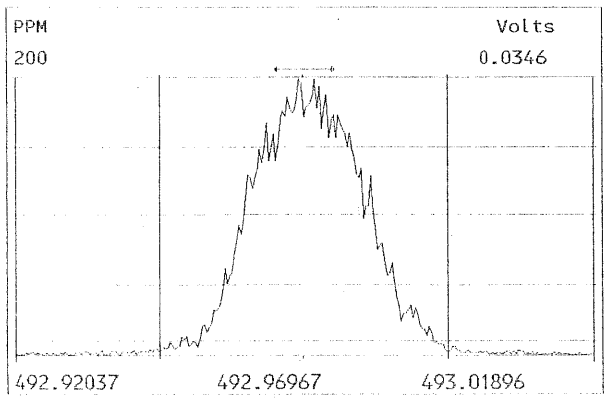


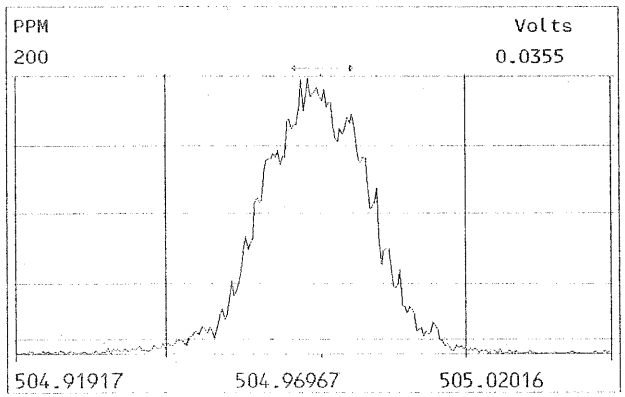


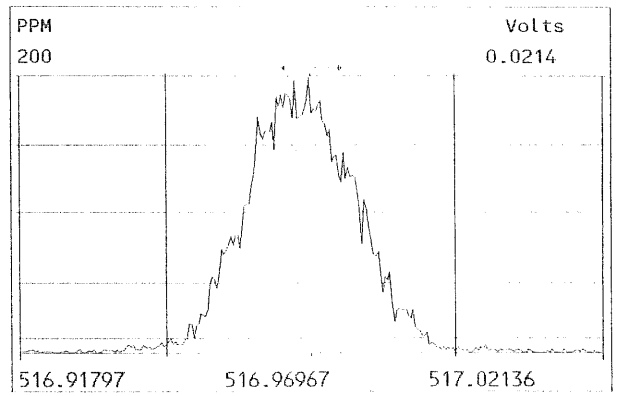












Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:15 Analysis Date: 26-OCT-20 23:37:02

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.17	2.66-3.60	y	58.7	37.5 - 62.5
PCB-3	M/M+2	3.18	2.66-3.60	y	60.4	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	53.6	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	61.1	37.5 - 62.5
PCB-19	M/M+2	1.11	0.88-1.20	y	59.9	37.5 - 62.5
PCB-37	M/M+2	1.08	0.88-1.20	y	58.1	37.5 - 62.5
PCB-54	M/M+2	0.77	0.65-0.89	y	113	75.0 - 125
PCB-77	M/M+2	0.85	0.65-0.89	y	96.0	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	111	75.0 - 125
PCB-105	M+2/M+4	1.67	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.62	1.32-1.78	y	109	75.0 - 125
PCB-118	M+2/M+4	1.65	1.32-1.78	y	210	150 - 250
PCB-123	M+2/M+4	1.65	1.32-1.78	y	104	75.0 - 125
PCB-126	M+2/M+4	1.67	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.32	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.23	1.05-1.43	y	111	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	112	75.0 - 125
PCB-167	M+2/M+4	1.23	1.05-1.43	y	107	75.0 - 125
PCB-169	M+2/M+4	1.25	1.05-1.43	y	108	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	114	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	165	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.33	1.13-1.53	y	162	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	166	112.5 - 187.5

Analyst: _____ Date: 10/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 26OCT20Z Sam:15 Analysis Date: 26-OCT-20 23:37:02

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.35	2.66-3.60	y	83.3	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	74.5	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	99.3	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	82.3	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	63.7	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	75.3	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.78	0.65-0.89	y	107	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	107	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	79.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	99.7	50.0 - 145
13C-PCB-114	M+2/M+4	1.58	1.32-1.78	y	100	50.0 - 145
13C-PCB-118	M+2/M+4	1.58	1.32-1.78	y	109	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	102	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	100.0	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	78.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	94.2	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	92.3	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	90.4	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	89.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	80.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	76.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	59.0	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	91.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	89.1	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	86.2	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	74.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.00	0.88-1.20	y	95.9	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	99.7	75.0 - 125
13C-PCB-178	M+2/M+4	1.13	0.89-1.21	y	83.4	75.0 - 125

Analyst: [signature] Date: 10/28/20

FAL ID: ST10262022 Filename: 26OCT20Z Sam:15 Acquired: 26-OCT-20 23:37:02 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10262021 EndCal: ST10262022
Results: 26OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.90e+07	3.17 y	14:34	1.21	58.7		2.50	-	-	*	-
13C-PCB-1	4.07e+07	3.35 y	14:33	0.90	83.3		2.50				83.3
PCB-3	2.80e+07	3.18 y	16:60	1.23	60.4		2.50	-	-	*	-
13C-PCB-3	3.77e+07	3.39 y	16:59	0.93	74.5		2.50				74.5
PCB-4	2.18e+07	1.49 y	18:15	1.14	53.6		2.50	-	-	*	-
13C-PCB-4	3.56e+07	1.56 y	18:13	0.66	99.3		2.50				99.3
PCB-15	3.24e+07	1.54 y	23:46	1.09	61.1		2.50	-	-	*	-
13C-PCB-15	4.87e+07	1.60 y	23:44	1.09	82.3		2.50				82.3
PCB-19	1.27e+07	1.11 y	22:08	1.21	59.9		2.50	-	-	*	-
13C-PCB-19	1.75e+07	1.10 y	22:06	0.50	63.7		2.50				63.7
13C-PCB-9	5.44e+07	1.58 y	19:53	-	53.3		2.50				
PCB-37	1.84e+07	1.08 y	30:24	1.14	58.1		2.50	-	-	*	-
13C-PCB-37	2.77e+07	1.06 y	30:22	1.64	75.3		2.50				75.3
PCB-54	3.85e+07	0.77 y	25:39	1.18	113		2.50	-	-	*	-
13C-PCB-54	2.88e+07	0.81 y	25:38	1.26	102		2.50				102
PCB-104	2.25e+07	1.58 y	30:05	1.12	111		2.50	-	-	*	-
13C-PCB-104	1.82e+07	1.60 y	30:03	1.02	79.5		2.50				79.5
13C-PCB-28	3.73e+07	1.00 y	26:42	1.73	95.9		2.50				95.9
13C-PCB-52	2.24e+07	0.80 y	28:58	-	42.2		2.50				
PCB-81	4.00e+07	0.79 y	36:10	1.13	111		2.50	-	-	*	-
13C-PCB-81	3.18e+07	0.80 y	36:08	1.57	107		2.50				107
PCB-77	3.45e+07	0.85 y	36:43	1.10	96.0		2.50	-	-	*	-
13C-PCB-77	3.26e+07	0.78 y	36:43	1.61	107		2.50				107
PCB-155	2.07e+07	1.32 y	34:15	1.13	112		2.50	-	-	*	-
13C-PCB-155	1.63e+07	1.34 y	34:13	1.10	78.1		2.50				78.1
13C-PCB-111	2.40e+07	1.61 y	36:17	1.27	99.7		2.50				99.7
13C-PCB-101	1.89e+07	1.65 y	34:39	-	39.7		2.50				
PCB-123	3.24e+07	1.65 y	38:21	1.11	104		2.50	-	-	*	-
13C-PCB-123	2.80e+07	1.58 y	38:19	1.28	102		2.50				102
PCB-118	7.47e+07	1.65 y	38:33	1.12	210		2.50	-	-	*	-
13C-PCB-118	3.17e+07	1.58 y	38:29	1.35	109		2.50				109
PCB-114	3.42e+07	1.62 y	39:09	1.13	109		2.50	-	-	*	-
13C-PCB-114	2.78e+07	1.58 y	39:07	1.29	100		2.50				100
PCB-105	3.53e+07	1.67 y	39:57	1.10	116		2.50	-	-	*	-
13C-PCB-105	2.75e+07	1.60 y	39:57	1.28	99.7		2.50				99.7
PCB-126	3.19e+07	1.67 y	42:05	1.08	111		2.50	-	-	*	-
13C-PCB-126	2.65e+07	1.59 y	42:03	1.23	100.0		2.50				100.0
PCB-167	2.83e+07	1.23 y	43:26	1.11	107		2.50	-	-	*	-
13C-PCB-167	2.39e+07	1.30 y	43:26	1.23	90.4		2.50				90.4
PCB-156	3.00e+07	1.23 y	44:40	1.13	111		2.50	-	-	*	-
13C-PCB-156	2.40e+07	1.27 y	44:38	1.19	94.2		2.50				94.2
PCB-157	2.91e+07	1.28 y	44:56	1.08	112		2.50	-	-	*	-
13C-PCB-157	2.41e+07	1.30 y	44:54	1.21	92.3		2.50				92.3
PCB-169	2.63e+07	1.25 y	46:46	1.08	108		2.50	-	-	*	-
13C-PCB-169	2.26e+07	1.29 y	46:46	1.17	89.8		2.50				89.8
PCB-188	2.31e+07	1.06 y	39:43	1.10	108		2.50	-	-	*	-
13C-PCB-188	1.94e+07	1.10 y	39:42	1.13	80.3		2.50				80.3
PCB-189	1.92e+07	1.08 y	48:27	1.07	114		2.50	-	-	*	-
13C-PCB-189	1.58e+07	1.09 y	48:25	0.97	76.1		2.50				76.1
PCB-202	2.06e+07	0.93 y	44:51	1.03	165		2.50	-	-	*	-
13C-PCB-202	1.21e+07	0.93 y	44:49	0.96	59.0		2.50				59.0
13C-PCB-178	1.39e+07	1.13 y	42:20	0.78	83.4		2.50				83.4
13C-PCB-138	2.15e+07	1.29 y	41:34	-	44.7		2.50				

Client ID: CS209 200406A ConCal: ST10262OZ1 EndCal: ST10262OZ2
Results: 26OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	4.42e+07	0.93	y	50:06	1.09	159	2.50	-	-	*	-
13C-PCB-205	2.57e+07	0.90	y	50:06	1.32	91.7	2.50				91.7
PCB-208	4.12e+07	1.33	y	49:11	1.01	162	2.50	-	-	*	-
13C-PCB-208	2.52e+07	0.81	y	49:09	1.38	86.2	2.50				86.2
PCB-206	3.02e+07	1.34	y	51:18	1.04	164	2.50	-	-	*	-
13C-PCB-206	1.77e+07	0.80	y	51:18	0.94	89.1	2.50				89.1
PCB-209	3.28e+07	1.19	y	52:30	1.13	166	2.50	-	-	*	-
13C-PCB-209	1.75e+07	1.22	y	52:28	1.10	74.6	2.50				74.6
13C-PCB-194	2.13e+07	0.90	y	49:50	-	55.8	2.50				

Analyst: B Date: 10/28/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:26OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

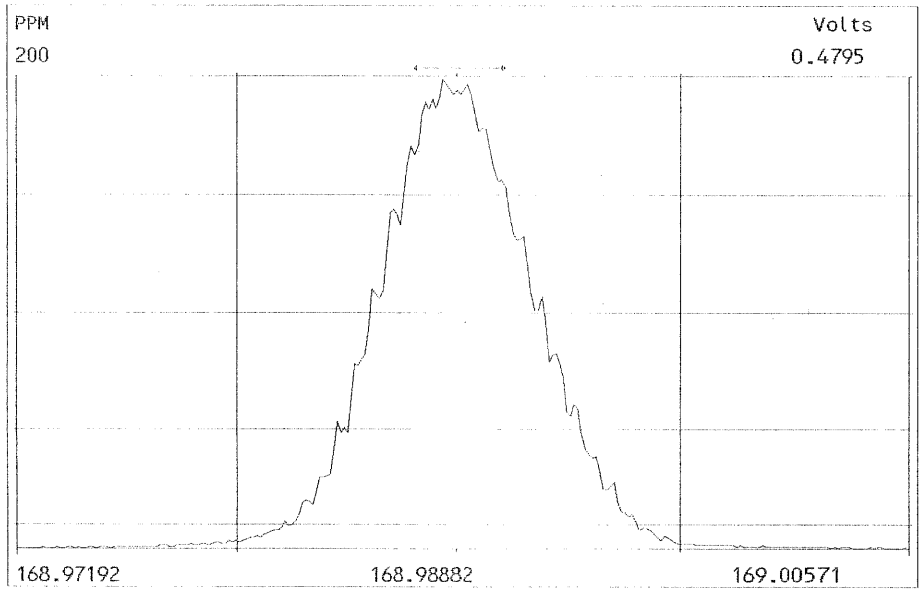
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
26OCT20Z	1	ST102620Z1	CS209 200406A	26-OCT-20 09:58:45	ST102620Z1	ST102620Z2	BS
26OCT20Z	2	05493-001-0001-OPR	OPR	26-OCT-20 10:58:26	ST102620Z1	ST102620Z2	BS
26OCT20Z	3	05493-001-0001-MB	Method Blank	26-OCT-20 11:56:47	ST102620Z1	ST102620Z2	BS
26OCT20Z	4	13371-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-S010-LONG	26-OCT-20 12:55:08	ST102620Z1	ST102620Z2	BS
26OCT20Z	5	13371-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-S010	26-OCT-20 13:53:30	ST102620Z1	ST102620Z2	BS
26OCT20Z	6	13371-018-0001-SA	LDW-Y3-SC-ENR+AC-CC-S010-LONG	26-OCT-20 14:51:51	ST102620Z1	ST102620Z2	BS
26OCT20Z	7	13373-004-0001-SA	LDW-Y3-SU-ENR-CA-S010	26-OCT-20 15:50:13	ST102620Z1	ST102620Z2	BS
26OCT20Z	8	13373-005-0001-SA	LDW-Y3-SU-ENR-CA-S010-BIO	26-OCT-20 16:48:34	ST102620Z1	ST102620Z2	BS
26OCT20Z	9	13373-006-0001-SA	LDW-Y3-SU-ENR-CB-S010	26-OCT-20 17:46:55	ST102620Z1	ST102620Z2	BS
26OCT20Z	10	13373-007-0001-SA	LDW-Y3-SU-ENR-CB-S010-BIO	26-OCT-20 18:45:16	ST102620Z1	ST102620Z2	BS
26OCT20Z	11	13373-008-0001-SA	LDW-Y3-SU-ENR-CC-S010	26-OCT-20 19:43:38	ST102620Z1	ST102620Z2	BS
26OCT20Z	12	13373-009-0001-SA	LDW-Y3-SU-ENR-CC-S010-BIO	26-OCT-20 20:41:59	ST102620Z1	ST102620Z2	BS
26OCT20Z	13	13373-012-0001-SA	LDW-Y3-SU-S010-LCB	26-OCT-20 21:40:20	ST102620Z1	ST102620Z2	BS
26OCT20Z	14	SB102620Z1	Solvent Blank	26-OCT-20 22:38:41	ST102620Z1	ST102620Z2	BS
26OCT20Z	15	ST102620Z2	CS209 200406A	26-OCT-20 23:37:02	ST102620Z1	ST102620Z2	BS

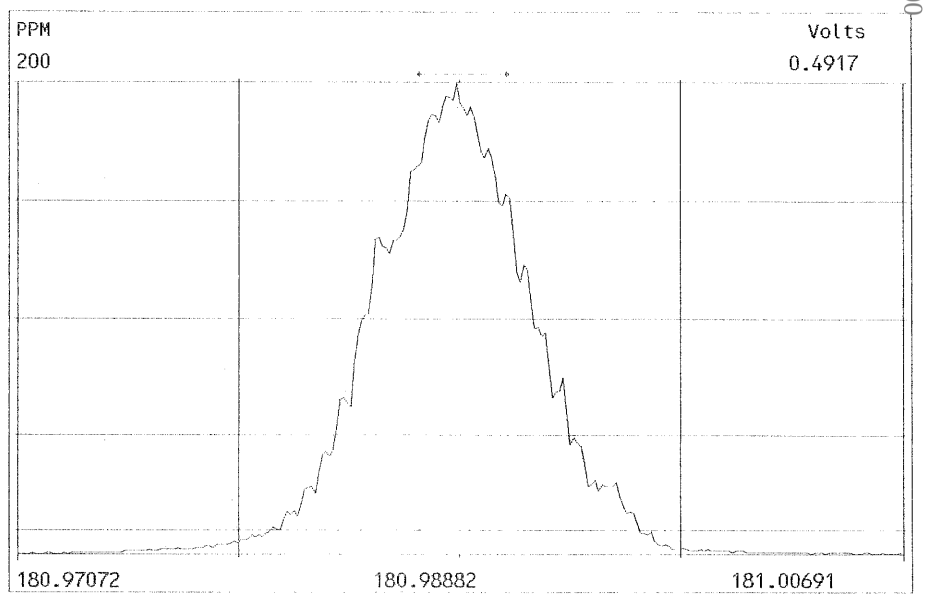
10/27/20

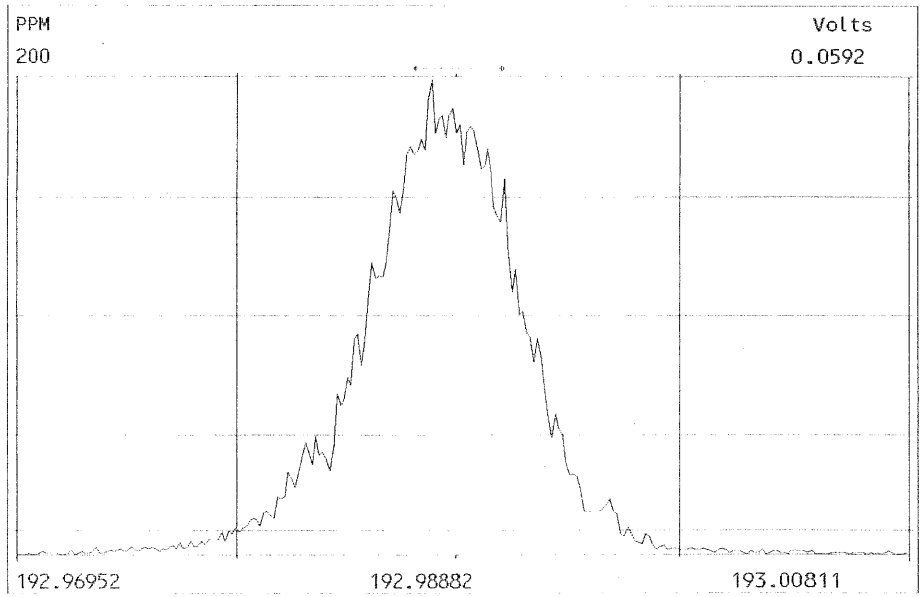
Data Backed Up:_____

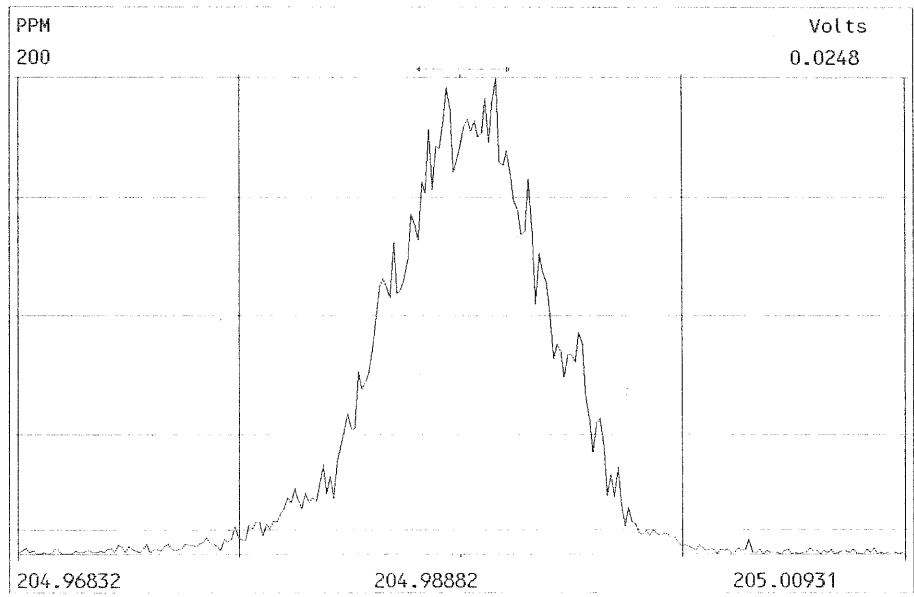
Date:_____

Peak Locate Examination:26-OCT-2020:09:55 File:26OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

