October 30, 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 **13373**. These results correspond to your **LDW ENR/AC Pilot Study** project. Fourteen SPME fibers/Hexane samples were received on 10/01/2020 in good condition. All fourteen SPME fiber/hexane samples were processed following EPA Method 1668C. As per your e-mail instructions received on 10/8/2020, only samples 13373-001-SA, 13373-002-SA, 13373-004-SA, 13373-005-SA, 13373-006-SA, 13373-007-SA, 13373-008-SA, 13373-009-SA, 13373-012-SA, 13373-013-SA and 13373-014-SA (Floyd Snider Sample IDs: LDW-Y3-SU-ENR+AC-CC-S010-BIO, LDW-Y3-SU-ENR+AC-CD-S010, LDW-Y3-SU-ENR-CA-S010, LDW-Y3-SU-ENR-CA-S010-BIO, LDW-Y3-SU-ENR-CB-S010, LDW-Y3-SU-ENR-CB-S010-BIO, LDW-Y3-SU-ENR-CC-S010, LDW-Y3-SU-ENR-CC-S010-BIO, LDW-Y3-SU-S010-LCB, LDW-Y3-SU-S010-TB, and LDW-Y3-LBS-WAT-S010-SPME respectively) were analyzed for all 209 polychlorinated biphenyls (PCBs). The remaining three 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 **13373**.

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 **13373**, 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: **13373**

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
13373-001-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR+AC-CC-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	01:38 pm	09/28/2021
13373-002-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR+AC-CD-S010	EPA 1668 PCB	Solvent	09/28/2020	10:33 am	09/28/2021
13373-003-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR+AC-CE-S010	EPA 1668 PCB	Solvent	09/28/2020	NP	09/28/2021
13373-004-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CA-S010	EPA 1668 PCB	Solvent	09/28/2020	10:50 am	09/28/2021
13373-005-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CA-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	01:55 pm	09/28/2021
13373-006-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CB-S010	EPA 1668 PCB	Solvent	09/28/2020	10:57 am	09/28/2021
13373-007-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CB-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	02:02 pm	09/28/2021
13373-008-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CC-S010	EPA 1668 PCB	Solvent	09/28/2020	11:03 am	09/28/2021
13373-009-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CC-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	02:11 pm	09/28/2021
13373-010-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CD-S010	EPA 1668 PCB	Solvent	09/28/2020	11:28 am	09/28/2021
13373-011-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-ENR-CE-S010	EPA 1668 PCB	Solvent	09/28/2020	11:38 am	09/28/2021
13373-012-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-S010-LCB	EPA 1668 PCB	Solvent	09/28/2020	11:47 am	09/28/2021
13373-013-SA	0	LDW ENR/AC pilot Study	LDW-Y3-SU-S010-TB	EPA 1668 PCB	Solvent	09/28/2020	03:06 pm	09/28/2021
13373-014-SA	0	LDW ENR/AC pilot Study	LDW-Y3-LBS-WAT-S010-SPME	EPA 1668 PCB	Solvent	09/28/2020	01:47 pm	09/28/2021

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EPA Method 1668
PCBs

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.58			PCB-51	ND	8.96		
PCB-2	ND	4.87			PCB-52	ND	8.41	C	69
PCB-3	ND	5.69			PCB-53	ND	9.08		
PCB-4	ND	10.8			PCB-54	ND	6.84		
PCB-5	ND	8.45			PCB-55	ND	7.04		
PCB-6	ND	8.44			PCB-56	ND	9.22	C	60
PCB-7	ND	8.07			PCB-57	ND	6.99		
PCB-8	ND	8.33			PCB-58	ND	7.34		
PCB-9	ND	8.07			PCB-59	-	-	C042	42
PCB-10	ND	7.47			PCB-60	-	-	C056	56
PCB-11	ND	8.99			PCB-61	ND	7.93	C	70
PCB-12	ND	9.01			PCB-62	ND	7.84		
PCB-13	ND	9.41			PCB-63	ND	6.87		
PCB-14	ND	8.16			PCB-64	-	-	C041	41/71/72
PCB-15	ND	9.65			PCB-65	ND	6.91		
PCB-16	ND	6.16			PCB-66	ND	6.69	C	76
PCB-17	ND	6.90			PCB-67	ND	7.37		
PCB-18	ND	7.95			PCB-68	ND	7.06		
PCB-19	ND	7.71			PCB-69	-	-	C052	52
PCB-20	ND	6.50	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	6.22			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.29			PCB-73	ND	7.14		
PCB-24	ND	5.35			PCB-74	ND	7.53		
PCB-25	ND	6.50			PCB-75	-	-	C048	48
PCB-26	ND	6.14			PCB-76	-	-	C066	66
PCB-27	ND	5.52			PCB-77	ND	9.65		
PCB-28	ND	5.76			PCB-78	ND	8.10		
PCB-29	ND	6.08			PCB-79	ND	8.09		
PCB-30	ND	4.90			PCB-80	ND	5.94		
PCB-31	ND	5.84			PCB-81	ND	7.82		
PCB-32	ND	6.14			PCB-82	ND	10.9		
PCB-33	-	-	C020	20/21	PCB-83	ND	8.52	C	112
PCB-34	ND	6.99			PCB-84	ND	9.55	C	92
PCB-35	ND	6.51			PCB-85	ND	7.71	C	116
PCB-36	ND	6.04			PCB-86	ND	10.5		
PCB-37	ND	6.81			PCB-87	ND	7.67	C	117/125
PCB-38	ND	6.10			PCB-88	ND	14.7	C	91
PCB-39	ND	6.85			PCB-89	ND	9.23		
PCB-40	ND	11.4			PCB-90	ND	8.84	C	101
PCB-41	ND	7.60	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	8.33	C	59	PCB-92	-	-	C084	84
PCB-43	ND	9.32	C	49	PCB-93	ND	8.26		
PCB-44	ND	11.0			PCB-94	ND	9.86		
PCB-45	ND	9.49			PCB-95	ND	7.93		
PCB-46	ND	10.2			PCB-96	ND	6.35		
PCB-47	ND	9.35			PCB-97	ND	10.4		
PCB-48	ND	7.36	C	75	PCB-98	ND	9.87	C	102
PCB-49	-	-	C043	43	PCB-99	ND	7.68		
PCB-50	ND	8.03			PCB-100	ND	8.17		

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EPA Method 1668
PCBs

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	8.23		
PCB-102	-	-	C098	98	PCB-152	ND	7.93		
PCB-103	ND	7.58			PCB-153	ND	6.70		
PCB-104	ND	6.21			PCB-154	ND	9.78		
PCB-105	ND	8.25			PCB-155	ND	7.99		
PCB-106	ND	7.66	C	118	PCB-156	ND	7.04		
PCB-107	ND	8.40	C	108	PCB-157	ND	7.53		
PCB-108	-	-	C107	107	PCB-158	ND	6.61	C	160
PCB-109	ND	7.31			PCB-159	ND	6.15		
PCB-110	ND	7.11			PCB-160	-	-	C158	158
PCB-111	ND	7.14	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.97			PCB-163	-	-	C138	138/164
PCB-114	ND	9.01			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.61		
PCB-117	-	-	C087	87/125	PCB-167	ND	7.35		
PCB-118	-	-	C	106	PCB-168	ND	6.78		
PCB-119	ND	6.70			PCB-169	ND	6.92		
PCB-120	ND	6.34			PCB-170	ND	8.93		
PCB-121	ND	7.05			PCB-171	ND	8.02		
PCB-122	ND	7.94			PCB-172	ND	8.57		
PCB-123	ND	8.49			PCB-173	ND	9.15		
PCB-124	ND	8.23			PCB-174	ND	8.19		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.87		
PCB-126	ND	9.31			PCB-176	ND	5.79		
PCB-127	ND	8.10			PCB-177	ND	8.52		
PCB-128	ND	8.25	C	162	PCB-178	ND	8.15		
PCB-129	ND	9.44			PCB-179	ND	5.60		
PCB-130	ND	8.92			PCB-180	ND	8.99		
PCB-131	ND	9.41	C	133	PCB-181	ND	8.32		
PCB-132	ND	7.56	C	161	PCB-182	ND	7.37	C	187
PCB-133	-	-	C131	131	PCB-183	ND	7.18		
PCB-134	ND	9.40	C	143	PCB-184	ND	5.58		
PCB-135	ND	8.93			PCB-185	ND	8.71		
PCB-136	ND	8.65			PCB-186	ND	6.16		
PCB-137	ND	9.26			PCB-187	-	-	C182	182
PCB-138	ND	7.49	C	163/164	PCB-188	ND	6.45		
PCB-139	ND	8.25	C	149	PCB-189	ND	6.63		
PCB-140	ND	7.40			PCB-190	ND	6.58		
PCB-141	ND	8.30			PCB-191	ND	6.47		
PCB-142	ND	8.92			PCB-192	ND	7.17		
PCB-143	-	-	C134	134	PCB-193	ND	6.45		
PCB-144	ND	8.05			PCB-194	ND	9.27		
PCB-145	ND	8.57			PCB-195	ND	10.2		
PCB-146	ND	7.24	C	165	PCB-196	ND	11.2	C	203
PCB-147	ND	7.56			PCB-197	ND	8.90		
PCB-148	ND	9.93			PCB-198	ND	11.9		
PCB-149	-	-	C139	139	PCB-199	ND	12.5		
PCB-150	ND	8.58			PCB-200	ND	8.48		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	8.39		
PCB-202	ND	9.54		
PCB-203	-	-	C196	196
PCB-204	ND	8.34		
PCB-205	ND	8.12		
PCB-206	ND	5.39		
PCB-207	ND	3.59		
PCB-208	ND	3.50		
PCB-209	ND	4.83		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	80.7	5.00 - 145	
13C-PCB-3	79.9	5.00 - 145	
13C-PCB-4	89.5	5.00 - 145	
13C-PCB-15	83.0	5.00 - 145	
13C-PCB-19	79.9	5.00 - 145	
13C-PCB-37	89.8	5.00 - 145	
13C-PCB-54	90.9	5.00 - 145	
13C-PCB-77	85.3	10.0 - 145	
13C-PCB-81	87.1	10.0 - 145	
13C-PCB-104	81.2	10.0 - 145	
13C-PCB-105	88.5	10.0 - 145	
13C-PCB-114	92.4	10.0 - 145	
13C-PCB-118	93.0	10.0 - 145	
13C-PCB-123	93.5	10.0 - 145	
13C-PCB-126	92.3	10.0 - 145	
13C-PCB-155	81.8	10.0 - 145	
13C-PCB-156	92.2	10.0 - 145	
13C-PCB-157	96.1	10.0 - 145	
13C-PCB-167	93.0	10.0 - 145	
13C-PCB-169	102	10.0 - 145	
13C-PCB-188	83.7	10.0 - 145	
13C-PCB-189	96.6	10.0 - 145	
13C-PCB-202	86.1	10.0 - 145	
13C-PCB-205	89.7	10.0 - 145	
13C-PCB-206	87.5	10.0 - 145	
13C-PCB-208	90.1	10.0 - 145	
13C-PCB-209	87.2	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	95.4	5.00 - 145	
13C-PCB-111	85.6	10.0 - 145	
13C-PCB-178	86.4	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-001-OPR
Client ID: OPR
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: NA
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: ng/ml

Acquired: 10-23-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	100	60.0 - 135	
PCB-3	98.0	60.0 - 135	
PCB-4	105	60.0 - 135	
PCB-15	88.0	60.0 - 135	
PCB-19	102	60.0 - 135	
PCB-37	94.6	60.0 - 135	
PCB-54	99.4	60.0 - 135	
PCB-77	98.4	60.0 - 135	
PCB-81	86.0	60.0 - 135	
PCB-104	100	60.0 - 135	
PCB-105	84.6	60.0 - 135	
PCB-114	97.2	60.0 - 135	
PCB-118	96.6	60.0 - 135	
PCB-123	97.0	60.0 - 135	
PCB-126	96.6	60.0 - 135	
PCB-155	103	60.0 - 135	
PCB-156	85.6	60.0 - 135	
PCB-157	94.6	60.0 - 135	
PCB-167	88.0	60.0 - 135	
PCB-169	97.0	60.0 - 135	
PCB-188	100	60.0 - 135	
PCB-189	99.4	60.0 - 135	
PCB-202	108	60.0 - 135	
PCB-205	98.2	60.0 - 135	
PCB-206	102	60.0 - 135	
PCB-208	97.8	60.0 - 135	
PCB-209	100	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	80.1	15.0 - 145	
13C-PCB-3	81.5	15.0 - 145	
13C-PCB-4	86.5	15.0 - 145	
13C-PCB-15	82.2	15.0 - 145	
13C-PCB-19	81.2	15.0 - 145	
13C-PCB-37	89.4	15.0 - 145	
13C-PCB-54	90.0	15.0 - 145	
13C-PCB-77	85.3	40.0 - 145	
13C-PCB-81	85.0	40.0 - 145	
13C-PCB-104	83.0	40.0 - 145	
13C-PCB-105	84.5	40.0 - 145	
13C-PCB-114	86.3	40.0 - 145	
13C-PCB-118	83.0	40.0 - 145	
13C-PCB-123	86.4	40.0 - 145	
13C-PCB-126	86.1	40.0 - 145	
13C-PCB-155	82.6	40.0 - 145	
13C-PCB-156	90.7	40.0 - 145	
13C-PCB-157	92.5	40.0 - 145	
13C-PCB-167	89.1	40.0 - 145	
13C-PCB-169	98.1	40.0 - 145	
13C-PCB-188	81.5	40.0 - 145	
13C-PCB-189	96.7	40.0 - 145	
13C-PCB-202	84.7	40.0 - 145	
13C-PCB-205	86.1	40.0 - 145	
13C-PCB-206	84.1	40.0 - 145	
13C-PCB-208	83.5	40.0 - 145	
13C-PCB-209	84.4	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	93.2	15.0 - 145	
13C-PCB-111	85.1	40.0 - 145	
13C-PCB-178	86.1	40.0 - 145	

Analyst: _____

Date: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: NA
Amount: 1.00 pg/sample

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

Acquired: 10-26-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.21			PCB-51	ND	6.46		
PCB-2	ND	4.45			PCB-52	ND	6.06	C	69
PCB-3	ND	4.80			PCB-53	ND	6.86		
PCB-4	ND	11.5			PCB-54	ND	5.36		
PCB-5	ND	7.94			PCB-55	ND	5.25		
PCB-6	ND	8.00			PCB-56	ND	7.54	C	60
PCB-7	ND	7.68			PCB-57	ND	5.05		
PCB-8	ND	8.11			PCB-58	ND	5.08		
PCB-9	ND	8.06			PCB-59	-	-	C042	42
PCB-10	ND	7.53			PCB-60	-	-	C056	56
PCB-11	ND	8.06			PCB-61	ND	5.53	C	70
PCB-12	ND	8.31			PCB-62	ND	5.16		
PCB-13	ND	7.77			PCB-63	ND	4.93		
PCB-14	ND	7.88			PCB-64	-	-	C041	41/71/72
PCB-15	ND	8.19			PCB-65	ND	5.12		
PCB-16	ND	7.48			PCB-66	ND	4.94	C	76
PCB-17	ND	8.36			PCB-67	ND	5.01		
PCB-18	ND	9.16			PCB-68	ND	4.75		
PCB-19	ND	9.49			PCB-69	-	-	C052	52
PCB-20	ND	9.22	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	8.49			PCB-72	-	-	C041	41/64/71
PCB-23	ND	9.00			PCB-73	ND	5.46		
PCB-24	ND	6.29			PCB-74	ND	5.05		
PCB-25	ND	9.05			PCB-75	-	-	C048	48
PCB-26	ND	8.83			PCB-76	-	-	C066	66
PCB-27	ND	6.44			PCB-77	ND	7.96		
PCB-28	ND	7.68			PCB-78	ND	7.20		
PCB-29	ND	8.63			PCB-79	ND	6.94		
PCB-30	ND	6.21			PCB-80	ND	4.46		
PCB-31	ND	8.74			PCB-81	ND	6.44		
PCB-32	ND	7.54			PCB-82	ND	9.38		
PCB-33	-	-	C020	20/21	PCB-83	ND	6.79	C	112
PCB-34	ND	8.93			PCB-84	ND	8.01	C	92
PCB-35	ND	8.47			PCB-85	ND	6.31	C	116
PCB-36	ND	8.83			PCB-86	ND	9.49		
PCB-37	ND	8.57			PCB-87	ND	5.96	C	117/125
PCB-38	ND	8.05			PCB-88	ND	6.71	C	91
PCB-39	ND	8.46			PCB-89	ND	7.88		
PCB-40	ND	8.76			PCB-90	ND	7.12	C	101
PCB-41	ND	5.55	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	6.20	C	59	PCB-92	-	-	C084	84
PCB-43	ND	6.97	C	49	PCB-93	ND	6.78		
PCB-44	ND	7.74			PCB-94	ND	7.10		
PCB-45	ND	7.70			PCB-95	ND	6.57		
PCB-46	ND	7.86			PCB-96	ND	5.03		
PCB-47	ND	6.77			PCB-97	ND	8.33		
PCB-48	ND	5.21	C	75	PCB-98	ND	7.17	C	102
PCB-49	-	-	C043	43	PCB-99	ND	6.44		
PCB-50	ND	6.73			PCB-100	ND	5.97		