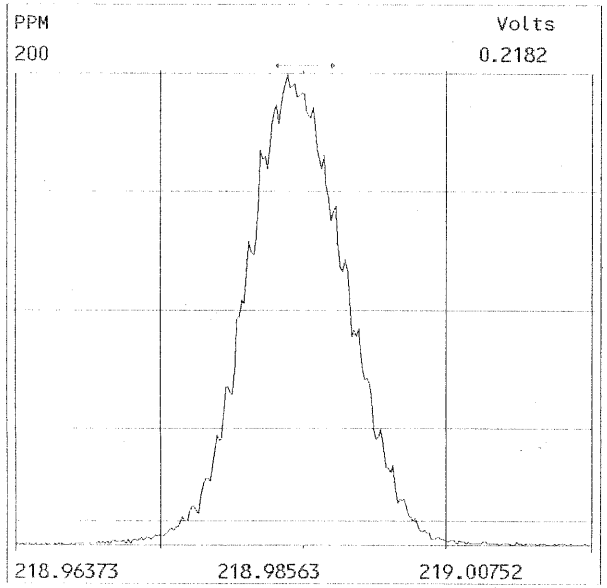


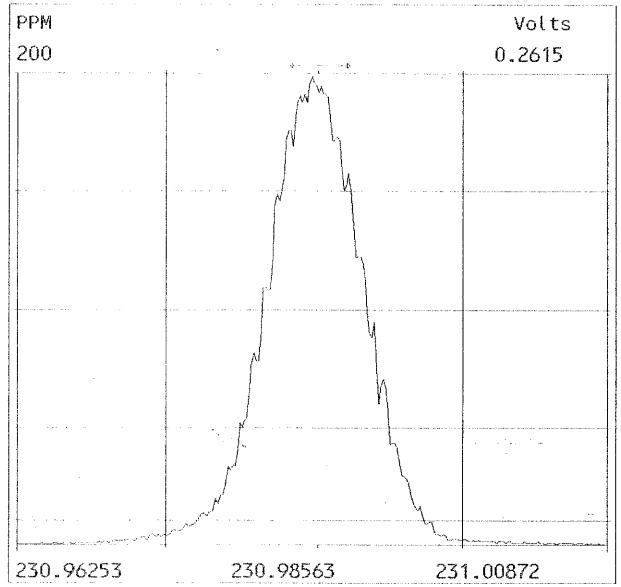


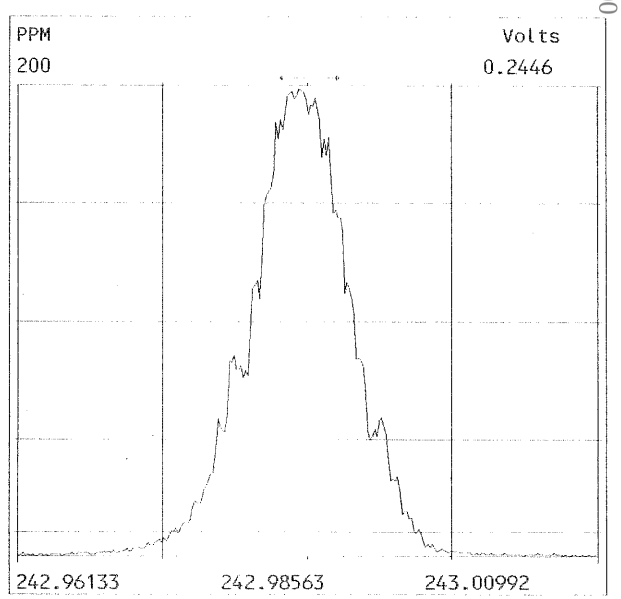


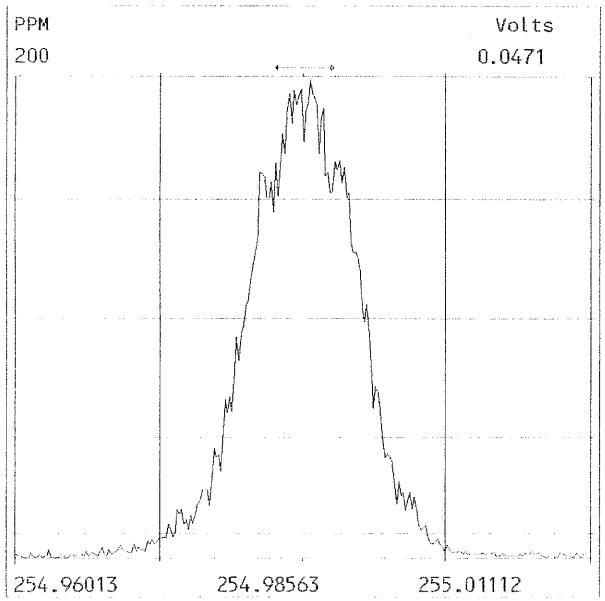


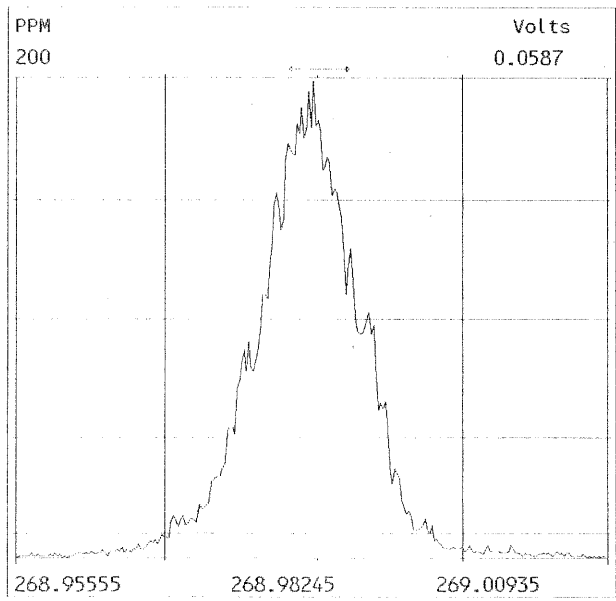
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

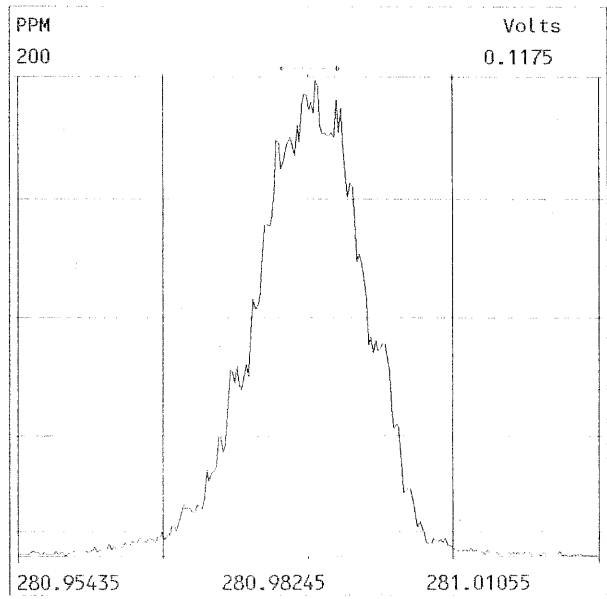






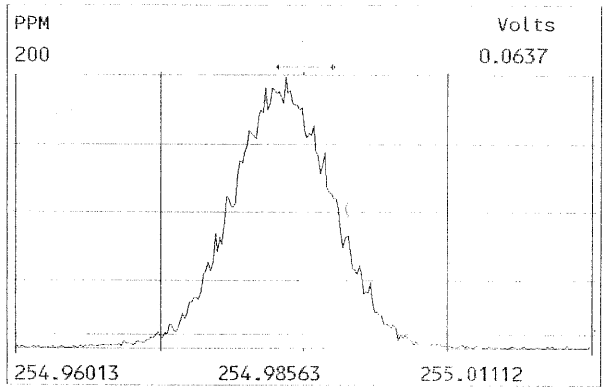


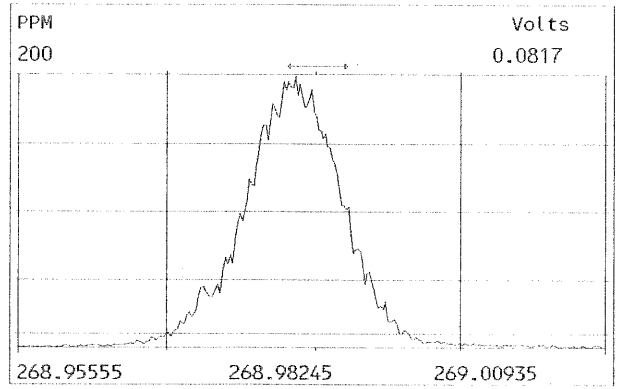


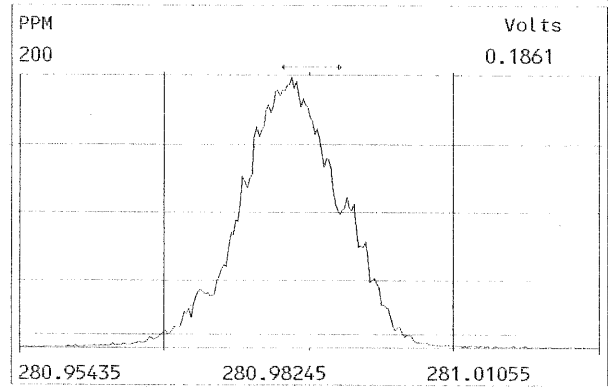


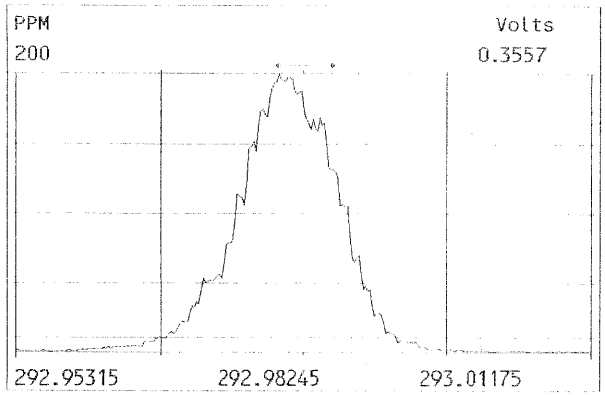
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z

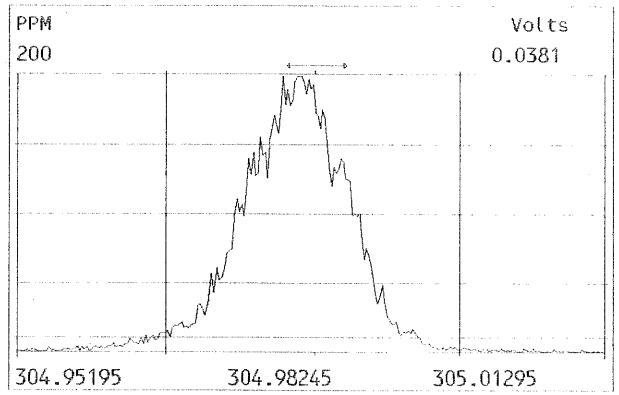
Experiment:1668PCB Function:3 Reference:PFK

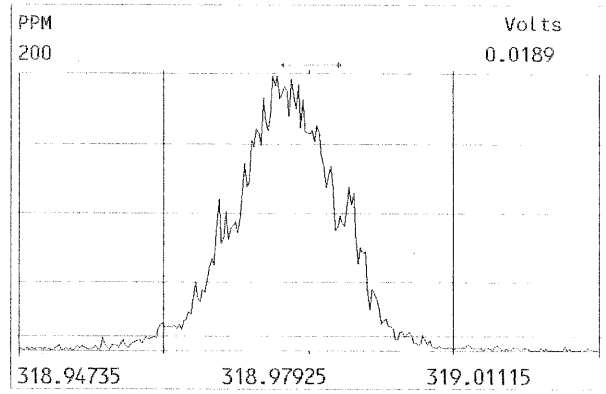


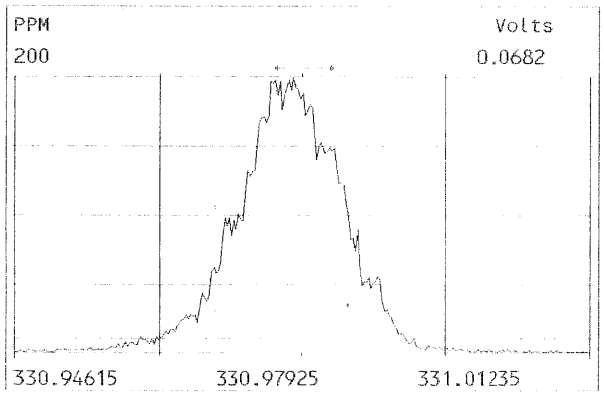


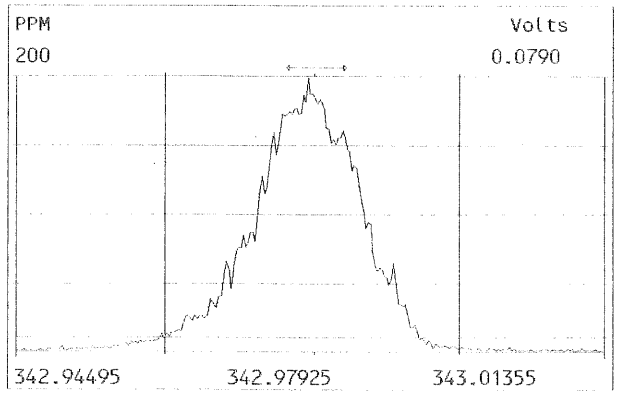




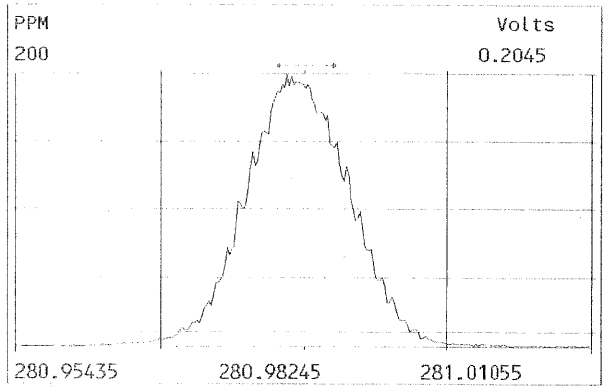


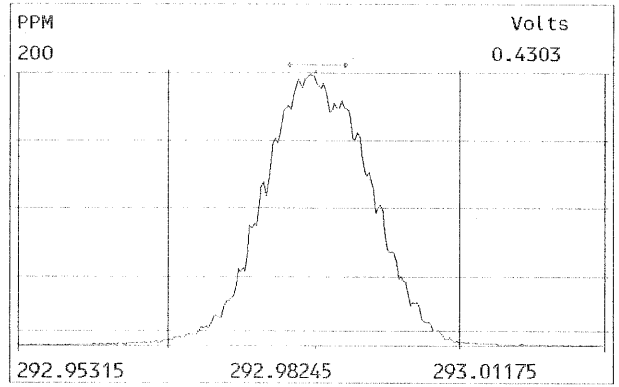


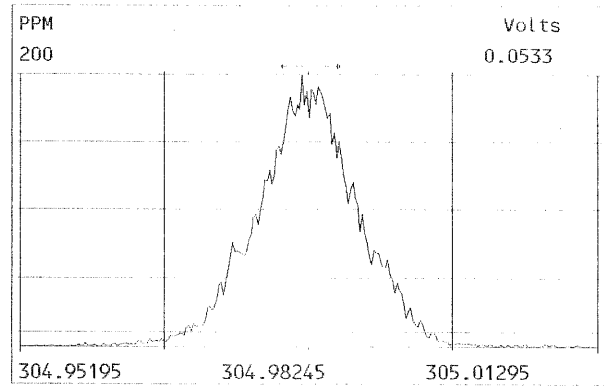


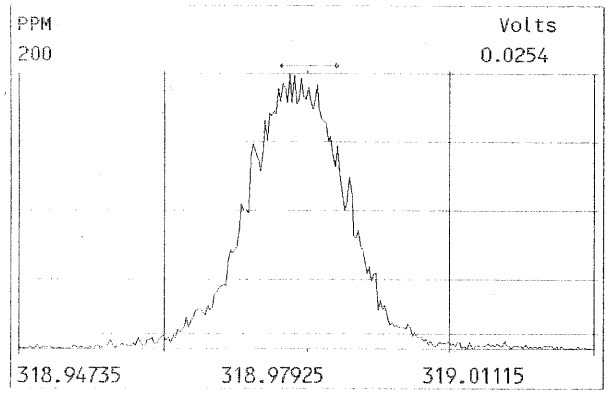


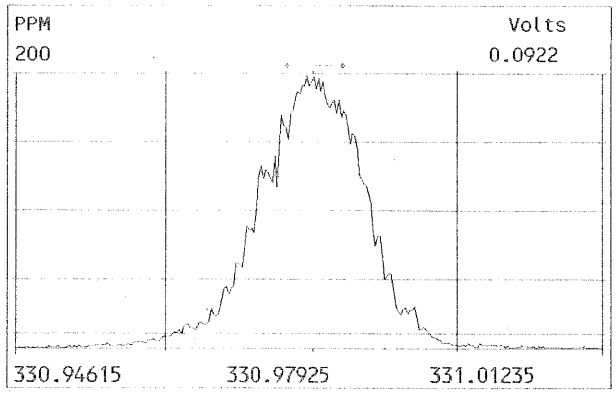
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

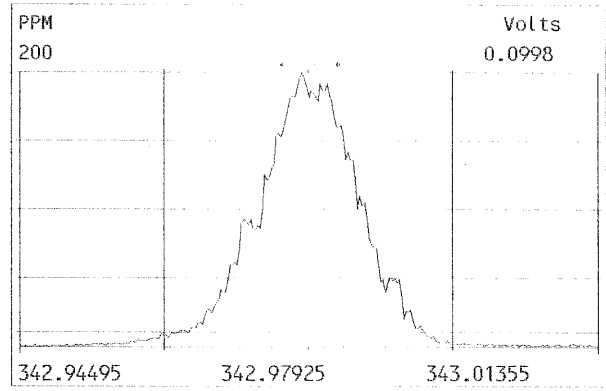


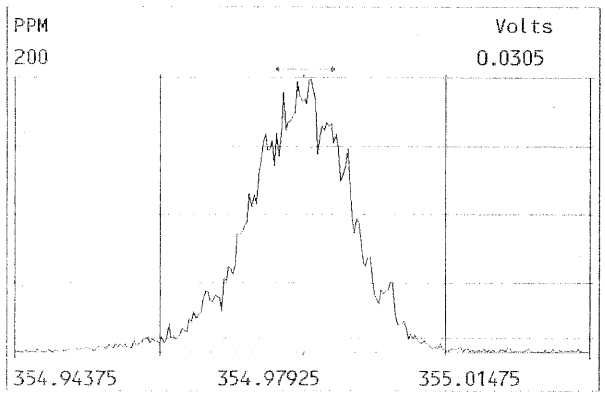


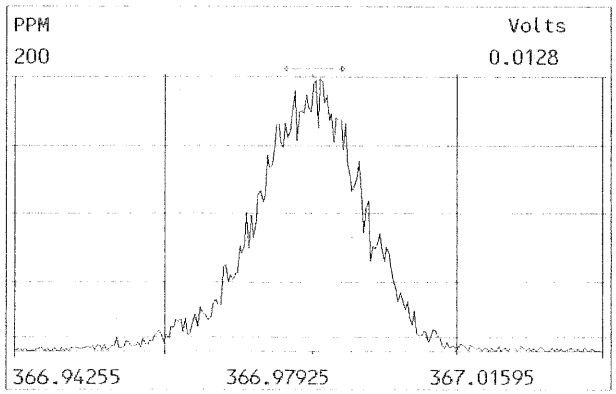


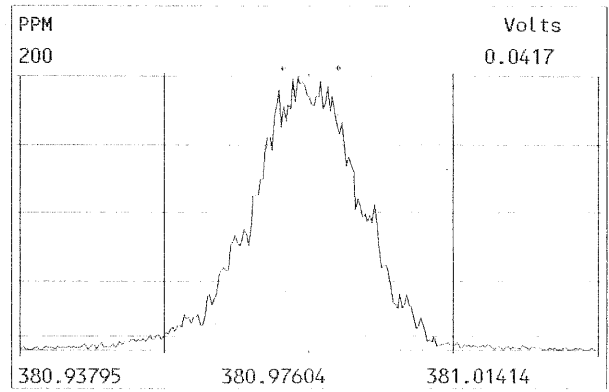




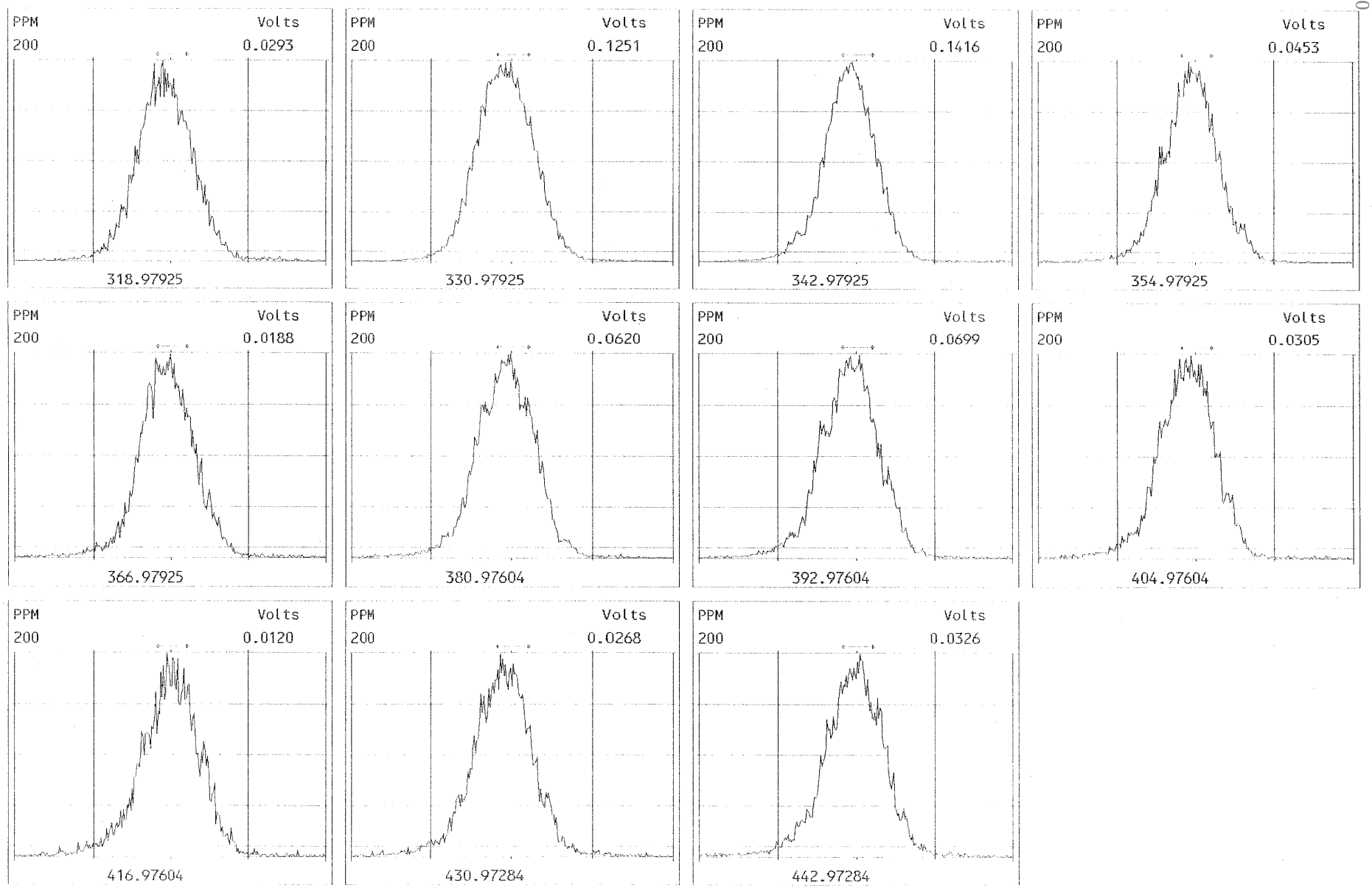






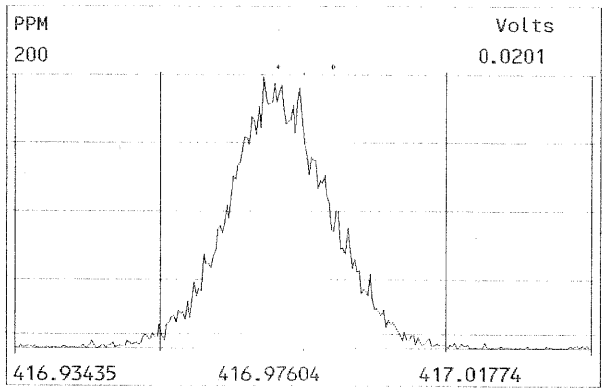


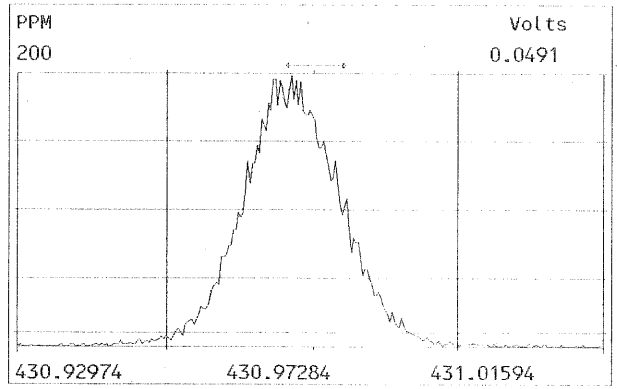
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

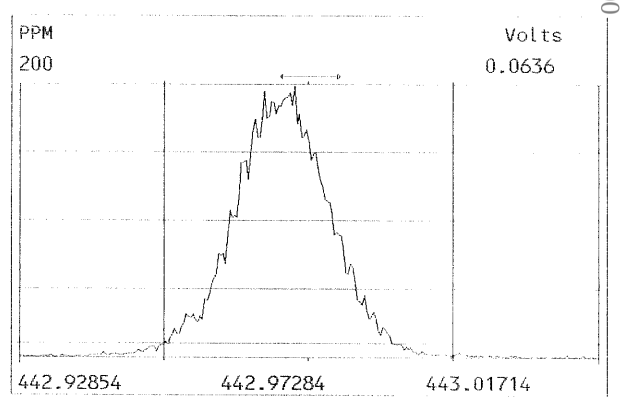


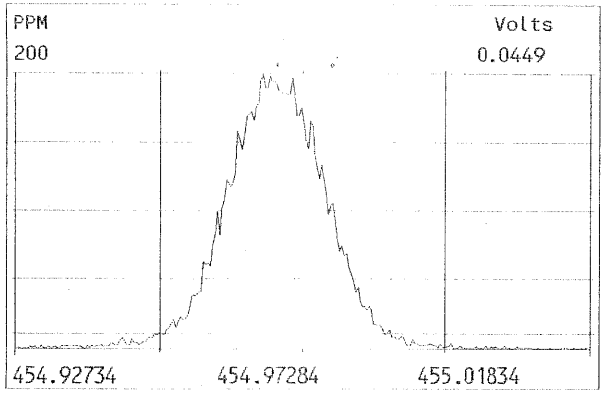
Peak Locate Examination:26-OCT-2020:09:58 File:26OCT20Z

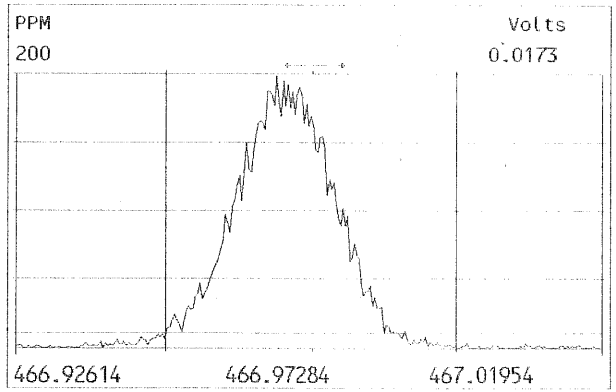
Experiment:1668PCB Function:6 Reference:PFK

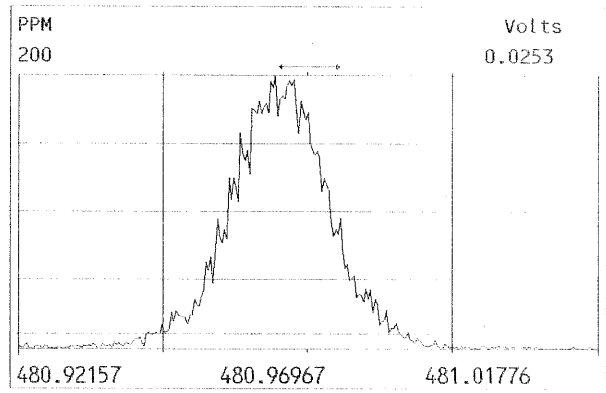


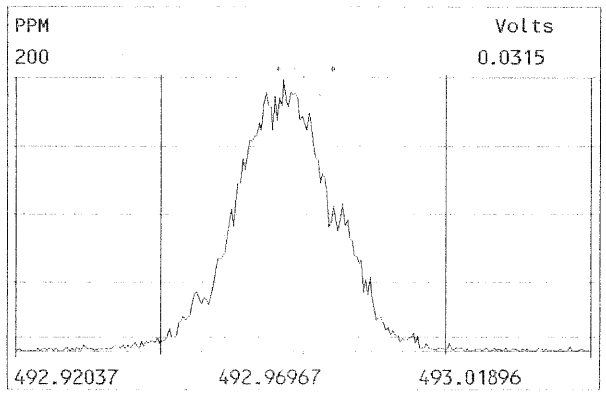


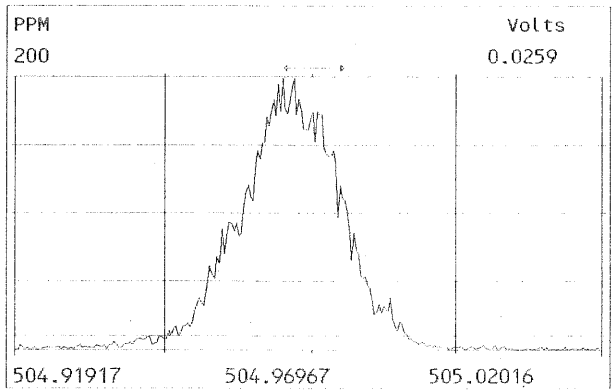


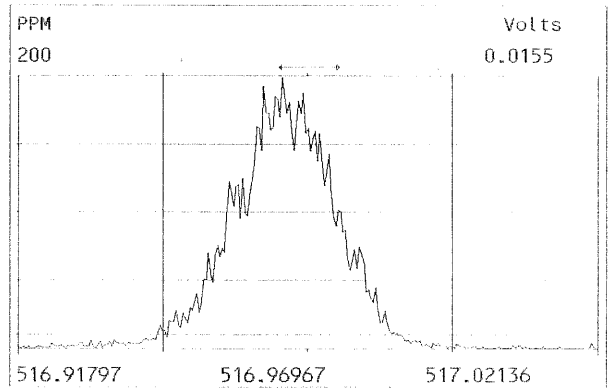




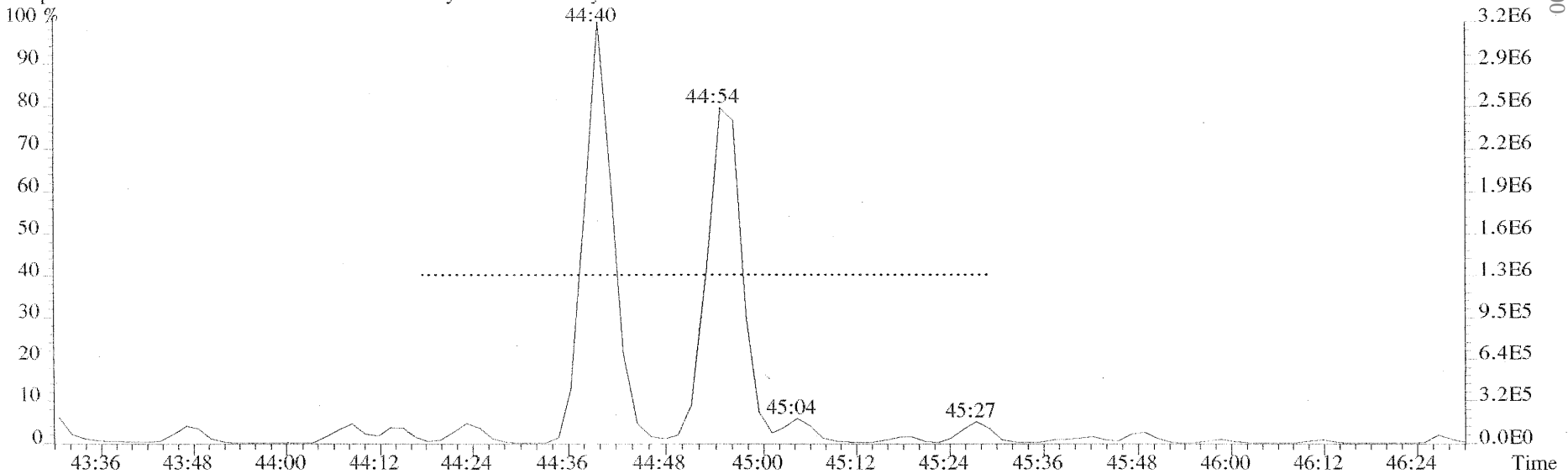




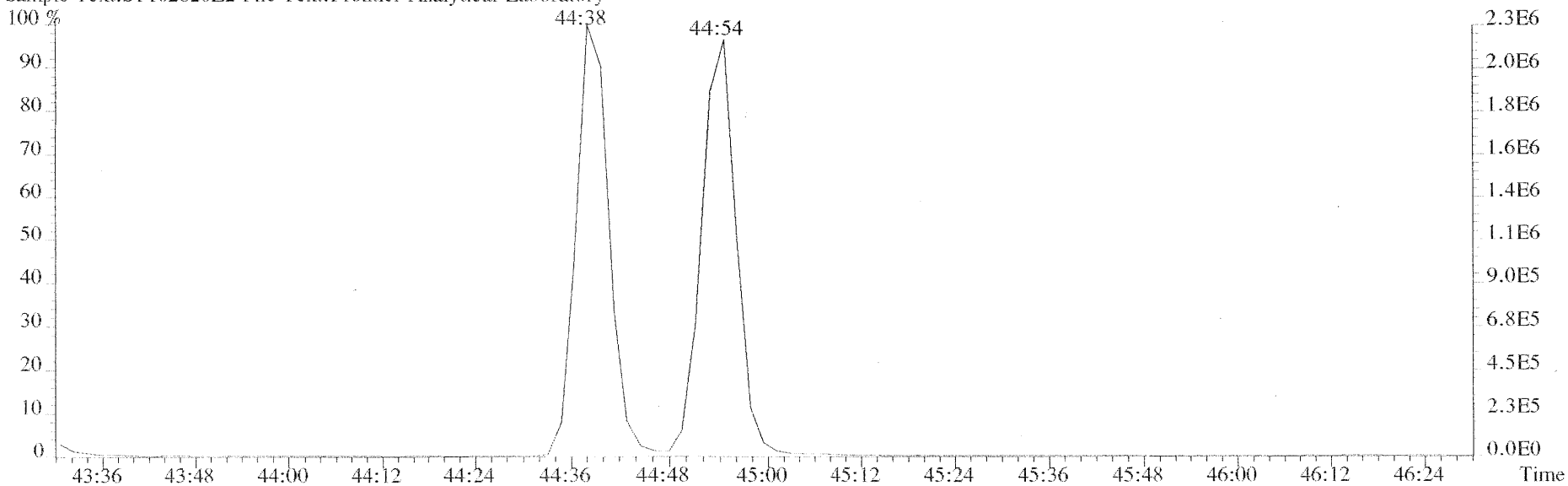




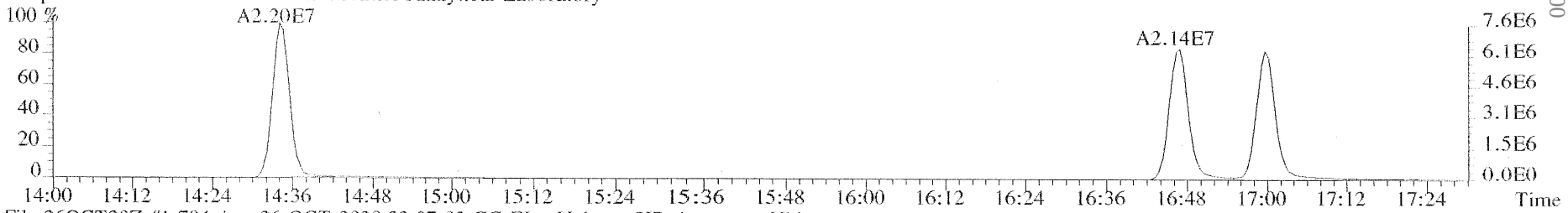
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



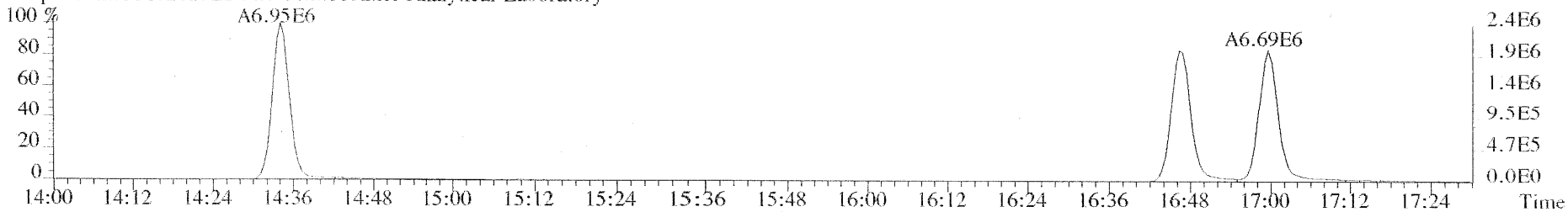
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



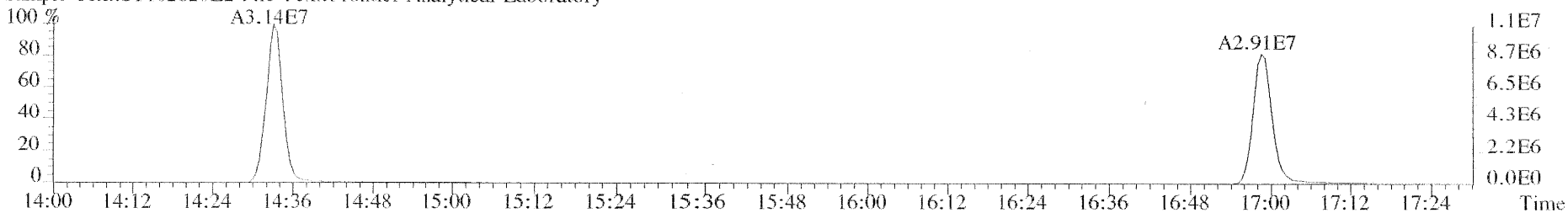
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



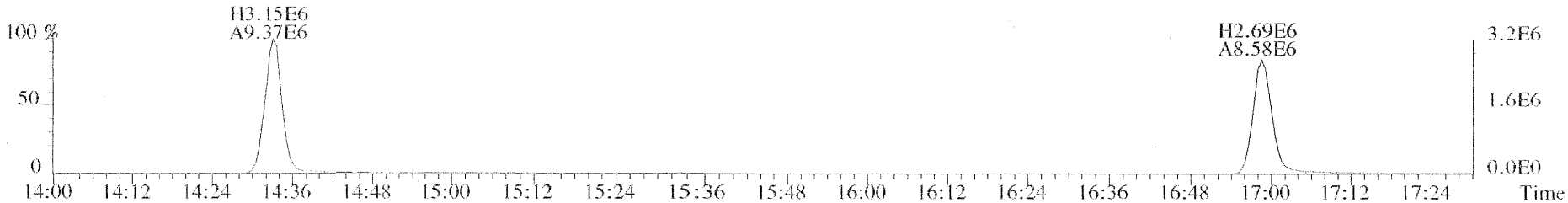
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



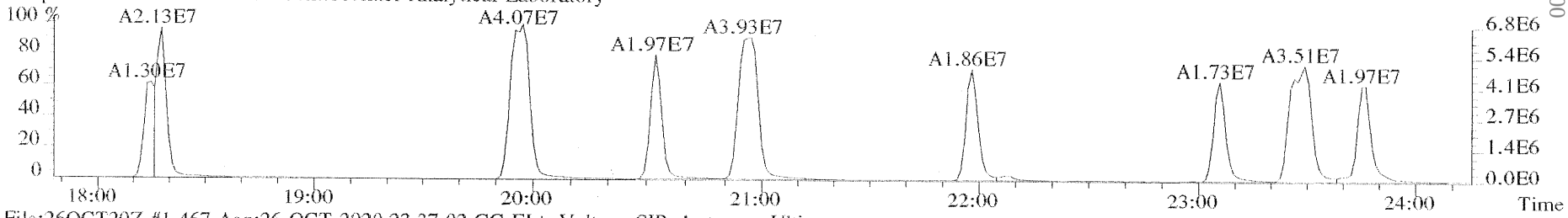
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