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EPA Method 1668
PCBs

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: NA
Amount: 1.00 pg/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	ND	7.93		
PCB-102	-	-	C098	98	PCB-152	ND	7.10		
PCB-103	ND	5.87			PCB-153	ND	6.83		
PCB-104	ND	4.84			PCB-154	ND	8.11		
PCB-105	ND	6.09			PCB-155	ND	6.74		
PCB-106	ND	6.36	C	118	PCB-156	ND	6.10		
PCB-107	ND	6.34	C	108	PCB-157	ND	6.12		
PCB-108	-	-	C107	107	PCB-158	ND	5.87	C	160
PCB-109	ND	5.73			PCB-159	ND	5.61		
PCB-110	ND	5.68			PCB-160	-	-	C158	158
PCB-111	ND	5.59	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.11			PCB-163	-	-	C138	138/164
PCB-114	ND	6.03			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.02		
PCB-117	-	-	C087	87/125	PCB-167	ND	5.99		
PCB-118	-	-	C	106	PCB-168	ND	6.17		
PCB-119	ND	5.40			PCB-169	ND	5.94		
PCB-120	ND	5.28			PCB-170	ND	8.04		
PCB-121	ND	4.96			PCB-171	ND	7.85		
PCB-122	ND	6.38			PCB-172	ND	8.20		
PCB-123	ND	6.55			PCB-173	ND	8.48		
PCB-124	ND	6.08			PCB-174	ND	7.87		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.62		
PCB-126	ND	6.98			PCB-176	ND	5.92		
PCB-127	ND	6.32			PCB-177	ND	8.33		
PCB-128	ND	7.08	C	162	PCB-178	ND	8.01		
PCB-129	ND	9.38			PCB-179	ND	5.68		
PCB-130	ND	9.69			PCB-180	ND	8.07		
PCB-131	ND	8.89	C	133	PCB-181	ND	7.63		
PCB-132	ND	7.06	C	161	PCB-182	ND	7.17	C	187
PCB-133	-	-	C131	131	PCB-183	ND	7.24		
PCB-134	ND	9.10	C	143	PCB-184	ND	5.48		
PCB-135	ND	7.75			PCB-185	ND	7.75		
PCB-136	ND	6.96			PCB-186	ND	5.77		
PCB-137	ND	7.49			PCB-187	-	-	C182	182
PCB-138	ND	6.62	C	163/164	PCB-188	ND	6.09		
PCB-139	ND	7.49	C	149	PCB-189	ND	5.64		
PCB-140	ND	7.57			PCB-190	ND	6.02		
PCB-141	ND	7.79			PCB-191	ND	6.00		
PCB-142	ND	8.87			PCB-192	ND	6.27		
PCB-143	-	-	C134	134	PCB-193	ND	5.81		
PCB-144	ND	7.93			PCB-194	ND	8.38		
PCB-145	ND	7.03			PCB-195	ND	9.48		
PCB-146	ND	6.58	C	165	PCB-196	ND	7.25	C	203
PCB-147	ND	7.62			PCB-197	ND	5.69		
PCB-148	ND	9.90			PCB-198	ND	7.98		
PCB-149	-	-	C139	139	PCB-199	ND	7.77		
PCB-150	ND	6.83			PCB-200	ND	5.77		

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EPA Method 1668
PCBs

FAL ID: 13373-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: NA
Amount: 1.00 pg/sample

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

Acquired: 10-26-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	5.91		
PCB-202	ND	6.48		
PCB-203	-	-	C196	196
PCB-204	ND	5.92		
PCB-205	ND	7.03		
PCB-206	ND	6.32		
PCB-207	ND	4.54		
PCB-208	ND	4.03		
PCB-209	ND	4.43		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	108	5.00 - 145	
13C-PCB-3	106	5.00 - 145	
13C-PCB-4	112	5.00 - 145	
13C-PCB-15	100	5.00 - 145	
13C-PCB-19	106	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	116	5.00 - 145	
13C-PCB-77	103	10.0 - 145	
13C-PCB-81	103	10.0 - 145	
13C-PCB-104	112	10.0 - 145	
13C-PCB-105	104	10.0 - 145	
13C-PCB-114	105	10.0 - 145	
13C-PCB-118	111	10.0 - 145	
13C-PCB-123	109	10.0 - 145	
13C-PCB-126	99.7	10.0 - 145	
13C-PCB-155	118	10.0 - 145	
13C-PCB-156	101	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	104	10.0 - 145	
13C-PCB-169	98.1	10.0 - 145	
13C-PCB-188	111	10.0 - 145	
13C-PCB-189	99.8	10.0 - 145	
13C-PCB-202	108	10.0 - 145	
13C-PCB-205	111	10.0 - 145	
13C-PCB-206	110	10.0 - 145	
13C-PCB-208	121	10.0 - 145	
13C-PCB-209	108	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	111	5.00 - 145	
13C-PCB-111	95.7	10.0 - 145	
13C-PCB-178	98.9	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-001-OPR
Client ID: OPR
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: NA
Amount: 1.00 pg/sample

ICal: DAILY209FAL4-10-26-20
GC Column: DB1MS
Units: ng/ml

Acquired: 10-26-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	97.4	60.0 - 135	
PCB-3	92.6	60.0 - 135	
PCB-4	112	60.0 - 135	
PCB-15	84.4	60.0 - 135	
PCB-19	91.0	60.0 - 135	
PCB-37	88.2	60.0 - 135	
PCB-54	93.0	60.0 - 135	
PCB-77	91.6	60.0 - 135	
PCB-81	84.8	60.0 - 135	
PCB-104	94.6	60.0 - 135	
PCB-105	84.2	60.0 - 135	
PCB-114	82.0	60.0 - 135	
PCB-118	93.4	60.0 - 135	
PCB-123	94.0	60.0 - 135	
PCB-126	86.6	60.0 - 135	
PCB-155	94.6	60.0 - 135	
PCB-156	88.0	60.0 - 135	
PCB-157	92.6	60.0 - 135	
PCB-167	92.0	60.0 - 135	
PCB-169	95.0	60.0 - 135	
PCB-188	94.2	60.0 - 135	
PCB-189	92.6	60.0 - 135	
PCB-202	102	60.0 - 135	
PCB-205	95.8	60.0 - 135	
PCB-206	94.2	60.0 - 135	
PCB-208	95.4	60.0 - 135	
PCB-209	93.2	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	101	15.0 - 145	
13C-PCB-3	102	15.0 - 145	
13C-PCB-4	104	15.0 - 145	
13C-PCB-15	101	15.0 - 145	
13C-PCB-19	106	15.0 - 145	
13C-PCB-37	103	15.0 - 145	
13C-PCB-54	109	15.0 - 145	
13C-PCB-77	103	40.0 - 145	
13C-PCB-81	102	40.0 - 145	
13C-PCB-104	113	40.0 - 145	
13C-PCB-105	102	40.0 - 145	
13C-PCB-114	105	40.0 - 145	
13C-PCB-118	107	40.0 - 145	
13C-PCB-123	107	40.0 - 145	
13C-PCB-126	102	40.0 - 145	
13C-PCB-155	114	40.0 - 145	
13C-PCB-156	105	40.0 - 145	
13C-PCB-157	104	40.0 - 145	
13C-PCB-167	106	40.0 - 145	
13C-PCB-169	101	40.0 - 145	
13C-PCB-188	110	40.0 - 145	
13C-PCB-189	109	40.0 - 145	
13C-PCB-202	113	40.0 - 145	
13C-PCB-205	107	40.0 - 145	
13C-PCB-206	107	40.0 - 145	
13C-PCB-208	110	40.0 - 145	
13C-PCB-209	107	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	103	15.0 - 145	
13C-PCB-111	94.5	40.0 - 145	
13C-PCB-178	97.6	40.0 - 145	

Analyst: [signature]

Date: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-001-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-S010-BIO
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020
Total Conc: 82900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	11.7	-	J		PCB-51	121	-		
PCB-2	ND	3.42			PCB-52	2190	-	C	69
PCB-3	ND	3.78			PCB-53	355	-		
PCB-4	141	-			PCB-54	11.2	-	J	
PCB-5	ND	5.59			PCB-55	79.2	-		
PCB-6	94.0	-			PCB-56	534	-	C	60
PCB-7	18.9	-	J		PCB-57	11.3	-	J	
PCB-8	251	-			PCB-58	ND	9.12		
PCB-9	12.9	-	J		PCB-59	-	-	C042	42
PCB-10	ND	4.94			PCB-60	-	-	C056	56
PCB-11	38.3	-			PCB-61	1230	-	C	70
PCB-12	ND	5.96			PCB-62	ND	9.74		
PCB-13	ND	6.22			PCB-63	51.4	-		
PCB-14	833	-			PCB-64	-	-	C041	41/71/72
PCB-15	55.8	-			PCB-65	ND	8.59		
PCB-16	412	-			PCB-66	896	-	C	76
PCB-17	629	-			PCB-67	51.8	-		
PCB-18	1580	-			PCB-68	29.6	-		
PCB-19	162	-			PCB-69	-	-	C052	52
PCB-20	585	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	322	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.92			PCB-73	34.7	-		
PCB-24	77.3	-			PCB-74	530	-		
PCB-25	148	-			PCB-75	-	-	C048	48
PCB-26	273	-			PCB-76	-	-	C066	66
PCB-27	56.2	-			PCB-77	56.1	-		
PCB-28	998	-			PCB-78	3680	-		
PCB-29	10.5	-	J		PCB-79	18.0	-	J	
PCB-30	ND	8.23			PCB-80	21.1	-		
PCB-31	915	-			PCB-81	33.0	-		
PCB-32	408	-			PCB-82	153	-		
PCB-33	-	-	C020	20/21	PCB-83	78.1	-	C	112
PCB-34	15.0	-	J		PCB-84	831	-	C	92
PCB-35	ND	6.13			PCB-85	195	-	C	116
PCB-36	1130	-			PCB-86	ND	11.6		
PCB-37	144	-			PCB-87	477	-	C	117/125
PCB-38	ND	5.75			PCB-88	ND	6.77	C	91
PCB-39	ND	6.45			PCB-89	30.0	-		
PCB-40	250	-			PCB-90	1650	-	C	101
PCB-41	1230	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	531	-	C	59	PCB-92	-	-	C084	84
PCB-43	1550	-	C	49	PCB-93	ND	3.82		
PCB-44	1500	-			PCB-94	ND	4.55		
PCB-45	297	-			PCB-95	1750	-		
PCB-46	122	-			PCB-96	23.3	-		
PCB-47	517	-			PCB-97	479	-		
PCB-48	351	-	C	75	PCB-98	ND	4.56	C	102
PCB-49	-	-	C043	43	PCB-99	640	-		
PCB-50	17.6	-	J		PCB-100	27.2	-		

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EPA Method 1668
PCBs

FAL ID: 13373-001-SA | Date Extracted: 10-16-2020 | ICal: DAILY209FAL4-10-23-20 | Acquired: 10-23-2020
Client ID: LDW-Y3-SU-ENR+AC-CC-S010-BIO | Date Received: 10-01-2020 | GC Column: DB1MS
Matrix: Solvent | Amount: 1.00 sample | Units: pg/sample
Batch No: X5488

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	307	-		
PCB-102	-	-	C098	98	PCB-152	ND	5.91		
PCB-103	41.4	-			PCB-153	854	-		
PCB-104	3660	-			PCB-154	37.8	-		
PCB-105	257	-			PCB-155	5940	-		
PCB-106	798	-	C	118	PCB-156	56.3	-		
PCB-107	70.8	-	C	108	PCB-157	15.2	-	J	
PCB-108	-	-	C107	107	PCB-158	91.3	-	C	160
PCB-109	ND	8.09			PCB-159	15.1	-	J	
PCB-110	1360	-			PCB-160	-	-	C158	158
PCB-111	21.0	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.82			PCB-163	-	-	C138	138/164
PCB-114	25.2	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.27		
PCB-117	-	-	C087	87/125	PCB-167	29.0	-		
PCB-118	-	-	C	106	PCB-168	ND	6.43		
PCB-119	47.4	-			PCB-169	ND	7.02		
PCB-120	ND	7.01			PCB-170	119	-		
PCB-121	5850	-			PCB-171	48.6	-		
PCB-122	11.8	-	J		PCB-172	153	-		
PCB-123	15.4	-	J		PCB-173	ND	7.55		
PCB-124	44.6	-			PCB-174	196	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.49		
PCB-126	ND	6.10			PCB-176	35.7	-		
PCB-127	ND	5.12			PCB-177	114	-		
PCB-128	128	-	C	162	PCB-178	50.2	-		
PCB-129	38.4	-			PCB-179	113	-		
PCB-130	60.3	-			PCB-180	361	-		
PCB-131	44.3	-	C	133	PCB-181	ND	6.87		
PCB-132	343	-	C	161	PCB-182	265	-	C	187
PCB-133	-	-	C131	131	PCB-183	106	-		
PCB-134	74.9	-	C	143	PCB-184	6270	-		
PCB-135	182	-			PCB-185	35.3	-		
PCB-136	256	-			PCB-186	ND	5.09		
PCB-137	36.9	-			PCB-187	-	-	C182	182
PCB-138	877	-	C	163/164	PCB-188	12.4	-	J	
PCB-139	1040	-	C	149	PCB-189	ND	4.89		
PCB-140	13.6	-	J		PCB-190	23.7	-		
PCB-141	151	-			PCB-191	ND	5.34		
PCB-142	886	-			PCB-192	5640	-		
PCB-143	-	-	C134	134	PCB-193	17.3	-	J	
PCB-144	74.9	-			PCB-194	43.7	-		
PCB-145	ND	6.39			PCB-195	21.0	-		
PCB-146	173	-	C	165	PCB-196	66.6	-	C	203
PCB-147	19.9	-	J		PCB-197	67.8	-		
PCB-148	ND	7.40			PCB-198	ND	8.09		
PCB-149	-	-	C139	139	PCB-199	68.3	-		
PCB-150	ND	6.40			PCB-200	ND	5.78		

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EPA Method 1668
PCBs

FAL ID: 13373-001-SA | Date Extracted: 10-16-2020 | ICal: DAILY209FAL4-10-23-20 | Acquired: 10-23-2020
Client ID: LDW-Y3-SU-ENR+AC-CC-S010-BIO | Date Received: 10-01-2020 | GC Column: DB1MS
Matrix: Solvent | Amount: 1.00 sample | Units: pg/sample
Batch No: X5488

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	5.72		
PCB-202	ND	6.51		
PCB-203	-	-	C196	196
PCB-204	13000	-		
PCB-205	ND	5.62		
PCB-206	14.8	-	J	
PCB-207	49.6	-		
PCB-208	8.58	-	J	
PCB-209	69.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	74.7	5.00 - 145	
13C-PCB-3	79.4	5.00 - 145	
13C-PCB-4	89.5	5.00 - 145	
13C-PCB-15	91.0	5.00 - 145	
13C-PCB-19	74.6	5.00 - 145	
13C-PCB-37	99.4	5.00 - 145	
13C-PCB-54	86.6	5.00 - 145	
13C-PCB-77	98.9	10.0 - 145	
13C-PCB-81	97.7	10.0 - 145	
13C-PCB-104	80.8	10.0 - 145	
13C-PCB-105	93.0	10.0 - 145	
13C-PCB-114	96.8	10.0 - 145	
13C-PCB-118	96.7	10.0 - 145	
13C-PCB-123	99.1	10.0 - 145	
13C-PCB-126	100	10.0 - 145	
13C-PCB-155	74.4	10.0 - 145	
13C-PCB-156	90.4	10.0 - 145	
13C-PCB-157	92.6	10.0 - 145	
13C-PCB-167	92.2	10.0 - 145	
13C-PCB-169	98.5	10.0 - 145	
13C-PCB-188	74.7	10.0 - 145	
13C-PCB-189	85.8	10.0 - 145	
13C-PCB-202	74.6	10.0 - 145	
13C-PCB-205	90.0	10.0 - 145	
13C-PCB-206	83.8	10.0 - 145	
13C-PCB-208	84.1	10.0 - 145	
13C-PCB-209	78.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	88.3	5.00 - 145	
13C-PCB-111	84.5	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: 10/30/2020

Reviewed By: DPV
Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-002-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-S010
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020
Total Conc: 85400