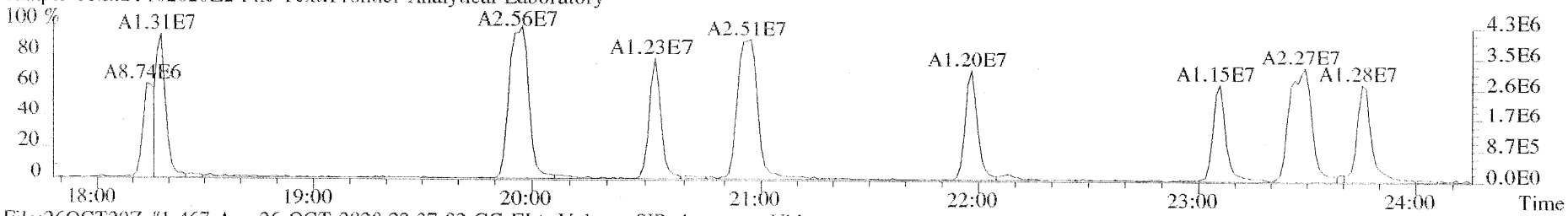
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



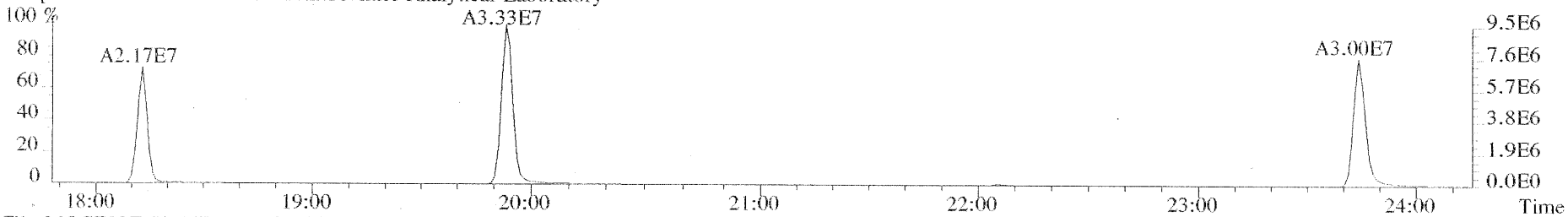
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



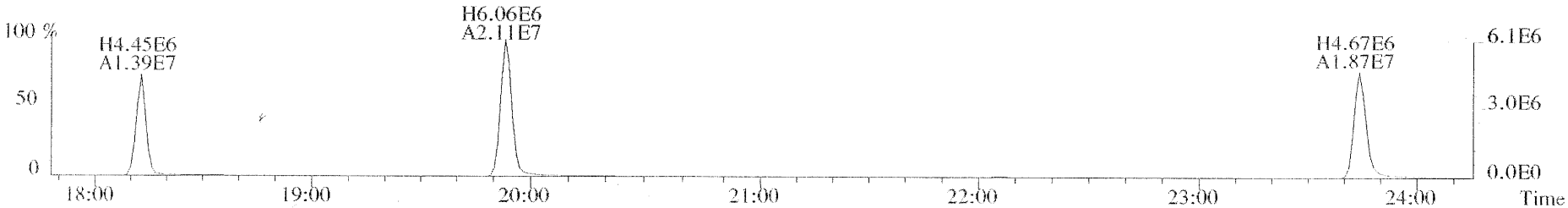
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



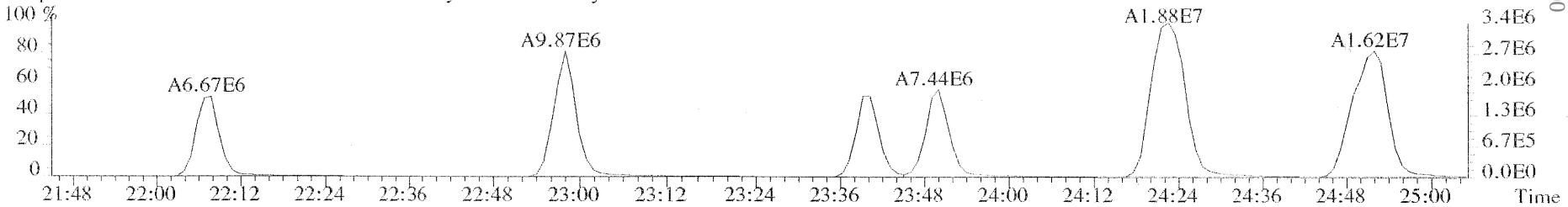
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



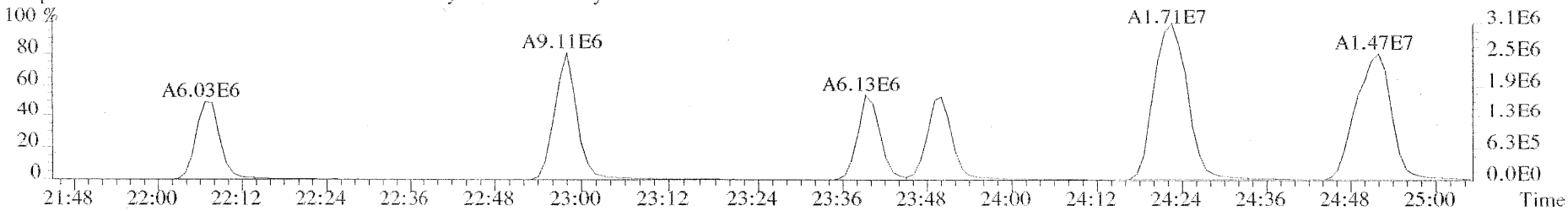
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



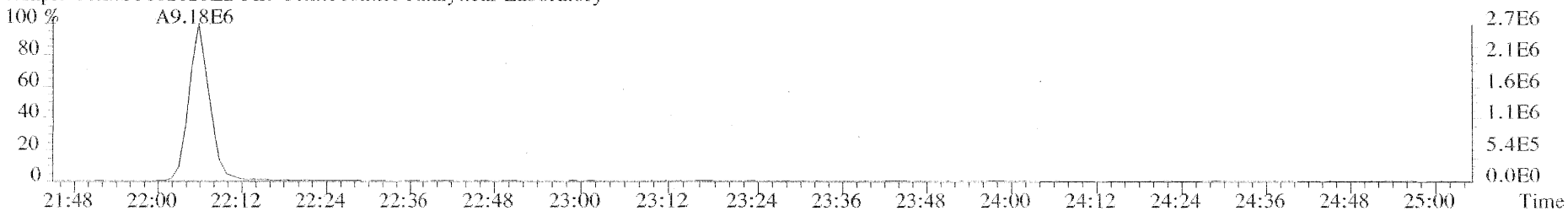
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



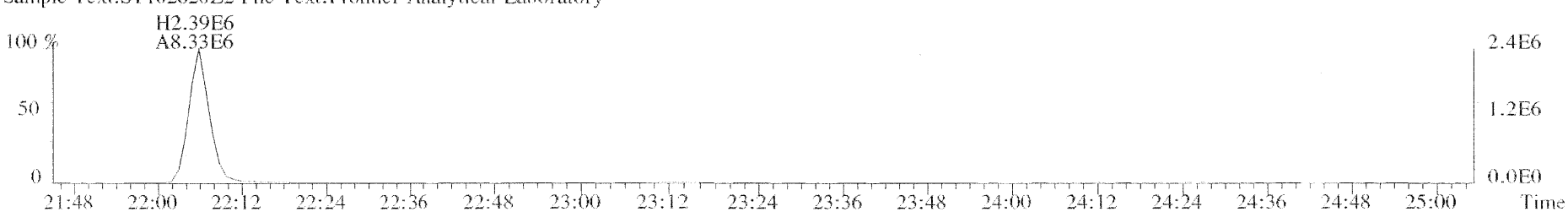
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



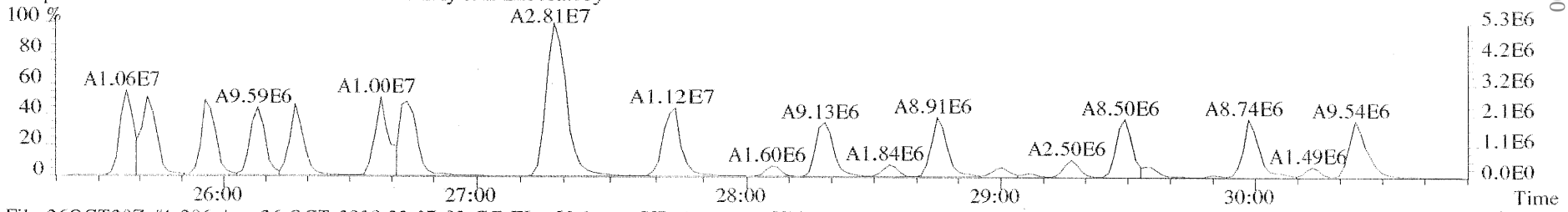
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



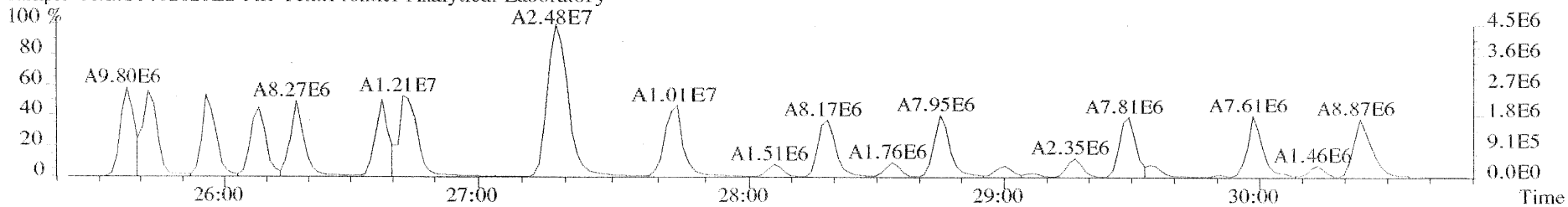
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



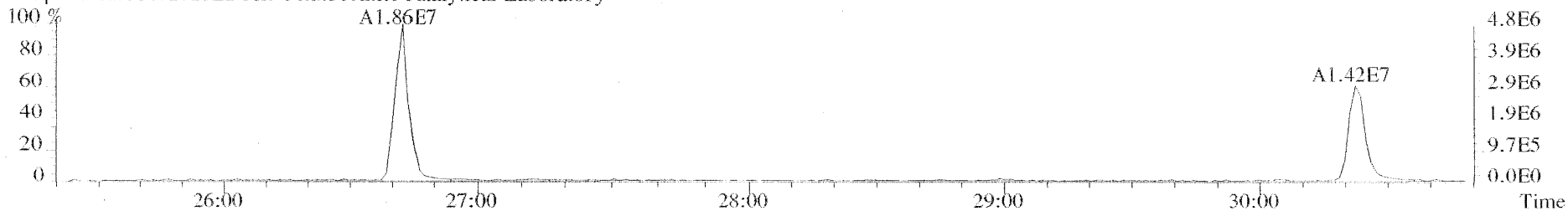
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



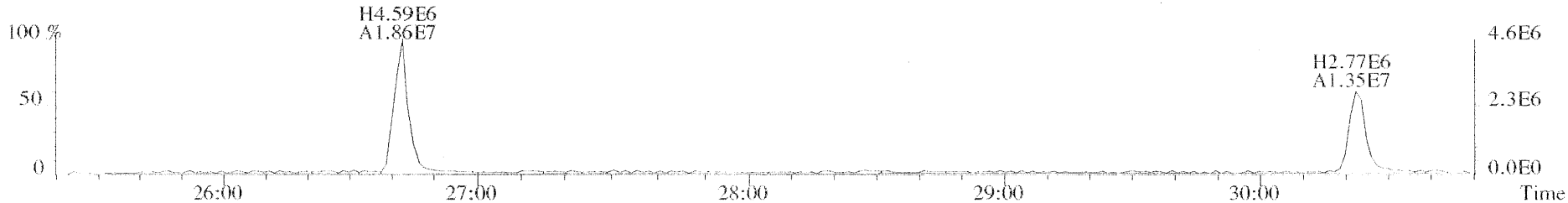
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



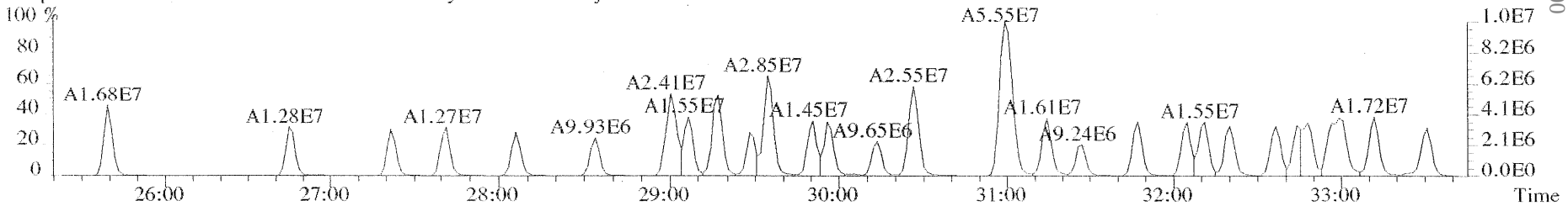
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



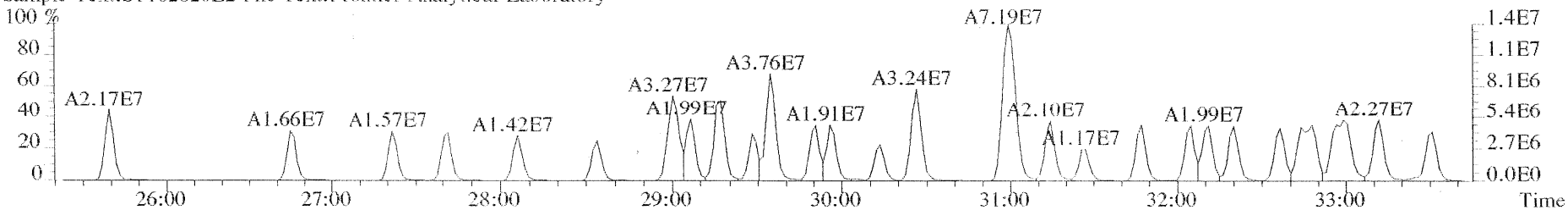
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



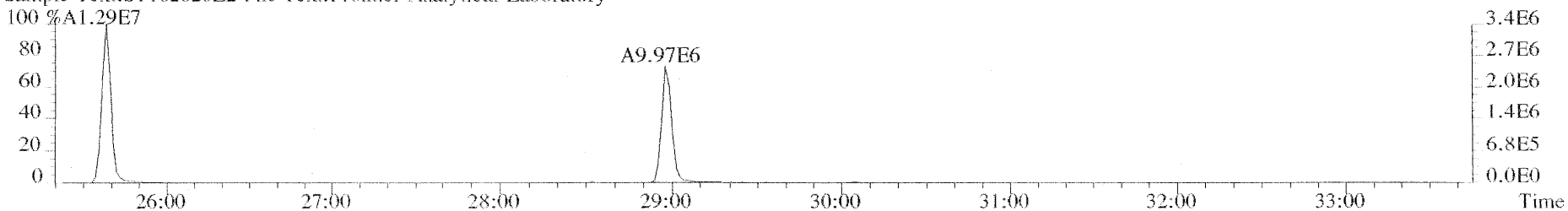
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



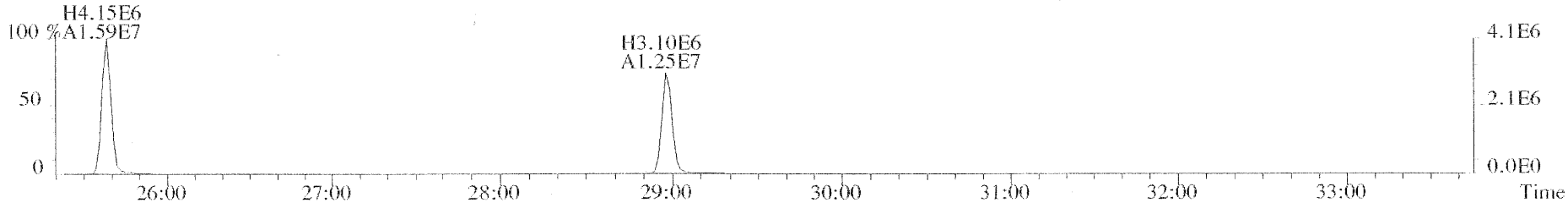
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



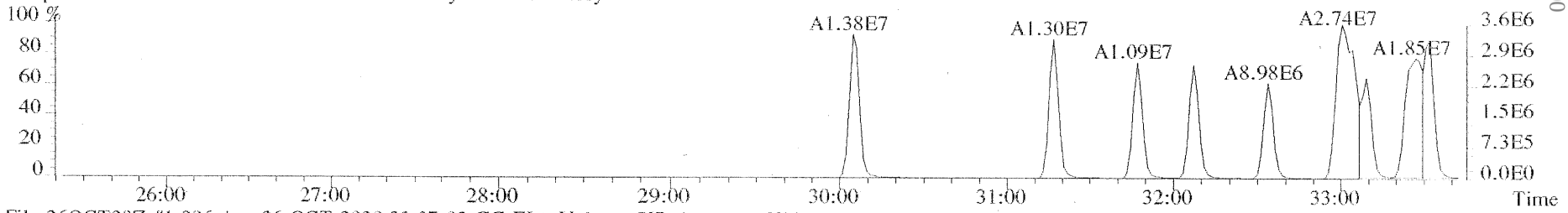
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



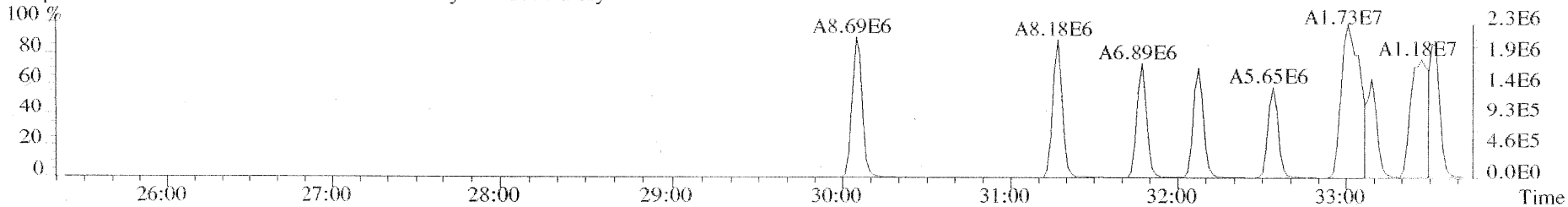
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



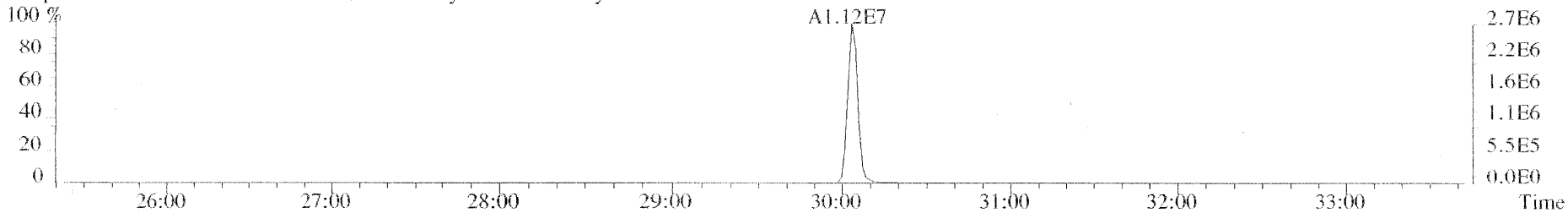
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



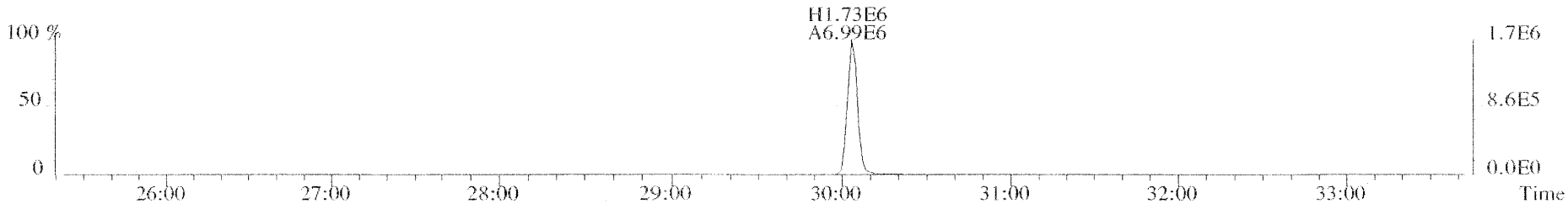
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