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	20.3	-			PCB-51	164	-		
PCB-2	ND	4.37			PCB-52	3200	-	C	69
PCB-3	ND	5.21			PCB-53	528	-		
PCB-4	268	-			PCB-54	14.3	-	J	
PCB-5	ND	8.01			PCB-55	63.5	-		
PCB-6	164	-			PCB-56	807	-	C	60
PCB-7	25.3	-			PCB-57	15.5	-	J	
PCB-8	451	-			PCB-58	ND	6.86		
PCB-9	30.6	-			PCB-59	-	-	C042	42
PCB-10	17.5	-	J		PCB-60	-	-	C056	56
PCB-11	43.0	-			PCB-61	1830	-	C	70
PCB-12	12.1	-	J		PCB-62	ND	7.33		
PCB-13	12.1	-	J		PCB-63	72.9	-		
PCB-14	514	-			PCB-64	-	-	C041	41/71/72
PCB-15	97.3	-			PCB-65	ND	6.46		
PCB-16	485	-			PCB-66	1320	-	C	76
PCB-17	989	-			PCB-67	69.2	-		
PCB-18	2400	-			PCB-68	33.4	-		
PCB-19	251	-			PCB-69	-	-	C052	52
PCB-20	938	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	502	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.73			PCB-73	33.3	-		
PCB-24	120	-			PCB-74	801	-		
PCB-25	222	-			PCB-75	-	-	C048	48
PCB-26	393	-			PCB-76	-	-	C066	66
PCB-27	90.9	-			PCB-77	85.2	-		
PCB-28	1570	-			PCB-78	2170	-		
PCB-29	16.2	-	J		PCB-79	21.9	-		
PCB-30	ND	8.04			PCB-80	37.2	-		
PCB-31	1390	-			PCB-81	46.4	-		
PCB-32	760	-			PCB-82	208	-		
PCB-33	-	-	C020	20/21	PCB-83	103	-	C	112
PCB-34	22.0	-			PCB-84	1100	-	C	92
PCB-35	16.1	-	J		PCB-85	248	-	C	116
PCB-36	683	-			PCB-86	ND	12.4		
PCB-37	244	-			PCB-87	671	-	C	117/125
PCB-38	19.4	-	J		PCB-88	ND	8.76	C	91
PCB-39	ND	7.34			PCB-89	37.3	-		
PCB-40	352	-			PCB-90	2300	-	C	101
PCB-41	1830	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	785	-	C	59	PCB-92	-	-	C084	84
PCB-43	2240	-	C	49	PCB-93	ND	4.94		
PCB-44	2300	-			PCB-94	22.9	-		
PCB-45	430	-			PCB-95	2530	-		
PCB-46	176	-			PCB-96	32.9	-		
PCB-47	782	-			PCB-97	674	-		
PCB-48	471	-	C	75	PCB-98	ND	5.90	C	102
PCB-49	-	-	C043	43	PCB-99	887	-		
PCB-50	16.2	-	J		PCB-100	30.8	-		

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EPA Method 1668
PCBs

FAL ID: 13373-002-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-S010
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	421	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.60		
PCB-103	56.9	-			PCB-153	1130	-		
PCB-104	1970	-			PCB-154	50.5	-		
PCB-105	363	-			PCB-155	3840	-		
PCB-106	1120	-	C	118	PCB-156	82.8	-		
PCB-107	102	-	C	108	PCB-157	23.1	-		
PCB-108	-	-	C107	107	PCB-158	125	-	C	160
PCB-109	ND	8.70			PCB-159	18.2	-	J	
PCB-110	1960	-			PCB-160	-	-	C158	158
PCB-111	33.4	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.49			PCB-163	-	-	C138	138/164
PCB-114	33.8	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.67		
PCB-117	-	-	C087	87/125	PCB-167	36.3	-		
PCB-118	-	-	C	106	PCB-168	ND	7.87		
PCB-119	61.8	-			PCB-169	ND	8.74		
PCB-120	ND	7.54			PCB-170	182	-		
PCB-121	3970	-			PCB-171	55.3	-		
PCB-122	17.8	-	J		PCB-172	147	-		
PCB-123	26.5	-			PCB-173	ND	7.16		
PCB-124	61.6	-			PCB-174	253	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.16		
PCB-126	ND	8.49			PCB-176	48.1	-		
PCB-127	ND	7.04			PCB-177	151	-		
PCB-128	171	-	C	162	PCB-178	69.0	-		
PCB-129	53.4	-			PCB-179	142	-		
PCB-130	80.7	-			PCB-180	491	-		
PCB-131	55.0	-	C	133	PCB-181	ND	6.51		
PCB-132	449	-	C	161	PCB-182	331	-	C	187
PCB-133	-	-	C131	131	PCB-183	154	-		
PCB-134	102	-	C	143	PCB-184	4570	-		
PCB-135	251	-			PCB-185	38.8	-		
PCB-136	365	-			PCB-186	ND	4.82		
PCB-137	58.4	-			PCB-187	-	-	C182	182
PCB-138	1220	-	C	163/164	PCB-188	19.9	-	J	
PCB-139	1370	-	C	149	PCB-189	ND	4.71		
PCB-140	21.2	-			PCB-190	38.1	-		
PCB-141	217	-			PCB-191	ND	5.06		
PCB-142	562	-			PCB-192	4380	-		
PCB-143	-	-	C134	134	PCB-193	39.6	-		
PCB-144	85.9	-			PCB-194	60.8	-		
PCB-145	ND	7.14			PCB-195	26.7	-		
PCB-146	220	-	C	165	PCB-196	90.1	-	C	203
PCB-147	31.2	-			PCB-197	62.8	-		
PCB-148	ND	8.27			PCB-198	ND	8.94		
PCB-149	-	-	C139	139	PCB-199	78.6	-		
PCB-150	ND	7.14			PCB-200	ND	6.39		

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EPA Method 1668
PCBs

FAL ID: 13373-002-SA
Client ID: LDW-Y3-SU-ENR+AC-CD-S010
Matrix: Solvent
Batch No: X5488

Date Extracted: 10-16-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-23-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-23-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	6.32		
PCB-202	26.5	-		
PCB-203	-	-	C196	196
PCB-204	10700	-		
PCB-205	ND	7.16		
PCB-206	18.7	-	J	
PCB-207	41.0	-		
PCB-208	8.09	-	J	
PCB-209	67.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	70.9	5.00 - 145	
13C-PCB-3	69.2	5.00 - 145	
13C-PCB-4	82.5	5.00 - 145	
13C-PCB-15	81.7	5.00 - 145	
13C-PCB-19	69.6	5.00 - 145	
13C-PCB-37	87.0	5.00 - 145	
13C-PCB-54	77.1	5.00 - 145	
13C-PCB-77	92.9	10.0 - 145	
13C-PCB-81	91.1	10.0 - 145	
13C-PCB-104	72.4	10.0 - 145	
13C-PCB-105	82.8	10.0 - 145	
13C-PCB-114	87.6	10.0 - 145	
13C-PCB-118	83.2	10.0 - 145	
13C-PCB-123	85.1	10.0 - 145	
13C-PCB-126	89.0	10.0 - 145	
13C-PCB-155	68.9	10.0 - 145	
13C-PCB-156	81.2	10.0 - 145	
13C-PCB-157	83.7	10.0 - 145	
13C-PCB-167	83.6	10.0 - 145	
13C-PCB-169	89.8	10.0 - 145	
13C-PCB-188	71.6	10.0 - 145	
13C-PCB-189	78.9	10.0 - 145	
13C-PCB-202	71.0	10.0 - 145	
13C-PCB-205	80.8	10.0 - 145	
13C-PCB-206	75.3	10.0 - 145	
13C-PCB-208	75.3	10.0 - 145	
13C-PCB-209	70.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	80.1	5.00 - 145	
13C-PCB-111	79.7	10.0 - 145	
13C-PCB-178	72.9	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-004-SA
Client ID: LDW-Y3-SU-ENR-CA-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 84500

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	11.0	-	J		PCB-51	134	-		
PCB-2	ND	3.82			PCB-52	2800	-	C	69
PCB-3	ND	4.07			PCB-53	401	-		
PCB-4	243	-			PCB-54	11.1	-	J	
PCB-5	ND	9.08			PCB-55	66.2	-		
PCB-6	157	-			PCB-56	730	-	C	60
PCB-7	16.9	-	J		PCB-57	15.5	-	J	
PCB-8	418	-			PCB-58	9.24	-	J	
PCB-9	30.5	-			PCB-59	-	-	C042	42
PCB-10	16.0	-	J		PCB-60	-	-	C056	56
PCB-11	43.7	-			PCB-61	1600	-	C	70
PCB-12	14.5	-	J		PCB-62	ND	5.78		
PCB-13	12.6	-	J		PCB-63	58.7	-		
PCB-14	591	-			PCB-64	-	-	C041	41/71/72
PCB-15	75.6	-			PCB-65	ND	5.72		
PCB-16	455	-			PCB-66	1220	-	C	76
PCB-17	766	-			PCB-67	50.5	-		
PCB-18	1700	-			PCB-68	28.5	-		
PCB-19	190	-			PCB-69	-	-	C052	52
PCB-20	776	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	417	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.28			PCB-73	44.0	-		
PCB-24	87.1	-			PCB-74	634	-		
PCB-25	224	-			PCB-75	-	-	C048	48
PCB-26	434	-			PCB-76	-	-	C066	66
PCB-27	64.6	-			PCB-77	74.7	-		
PCB-28	1160	-			PCB-78	1810	-		
PCB-29	13.2	-	J		PCB-79	36.7	-		
PCB-30	ND	7.90			PCB-80	21.7	-		
PCB-31	1360	-			PCB-81	51.3	-		
PCB-32	498	-			PCB-82	247	-		
PCB-33	-	-	C020	20/21	PCB-83	134	-	C	112
PCB-34	18.7	-	J		PCB-84	1350	-	C	92
PCB-35	13.9	-	J		PCB-85	295	-	C	116
PCB-36	681	-			PCB-86	ND	10.8		
PCB-37	192	-			PCB-87	711	-	C	117/125
PCB-38	19.1	-	J		PCB-88	ND	6.08	C	91
PCB-39	ND	7.78			PCB-89	29.5	-		
PCB-40	296	-			PCB-90	2680	-	C	101
PCB-41	1460	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	640	-	C	59	PCB-92	-	-	C084	84
PCB-43	2140	-	C	49	PCB-93	ND	6.14		
PCB-44	1770	-			PCB-94	19.3	-	J	
PCB-45	355	-			PCB-95	2830	-		
PCB-46	146	-			PCB-96	32.3	-		
PCB-47	676	-			PCB-97	794	-		
PCB-48	402	-	C	75	PCB-98	ND	6.49	C	102
PCB-49	-	-	C043	43	PCB-99	1160	-		
PCB-50	17.4	-	J		PCB-100	30.1	-		

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EPA Method 1668
PCBs

FAL ID: 13373-004-SA
Client ID: LDW-Y3-SU-ENR-CA-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	583	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.12		
PCB-103	68.3	-			PCB-153	1850	-		
PCB-104	1950	-			PCB-154	70.1	-		
PCB-105	455	-			PCB-155	3590	-		
PCB-106	1360	-	C	118	PCB-156	133	-		
PCB-107	134	-	C	108	PCB-157	30.0	-		
PCB-108	-	-	C107	107	PCB-158	186	-	C	160
PCB-109	ND	6.55			PCB-159	29.7	-		
PCB-110	2270	-			PCB-160	-	-	C158	158
PCB-111	34.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.98			PCB-163	-	-	C138	138/164
PCB-114	34.9	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.81		
PCB-117	-	-	C087	87/125	PCB-167	60.5	-		
PCB-118	-	-	C	106	PCB-168	ND	6.98		
PCB-119	96.7	-			PCB-169	ND	6.80		
PCB-120	ND	6.04			PCB-170	340	-		
PCB-121	3290	-			PCB-171	125	-		
PCB-122	20.0	-			PCB-172	187	-		
PCB-123	28.5	-			PCB-173	ND	9.30		
PCB-124	70.9	-			PCB-174	468	-		
PCB-125	-	-	C087	87/117	PCB-175	25.8	-		
PCB-126	ND	7.23			PCB-176	85.2	-		
PCB-127	ND	7.21			PCB-177	304	-		
PCB-128	253	-	C	162	PCB-178	113	-		
PCB-129	85.2	-			PCB-179	254	-		
PCB-130	142	-			PCB-180	940	-		
PCB-131	77.3	-	C	133	PCB-181	ND	8.37		
PCB-132	680	-	C	161	PCB-182	646	-	C	187
PCB-133	-	-	C131	131	PCB-183	296	-		
PCB-134	141	-	C	143	PCB-184	4230	-		
PCB-135	321	-			PCB-185	64.3	-		
PCB-136	428	-			PCB-186	ND	6.32		
PCB-137	87.1	-			PCB-187	-	-	C182	182
PCB-138	1780	-	C	163/164	PCB-188	24.3	-		
PCB-139	1930	-	C	149	PCB-189	ND	5.60		
PCB-140	33.4	-			PCB-190	67.0	-		
PCB-141	342	-			PCB-191	20.4	-		
PCB-142	584	-			PCB-192	3540	-		
PCB-143	-	-	C134	134	PCB-193	57.0	-		
PCB-144	129	-			PCB-194	143	-		
PCB-145	ND	8.04			PCB-195	72.3	-		
PCB-146	326	-	C	165	PCB-196	194	-	C	203
PCB-147	52.8	-			PCB-197	49.8	-		
PCB-148	ND	11.3			PCB-198	ND	9.05		
PCB-149	-	-	C139	139	PCB-199	177	-		
PCB-150	ND	7.81			PCB-200	ND	6.55		

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EPA Method 1668
PCBs

FAL ID: 13373-004-SA
Client ID: LDW-Y3-SU-ENR-CA-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	25.8	-		
PCB-202	48.8	-		
PCB-203	-	-	C196	196
PCB-204	9340	-		
PCB-205	ND	7.94		
PCB-206	57.7	-		
PCB-207	48.2	-		
PCB-208	16.0	-	J	
PCB-209	63.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	98.9	5.00 - 145	
13C-PCB-3	101	5.00 - 145	
13C-PCB-4	106	5.00 - 145	
13C-PCB-15	108	5.00 - 145	
13C-PCB-19	96.0	5.00 - 145	
13C-PCB-37	99.5	5.00 - 145	
13C-PCB-54	112	5.00 - 145	
13C-PCB-77	115	10.0 - 145	
13C-PCB-81	115	10.0 - 145	
13C-PCB-104	94.6	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	113	10.0 - 145	
13C-PCB-118	115	10.0 - 145	
13C-PCB-123	107	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	87.4	10.0 - 145	
13C-PCB-156	104	10.0 - 145	
13C-PCB-157	106	10.0 - 145	
13C-PCB-167	106	10.0 - 145	
13C-PCB-169	97.8	10.0 - 145	
13C-PCB-188	98.2	10.0 - 145	
13C-PCB-189	88.9	10.0 - 145	
13C-PCB-202	83.7	10.0 - 145	
13C-PCB-205	121	10.0 - 145	
13C-PCB-206	120	10.0 - 145	
13C-PCB-208	125	10.0 - 145	
13C-PCB-209	113	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	96.6	5.00 - 145	
13C-PCB-111	100	10.0 - 145	
13C-PCB-178	90.1	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-005-SA
Client ID: LDW-Y3-SU-ENR-CA-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 73200

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	13.4	-	J		PCB-51	94.9	-		
PCB-2	ND	4.27			PCB-52	1730	-	C	69
PCB-3	ND	4.65			PCB-53	283	-		
PCB-4	164	-			PCB-54	ND	7.86		
PCB-5	ND	10.9			PCB-55	61.7	-		
PCB-6	94.6	-			PCB-56	491	-	C	60
PCB-7	13.1	-	J		PCB-57	12.0	-	J	
PCB-8	285	-			PCB-58	ND	7.46		
PCB-9	19.5	-	J		PCB-59	-	-	C042	42
PCB-10	10.6	-	J		PCB-60	-	-	C056	56
PCB-11	45.3	-			PCB-61	926	-	C	70
PCB-12	ND	11.5			PCB-62	ND	7.57		
PCB-13	ND	10.7			PCB-63	39.1	-		
PCB-14	1030	-			PCB-64	-	-	C041	41/71/72
PCB-15	74.7	-			PCB-65	ND	7.50		
PCB-16	335	-			PCB-66	706	-	C	76
PCB-17	557	-			PCB-67	35.2	-		
PCB-18	1260	-			PCB-68	24.5	-		
PCB-19	425	-			PCB-69	-	-	C052	52
PCB-20	599	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	296	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.34			PCB-73	37.5	-		
PCB-24	58.8	-			PCB-74	404	-		
PCB-25	157	-			PCB-75	-	-	C048	48
PCB-26	273	-			PCB-76	-	-	C066	66
PCB-27	47.7	-			PCB-77	37.8	-		
PCB-28	1030	-			PCB-78	3530	-		
PCB-29	ND	8.00			PCB-79	20.5	-		
PCB-30	ND	8.43			PCB-80	19.9	-	J	
PCB-31	1000	-			PCB-81	31.8	-		
PCB-32	402	-			PCB-82	147	-		
PCB-33	-	-	C020	20/21	PCB-83	67.2	-	C	112
PCB-34	ND	8.27			PCB-84	776	-	C	92
PCB-35	ND	7.85			PCB-85	168	-	C	116
PCB-36	1110	-			PCB-86	ND	14.2		
PCB-37	135	-			PCB-87	409	-	C	117/125
PCB-38	ND	7.46			PCB-88	ND	6.64	C	91
PCB-39	ND	7.84			PCB-89	23.9	-		
PCB-40	213	-			PCB-90	1500	-	C	101
PCB-41	948	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	423	-	C	59	PCB-92	-	-	C084	84
PCB-43	1300	-	C	49	PCB-93	ND	6.71		
PCB-44	1130	-			PCB-94	ND	7.02		
PCB-45	267	-			PCB-95	1590	-		
PCB-46	111	-			PCB-96	17.3	-	J	
PCB-47	395	-			PCB-97	430	-		
PCB-48	280	-	C	75	PCB-98	ND	7.09	C	102
PCB-49	-	-	C043	43	PCB-99	611	-		
PCB-50	16.5	-	J		PCB-100	24.3	-		

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EPA Method 1668
PCBs

FAL ID: 13373-005-SA
Client ID: LDW-Y3-SU-ENR-CA-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	347	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.32		
PCB-103	37.5	-			PCB-153	1030	-		
PCB-104	3040	-			PCB-154	62.9	-		
PCB-105	221	-			PCB-155	5130	-		
PCB-106	729	-	C	118	PCB-156	57.8	-		
PCB-107	16.2	-	C,J	108	PCB-157	19.0	-	J	
PCB-108	-	-	C107,J	107	PCB-158	81.9	-	C	160
PCB-109	ND	8.58			PCB-159	19.4	-	J	
PCB-110	1220	-			PCB-160	-	-	C158	158
PCB-111	26.8	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.15			PCB-163	-	-	C138	138/164
PCB-114	17.8	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.80		
PCB-117	-	-	C087	87/125	PCB-167	28.9	-		
PCB-118	-	-	C	106	PCB-168	ND	9.02		
PCB-119	46.7	-			PCB-169	ND	9.05		
PCB-120	ND	7.91			PCB-170	128	-		
PCB-121	4360	-			PCB-171	57.1	-		
PCB-122	14.9	-	J		PCB-172	158	-		
PCB-123	17.3	-	J		PCB-173	ND	8.22		
PCB-124	34.3	-			PCB-174	212	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.38		
PCB-126	ND	9.23			PCB-176	39.3	-		
PCB-127	ND	7.55			PCB-177	127	-		
PCB-128	132	-	C	162	PCB-178	56.4	-		
PCB-129	37.8	-			PCB-179	119	-		
PCB-130	73.1	-			PCB-180	390	-		
PCB-131	50.1	-	C	133	PCB-181	ND	7.40		
PCB-132	327	-	C	161	PCB-182	297	-	C	187
PCB-133	-	-	C131	131	PCB-183	127	-		
PCB-134	85.4	-	C	143	PCB-184	5270	-		
PCB-135	195	-			PCB-185	29.0	-		
PCB-136	291	-			PCB-186	ND	5.59		
PCB-137	40.2	-			PCB-187	-	-	C182	182
PCB-138	869	-	C	163/164	PCB-188	ND	6.28		
PCB-139	1040	-	C	149	PCB-189	ND	5.09		
PCB-140	25.6	-			PCB-190	27.5	-		
PCB-141	160	-			PCB-191	ND	5.81		
PCB-142	876	-			PCB-192	4470	-		
PCB-143	-	-	C134	134	PCB-193	22.5	-		
PCB-144	73.3	-			PCB-194	48.1	-		
PCB-145	ND	8.24			PCB-195	23.3	-		
PCB-146	204	-	C	165	PCB-196	71.7	-	C	203
PCB-147	36.8	-			PCB-197	66.8	-		
PCB-148	ND	11.6			PCB-198	ND	7.44		
PCB-149	-	-	C139	139	PCB-199	57.9	-		
PCB-150	ND	8.00			PCB-200	ND	5.38		

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EPA Method 1668
PCBs

FAL ID: 13373-005-SA
Client ID: LDW-Y3-SU-ENR-CA-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	5.51		
PCB-202	ND	6.04		
PCB-203	-	-	C196	196
PCB-204	11400	-		
PCB-205	ND	9.52		
PCB-206	14.2	-	J	
PCB-207	44.5	-		
PCB-208	11.1	-	J	
PCB-209	61.2	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	96.2	5.00 - 145	
13C-PCB-3	95.7	5.00 - 145	
13C-PCB-4	108	5.00 - 145	
13C-PCB-15	105	5.00 - 145	
13C-PCB-19	94.0	5.00 - 145	
13C-PCB-37	95.1	5.00 - 145	
13C-PCB-54	112	5.00 - 145	
13C-PCB-77	114	10.0 - 145	
13C-PCB-81	114	10.0 - 145	
13C-PCB-104	96.0	10.0 - 145	
13C-PCB-105	105	10.0 - 145	
13C-PCB-114	108	10.0 - 145	
13C-PCB-118	112	10.0 - 145	
13C-PCB-123	112	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	83.2	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	106	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	95.1	10.0 - 145	
13C-PCB-189	93.8	10.0 - 145	
13C-PCB-202	84.9	10.0 - 145	
13C-PCB-205	111	10.0 - 145	
13C-PCB-206	107	10.0 - 145	
13C-PCB-208	107	10.0 - 145	
13C-PCB-209	103	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	103	5.00 - 145	
13C-PCB-111	99.6	10.0 - 145	
13C-PCB-178	84.9	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-006-SA
Client ID: LDW-Y3-SU-ENR-CB-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 79600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	17.2	-	J		PCB-51	113	-		
PCB-2	ND	3.24			PCB-52	2210	-	C	69
PCB-3	ND	3.49			PCB-53	361	-		
PCB-4	233	-			PCB-54	11.5	-	J	
PCB-5	391	-			PCB-55	52.9	-		
PCB-6	143	-			PCB-56	598	-	C	60
PCB-7	17.6	-	J		PCB-57	10.6	-	J	
PCB-8	400	-			PCB-58	10.6	-	J	
PCB-9	32.3	-			PCB-59	-	-	C042	42
PCB-10	15.6	-	J		PCB-60	-	-	C056	56
PCB-11	43.1	-			PCB-61	1230	-	C	70
PCB-12	ND	7.71			PCB-62	ND	7.89		
PCB-13	10.3	-	J		PCB-63	50.2	-		
PCB-14	647	-			PCB-64	-	-	C041	41/71/72
PCB-15	79.9	-			PCB-65	ND	7.81		
PCB-16	381	-			PCB-66	898	-	C	76
PCB-17	812	-			PCB-67	41.5	-		
PCB-18	1780	-			PCB-68	21.6	-		
PCB-19	180	-			PCB-69	-	-	C052	52
PCB-20	880	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	437	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.08			PCB-73	32.3	-		
PCB-24	82.1	-			PCB-74	512	-		
PCB-25	247	-			PCB-75	-	-	C048	48
PCB-26	434	-			PCB-76	-	-	C066	66
PCB-27	67.9	-			PCB-77	51.9	-		
PCB-28	1500	-			PCB-78	2110	-		
PCB-29	15.5	-	J		PCB-79	22.6	-		
PCB-30	ND	6.38			PCB-80	24.5	-		
PCB-31	1480	-			PCB-81	32.9	-		
PCB-32	594	-			PCB-82	170	-		
PCB-33	-	-	C020	20/21	PCB-83	87.0	-	C	112
PCB-34	18.1	-	J		PCB-84	891	-	C	92
PCB-35	16.1	-	J		PCB-85	198	-	C	116
PCB-36	738	-			PCB-86	ND	10.2		
PCB-37	169	-			PCB-87	512	-	C	117/125
PCB-38	20.4	-			PCB-88	ND	5.10	C	91
PCB-39	ND	7.59			PCB-89	33.5	-		
PCB-40	250	-			PCB-90	1760	-	C	101
PCB-41	1190	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	516	-	C	59	PCB-92	-	-	C084	84
PCB-43	1650	-	C	49	PCB-93	ND	5.15		
PCB-44	1500	-			PCB-94	16.1	-	J	
PCB-45	330	-			PCB-95	1930	-		
PCB-46	133	-			PCB-96	21.7	-		
PCB-47	524	-			PCB-97	531	-		
PCB-48	336	-	C	75	PCB-98	ND	5.45	C	102
PCB-49	-	-	C043	43	PCB-99	730	-		
PCB-50	18.2	-	J		PCB-100	20.8	-		

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EPA Method 1668
PCBs

FAL ID: 13373-006-SA
Client ID: LDW-Y3-SU-ENR-CB-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	359	-		
PCB-102	-	-	C098	98	PCB-152	ND	7.97		
PCB-103	39.1	-			PCB-153	1040	-		
PCB-104	1780	-			PCB-154	39.8	-		
PCB-105	290	-			PCB-155	3750	-		
PCB-106	834	-	C	118	PCB-156	62.3	-		
PCB-107	17.8	-	C	108	PCB-157	15.7	-	J	
PCB-108	-	-	C107	107	PCB-158	96.7	-	C	160
PCB-109	ND	6.15			PCB-159	18.7	-	J	
PCB-110	1500	-			PCB-160	-	-	C158	158
PCB-111	28.8	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.56			PCB-163	-	-	C138	138/164
PCB-114	22.1	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.86		
PCB-117	-	-	C087	87/125	PCB-167	30.3	-		
PCB-118	-	-	C	106	PCB-168	ND	7.03		
PCB-119	69.2	-			PCB-169	ND	7.30		
PCB-120	ND	5.67			PCB-170	128	-		
PCB-121	3140	-			PCB-171	42.3	-		
PCB-122	9.78	-	J		PCB-172	140	-		
PCB-123	19.9	-	J		PCB-173	ND	6.71		
PCB-124	43.7	-			PCB-174	197	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.03		
PCB-126	ND	4.99			PCB-176	32.5	-		
PCB-127	ND	4.93			PCB-177	125	-		
PCB-128	128	-	C	162	PCB-178	55.5	-		
PCB-129	55.0	-			PCB-179	116	-		
PCB-130	78.9	-			PCB-180	359	-		
PCB-131	44.1	-	C	133	PCB-181	ND	6.04		
PCB-132	389	-	C	161	PCB-182	284	-	C	187
PCB-133	-	-	C131	131	PCB-183	130	-		
PCB-134	90.3	-	C	143	PCB-184	4460	-		
PCB-135	192	-			PCB-185	25.7	-		
PCB-136	272	-			PCB-186	ND	4.56		
PCB-137	48.1	-			PCB-187	-	-	C182	182
PCB-138	996	-	C	163/164	PCB-188	20.1	-		
PCB-139	1170	-	C	149	PCB-189	ND	4.37		
PCB-140	16.2	-	J		PCB-190	27.1	-		
PCB-141	188	-			PCB-191	ND	4.75		
PCB-142	618	-			PCB-192	3780	-		
PCB-143	-	-	C134	134	PCB-193	20.7	-		
PCB-144	84.5	-			PCB-194	44.2	-		
PCB-145	ND	7.90			PCB-195	26.1	-		
PCB-146	186	-	C	165	PCB-196	58.1	-	C	203
PCB-147	30.6	-			PCB-197	48.5	-		
PCB-148	ND	11.1			PCB-198	ND	6.46		
PCB-149	-	-	C139	139	PCB-199	48.5	-		
PCB-150	ND	7.67			PCB-200	ND	4.67		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-006-SA
Client ID: LDW-Y3-SU-ENR-CB-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	8940	-		
PCB-202	ND	5.24		
PCB-203	-	-	C196	196
PCB-204	8950	-		
PCB-205	ND	8.34		
PCB-206	14.8	-	J	
PCB-207	36.2	-		
PCB-208	ND	3.49		
PCB-209	52.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	105	5.00 - 145	
13C-PCB-3	103	5.00 - 145	
13C-PCB-4	118	5.00 - 145	
13C-PCB-15	113	5.00 - 145	
13C-PCB-19	91.1	5.00 - 145	
13C-PCB-37	83.6	5.00 - 145	
13C-PCB-54	112	5.00 - 145	
13C-PCB-77	119	10.0 - 145	
13C-PCB-81	122	10.0 - 145	
13C-PCB-104	99.9	10.0 - 145	
13C-PCB-105	108	10.0 - 145	
13C-PCB-114	118	10.0 - 145	
13C-PCB-118	120	10.0 - 145	
13C-PCB-123	113	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	88.3	10.0 - 145	
13C-PCB-156	106	10.0 - 145	
13C-PCB-157	108	10.0 - 145	
13C-PCB-167	105	10.0 - 145	
13C-PCB-169	99.7	10.0 - 145	
13C-PCB-188	99.7	10.0 - 145	
13C-PCB-189	88.8	10.0 - 145	
13C-PCB-202	88.7	10.0 - 145	
13C-PCB-205	113	10.0 - 145	
13C-PCB-206	120	10.0 - 145	
13C-PCB-208	127	10.0 - 145	
13C-PCB-209	111	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	101	10.0 - 145	
13C-PCB-178	86.2	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-007-SA
Client ID: LDW-Y3-SU-ENR-CB-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 129000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	34.3	-			PCB-51	269	-		
PCB-2	ND	3.83			PCB-52	120	-	C	69
PCB-3	7.29	-	J		PCB-53	916	-		
PCB-4	1180	-			PCB-54	23.7	-		
PCB-5	ND	8.21			PCB-55	96.1	-		
PCB-6	713	-			PCB-56	1120	-	C	60
PCB-7	70.3	-			PCB-57	24.6	-		
PCB-8	1470	-			PCB-58	17.9	-	J	
PCB-9	130	-			PCB-59	-	-	C042	42
PCB-10	65.0	-			PCB-60	-	-	C056	56
PCB-11	85.0	-			PCB-61	2370	-	C	70
PCB-12	37.5	-			PCB-62	ND	5.43		
PCB-13	32.7	-			PCB-63	115	-		
PCB-14	1380	-			PCB-64	-	-	C041	41/71/72
PCB-15	185	-			PCB-65	ND	5.38		
PCB-16	1380	-			PCB-66	1920	-	C	76
PCB-17	2480	-			PCB-67	81.2	-		
PCB-18	6020	-			PCB-68	60.5	-		
PCB-19	728	-			PCB-69	-	-	C052	52
PCB-20	2050	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	1030	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.59			PCB-73	108	-		
PCB-24	223	-			PCB-74	1080	-		
PCB-25	591	-			PCB-75	-	-	C048	48
PCB-26	1190	-			PCB-76	-	-	C066	66
PCB-27	223	-			PCB-77	99.6	-		
PCB-28	3290	-			PCB-78	4050	-		
PCB-29	35.8	-			PCB-79	37.0	-		
PCB-30	ND	7.03			PCB-80	44.1	-		
PCB-31	3510	-			PCB-81	52.8	-		
PCB-32	1740	-			PCB-82	293	-		
PCB-33	-	-	C020	20/21	PCB-83	158	-	C	112
PCB-34	65.6	-			PCB-84	1620	-	C	92
PCB-35	24.2	-			PCB-85	341	-	C	116
PCB-36	1470	-			PCB-86	ND	13.8		
PCB-37	384	-			PCB-87	789	-	C	117/125
PCB-38	38.2	-			PCB-88	ND	6.15	C	91
PCB-39	ND	6.19			PCB-89	49.7	-		
PCB-40	624	-			PCB-90	2860	-	C	101
PCB-41	2750	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	1330	-	C	59	PCB-92	-	-	C084	84
PCB-43	3730	-	C	49	PCB-93	ND	6.21		
PCB-44	3520	-			PCB-94	32.0	-		
PCB-45	904	-			PCB-95	3210	-		
PCB-46	358	-			PCB-96	52.5	-		
PCB-47	1170	-			PCB-97	924	-		
PCB-48	778	-	C	75	PCB-98	ND	6.57	C	102
PCB-49	-	-	C043	43	PCB-99	1240	-		
PCB-50	38.7	-			PCB-100	29.6	-		

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EPA Method 1668
PCBs

FAL ID: 13373-007-SA
Client ID: LDW-Y3-SU-ENR-CB-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	518	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.80		
PCB-103	71.1	-			PCB-153	1400	-		
PCB-104	3850	-			PCB-154	63.0	-		
PCB-105	411	-			PCB-155	6260	-		
PCB-106	1380	-	C	118	PCB-156	78.1	-		
PCB-107	142	-	C	108	PCB-157	18.8	-	J	
PCB-108	-	-	C107	107	PCB-158	140	-	C	160
PCB-109	ND	8.35			PCB-159	20.3	-		
PCB-110	2540	-			PCB-160	-	-	C158	158
PCB-111	30.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.90			PCB-163	-	-	C138	138/164
PCB-114	32.1	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.64		
PCB-117	-	-	C087	87/125	PCB-167	39.5	-		
PCB-118	-	-	C	106	PCB-168	ND	8.85		
PCB-119	95.2	-			PCB-169	ND	7.52		
PCB-120	ND	7.70			PCB-170	154	-		
PCB-121	5580	-			PCB-171	65.1	-		
PCB-122	19.4	-	J		PCB-172	172	-		
PCB-123	23.8	-			PCB-173	ND	9.75		
PCB-124	55.0	-			PCB-174	244	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.76		
PCB-126	ND	7.68			PCB-176	55.6	-		
PCB-127	ND	6.94			PCB-177	144	-		
PCB-128	184	-	C	162	PCB-178	69.2	-		
PCB-129	68.3	-			PCB-179	167	-		
PCB-130	112	-			PCB-180	444	-		
PCB-131	58.7	-	C	133	PCB-181	ND	8.78		
PCB-132	470	-	C	161	PCB-182	321	-	C	187
PCB-133	-	-	C131	131	PCB-183	158	-		
PCB-134	131	-	C	143	PCB-184	6830	-		
PCB-135	276	-			PCB-185	36.0	-		
PCB-136	404	-			PCB-186	ND	6.63		
PCB-137	70.3	-			PCB-187	-	-	C182	182
PCB-138	1310	-	C	163/164	PCB-188	ND	7.78		
PCB-139	1660	-	C	149	PCB-189	ND	5.67		
PCB-140	24.3	-			PCB-190	38.8	-		
PCB-141	248	-			PCB-191	ND	6.90		
PCB-142	1090	-			PCB-192	5290	-		
PCB-143	-	-	C134	134	PCB-193	28.6	-		
PCB-144	115	-			PCB-194	55.3	-		
PCB-145	ND	6.74			PCB-195	26.5	-		
PCB-146	249	-	C	165	PCB-196	79.2	-	C	203
PCB-147	43.6	-			PCB-197	76.1	-		
PCB-148	ND	9.48			PCB-198	ND	8.96		
PCB-149	-	-	C139	139	PCB-199	70.7	-		
PCB-150	ND	6.55			PCB-200	ND	6.48		