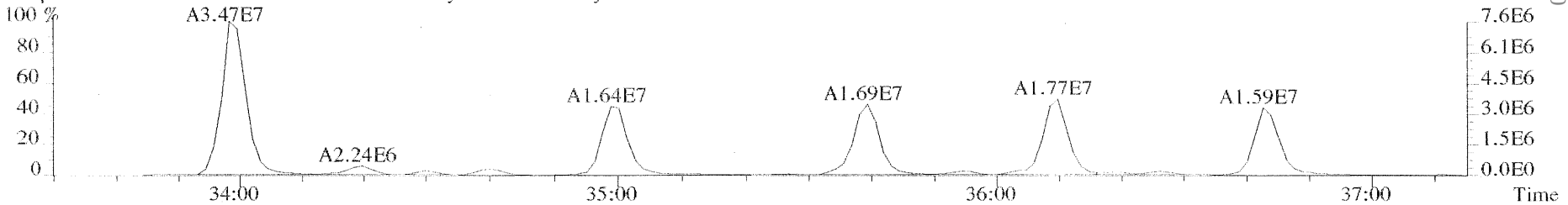
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



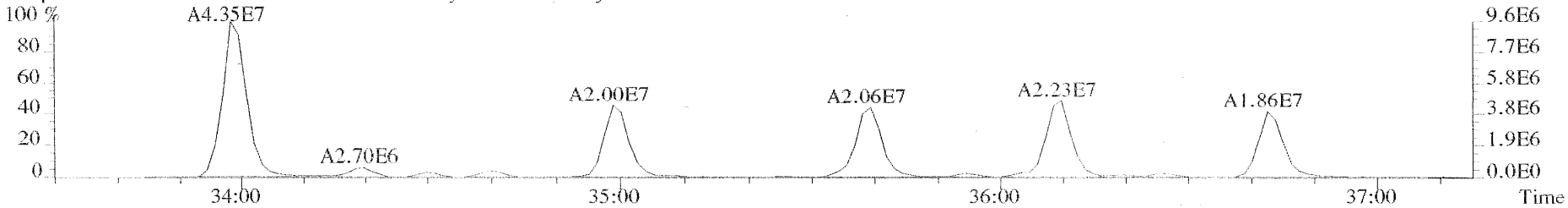
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



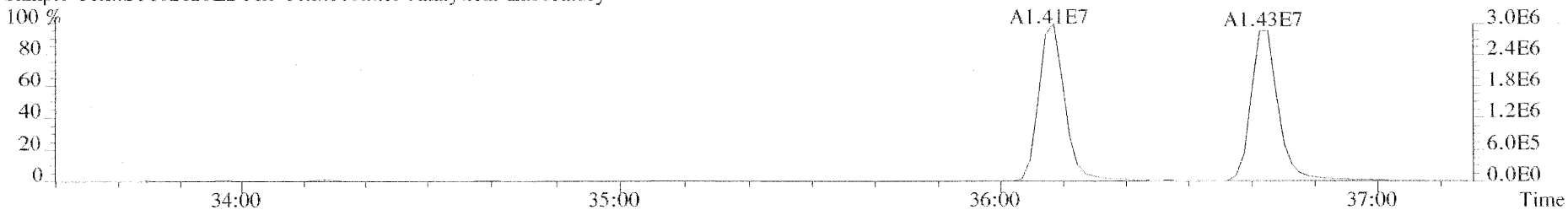
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



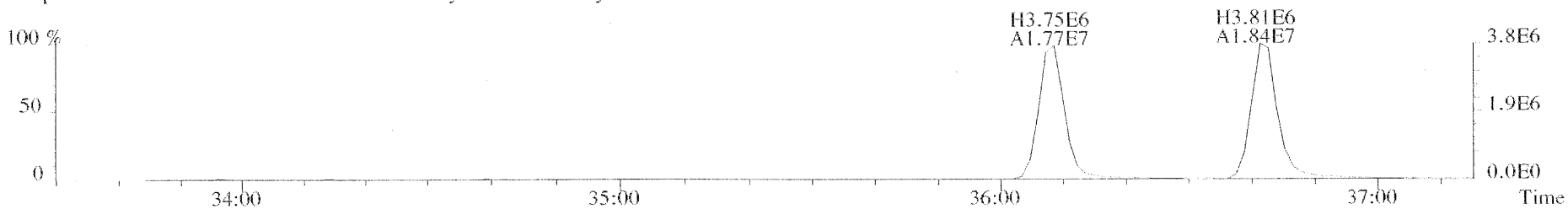
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



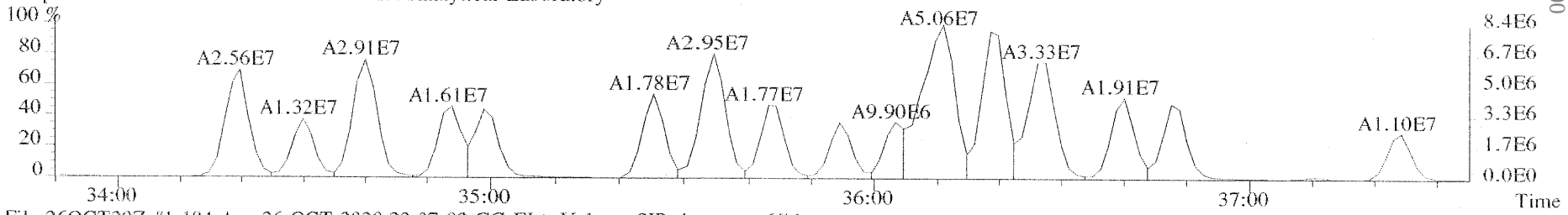
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



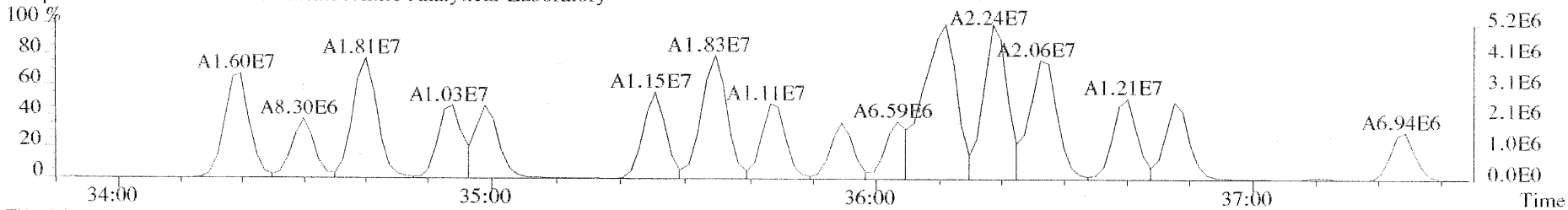
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



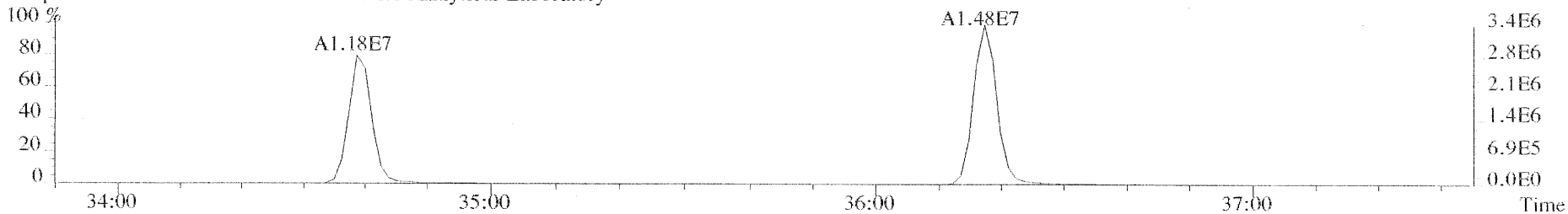
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



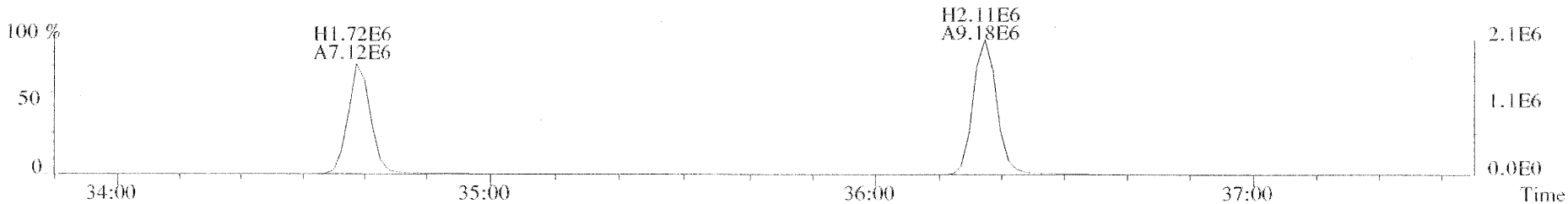
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



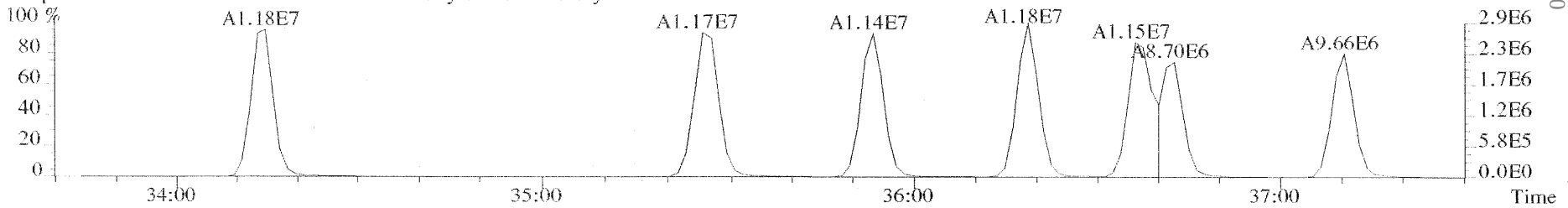
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



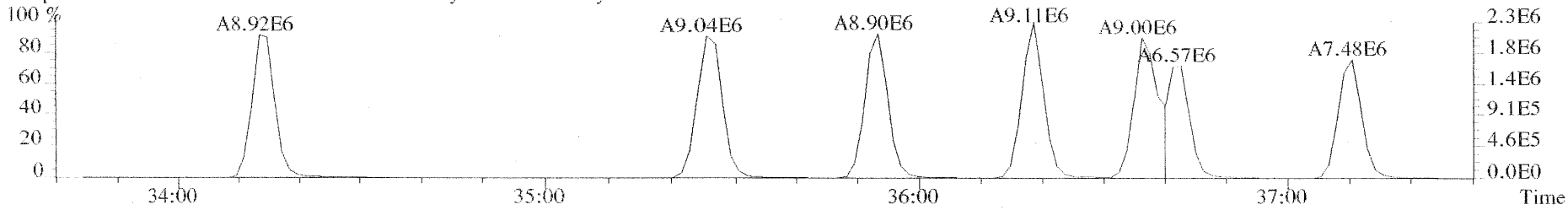
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



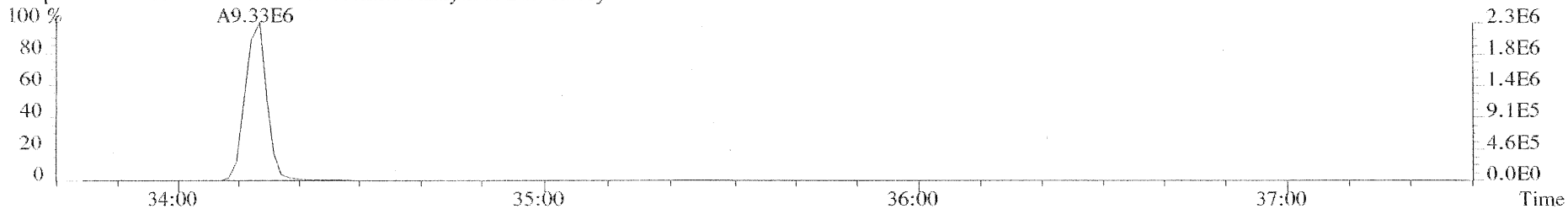
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



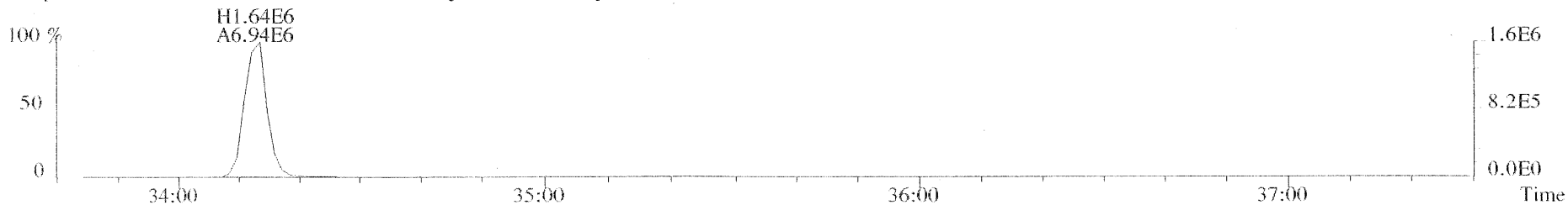
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



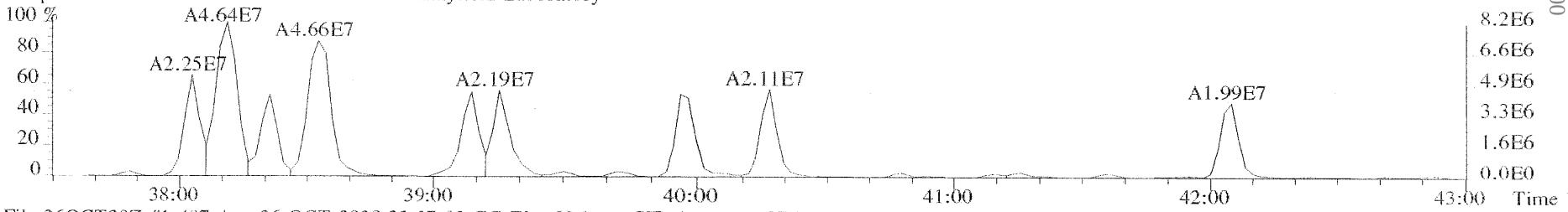
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



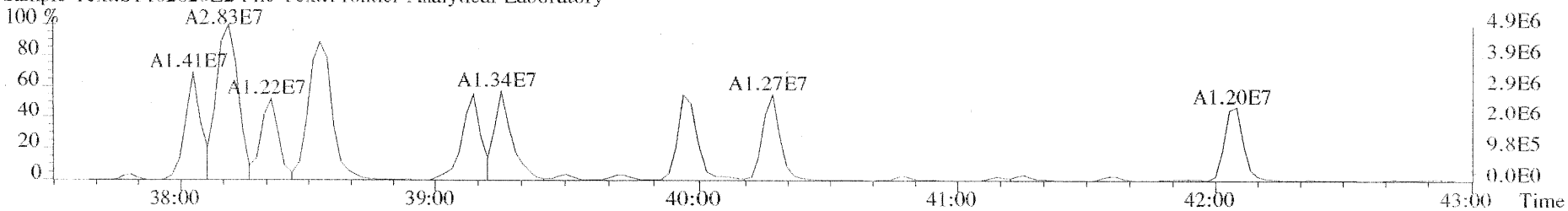
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



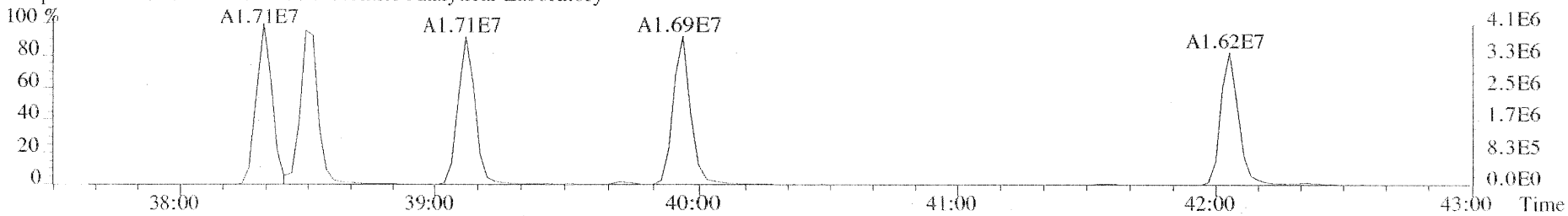
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



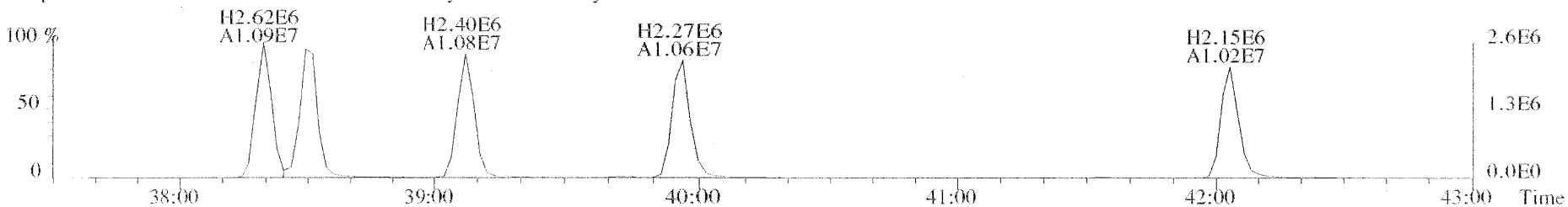
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



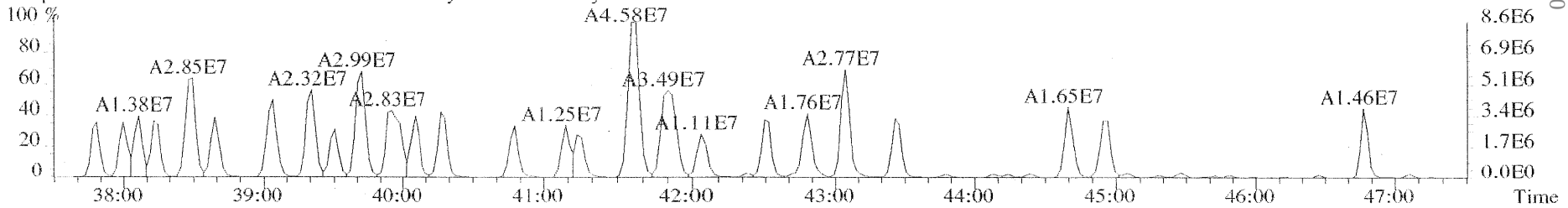
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



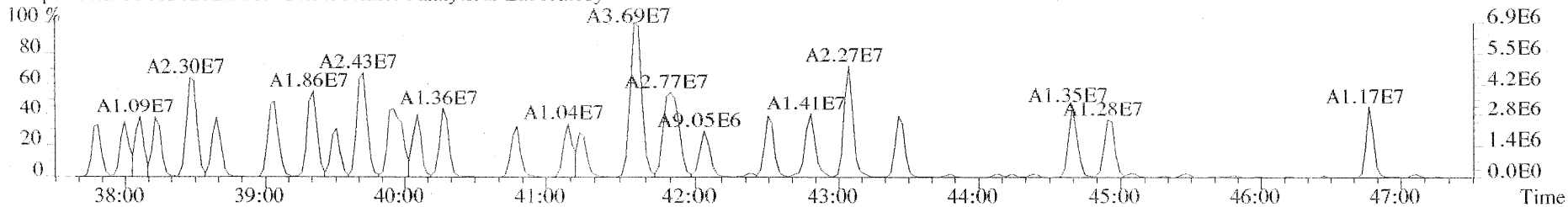
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



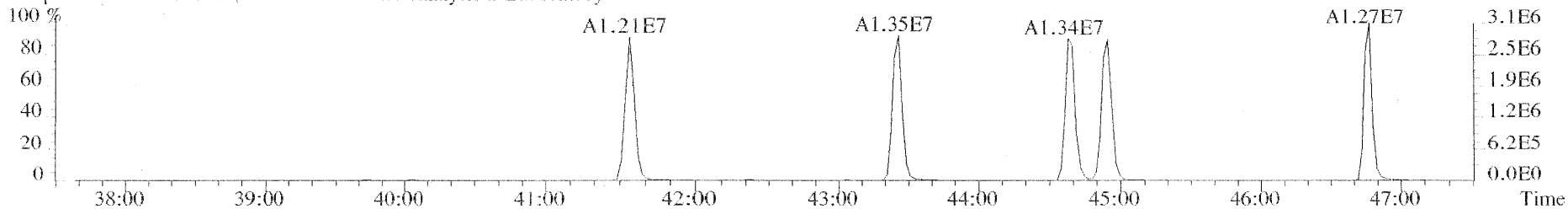
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