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EPA Method 1668
PCBs

FAL ID: 13373-007-SA
Client ID: LDW-Y3-SU-ENR-CB-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	6.64		
PCB-202	22.9	-		
PCB-203	-	-	C196	196
PCB-204	13900	-		
PCB-205	ND	9.35		
PCB-206	16.9	-	J	
PCB-207	51.1	-		
PCB-208	ND	4.50		
PCB-209	65.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	91.6	5.00 - 145	
13C-PCB-3	92.3	5.00 - 145	
13C-PCB-4	107	5.00 - 145	
13C-PCB-15	104	5.00 - 145	
13C-PCB-19	93.9	5.00 - 145	
13C-PCB-37	91.7	5.00 - 145	
13C-PCB-54	111	5.00 - 145	
13C-PCB-77	118	10.0 - 145	
13C-PCB-81	121	10.0 - 145	
13C-PCB-104	101	10.0 - 145	
13C-PCB-105	107	10.0 - 145	
13C-PCB-114	111	10.0 - 145	
13C-PCB-118	118	10.0 - 145	
13C-PCB-123	115	10.0 - 145	
13C-PCB-126	105	10.0 - 145	
13C-PCB-155	92.0	10.0 - 145	
13C-PCB-156	105	10.0 - 145	
13C-PCB-157	106	10.0 - 145	
13C-PCB-167	108	10.0 - 145	
13C-PCB-169	104	10.0 - 145	
13C-PCB-188	97.8	10.0 - 145	
13C-PCB-189	95.5	10.0 - 145	
13C-PCB-202	83.2	10.0 - 145	
13C-PCB-205	104	10.0 - 145	
13C-PCB-206	110	10.0 - 145	
13C-PCB-208	117	10.0 - 145	
13C-PCB-209	102	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	88.0	5.00 - 145	
13C-PCB-111	102	10.0 - 145	
13C-PCB-178	89.0	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-008-SA
Client ID: LDW-Y3-SU-ENR-CC-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 79800

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	15.2	-	J		PCB-51	142	-		
PCB-2	ND	3.98			PCB-52	2600	-	C	69
PCB-3	ND	4.28			PCB-53	442	-		
PCB-4	414	-			PCB-54	13.4	-	J	
PCB-5	ND	8.64			PCB-55	64.5	-		
PCB-6	215	-			PCB-56	741	-	C	60
PCB-7	26.8	-			PCB-57	16.8	-	J	
PCB-8	579	-			PCB-58	10.2	-	J	
PCB-9	37.5	-			PCB-59	-	-	C042	42
PCB-10	22.9	-			PCB-60	-	-	C056	56
PCB-11	62.2	-			PCB-61	1610	-	C	70
PCB-12	11.6	-	J		PCB-62	ND	5.86		
PCB-13	20.8	-			PCB-63	64.0	-		
PCB-14	664	-			PCB-64	-	-	C041	41/71/72
PCB-15	116	-			PCB-65	ND	5.81		
PCB-16	546	-			PCB-66	1160	-	C	76
PCB-17	1040	-			PCB-67	54.6	-		
PCB-18	2420	-			PCB-68	28.6	-		
PCB-19	265	-			PCB-69	-	-	C052	52
PCB-20	958	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	539	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.87			PCB-73	57.1	-		
PCB-24	108	-			PCB-74	653	-		
PCB-25	246	-			PCB-75	-	-	C048	48
PCB-26	399	-			PCB-76	-	-	C066	66
PCB-27	88.3	-			PCB-77	57.4	-		
PCB-28	1530	-			PCB-78	2050	-		
PCB-29	17.1	-	J		PCB-79	26.4	-		
PCB-30	ND	9.63			PCB-80	12.6	-	J	
PCB-31	1670	-			PCB-81	37.5	-		
PCB-32	746	-			PCB-82	233	-		
PCB-33	-	-	C020	20/21	PCB-83	106	-	C	112
PCB-34	20.5	-			PCB-84	1110	-	C	92
PCB-35	ND	7.41			PCB-85	276	-	C	116
PCB-36	733	-			PCB-86	ND	10.3		
PCB-37	224	-			PCB-87	692	-	C	117/125
PCB-38	24.2	-			PCB-88	ND	5.06	C	91
PCB-39	ND	7.40			PCB-89	34.7	-		
PCB-40	344	-			PCB-90	2250	-	C	101
PCB-41	1480	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	673	-	C	59	PCB-92	-	-	C084	84
PCB-43	1910	-	C	49	PCB-93	ND	5.12		
PCB-44	1820	-			PCB-94	16.8	-	J	
PCB-45	427	-			PCB-95	2210	-		
PCB-46	159	-			PCB-96	28.8	-		
PCB-47	642	-			PCB-97	658	-		
PCB-48	412	-	C	75	PCB-98	ND	5.41	C	102
PCB-49	-	-	C043	43	PCB-99	857	-		
PCB-50	20.3	-			PCB-100	26.2	-		

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EPA Method 1668
PCBs

FAL ID: 13373-008-SA
Client ID: LDW-Y3-SU-ENR-CC-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	403	-		
PCB-102	-	-	C098	98	PCB-152	ND	7.92		
PCB-103	36.3	-			PCB-153	1160	-		
PCB-104	1820	-			PCB-154	40.7	-		
PCB-105	378	-			PCB-155	3650	-		
PCB-106	1080	-	C	118	PCB-156	74.2	-		
PCB-107	92.1	-	C	108	PCB-157	20.8	-		
PCB-108	-	-	C107	107	PCB-158	120	-	C	160
PCB-109	ND	6.23			PCB-159	16.0	-	J	
PCB-110	1930	-			PCB-160	-	-	C158	158
PCB-111	49.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.65			PCB-163	-	-	C138	138/164
PCB-114	29.0	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.67		
PCB-117	-	-	C087	87/125	PCB-167	36.3	-		
PCB-118	-	-	C	106	PCB-168	ND	7.86		
PCB-119	53.3	-			PCB-169	ND	7.43		
PCB-120	ND	5.75			PCB-170	132	-		
PCB-121	3270	-			PCB-171	54.7	-		
PCB-122	18.8	-	J		PCB-172	133	-		
PCB-123	22.5	-			PCB-173	ND	8.14		
PCB-124	60.4	-			PCB-174	200	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.31		
PCB-126	ND	7.88			PCB-176	40.3	-		
PCB-127	ND	7.76			PCB-177	127	-		
PCB-128	159	-	C	162	PCB-178	60.1	-		
PCB-129	59.5	-			PCB-179	122	-		
PCB-130	87.1	-			PCB-180	356	-		
PCB-131	52.3	-	C	133	PCB-181	ND	7.32		
PCB-132	391	-	C	161	PCB-182	265	-	C	187
PCB-133	-	-	C131	131	PCB-183	134	-		
PCB-134	109	-	C	143	PCB-184	4180	-		
PCB-135	204	-			PCB-185	26.2	-		
PCB-136	294	-			PCB-186	ND	5.53		
PCB-137	50.3	-			PCB-187	-	-	C182	182
PCB-138	1130	-	C	163/164	PCB-188	22.1	-		
PCB-139	1230	-	C	149	PCB-189	ND	5.29		
PCB-140	16.2	-	J		PCB-190	33.7	-		
PCB-141	224	-			PCB-191	ND	5.76		
PCB-142	601	-			PCB-192	3720	-		
PCB-143	-	-	C134	134	PCB-193	23.1	-		
PCB-144	83.9	-			PCB-194	48.6	-		
PCB-145	ND	7.84			PCB-195	24.6	-		
PCB-146	186	-	C	165	PCB-196	59.9	-	C	203
PCB-147	31.4	-			PCB-197	52.2	-		
PCB-148	ND	11.0			PCB-198	ND	6.94		
PCB-149	-	-	C139	139	PCB-199	66.0	-		
PCB-150	ND	7.62			PCB-200	ND	5.02		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-008-SA
Client ID: LDW-Y3-SU-ENR-CC-S010
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	5.14		
PCB-202	ND	5.63		
PCB-203	-	-	C196	196
PCB-204	10600	-		
PCB-205	ND	8.37		
PCB-206	15.0	-	J	
PCB-207	35.7	-		
PCB-208	ND	5.41		
PCB-209	54.8	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	98.4	5.00 - 145	
13C-PCB-3	95.5	5.00 - 145	
13C-PCB-4	114	5.00 - 145	
13C-PCB-15	109	5.00 - 145	
13C-PCB-19	97.1	5.00 - 145	
13C-PCB-37	91.9	5.00 - 145	
13C-PCB-54	119	5.00 - 145	
13C-PCB-77	119	10.0 - 145	
13C-PCB-81	116	10.0 - 145	
13C-PCB-104	109	10.0 - 145	
13C-PCB-105	106	10.0 - 145	
13C-PCB-114	109	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	109	10.0 - 145	
13C-PCB-126	112	10.0 - 145	
13C-PCB-155	96.4	10.0 - 145	
13C-PCB-156	112	10.0 - 145	
13C-PCB-157	112	10.0 - 145	
13C-PCB-167	114	10.0 - 145	
13C-PCB-169	107	10.0 - 145	
13C-PCB-188	106	10.0 - 145	
13C-PCB-189	102	10.0 - 145	
13C-PCB-202	86.9	10.0 - 145	
13C-PCB-205	115	10.0 - 145	
13C-PCB-206	124	10.0 - 145	
13C-PCB-208	135	10.0 - 145	
13C-PCB-209	118	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	88.3	5.00 - 145	
13C-PCB-111	98.5	10.0 - 145	
13C-PCB-178	93.0	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-009-SA
Client ID: LDW-Y3-SU-ENR-CC-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 72700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	6.93	-	J		PCB-51	93.5	-		
PCB-2	ND	3.61			PCB-52	1520	-	C	69
PCB-3	ND	3.89			PCB-53	263	-		
PCB-4	101	-			PCB-54	ND	6.80		
PCB-5	ND	6.49			PCB-55	73.1	-		
PCB-6	70.1	-			PCB-56	457	-	C	60
PCB-7	11.3	-	J		PCB-57	ND	6.41		
PCB-8	222	-			PCB-58	ND	6.46		
PCB-9	15.4	-	J		PCB-59	-	-	C042	42
PCB-10	ND	6.16			PCB-60	-	-	C056	56
PCB-11	52.3	-			PCB-61	899	-	C	70
PCB-12	ND	6.79			PCB-62	ND	6.56		
PCB-13	ND	6.35			PCB-63	37.9	-		
PCB-14	988	-			PCB-64	-	-	C041	41/71/72
PCB-15	57.9	-			PCB-65	ND	6.50		
PCB-16	264	-			PCB-66	672	-	C	76
PCB-17	437	-			PCB-67	32.0	-		
PCB-18	1020	-			PCB-68	18.9	-	J	
PCB-19	122	-			PCB-69	-	-	C052	52
PCB-20	581	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	285	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	9.17			PCB-73	40.8	-		
PCB-24	54.7	-			PCB-74	384	-		
PCB-25	130	-			PCB-75	-	-	C048	48
PCB-26	234	-			PCB-76	-	-	C066	66
PCB-27	37.3	-			PCB-77	47.9	-		
PCB-28	803	-			PCB-78	3410	-		
PCB-29	ND	8.80			PCB-79	15.9	-	J	
PCB-30	ND	6.75			PCB-80	21.5	-		
PCB-31	937	-			PCB-81	34.1	-		
PCB-32	358	-			PCB-82	143	-		
PCB-33	-	-	C020	20/21	PCB-83	63.0	-	C	112
PCB-34	ND	9.10			PCB-84	747	-	C	92
PCB-35	10.7	-	J		PCB-85	175	-	C	116
PCB-36	1330	-			PCB-86	ND	15.4		
PCB-37	122	-			PCB-87	422	-	C	117/125
PCB-38	13.2	-	J		PCB-88	ND	5.18	C	91
PCB-39	ND	8.62			PCB-89	25.2	-		
PCB-40	179	-			PCB-90	1400	-	C	101
PCB-41	885	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	385	-	C	59	PCB-92	-	-	C084	84
PCB-43	1090	-	C	49	PCB-93	ND	5.23		
PCB-44	1000	-			PCB-94	16.0	-	J	
PCB-45	242	-			PCB-95	1410	-		
PCB-46	97.6	-			PCB-96	18.5	-	J	
PCB-47	363	-			PCB-97	415	-		
PCB-48	244	-	C	75	PCB-98	ND	5.53	C	102
PCB-49	-	-	C043	43	PCB-99	555	-		
PCB-50	17.5	-	J		PCB-100	19.9	-	J	

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EPA Method 1668
PCBs

FAL ID: 13373-009-SA
Client ID: LDW-Y3-SU-ENR-CC-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	255	-		
PCB-102	-	-	C098	98	PCB-152	ND	7.24		
PCB-103	24.7	-			PCB-153	866	-		
PCB-104	3650	-			PCB-154	31.5	-		
PCB-105	229	-			PCB-155	6090	-		
PCB-106	643	-	C	118	PCB-156	56.0	-		
PCB-107	60.9	-	C	108	PCB-157	16.6	-	J	
PCB-108	-	-	C107	107	PCB-158	82.7	-	C	160
PCB-109	ND	9.29			PCB-159	15.4	-	J	
PCB-110	1200	-			PCB-160	-	-	C158	158
PCB-111	29.4	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.91			PCB-163	-	-	C138	138/164
PCB-114	22.0	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.90		
PCB-117	-	-	C087	87/125	PCB-167	25.9	-		
PCB-118	-	-	C	106	PCB-168	ND	8.10		
PCB-119	ND	8.74			PCB-169	ND	7.64		
PCB-120	ND	8.57			PCB-170	86.9	-		
PCB-121	5030	-			PCB-171	38.6	-		
PCB-122	11.5	-	J		PCB-172	149	-		
PCB-123	11.0	-	J		PCB-173	ND	5.74		
PCB-124	40.7	-			PCB-174	137	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	5.16		
PCB-126	ND	7.09			PCB-176	26.2	-		
PCB-127	ND	6.54			PCB-177	90.3	-		
PCB-128	102	-	C	162	PCB-178	38.9	-		
PCB-129	42.8	-			PCB-179	78.1	-		
PCB-130	63.7	-			PCB-180	251	-		
PCB-131	30.9	-	C	133	PCB-181	ND	5.16		
PCB-132	270	-	C	161	PCB-182	192	-	C	187
PCB-133	-	-	C131	131	PCB-183	105	-		
PCB-134	68.4	-	C	143	PCB-184	6130	-		
PCB-135	149	-			PCB-185	21.4	-		
PCB-136	188	-			PCB-186	ND	3.90		
PCB-137	32.2	-			PCB-187	-	-	C182	182
PCB-138	759	-	C	163/164	PCB-188	17.1	-	J	
PCB-139	856	-	C	149	PCB-189	ND	3.96		
PCB-140	11.1	-	J		PCB-190	24.7	-		
PCB-141	150	-			PCB-191	ND	4.06		
PCB-142	970	-			PCB-192	4630	-		
PCB-143	-	-	C134	134	PCB-193	20.1	-		
PCB-144	53.2	-			PCB-194	32.7	-		
PCB-145	ND	7.17			PCB-195	16.9	-	J	
PCB-146	142	-	C	165	PCB-196	47.5	-	C	203
PCB-147	19.3	-	J		PCB-197	64.8	-		
PCB-148	ND	10.1			PCB-198	ND	7.55		
PCB-149	-	-	C139	139	PCB-199	45.0	-		
PCB-150	ND	6.97			PCB-200	ND	5.46		

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EPA Method 1668
PCBs

FAL ID: 13373-009-SA
Client ID: LDW-Y3-SU-ENR-CC-S010-BIO
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	5.59		
PCB-202	ND	6.12		
PCB-203	-	-	C196	196
PCB-204	11900	-		
PCB-205	ND	18.9		
PCB-206	ND	7.09		
PCB-207	42.8	-		
PCB-208	ND	4.93		
PCB-209	62.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	95.1	5.00 - 145	
13C-PCB-3	95.2	5.00 - 145	
13C-PCB-4	113	5.00 - 145	
13C-PCB-15	107	5.00 - 145	
13C-PCB-19	93.3	5.00 - 145	
13C-PCB-37	82.5	5.00 - 145	
13C-PCB-54	117	5.00 - 145	
13C-PCB-77	110	10.0 - 145	
13C-PCB-81	111	10.0 - 145	
13C-PCB-104	106	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	109	10.0 - 145	
13C-PCB-118	111	10.0 - 145	
13C-PCB-123	106	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	89.5	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	105	10.0 - 145	
13C-PCB-169	98.9	10.0 - 145	
13C-PCB-188	105	10.0 - 145	
13C-PCB-189	92.9	10.0 - 145	
13C-PCB-202	90.2	10.0 - 145	
13C-PCB-205	108	10.0 - 145	
13C-PCB-206	117	10.0 - 145	
13C-PCB-208	127	10.0 - 145	
13C-PCB-209	111	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	80.3	5.00 - 145	
13C-PCB-111	96.6	10.0 - 145	
13C-PCB-178	94.4	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-012-SA
Client ID: LDW-Y3-SU-S010-LCB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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: 33900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.19			PCB-51	ND	5.15		
PCB-2	ND	3.35			PCB-52	19.3	-	C,J	69
PCB-3	ND	3.58			PCB-53	ND	5.46		
PCB-4	ND	13.0			PCB-54	ND	4.27		
PCB-5	ND	8.20			PCB-55	33.2	-		
PCB-6	ND	8.26			PCB-56	ND	8.56	C	60
PCB-7	ND	7.93			PCB-57	ND	4.02		
PCB-8	ND	8.38			PCB-58	ND	4.05		
PCB-9	ND	8.32			PCB-59	-	-	C042	42
PCB-10	ND	7.78			PCB-60	-	-	C056	56
PCB-11	54.5	-			PCB-61	ND	4.40	C	70
PCB-12	ND	8.58			PCB-62	ND	4.11		
PCB-13	ND	8.02			PCB-63	ND	3.93		
PCB-14	643	-			PCB-64	-	-	C041	41/71/72
PCB-15	ND	7.93			PCB-65	ND	4.07		
PCB-16	ND	7.07			PCB-66	ND	3.93	C	76
PCB-17	ND	7.90			PCB-67	ND	3.99		
PCB-18	ND	8.65			PCB-68	ND	3.78		
PCB-19	ND	8.97			PCB-69	-	-	C052,J	52
PCB-20	ND	5.50	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.07			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.37			PCB-73	13.2	-	J	
PCB-24	ND	5.94			PCB-74	ND	4.02		
PCB-25	ND	5.40			PCB-75	-	-	C048	48
PCB-26	ND	5.27			PCB-76	-	-	C066	66
PCB-27	ND	6.08			PCB-77	ND	9.10		
PCB-28	ND	4.58			PCB-78	2450	-		
PCB-29	ND	5.15			PCB-79	ND	7.88		
PCB-30	ND	5.87			PCB-80	ND	3.56		
PCB-31	ND	5.22			PCB-81	ND	7.27		
PCB-32	ND	7.13			PCB-82	ND	9.10		
PCB-33	-	-	C020	20/21	PCB-83	ND	6.59	C	112
PCB-34	ND	5.33			PCB-84	ND	7.77	C	92
PCB-35	ND	5.05			PCB-85	ND	6.12	C	116
PCB-36	790	-			PCB-86	ND	9.21		
PCB-37	ND	5.11			PCB-87	ND	5.79	C	117/125
PCB-38	ND	4.80			PCB-88	ND	6.09	C	91
PCB-39	ND	5.05			PCB-89	ND	7.65		
PCB-40	ND	6.97			PCB-90	ND	6.91	C	101
PCB-41	ND	4.42	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	4.94	C	59	PCB-92	-	-	C084	84
PCB-43	ND	5.55	C	49	PCB-93	ND	6.15		
PCB-44	ND	6.16			PCB-94	ND	6.44		
PCB-45	ND	6.13			PCB-95	ND	5.96		
PCB-46	ND	6.26			PCB-96	ND	4.57		
PCB-47	15.1	-	J		PCB-97	ND	8.08		
PCB-48	ND	4.15	C	75	PCB-98	ND	6.50	C	102
PCB-49	-	-	C043	43	PCB-99	ND	6.25		
PCB-50	ND	5.36			PCB-100	ND	5.41		

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EPA Method 1668
PCBs

FAL ID: 13373-012-SA
Client ID: LDW-Y3-SU-S010-LCB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	ND	7.13		
PCB-102	-	-	C098	98	PCB-152	ND	6.22		
PCB-103	ND	5.33			PCB-153	62.7	-		
PCB-104	2240	-			PCB-154	ND	7.10		
PCB-105	ND	4.58			PCB-155	4170	-		
PCB-106	ND	4.66	C	118	PCB-156	ND	5.63		
PCB-107	ND	4.83	C	108	PCB-157	ND	5.49		
PCB-108	-	-	C107	107	PCB-158	ND	5.27	C	160
PCB-109	ND	5.56			PCB-159	ND	5.04		
PCB-110	10.1	-	J		PCB-160	-	-	C158	158
PCB-111	ND	5.43	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	5.93			PCB-163	-	-	C138	138/164
PCB-114	ND	4.28			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146,J	146
PCB-116	-	-	C085	85	PCB-166	ND	5.41		
PCB-117	-	-	C087	87/125	PCB-167	ND	5.32		
PCB-118	-	-	C	106	PCB-168	ND	5.55		
PCB-119	ND	5.24			PCB-169	ND	5.26		
PCB-120	ND	5.13			PCB-170	ND	6.80		
PCB-121	3350	-			PCB-171	ND	6.64		
PCB-122	ND	4.86			PCB-172	ND	6.94		
PCB-123	ND	5.63			PCB-173	ND	7.18		
PCB-124	ND	4.63			PCB-174	ND	6.66		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.45		
PCB-126	ND	5.40			PCB-176	ND	5.01		
PCB-127	ND	4.82			PCB-177	ND	7.05		
PCB-128	ND	6.37	C	162	PCB-178	ND	6.78		
PCB-129	ND	8.43			PCB-179	ND	4.81		
PCB-130	ND	8.71			PCB-180	ND	6.82		
PCB-131	ND	7.99	C	133	PCB-181	ND	6.46		
PCB-132	ND	6.35	C	161	PCB-182	ND	6.07	C	187
PCB-133	-	-	C131	131	PCB-183	ND	6.12		
PCB-134	ND	8.18	C	143	PCB-184	4570	-		
PCB-135	ND	6.97			PCB-185	ND	6.55		
PCB-136	ND	6.10			PCB-186	ND	4.88		
PCB-137	ND	6.73			PCB-187	-	-	C182	182
PCB-138	ND	5.95	C	163/164	PCB-188	ND	4.80		
PCB-139	ND	6.73	C	149	PCB-189	ND	5.19		
PCB-140	ND	6.80			PCB-190	ND	5.09		
PCB-141	ND	7.01			PCB-191	ND	5.07		
PCB-142	724	-			PCB-192	3830	-		
PCB-143	-	-	C134	134	PCB-193	ND	4.91		
PCB-144	ND	7.13			PCB-194	ND	8.36		
PCB-145	ND	6.16			PCB-195	ND	9.46		
PCB-146	14.0	-	C,J	165	PCB-196	ND	7.21	C	203
PCB-147	ND	6.85			PCB-197	61.8	-		
PCB-148	ND	8.67			PCB-198	ND	7.94		
PCB-149	-	-	C139	139	PCB-199	ND	7.73		
PCB-150	ND	5.98			PCB-200	ND	5.74		

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EPA Method 1668
PCBs

FAL ID: 13373-012-SA
Client ID: LDW-Y3-SU-S010-LCB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
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	5.88		
PCB-202	ND	6.44		
PCB-203	-	-	C196	196
PCB-204	10800	-		
PCB-205	ND	7.02		
PCB-206	ND	3.86		
PCB-207	37.1	-		
PCB-208	ND	2.55		
PCB-209	46.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	93.9	5.00 - 145	
13C-PCB-3	95.1	5.00 - 145	
13C-PCB-4	107	5.00 - 145	
13C-PCB-15	104	5.00 - 145	
13C-PCB-19	95.7	5.00 - 145	
13C-PCB-37	86.8	5.00 - 145	
13C-PCB-54	116	5.00 - 145	
13C-PCB-77	106	10.0 - 145	
13C-PCB-81	108	10.0 - 145	
13C-PCB-104	104	10.0 - 145	
13C-PCB-105	102	10.0 - 145	
13C-PCB-114	107	10.0 - 145	
13C-PCB-118	109	10.0 - 145	
13C-PCB-123	109	10.0 - 145	
13C-PCB-126	98.4	10.0 - 145	
13C-PCB-155	85.8	10.0 - 145	
13C-PCB-156	100	10.0 - 145	
13C-PCB-157	102	10.0 - 145	
13C-PCB-167	105	10.0 - 145	
13C-PCB-169	97.0	10.0 - 145	
13C-PCB-188	103	10.0 - 145	
13C-PCB-189	89.1	10.0 - 145	
13C-PCB-202	80.8	10.0 - 145	
13C-PCB-205	112	10.0 - 145	
13C-PCB-206	123	10.0 - 145	
13C-PCB-208	132	10.0 - 145	
13C-PCB-209	115	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	85.9	5.00 - 145	
13C-PCB-111	96.4	10.0 - 145	
13C-PCB-178	91.5	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-013-SA
Client ID: LDW-Y3-SU-S010-TB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020
Total Conc: 46300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	2.50			PCB-51	ND	7.07		
PCB-2	ND	2.57			PCB-52	13.5	-	C,J	69
PCB-3	ND	2.72			PCB-53	ND	7.26		
PCB-4	ND	8.96			PCB-54	ND	5.87		
PCB-5	ND	5.92			PCB-55	46.9	-		
PCB-6	ND	6.19			PCB-56	ND	7.64	C	60
PCB-7	ND	6.25			PCB-57	ND	5.58		
PCB-8	ND	6.14			PCB-58	ND	5.77		
PCB-9	ND	5.99			PCB-59	-	-	C042	42
PCB-10	ND	6.08			PCB-60	-	-	C056	56
PCB-11	78.6	-			PCB-61	ND	6.04	C	70
PCB-12	ND	6.03			PCB-62	ND	5.80		
PCB-13	ND	6.04			PCB-63	ND	5.53		
PCB-14	2170	-			PCB-64	-	-	C041	41/71/72
PCB-15	ND	6.14			PCB-65	ND	5.80		
PCB-16	ND	7.28			PCB-66	ND	5.38	C	76
PCB-17	ND	7.70			PCB-67	ND	5.41		
PCB-18	ND	8.12			PCB-68	ND	5.30		
PCB-19	ND	8.66			PCB-69	-	-	C052,J	52
PCB-20	ND	6.20	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.79			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.76			PCB-73	18.8	-	J	
PCB-24	ND	5.95			PCB-74	ND	5.44		
PCB-25	ND	6.28			PCB-75	-	-	C048	48
PCB-26	ND	5.90			PCB-76	-	-	C066	66
PCB-27	ND	5.85			PCB-77	ND	7.46		
PCB-28	ND	5.47			PCB-78	4040	-		
PCB-29	ND	5.81			PCB-79	ND	7.23		
PCB-30	ND	5.68			PCB-80	ND	4.81		
PCB-31	ND	5.59			PCB-81	ND	6.98		
PCB-32	ND	6.56			PCB-82	ND	8.92		
PCB-33	-	-	C020	20/21	PCB-83	ND	6.95	C	112
PCB-34	ND	6.54			PCB-84	ND	8.23	C	92
PCB-35	ND	6.04			PCB-85	ND	6.49	C	116
PCB-36	1470	-			PCB-86	ND	8.82		
PCB-37	ND	5.94			PCB-87	ND	6.13	C	117/125
PCB-38	ND	5.55			PCB-88	ND	4.47	C	91
PCB-39	ND	5.81			PCB-89	ND	8.43		
PCB-40	ND	9.58			PCB-90	ND	7.20	C	101
PCB-41	ND	6.17	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	6.92	C	59	PCB-92	-	-	C084	84
PCB-43	ND	7.46	C	49	PCB-93	ND	5.03		
PCB-44	ND	8.55			PCB-94	ND	4.98		
PCB-45	ND	8.13			PCB-95	ND	4.27		
PCB-46	ND	8.53			PCB-96	ND	3.58		
PCB-47	ND	7.20			PCB-97	ND	8.33		
PCB-48	ND	5.97	C	75	PCB-98	ND	5.03	C	102
PCB-49	-	-	C043	43	PCB-99	ND	6.76		
PCB-50	ND	7.08			PCB-100	ND	4.16		

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EPA Method 1668
PCBs

FAL ID: 13373-013-SA
Client ID: LDW-Y3-SU-S010-TB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	7.38		
PCB-102	-	-	C098	98	PCB-152	ND	7.29		
PCB-103	ND	4.18			PCB-153	58.1	-		
PCB-104	3290	-			PCB-154	ND	8.02		
PCB-105	ND	4.08			PCB-155	5600	-		
PCB-106	ND	4.35	C	118	PCB-156	ND	6.06		
PCB-107	ND	4.41	C	108	PCB-157	ND	6.00		
PCB-108	-	-	C107	107	PCB-158	ND	5.47	C	160
PCB-109	ND	5.92			PCB-159	ND	5.42		
PCB-110	ND	5.60			PCB-160	-	-	C158	158
PCB-111	ND	5.64	C	115	PCB-161	-	-	C132,J	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.11			PCB-163	-	-	C138	138/164
PCB-114	ND	4.50			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	5.53		
PCB-117	-	-	C087	87/125	PCB-167	ND	5.65		
PCB-118	-	-	C	106	PCB-168	ND	5.73		
PCB-119	ND	5.48			PCB-169	ND	5.29		
PCB-120	ND	5.32			PCB-170	ND	5.16		
PCB-121	4950	-			PCB-171	ND	4.86		
PCB-122	ND	4.26			PCB-172	123	-		
PCB-123	ND	5.00			PCB-173	ND	5.34		
PCB-124	ND	4.17			PCB-174	ND	4.54		
PCB-125	-	-	C087	87/117	PCB-175	ND	4.64		
PCB-126	ND	4.59			PCB-176	ND	3.54		
PCB-127	ND	4.49			PCB-177	ND	5.14		
PCB-128	ND	6.59	C	162	PCB-178	ND	4.89		
PCB-129	ND	8.47			PCB-179	ND	3.54		
PCB-130	ND	7.63			PCB-180	ND	4.87		
PCB-131	ND	8.09	C	133	PCB-181	ND	4.82		
PCB-132	12.0	-	C,J	161	PCB-182	ND	4.29	C	187
PCB-133	-	-	C131	131	PCB-183	ND	4.42		
PCB-134	ND	8.14	C	143	PCB-184	5850	-		
PCB-135	ND	7.91			PCB-185	ND	4.79		
PCB-136	ND	7.74			PCB-186	ND	3.58		
PCB-137	ND	7.37			PCB-187	-	-	C182	182
PCB-138	ND	6.24	C	163/164	PCB-188	ND	4.25		
PCB-139	ND	6.90	C	149	PCB-189	ND	3.23		
PCB-140	ND	6.93			PCB-190	ND	3.87		
PCB-141	ND	7.22			PCB-191	ND	3.73		
PCB-142	939	-			PCB-192	4800	-		
PCB-143	-	-	C134	134	PCB-193	ND	3.67		
PCB-144	ND	6.45			PCB-194	ND	5.80		
PCB-145	ND	7.42			PCB-195	ND	6.16		
PCB-146	ND	6.23	C	165	PCB-196	ND	7.46	C	203
PCB-147	ND	7.12			PCB-197	73.1	-		
PCB-148	ND	8.86			PCB-198	ND	8.53		
PCB-149	-	-	C139	139	PCB-199	ND	7.44		
PCB-150	ND	7.10			PCB-200	ND	5.72		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-013-SA
Client ID: LDW-Y3-SU-S010-TB
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	5.52		
PCB-202	ND	6.31		
PCB-203	-	-	C196	196
PCB-204	12700	-		
PCB-205	ND	4.79		
PCB-206	ND	4.79		
PCB-207	43.4	-		
PCB-208	ND	3.54		
PCB-209	62.3	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	102	5.00 - 145	
13C-PCB-3	105	5.00 - 145	
13C-PCB-4	112	5.00 - 145	
13C-PCB-15	105	5.00 - 145	
13C-PCB-19	101	5.00 - 145	
13C-PCB-37	114	5.00 - 145	
13C-PCB-54	112	5.00 - 145	
13C-PCB-77	112	10.0 - 145	
13C-PCB-81	110	10.0 - 145	
13C-PCB-104	113	10.0 - 145	
13C-PCB-105	114	10.0 - 145	
13C-PCB-114	112	10.0 - 145	
13C-PCB-118	113	10.0 - 145	
13C-PCB-123	113	10.0 - 145	
13C-PCB-126	107	10.0 - 145	
13C-PCB-155	110	10.0 - 145	
13C-PCB-156	110	10.0 - 145	
13C-PCB-157	112	10.0 - 145	
13C-PCB-167	111	10.0 - 145	
13C-PCB-169	111	10.0 - 145	
13C-PCB-188	106	10.0 - 145	
13C-PCB-189	110	10.0 - 145	
13C-PCB-202	107	10.0 - 145	
13C-PCB-205	115	10.0 - 145	
13C-PCB-206	120	10.0 - 145	
13C-PCB-208	116	10.0 - 145	
13C-PCB-209	116	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	99.8	5.00 - 145	
13C-PCB-111	98.8	10.0 - 145	
13C-PCB-178	95.6	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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EPA Method 1668
PCBs