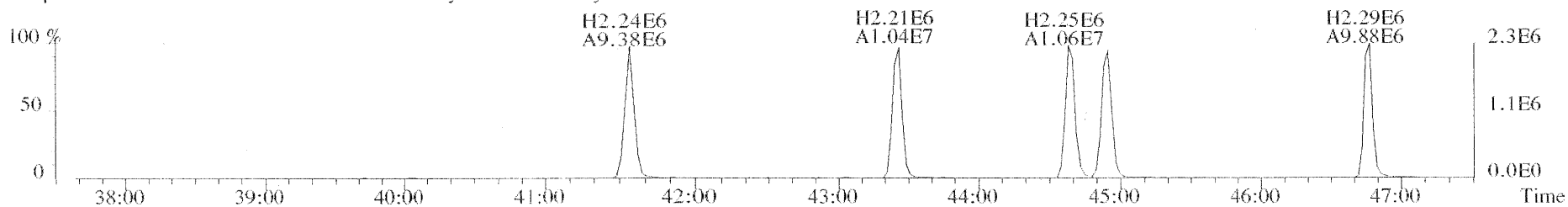
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



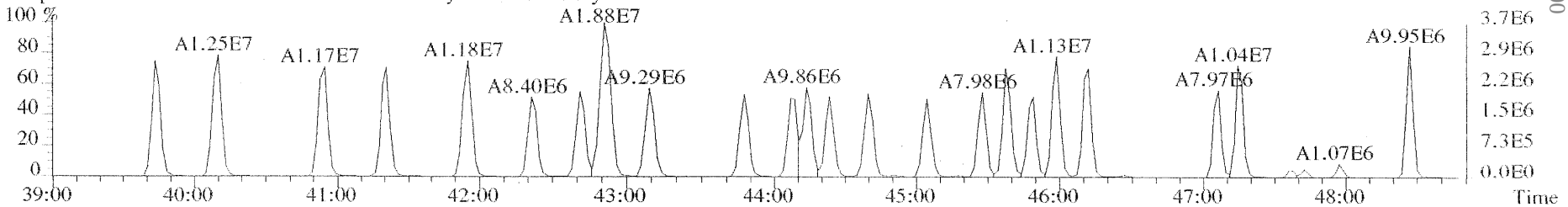
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



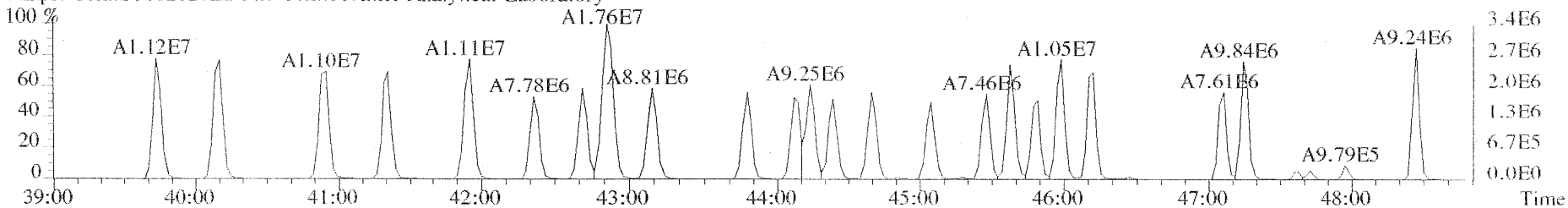
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



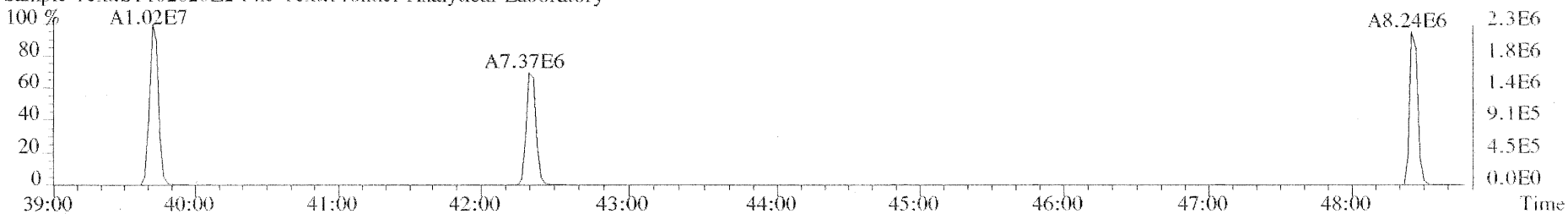
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



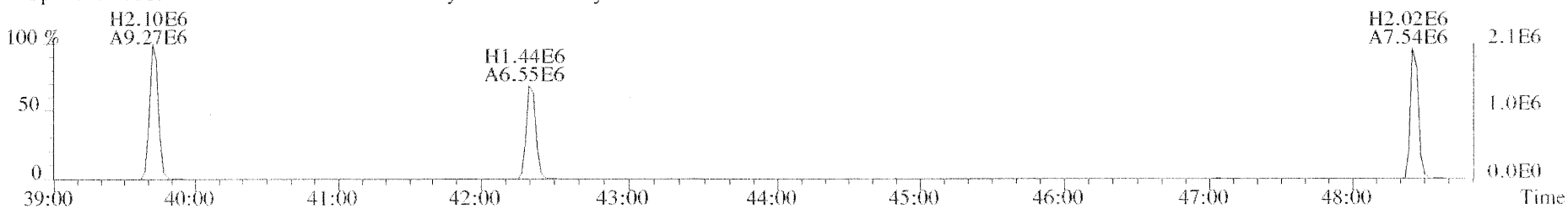
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



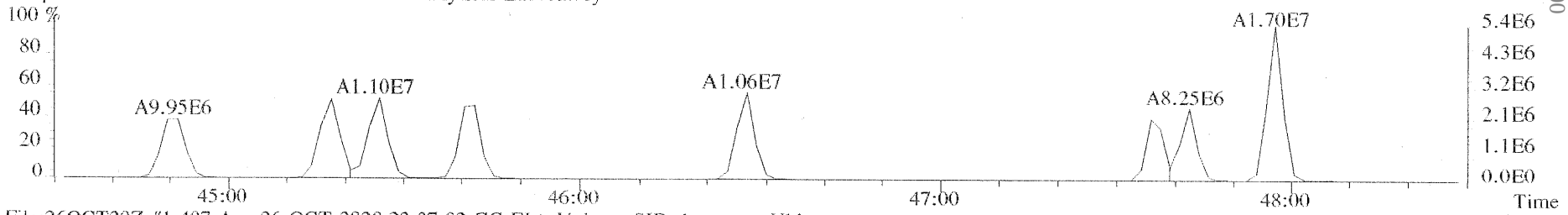
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



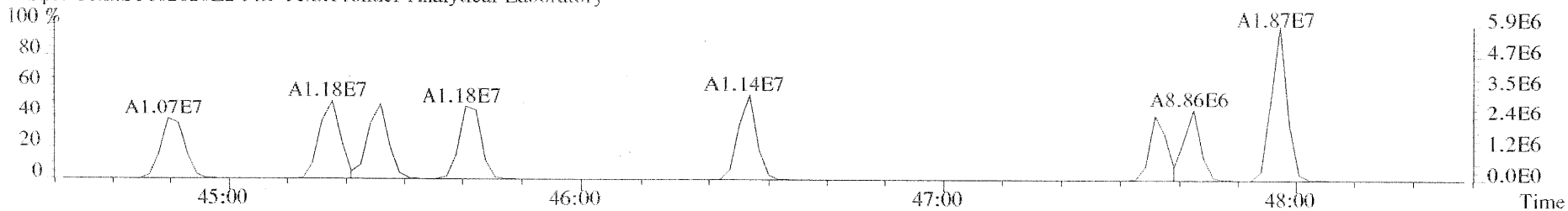
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



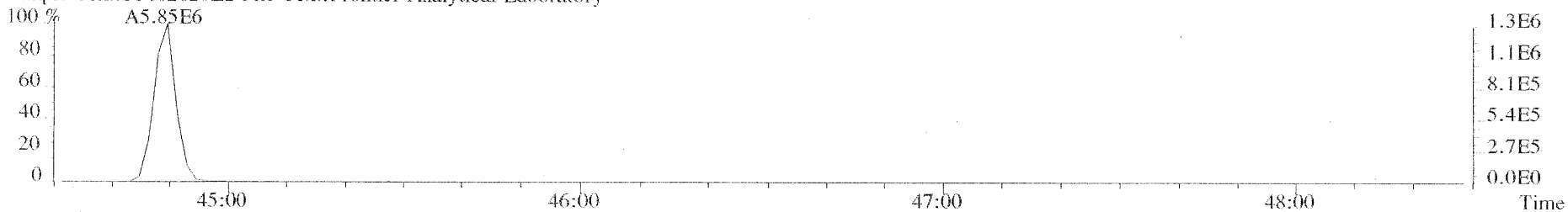
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



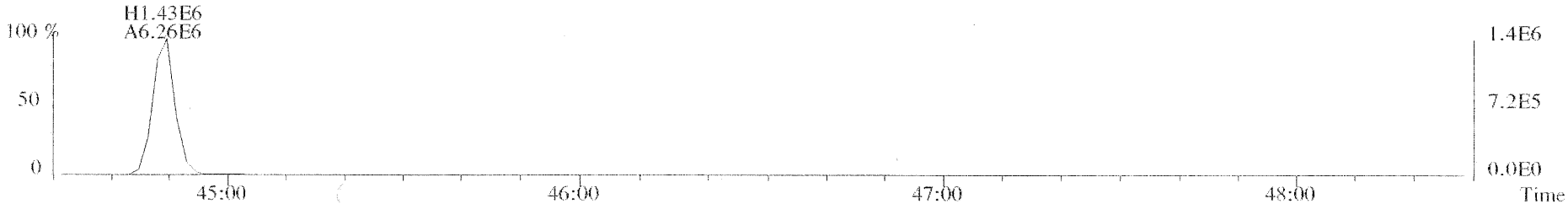
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



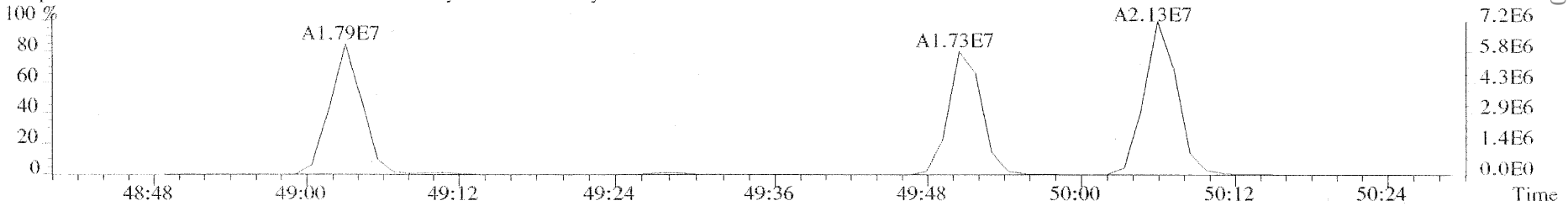
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



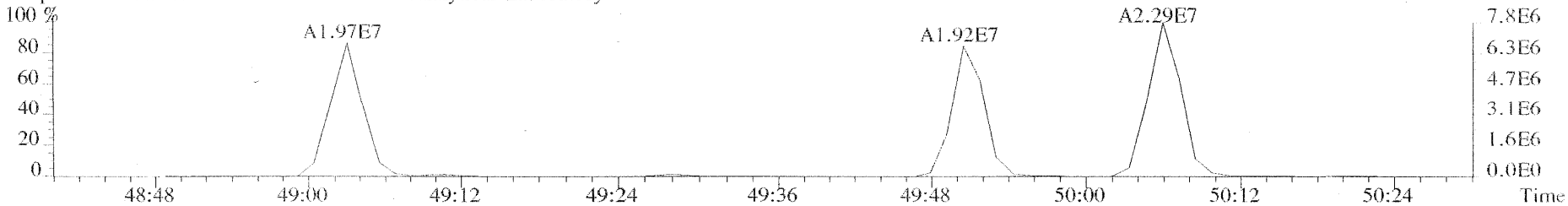
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



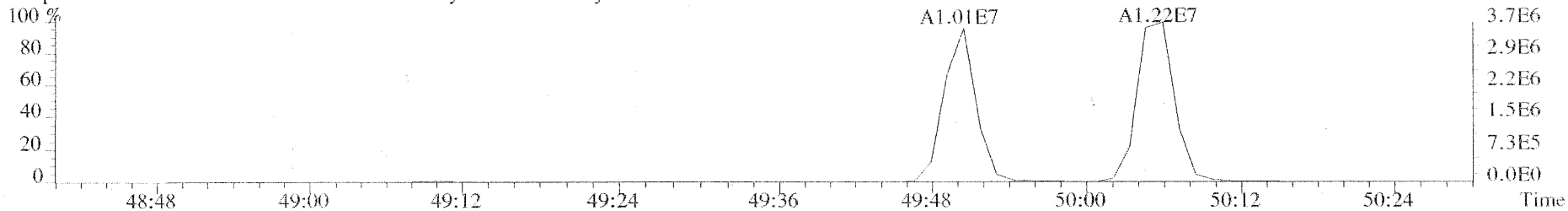
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



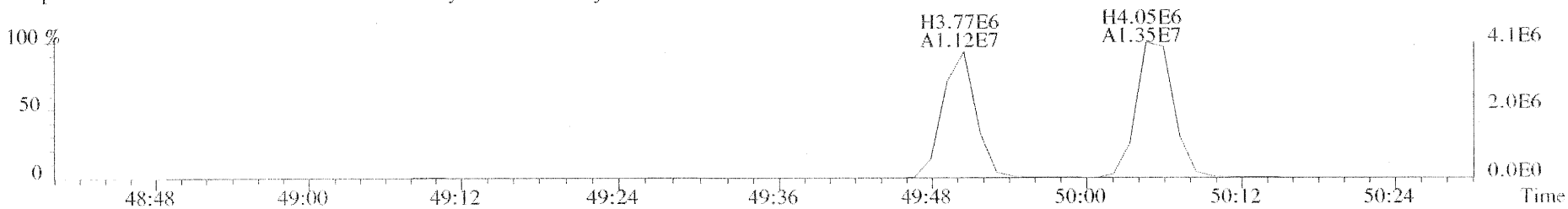
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



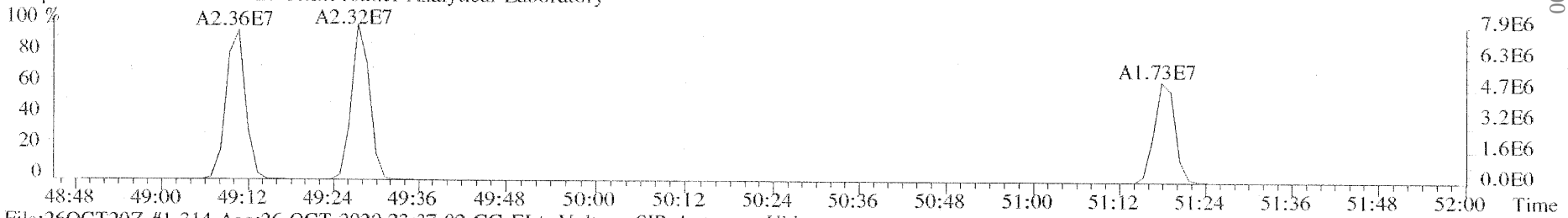
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



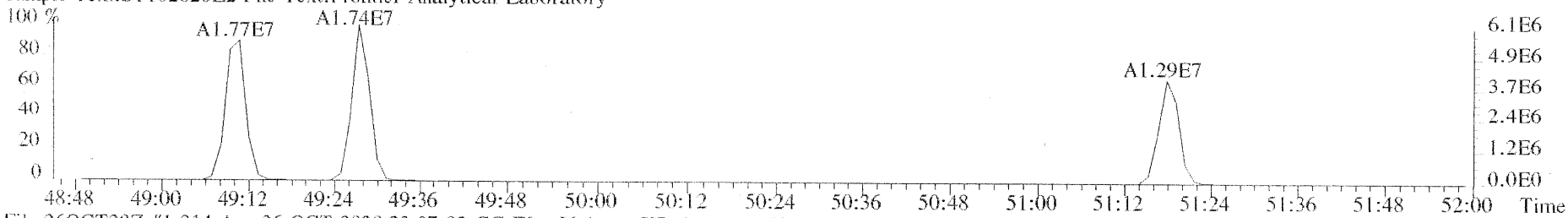
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



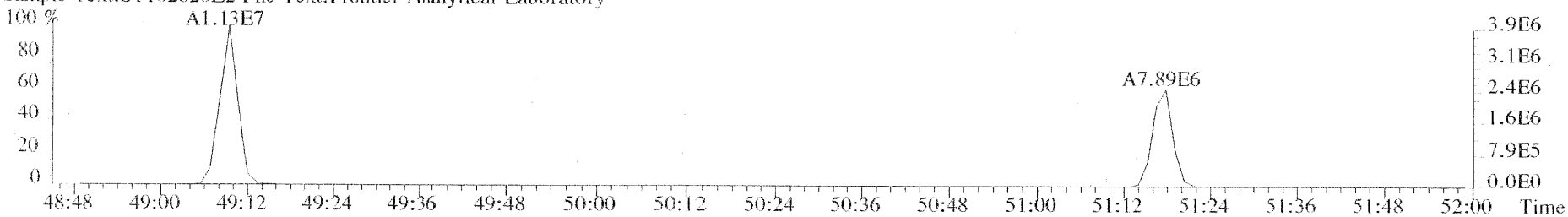
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



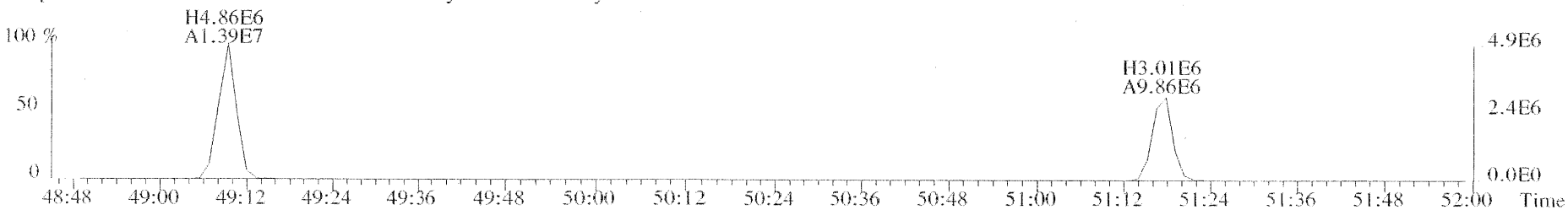
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



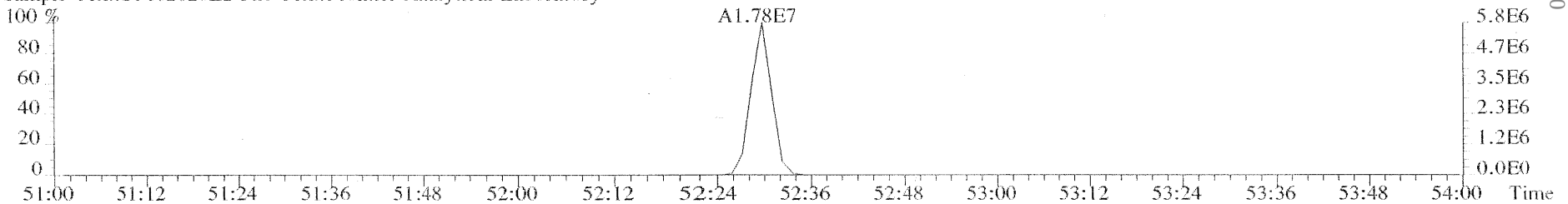
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



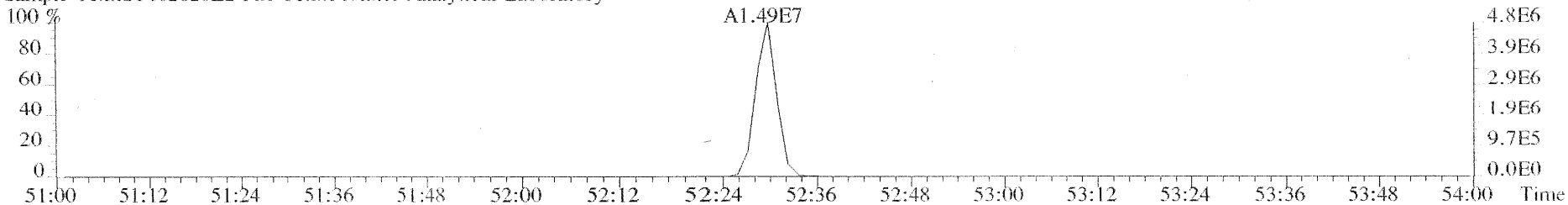
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



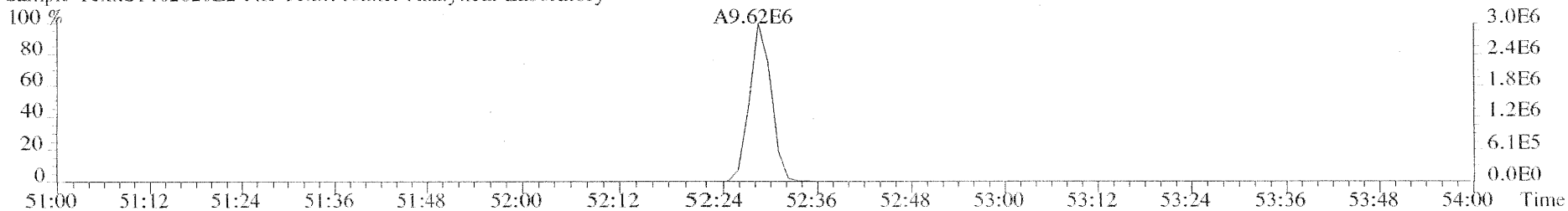
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



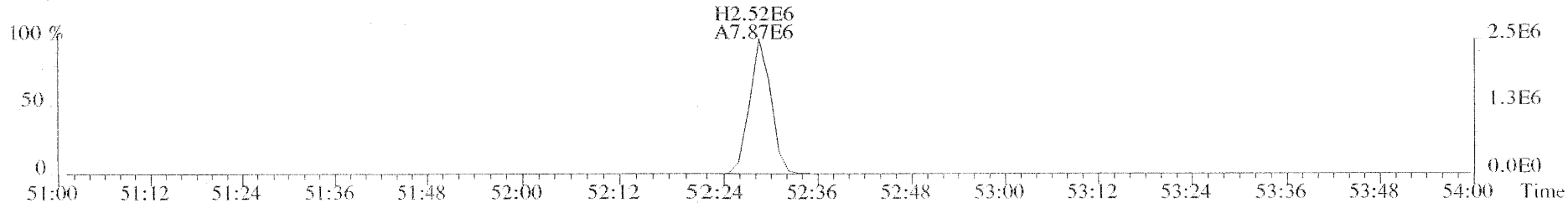
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



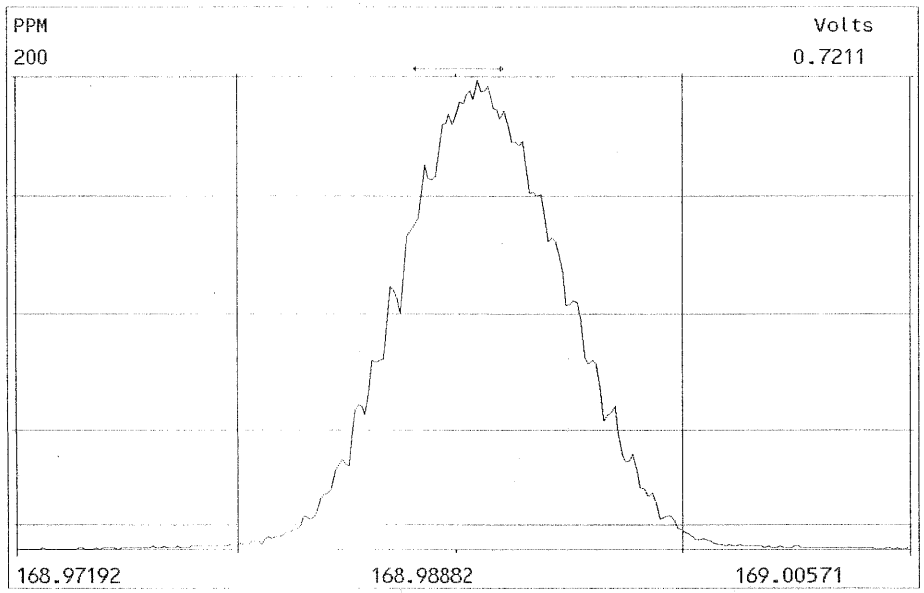
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory

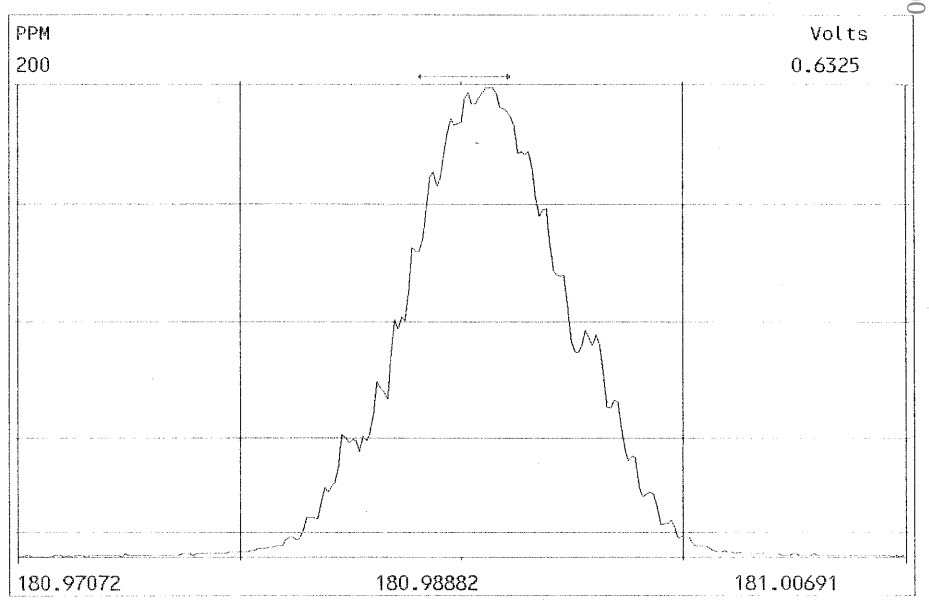


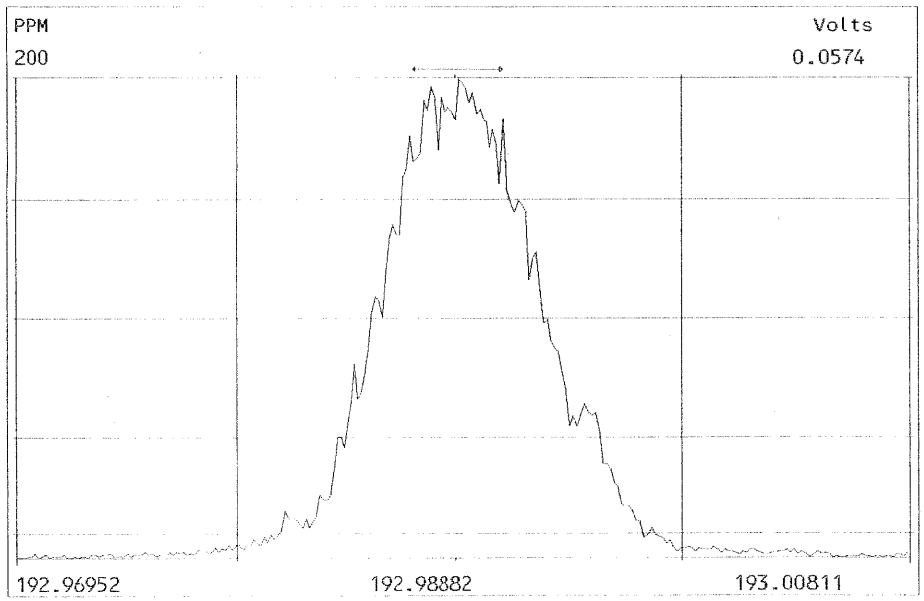
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory

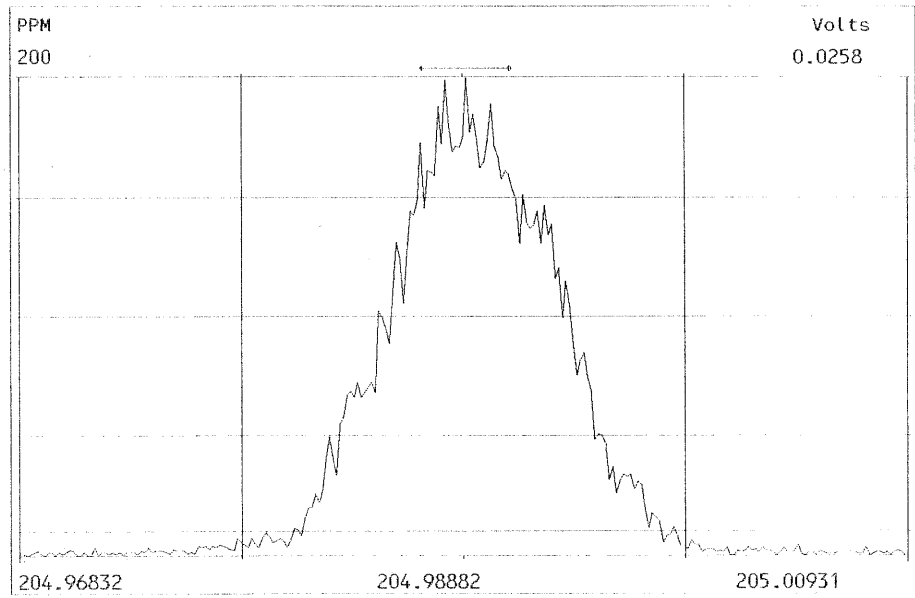


Peak Locate Examination:27-OCT-2020:01:04 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

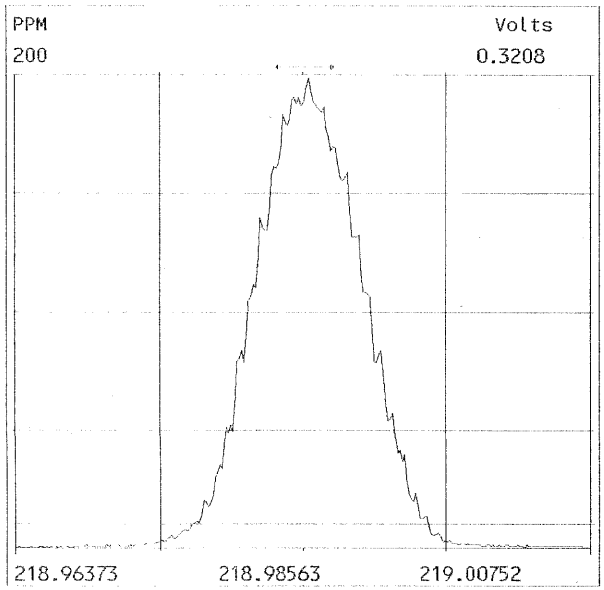


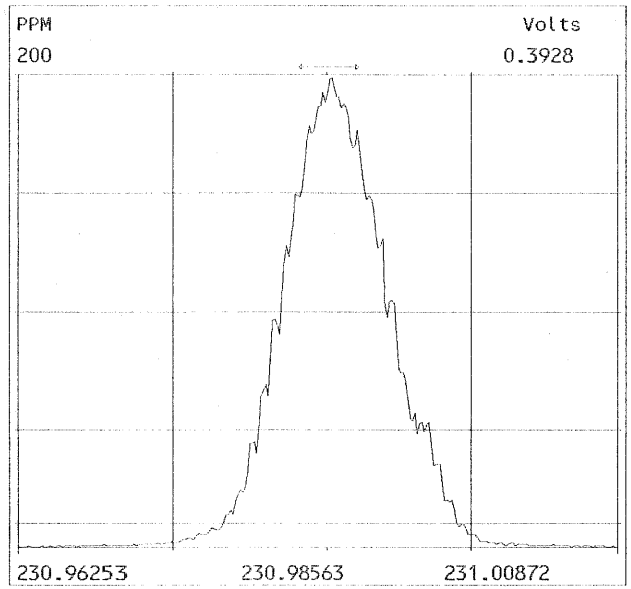


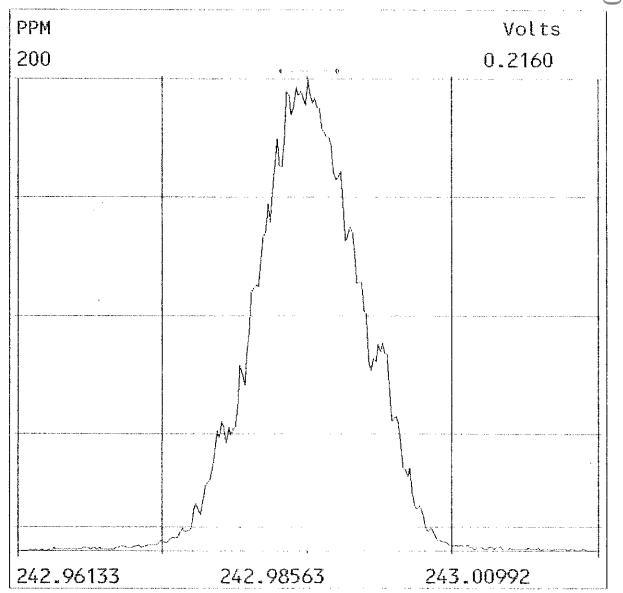


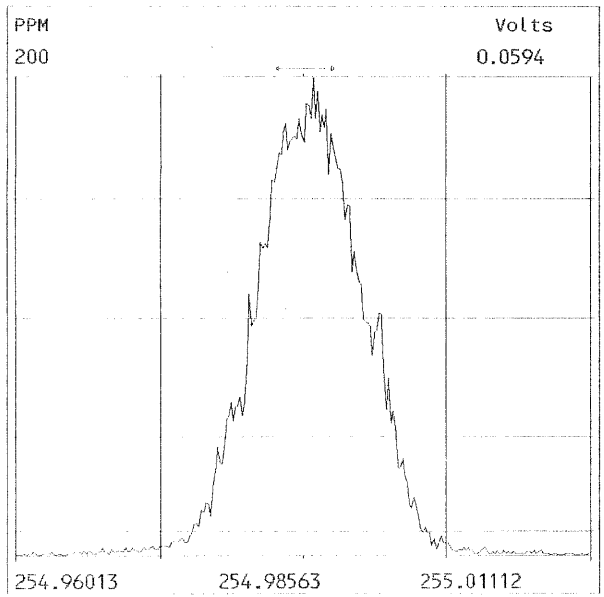


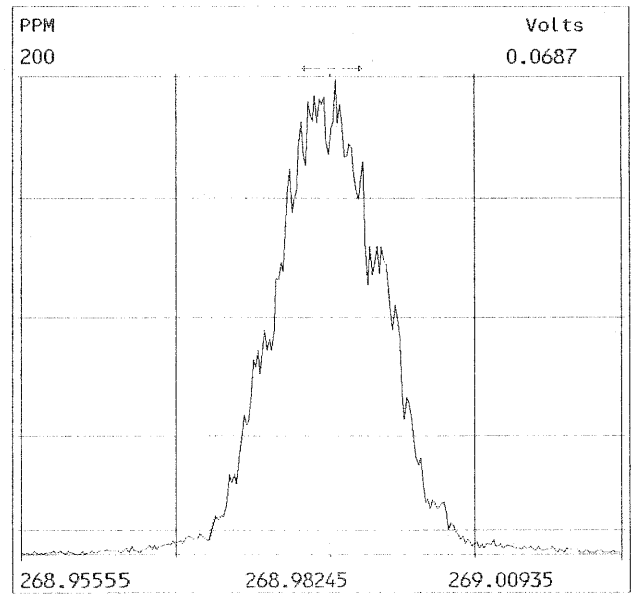
Peak Locate Examination:27-OCT-2020:01:06 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

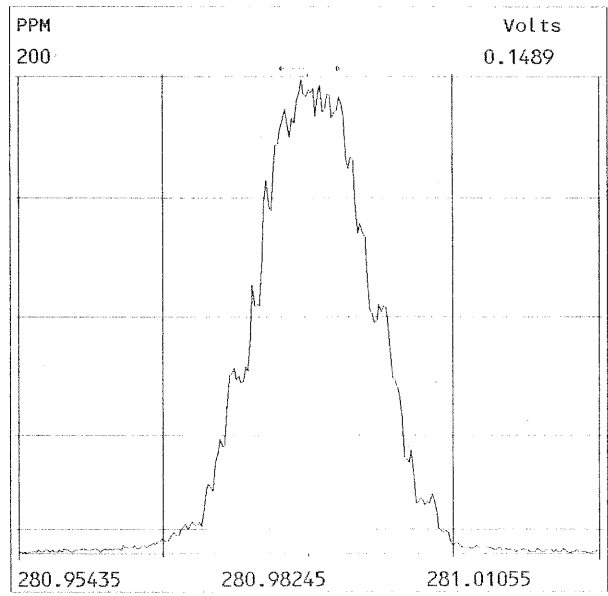




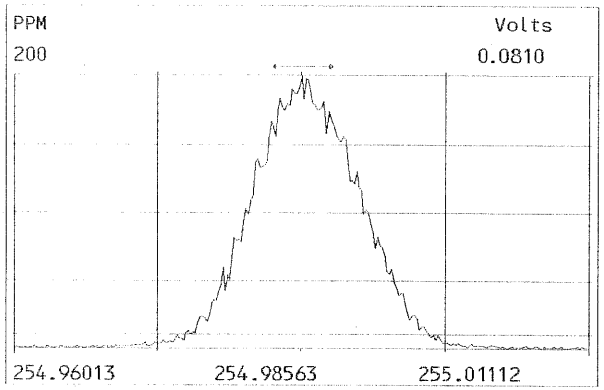


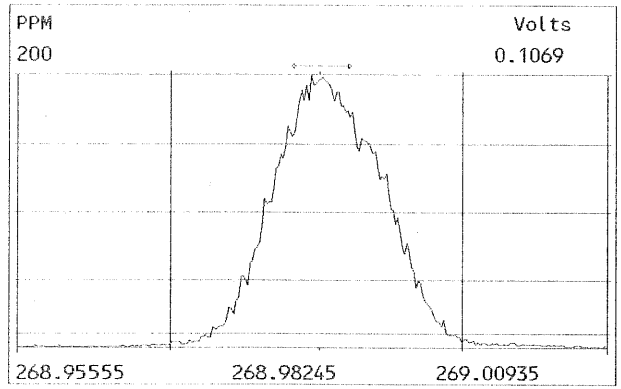


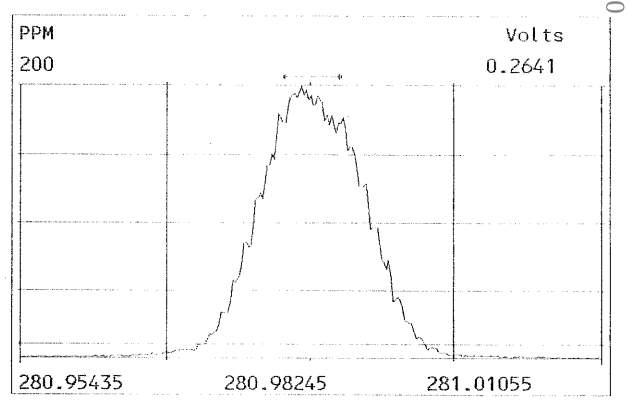


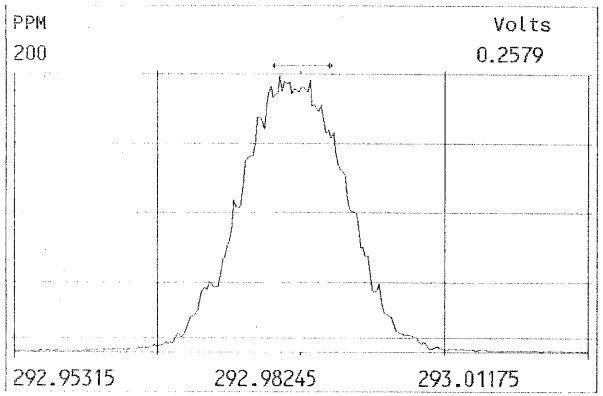


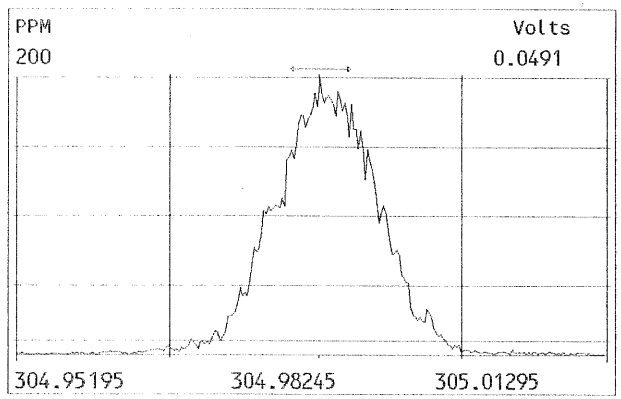
Peak Locate Examination:27-OCT-2020:01:09 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

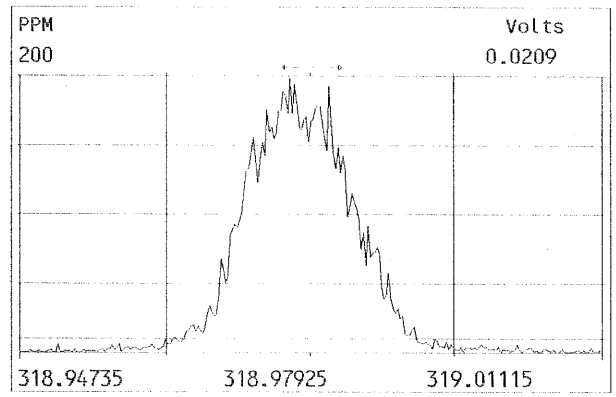


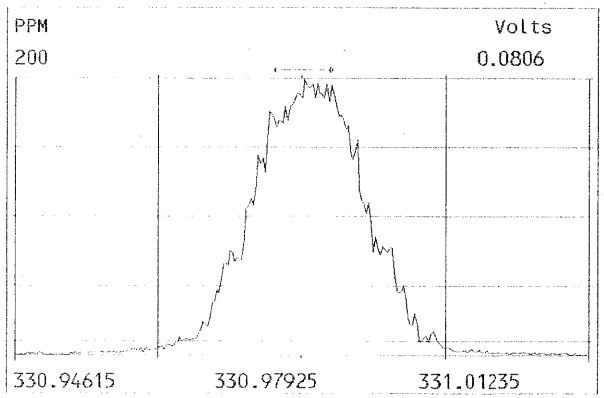


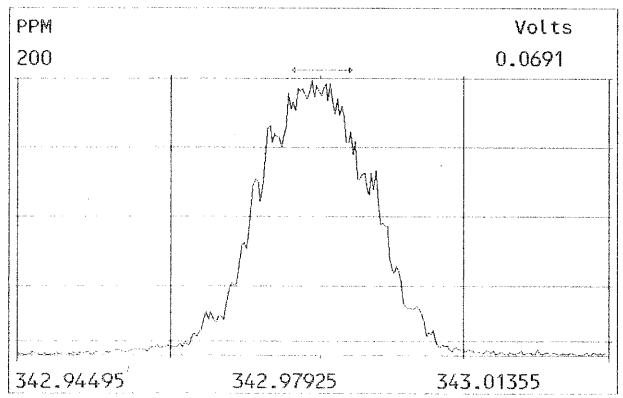






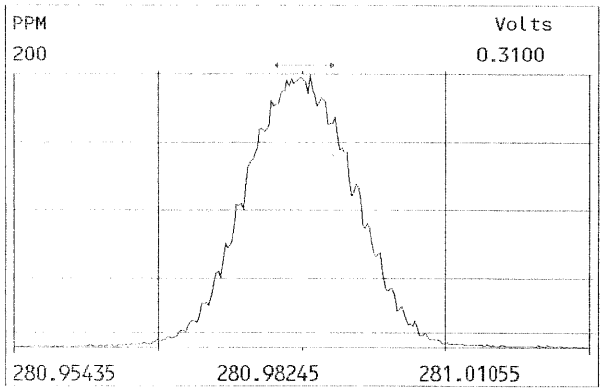


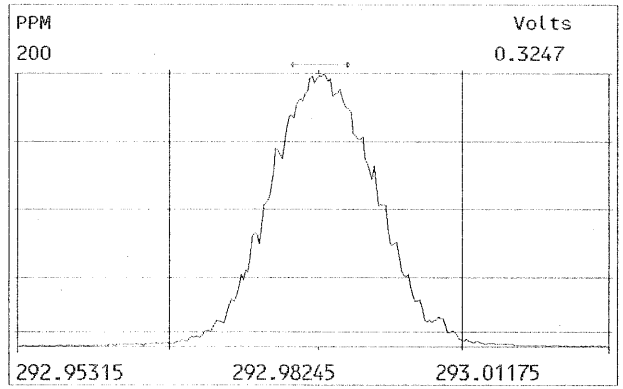


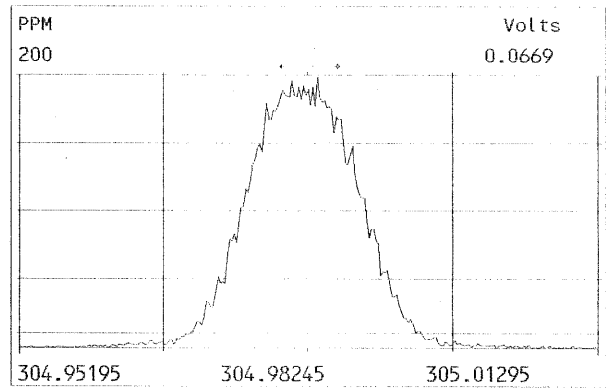


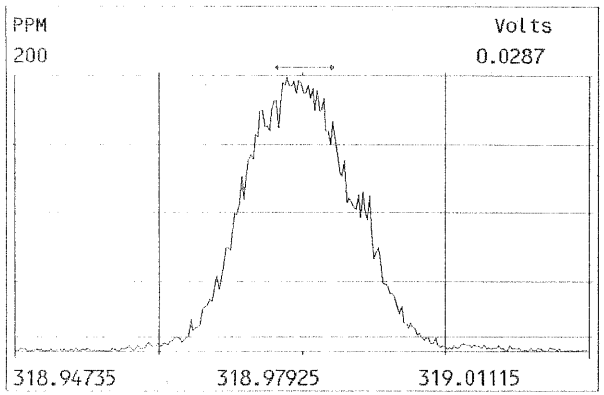
Peak Locate Examination:27-OCT-2020:01:11 File:26OCT20Z_RES_CHECK

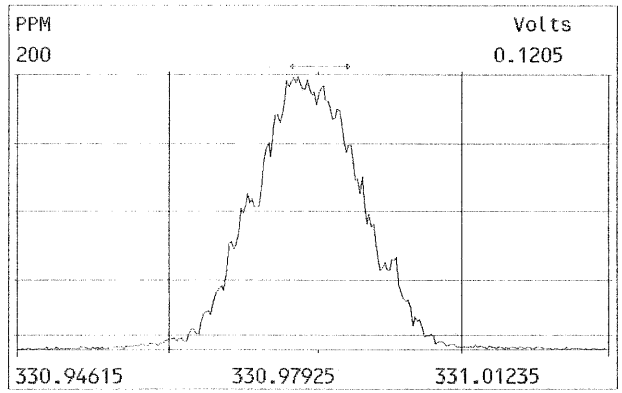
Experiment:1668PCB Function:4 Reference:PFK

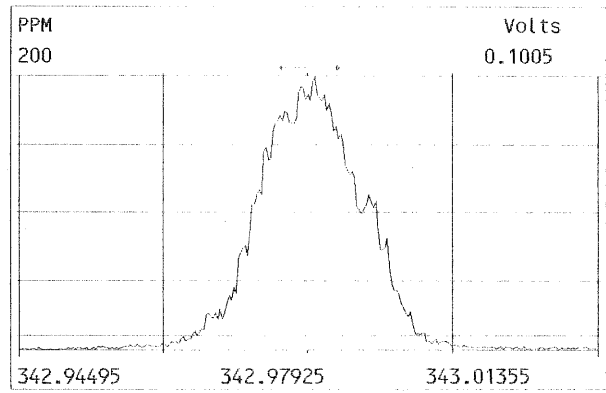


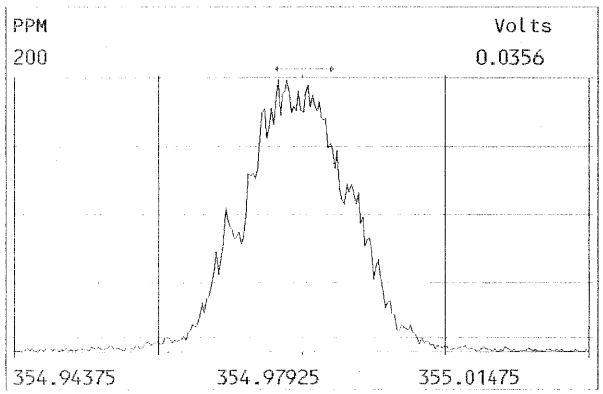


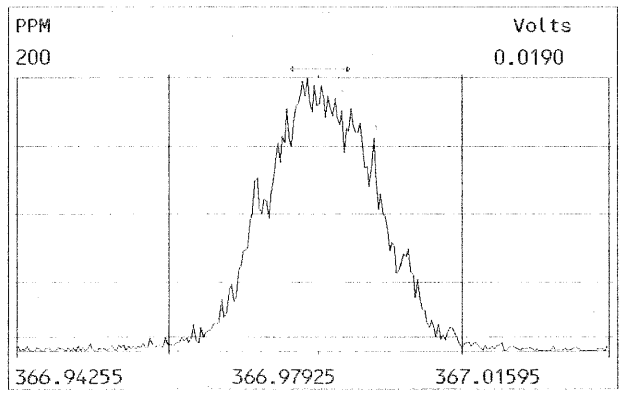


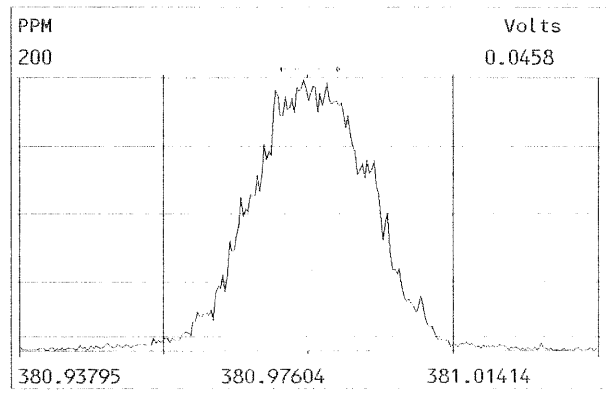




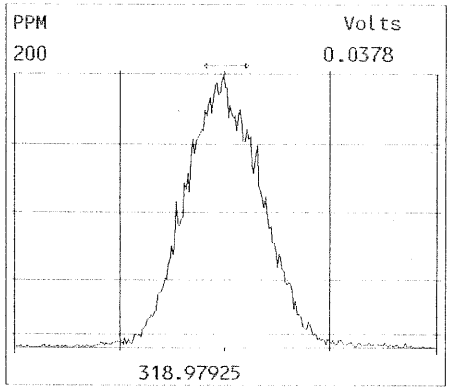


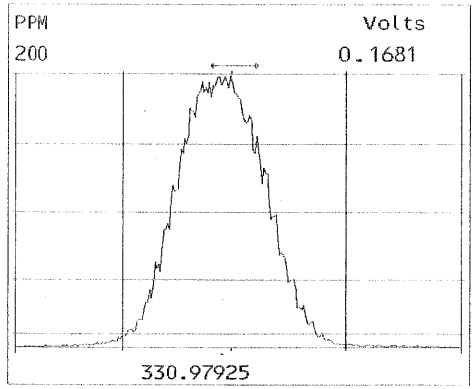


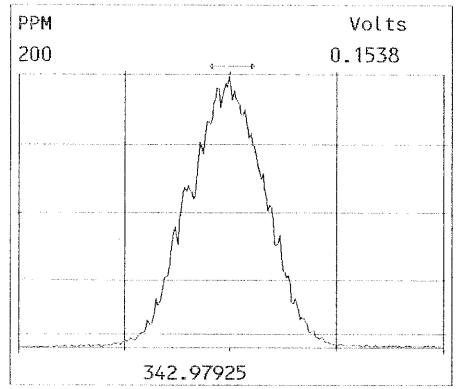


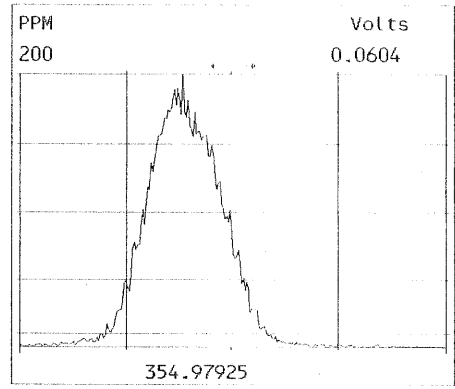


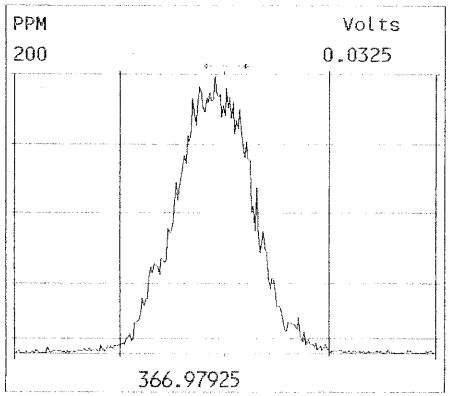
Peak Locate Examination:27-OCT-2020:01:13 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

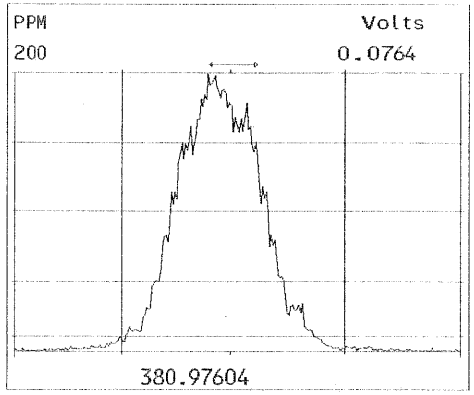


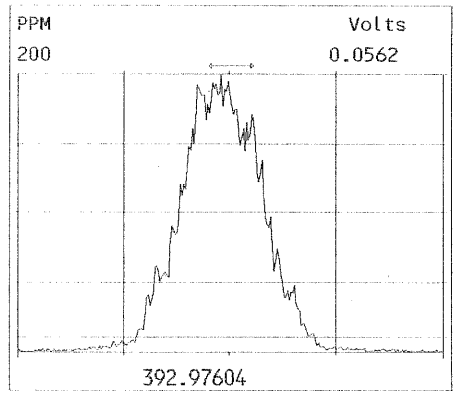


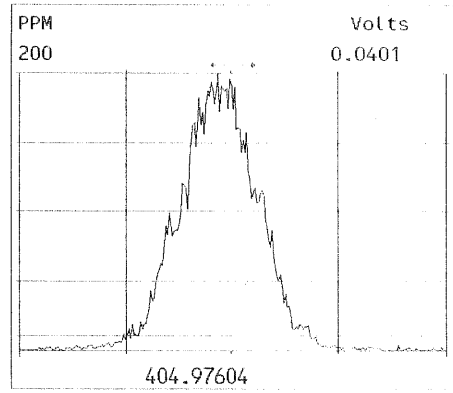


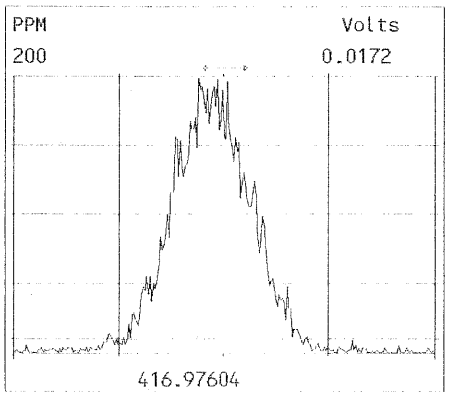


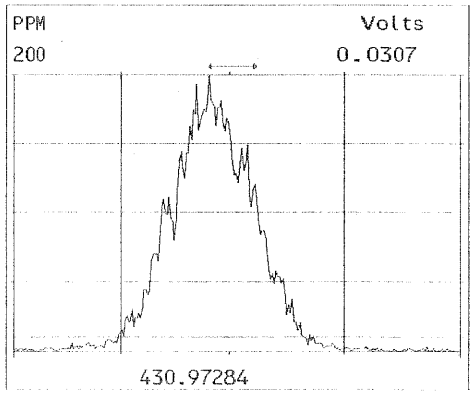


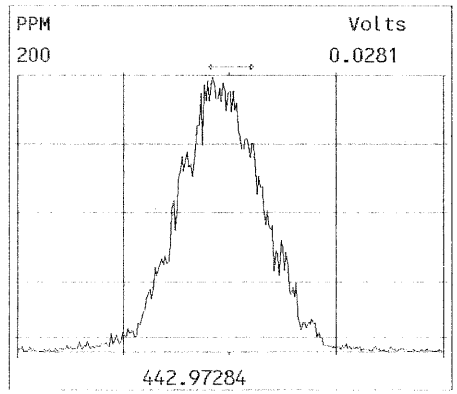


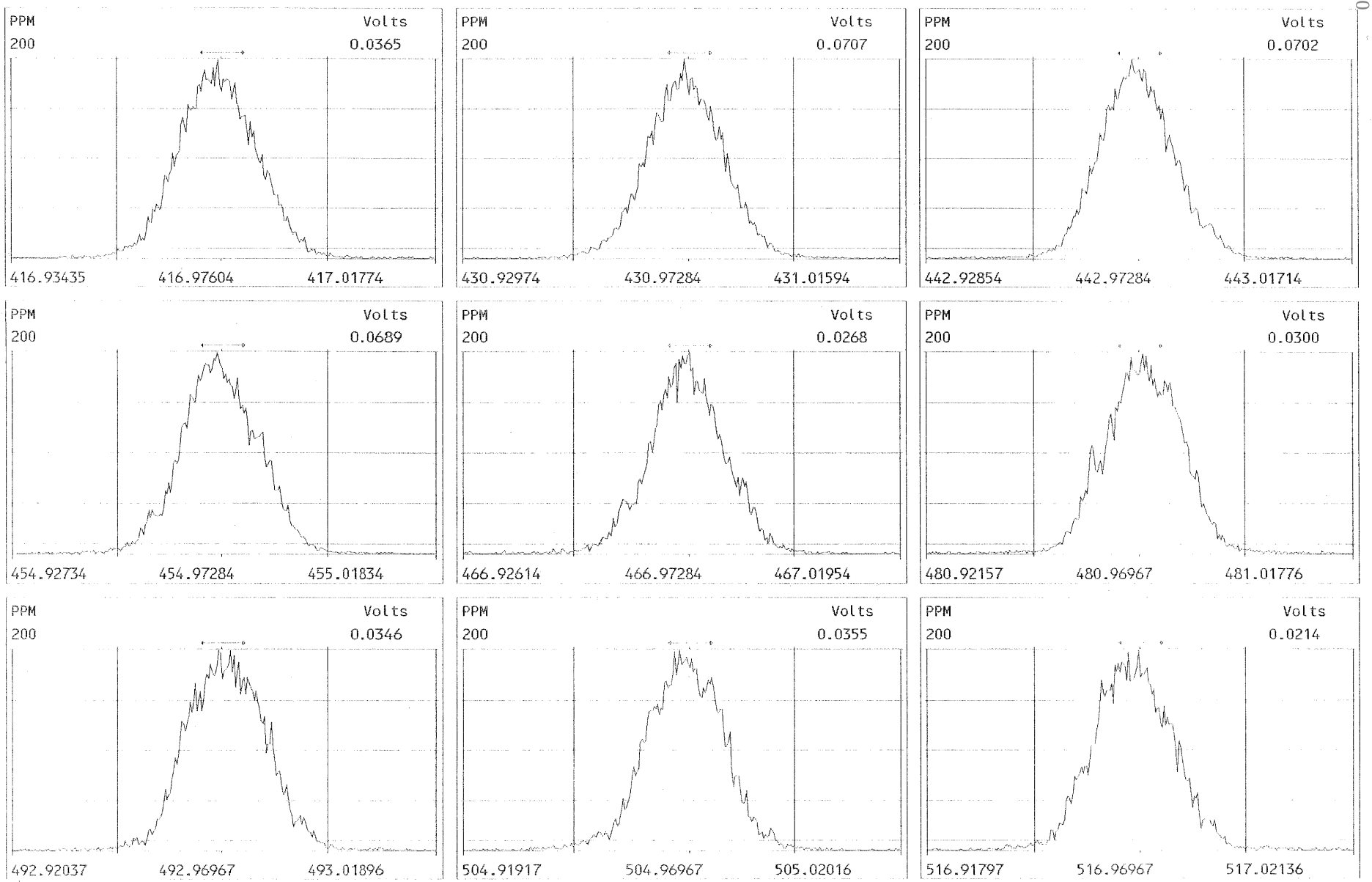










Peak Locate Examination:27-OCT-2020:01:16 File:26OCT20Z_RES_CHECK

Experiment:1668PCB Function:6 Reference:PFK