FAL ID: 13373-014-SA
Client ID: LDW-Y3-LBS-WAT-S010-SPME
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020
Total Conc: 33700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.00			PCB-51	ND	8.67		
PCB-2	ND	5.37			PCB-52	13.8	-	C,J	69
PCB-3	ND	5.92			PCB-53	ND	8.90		
PCB-4	ND	12.5			PCB-54	ND	7.20		
PCB-5	ND	9.38			PCB-55	33.4	-		
PCB-6	ND	9.81			PCB-56	ND	14.6	C	60
PCB-7	ND	9.91			PCB-57	ND	6.84		
PCB-8	ND	9.72			PCB-58	ND	7.07		
PCB-9	ND	9.49			PCB-59	-	-	C042	42
PCB-10	ND	9.63			PCB-60	-	-	C056	56
PCB-11	50.6	-			PCB-61	ND	7.40	C	70
PCB-12	ND	9.54			PCB-62	ND	7.11		
PCB-13	ND	9.56			PCB-63	ND	6.78		
PCB-14	913	-			PCB-64	-	-	C041	41/71/72
PCB-15	ND	10.7			PCB-65	ND	7.11		
PCB-16	ND	7.89			PCB-66	ND	6.60	C	76
PCB-17	ND	8.35			PCB-67	ND	6.63		
PCB-18	ND	8.81			PCB-68	ND	6.49		
PCB-19	ND	9.39			PCB-69	-	-	C052,J	52
PCB-20	ND	5.79	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	5.40			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.37			PCB-73	17.2	-	J	
PCB-24	ND	6.46			PCB-74	ND	6.67		
PCB-25	ND	5.86			PCB-75	-	-	C048	48
PCB-26	ND	5.50			PCB-76	-	-	C066	66
PCB-27	ND	6.34			PCB-77	ND	14.6		
PCB-28	ND	5.10			PCB-78	2960	-		
PCB-29	ND	5.42			PCB-79	ND	13.8		
PCB-30	ND	6.16			PCB-80	ND	5.89		
PCB-31	ND	5.21			PCB-81	ND	13.0		
PCB-32	ND	7.12			PCB-82	ND	11.5		
PCB-33	-	-	C020	20/21	PCB-83	ND	8.97	C	112
PCB-34	ND	6.10			PCB-84	ND	10.6	C	92
PCB-35	ND	5.63			PCB-85	ND	8.37	C	116
PCB-36	971	-			PCB-86	ND	11.4		
PCB-37	ND	5.54			PCB-87	ND	7.92	C	117/125
PCB-38	ND	5.17			PCB-88	ND	9.18	C	91
PCB-39	ND	5.42			PCB-89	ND	10.9		
PCB-40	ND	11.7			PCB-90	ND	9.32	C	101
PCB-41	ND	7.56	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	8.49	C	59	PCB-92	-	-	C084	84
PCB-43	ND	9.15	C	49	PCB-93	ND	10.3		
PCB-44	ND	10.5			PCB-94	ND	10.2		
PCB-45	ND	9.97			PCB-95	ND	8.77		
PCB-46	ND	10.5			PCB-96	ND	7.34		
PCB-47	ND	8.83			PCB-97	ND	10.8		
PCB-48	ND	7.32	C	75	PCB-98	ND	10.3	C	102
PCB-49	-	-	C043	43	PCB-99	ND	8.73		
PCB-50	ND	8.68			PCB-100	ND	8.53		

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EPA Method 1668
PCBs

FAL ID: 13373-014-SA
Client ID: LDW-Y3-LBS-WAT-S010-SPME
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	9.30		
PCB-102	-	-	C098	98	PCB-152	ND	8.31		
PCB-103	ND	8.58			PCB-153	52.4	-		
PCB-104	2460	-			PCB-154	ND	9.14		
PCB-105	ND	7.05			PCB-155	4050	-		
PCB-106	ND	6.61	C	118	PCB-156	ND	7.66		
PCB-107	ND	7.17	C	108	PCB-157	ND	7.61		
PCB-108	-	-	C107	107	PCB-158	ND	6.89	C	160
PCB-109	ND	7.63			PCB-159	ND	6.82		
PCB-110	ND	7.23			PCB-160	-	-	C158	158
PCB-111	ND	7.27	C	115	PCB-161	-	-	C132,J	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.88			PCB-163	-	-	C138	138/164
PCB-114	ND	7.63			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146,J	146
PCB-116	-	-	C085	85	PCB-166	ND	6.96		
PCB-117	-	-	C087	87/125	PCB-167	ND	7.27		
PCB-118	-	-	C	106	PCB-168	ND	7.22		
PCB-119	ND	7.07			PCB-169	ND	6.41		
PCB-120	ND	6.87			PCB-170	ND	9.05		
PCB-121	3560	-			PCB-171	ND	8.52		
PCB-122	ND	6.92			PCB-172	120	-		
PCB-123	ND	7.81			PCB-173	ND	9.35		
PCB-124	ND	6.78			PCB-174	ND	7.95		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.13		
PCB-126	ND	9.18			PCB-176	ND	6.21		
PCB-127	ND	7.30			PCB-177	ND	9.02		
PCB-128	ND	8.30	C	162	PCB-178	ND	8.56		
PCB-129	ND	10.7			PCB-179	ND	6.20		
PCB-130	ND	9.61			PCB-180	ND	8.53		
PCB-131	ND	10.2	C	133	PCB-181	ND	8.45		
PCB-132	19.1	-	C,J	161	PCB-182	ND	7.52	C	187
PCB-133	-	-	C131	131	PCB-183	ND	7.74		
PCB-134	ND	10.3	C	143	PCB-184	4280	-		
PCB-135	ND	9.97			PCB-185	ND	8.40		
PCB-136	ND	8.82			PCB-186	ND	6.27		
PCB-137	ND	9.29			PCB-187	-	-	C182	182
PCB-138	ND	7.86	C	163/164	PCB-188	ND	6.93		
PCB-139	ND	8.69	C	149	PCB-189	ND	6.20		
PCB-140	ND	8.73			PCB-190	ND	6.77		
PCB-141	ND	9.09			PCB-191	ND	6.53		
PCB-142	714	-			PCB-192	3660	-		
PCB-143	-	-	C134	134	PCB-193	ND	6.43		
PCB-144	ND	8.13			PCB-194	ND	10.7		
PCB-145	ND	8.46			PCB-195	ND	11.4		
PCB-146	18.6	-	C,J	165	PCB-196	ND	11.7	C	203
PCB-147	ND	8.97			PCB-197	56.9	-		
PCB-148	ND	10.1			PCB-198	ND	13.4		
PCB-149	-	-	C139	139	PCB-199	ND	11.7		
PCB-150	ND	8.10			PCB-200	ND	8.97		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13373-014-SA
Client ID: LDW-Y3-LBS-WAT-S010-SPME
Matrix: Solvent
Batch No: X5493

Date Extracted: 10-20-2020
Date Received: 10-01-2020
Amount: 1.00 sample

ICal: DAILY209FAL4-10-27-20
GC Column: DB1MS
Units: pg/sample

Acquired: 10-27-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	8.64		
PCB-202	ND	9.89		
PCB-203	-	-	C196	196
PCB-204	9640	-		
PCB-205	ND	8.86		
PCB-206	ND	6.91		
PCB-207	31.2	-		
PCB-208	ND	5.19		
PCB-209	53.9	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	98.6	5.00 - 145	
13C-PCB-3	97.2	5.00 - 145	
13C-PCB-4	111	5.00 - 145	
13C-PCB-15	95.7	5.00 - 145	
13C-PCB-19	104	5.00 - 145	
13C-PCB-37	104	5.00 - 145	
13C-PCB-54	115	5.00 - 145	
13C-PCB-77	101	10.0 - 145	
13C-PCB-81	99.1	10.0 - 145	
13C-PCB-104	111	10.0 - 145	
13C-PCB-105	108	10.0 - 145	
13C-PCB-114	107	10.0 - 145	
13C-PCB-118	111	10.0 - 145	
13C-PCB-123	104	10.0 - 145	
13C-PCB-126	99.3	10.0 - 145	
13C-PCB-155	107	10.0 - 145	
13C-PCB-156	105	10.0 - 145	
13C-PCB-157	107	10.0 - 145	
13C-PCB-167	106	10.0 - 145	
13C-PCB-169	108	10.0 - 145	
13C-PCB-188	110	10.0 - 145	
13C-PCB-189	109	10.0 - 145	
13C-PCB-202	104	10.0 - 145	
13C-PCB-205	113	10.0 - 145	
13C-PCB-206	119	10.0 - 145	
13C-PCB-208	112	10.0 - 145	
13C-PCB-209	116	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	98.6	5.00 - 145	
13C-PCB-111	94.0	10.0 - 145	
13C-PCB-178	90.8	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: 10/30/2020

Reviewed By: DPV

Date: 10/30/2020

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CHAIN OF CUSTODY

EcoAnalysts
LIFE IN WATER

13373
Doc

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 first 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
41	LDW-Y3-SU-ENR+AC-CC-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1338	X						4°C		
42	LDW-Y3-SU-ENR+AC-CD-S010	SPME fibers + hexane	1 Vial	9/28/2020	1033	X						4°C		
43	LDW-Y3-SU-ENR+AC-CE-S010	SPME fibers + hexane	1 Vial	9/28/2020	--	X						4°C		
44	LDW-Y3-SU-ENR-CA-S010	SPME fibers + hexane	1 Vial	9/28/2020	1050	X						4°C		
45	LDW-Y3-SU-ENR-CA-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1355	X						4°C		
46	LDW-Y3-SU-ENR-CB-S010	SPME fibers + hexane	1 Vial	9/28/2020	1057	X						4°C		
47	LDW-Y3-SU-ENR-CB-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1402	X						4°C		
48	LDW-Y3-SU-ENR-CC-S010	SPME fibers + hexane	1 Vial	9/28/2020	1103	X						4°C		
49	LDW-Y3-SU-ENR-CC-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1411	X						4°C		
50	LDW-Y3-SU-ENR-CD-S010	SPME fibers + hexane	1 Vial	9/28/2020	1128	X						4°C		
51	LDW-Y3-SU-ENR-CE-S010	SPME fibers + hexane	1 Vial	9/28/2020	1138	X						4°C		
52	LDW-Y3-SU-S010-LCB	SPME fibers + hexane	1 Vial	9/28/2020	1147	X						4°C		
53	LDW-Y3-SU-S010-TB	SPME fibers + hexane	1 Vial	9/28/2020	1506	X						4°C		
54	LDW-Y3-LBS-WAT-S010-SPME	SPME fibers + hexane	1 Vial	9/28/2020	1347	X						4°C		
55														
56														
57														
58														
59														
60														

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. Kn	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

Version 1.0, Effective 7/1/14

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
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ANALYTICAL LABORATORY
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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: **13373**

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:	KZ
# of Samples Received:	14
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:	

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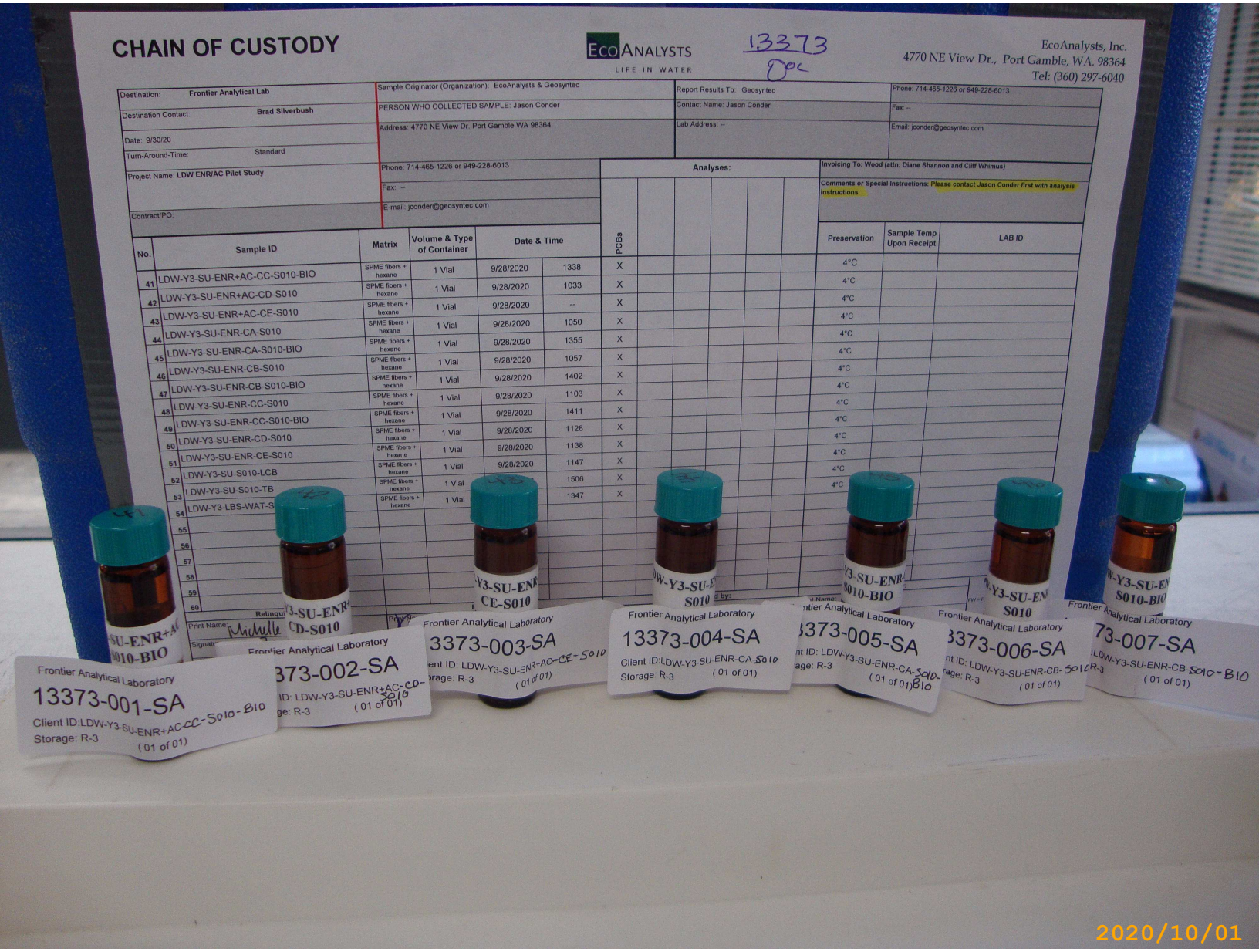

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PROJECT REQUEST SHEET

Project #:	13373	Sample #:	~~1-14~~ 1-2 KC 10·16·20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/28/2021
Matrix:	Solvent	Extraction Batch:	5488	Due Date:	10/23/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13373

Extract/s located in box: "Sniffles"

Standards: _____

Instrument:

DB5MS	____
007-225	____
DB1MS	FAL-1
Other	____

Analyze: 1, 2

Frontier Analytical Laboratory

EXTRACTION SHEET

Project #: 13373 Extraction Date: 2020-10-16 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
13372 05488-001-0001-MB					
05488-001-0001-OPR					
13373-001-0001-SA	5.50g	NA	KC 10.16.20	NA	KC 10.16.20
13373-002-0001-SA	5.100g	↓	↓	↓	↓

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:

- Sample volumes are approximate, measured using a 5.00mL pipet. KC 10.16.20

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13373

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 PCB-MSG	Cleanup 2 NA	Cleanup 3 NA	RS Amt: 10.0uL ID: 200707A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05488-001-0001-MB				
05488-001-0001-OPR				
13373-001-0001-SA	KC 10-16-20	NA	NA	KC 10-16-20
13373-002-0001-SA	↓	↓	↓	↓

13373

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 #:	13373	Sample #:	~~1-14~~ 3-14 KC 10.14.20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/28/2021
Matrix:	Solvent	Extraction Batch:	5493	Due Date:	10/23/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13373-1
13373-13

Extract/s located in box: Sniffles

Standards: _____

Instrument:
DB5MS ____
007-225 ____
DB1MS FAC-1
Other ____

- Extract + hold ~~all samples~~ #3, 10 & 11
- LL DATA package + F/S EDD

ANALYZE- 4, 5, 6, 7, 8, 9, 12, 13, 14

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13373 Extraction Date: 2020-10-20 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
05493-001-0001-MB	5.00mL	NA	RR KC 10-20-20	NA	RR KC 10-20-20
05493-001-0001-OPR	5.00mL			RR KC 10-20-20	
13373-003-0001-SA	5.10mL			NA	
13373-004-0001-SA	5.30mL				
13373-005-0001-SA	5.08mL				
13373-006-0001-SA	5.29mL				
13373-007-0001-SA	5.42mL				
13373-008-0001-SA	5.10mL				
13373-009-0001-SA	5.43mL				
13373-010-0001-SA	4.81mL				
13373-011-0001-SA	5.27mL				
13373-012-0001-SA	5.29mL				
13373-013-0001-SA	5.05mL				
13373-014-0001-SA	5.30mL				

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	60108
Water	203952	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13373

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 KC 10·21·20 ID: RR 10·21·20 ~~200707A~~ 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
05493-001-0001-MB	RR 10·20·20	NA	NA	RR KC 10·21·20
05493-001-0001-OPR				
13373-003-0001-SA				
13373-004-0001-SA				
13373-005-0001-SA				
13373-006-0001-SA				
13373-007-0001-SA				
13373-008-0001-SA				
13373-009-0001-SA				
13373-010-0001-SA				
13373-011-0001-SA				
13373-012-0001-SA				
13373-013-0001-SA				
13373-014-0001-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	60108
Water	203952	C-18 Empore Discs	31496	Cyclohexane	58152		

Comments:

FAL ID: 05488-001-0001-MB Filename: 23OCT20Z Sam:3 Acquired: 23-OCT-20 12:48:05 ICal: DAILY209FAL4-10-23-20
Client ID: Method Blank ConCal: ST10232OZ1 EndCal: ST10232OZ2
Results: 13372-8 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	1.35	*		1280	928	4.58			
13C-PCB-1	2.60e+07	3.28 y	14:32	0.94	8070					80.7	6.85e+06	2.07e+06
PCB-2	*	* n	NotFnd	1.44	*		1280	928	4.87			
PCB-3	*	* n	NotFnd	1.39	*		1280	928	5.69			
13C-PCB-3	2.41e+07	3.29 y	16:57	0.88	7990					79.9	5.43e+06	1.62e+06
PCB-4	*	* n	NotFnd	1.16	*		756	2600	10.8			
PCB-10	*	* n	NotFnd	1.68	*		756	2600	7.47			
13C-PCB-4	2.15e+07	1.57 y	18:11	0.70	8950					89.5	4.11e+06	2.60e+06
PCB-9	*	* n	NotFnd	1.55	*		756	2600	8.07			
PCB-7	*	* n	NotFnd	1.55	*		756	2600	8.07			
PCB-6	*	* n	NotFnd	1.48	*		756	2600	8.44			
PCB-8	*	* n	NotFnd	1.50	*		756	2600	8.33			
PCB-5	*	* n	NotFnd	1.48	*		756	2600	8.45			
PCB-14	*	* n	NotFnd	1.53	*		756	2600	8.16			
PCB-11	*	* n	NotFnd	1.39	*		756	2600	8.99			
PCB-13	*	* n	NotFnd	1.33	*		756	2600	9.41			
PCB-12	*	* n	NotFnd	1.39	*		756	2600	9.01			
PCB-15	*	* n	NotFnd	1.30	*		756	2600	9.65			
13C-PCB-15	2.89e+07	1.65 y	23:42	1.01	8300					83.0	4.08e+06	2.60e+06
PCB-19	*	* n	NotFnd	1.29	*		954	436	7.71			
PCB-30	*	* n	NotFnd	2.02	*		954	436	4.90			
PCB-18	*	* n	NotFnd	1.25	*		954	436	7.95			
PCB-17	*	* n	NotFnd	1.44	*		954	436	6.90			
PCB-27	*	* n	NotFnd	1.80	*		954	436	5.52			
PCB-24	*	* n	NotFnd	1.85	*		954	436	5.35			
PCB-16	*	* n	NotFnd	1.61	*		954	436	6.16			
PCB-32	*	* n	NotFnd	1.62	*		954	436	6.14			
13C-PCB-19	1.29e+07	1.10 y	22:03	0.47	7990					79.9	1.81e+06	1.69e+06
13C-PCB-9	3.43e+07	1.62 y	19:51	-	73.9							
PCB-34	*	* n	NotFnd	1.18	*		954	496	6.99			
PCB-23	*	* n	NotFnd	1.31	*		954	496	6.29			
PCB-29	*	* n	NotFnd	1.36	*		954	496	6.08			
PCB-26	*	* n	NotFnd	1.34	*		954	496	6.14			
PCB-25	*	* n	NotFnd	1.27	*		954	496	6.50			
PCB-31	*	* n	NotFnd	1.41	*		954	496	5.84			
PCB-28	*	* n	NotFnd	1.43	*		954	496	5.76			
PCB-20	*	* n	NotFnd	1.27	*		954	496	6.50		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.27	*		954	496	6.50		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.27	*		954	496	6.50		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.33	*		954	496	6.22			
PCB-36	*	* n	NotFnd	1.37	*		954	496	6.04			
PCB-39	*	* n	NotFnd	1.20	*		954	496	6.85			
PCB-38	*	* n	NotFnd	1.35	*		954	496	6.10			
PCB-35	*	* n	NotFnd	1.27	*		954	496	6.51			
PCB-37	*	* n	NotFnd	1.21	*		954	496	6.81			
13C-PCB-37	2.33e+07	1.10 y	30:21	1.77	8980					89.8	2.28e+06	2.11e+06

PCB-54	*	*	n	NotFnd	1.36	*	796	984	6.84			
PCB-50	*	*	n	NotFnd	1.16	*	796	984	8.03			
PCB-53	*	*	n	NotFnd	1.02	*	796	984	9.08			
PCB-51	*	*	n	NotFnd	1.04	*	796	984	8.96			
PCB-45	*	*	n	NotFnd	0.98	*	796	984	9.49			
PCB-46	*	*	n	NotFnd	0.92	*	796	984	10.2			
PCB-52	*	*	n	NotFnd	1.11	*	796	984	8.41	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.11	*	796	984	8.41	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.30	*	796	984	7.14			
PCB-43	*	*	n	NotFnd	1.00	*	796	984	9.32	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.00	*	796	984	9.32	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	0.99	*	796	984	9.35			
PCB-48	*	*	n	NotFnd	1.26	*	796	984	7.36	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.26	*	796	984	7.36	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*	796	984	6.91			
PCB-62	*	*	n	NotFnd	1.19	*	796	984	7.84			
PCB-44	*	*	n	NotFnd	0.85	*	796	984	11.0			
PCB-42	*	*	n	NotFnd	1.12	*	796	984	8.33	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.12	*	796	984	8.33	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.22	*	796	984	7.60	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.22	*	796	984	7.60	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.22	*	796	984	7.60	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.22	*	796	984	7.60	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.32	*	796	984	7.06			
PCB-40	*	*	n	NotFnd	0.82	*	796	984	11.4			
PCB-57	*	*	n	NotFnd	1.33	*	796	984	6.99			
PCB-67	*	*	n	NotFnd	1.26	*	796	984	7.37			
PCB-58	*	*	n	NotFnd	1.27	*	796	984	7.34			
PCB-63	*	*	n	NotFnd	1.35	*	796	984	6.87			
PCB-74	*	*	n	NotFnd	1.24	*	796	984	7.53			
PCB-61	*	*	n	NotFnd	1.17	*	796	984	7.93	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.17	*	796	984	7.93	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.39	*	796	984	6.69	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.39	*	796	984	6.69	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.56	*	796	984	5.94			
PCB-55	*	*	n	NotFnd	1.32	*	796	984	7.04			
13C-PCB-54	1.75e+07	0.83	y	25:35	1.32	9090				90.9	2.15e+06	2.63e+06
PCB-104	*	*	n	NotFnd	1.23	*	424	436	6.21			
PCB-96	*	*	n	NotFnd	1.20	*	424	436	6.35			
PCB-103	*	*	n	NotFnd	1.01	*	424	436	7.58			
PCB-100	*	*	n	NotFnd	0.94	*	424	436	8.17			
PCB-94	*	*	n	NotFnd	0.78	*	424	436	9.86			
PCB-98	*	*	n	NotFnd	0.77	*	424	436	9.87	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*	424	436	9.87	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.96	*	424	436	7.93			
PCB-93	*	*	n	NotFnd	0.93	*	424	436	8.26			
PCB-88	*	*	n	NotFnd	0.52	*	424	436	14.7	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*	424	436	14.7	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.08	*	424	436	7.05			
13C-PCB-104	1.14e+07	1.59	y	30:01	0.96	8120				81.2	1.73e+06	1.08e+06
13C-PCB-28	2.96e+07	1.08	y	26:40	2.13	9540				95.4	3.64e+06	3.42e+06
13C-PCB-52	1.46e+07	0.81	y	28:56	-	67.6						

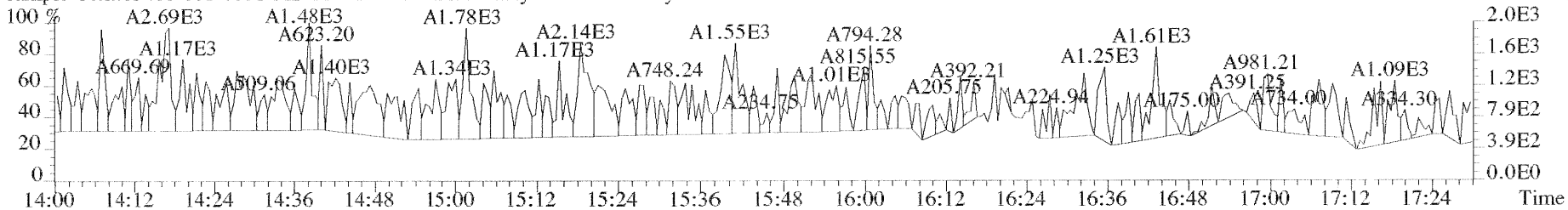
PCB-56	*	*	n	NotFnd	1.21	*	740	960	9.22			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.21	*	740	960	9.22			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.38	*	740	960	8.09			
PCB-78	*	*	n	NotFnd	1.38	*	740	960	8.10			
PCB-81	*	*	n	NotFnd	1.41	*	740	960	7.82			
13C-PCB-81	1.91e+07	0.81	y	36:07	1.78	8710				87.1	1.71e+06	2.16e+06
PCB-77	*	*	n	NotFnd	1.17	*	740	956	9.65			
13C-PCB-77	1.93e+07	0.80	y	36:41	1.84	8530				85.3	1.70e+06	2.06e+06
PCB-155	*	*	n	NotFnd	1.14	*	632	510	7.99			
PCB-150	*	*	n	NotFnd	1.06	*	632	510	8.58			
PCB-152	*	*	n	NotFnd	1.15	*	632	510	7.93			
PCB-145	*	*	n	NotFnd	1.06	*	632	510	8.57			
PCB-136	*	*	n	NotFnd	1.05	*	632	510	8.65			
PCB-148	*	*	n	NotFnd	0.92	*	632	510	9.93			
PCB-154	*	*	n	NotFnd	0.93	*	632	510	9.78			
13C-PCB-155	1.27e+07	1.27	y	34:11	1.26	8180				81.8	1.75e+06	1.38e+06
13C-PCB-111	1.39e+07	1.60	y	36:16	1.32	8560				85.6	1.98e+06	1.21e+06
13C-PCB-101	1.23e+07	1.61	y	34:37	-	69.9						
PCB-84	*	*	n	NotFnd	0.74	*	510	552	9.55			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.74	*	510	552	9.55			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.77	*	510	552	9.23			
PCB-90	*	*	n	NotFnd	0.80	*	510	552	8.84			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.80	*	510	552	8.84			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*	510	552	7.97			
PCB-99	*	*	n	NotFnd	0.92	*	510	552	7.68			
PCB-119	*	*	n	NotFnd	1.06	*	510	552	6.70			
PCB-83	*	*	n	NotFnd	0.83	*	510	552	8.52			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.83	*	510	552	8.52			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*	510	552	7.31			
PCB-97	*	*	n	NotFnd	0.68	*	510	552	10.4			
PCB-86	*	*	n	NotFnd	0.68	*	510	552	10.5			
PCB-125	*	*	n	NotFnd	0.92	*	510	552	7.67			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.92	*	510	552	7.67			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.92	*	510	552	7.67			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.99	*	510	552	7.14			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.99	*	510	552	7.14			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.92	*	510	552	7.71			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.92	*	510	552	7.71			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*	510	552	6.34			
PCB-110	*	*	n	NotFnd	0.99	*	510	552	7.11			
PCB-82	*	*	n	NotFnd	0.65	*	510	552	10.9			
PCB-124	*	*	n	NotFnd	1.25	*	756	792	8.23			
PCB-108	*	*	n	NotFnd	1.23	*	756	792	8.40			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.23	*	756	792	8.40			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.19	*	756	792	8.49			
13C-PCB-123	1.77e+07	1.55	y	38:19	1.42	9350				93.5	2.34e+06	1.50e+06
PCB-118	*	*	n	NotFnd	1.22	*	756	792	7.66			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.22	*	756	792	7.66			Co-elute PCB 118
13C-PCB-118	1.97e+07	1.63	y	38:29	1.59	9300				93.0	2.54e+06	1.59e+06
PCB-114	*	*	n	NotFnd	1.18	*	756	792	9.01			
13C-PCB-114	1.84e+07	1.61	y	39:07	1.50	9240				92.4	2.24e+06	1.39e+06
PCB-122	*	*	n	NotFnd	1.30	*	756	792	7.94			
PCB-105	*	*	n	NotFnd	1.36	*	756	792	8.25			
13C-PCB-105	1.79e+07	1.59	y	39:55	1.52	8850				88.5	2.08e+06	1.36e+06

PCB-127	*	*	n	NotFnd	1.27	*	756	792	8.10				
PCB-126	*	*	n	NotFnd	1.23	*	756	792	9.31				
13C-PCB-126	1.67e+07	1.58	y	42:03	1.36	9230				92.3	2.08e+06	1.31e+06	
PCB-151	*	*	n	NotFnd	1.14	*	621	510	8.23				
PCB-135	*	*	n	NotFnd	1.05	*	621	510	8.93				
PCB-144	*	*	n	NotFnd	1.17	*	621	510	8.05				
PCB-147	*	*	n	NotFnd	1.24	*	621	510	7.56				
PCB-139	*	*	n	NotFnd	1.14	*	621	510	8.25		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	1.14	*	621	510	8.25		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.27	*	621	510	7.40				
PCB-143	*	*	n	NotFnd	1.00	*	621	510	9.40		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	1.00	*	621	510	9.40		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	1.00	*	621	510	9.41		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	1.00	*	621	510	9.41		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	1.05	*	621	510	8.92				
PCB-165	*	*	n	NotFnd	1.30	*	621	510	7.24		Co-elute PCB 146		
PCB-146	*	*	n	NotFnd	1.30	*	621	510	7.24		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.24	*	621	510	7.56		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.24	*	621	510	7.56		Co-elute PCB 161		
PCB-153	*	*	n	NotFnd	1.40	*	621	510	6.70				
PCB-168	*	*	n	NotFnd	1.38	*	621	510	6.78				
PCB-141	*	*	n	NotFnd	1.13	*	621	510	8.30				
PCB-137	*	*	n	NotFnd	1.01	*	621	510	9.26				
PCB-130	*	*	n	NotFnd	1.05	*	621	510	8.92				
PCB-138	*	*	n	NotFnd	1.25	*	621	510	7.49		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.25	*	621	510	7.49		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.25	*	621	510	7.49		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.42	*	621	510	6.61		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.42	*	621	510	6.61		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.99	*	621	510	9.44				
PCB-166	*	*	n	NotFnd	1.42	*	621	510	6.61				
PCB-159	*	*	n	NotFnd	1.53	*	621	510	6.15				
PCB-128	*	*	n	NotFnd	1.14	*	621	510	8.25		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.14	*	621	510	8.25		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.33	*	621	510	7.35				
13C-PCB-167	1.43e+07	1.24	y	43:24	1.16	9300				93.0	1.61e+06	1.28e+06	
PCB-156	*	*	n	NotFnd	1.40	*	621	510	7.04				
13C-PCB-156	1.39e+07	1.29	y	44:38	1.13	9220				92.2	1.66e+06	1.23e+06	
PCB-157	*	*	n	NotFnd	1.26	*	621	510	7.53				
13C-PCB-157	1.47e+07	1.30	y	44:54	1.14	9610				96.1	1.66e+06	1.32e+06	
PCB-169	*	*	n	NotFnd	1.22	*	621	510	6.92				
13C-PCB-169	1.41e+07	1.27	y	46:46	1.04	10200				102	1.88e+06	1.46e+06	

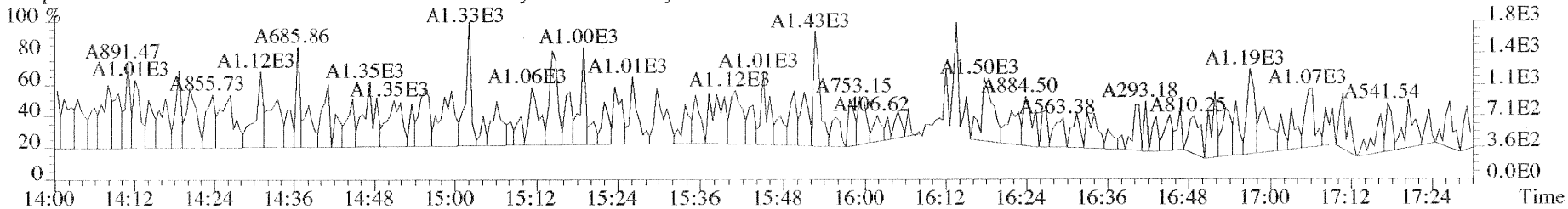
PCB-188	*	*	n	NotFnd	1.19	*	520	357	6.45				
13C-PCB-188	1.19e+07	1.08	y	39:42	1.06	8370				83.7	1.49e+06	1.36e+06	
PCB-184	*	*	n	NotFnd	1.38	*	520	357	5.58				
PCB-179	*	*	n	NotFnd	1.38	*	520	357	5.60				
PCB-176	*	*	n	NotFnd	1.33	*	520	357	5.79				
PCB-186	*	*	n	NotFnd	1.25	*	520	357	6.16				
PCB-178	*	*	n	NotFnd	0.95	*	520	357	8.15				
PCB-175	*	*	n	NotFnd	0.98	*	520	357	7.87				
PCB-187	*	*	n	NotFnd	1.04	*	520	357	7.37		Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.04	*	520	357	7.37		Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	1.07	*	520	357	7.18				
PCB-185	*	*	n	NotFnd	0.88	*	520	357	8.71				
PCB-174	*	*	n	NotFnd	0.94	*	520	357	8.19				
PCB-181	*	*	n	NotFnd	0.93	*	520	357	8.32				
PCB-177	*	*	n	NotFnd	0.90	*	520	357	8.52				
PCB-171	*	*	n	NotFnd	0.96	*	520	357	8.02				
PCB-173	*	*	n	NotFnd	0.84	*	520	357	9.15				
PCB-172	*	*	n	NotFnd	0.90	*	520	357	8.57				
PCB-192	*	*	n	NotFnd	1.07	*	520	357	7.17				
PCB-180	*	*	n	NotFnd	0.86	*	520	357	8.99				
PCB-193	*	*	n	NotFnd	1.19	*	520	357	6.45				
PCB-191	*	*	n	NotFnd	1.19	*	520	357	6.47				
PCB-170	*	*	n	NotFnd	0.86	*	520	357	8.93				
PCB-190	*	*	n	NotFnd	1.17	*	520	357	6.58				
PCB-189	*	*	n	NotFnd	1.16	*	520	357	6.63				
13C-PCB-189	1.11e+07	1.06	y	48:27	0.86	9660				96.6	1.48e+06	1.36e+06	
PCB-202	*	*	n	NotFnd	1.11	*	420	410	9.54				
PCB-201	*	*	n	NotFnd	1.27	*	420	410	8.39				
PCB-204	*	*	n	NotFnd	1.28	*	420	410	8.34				
PCB-197	*	*	n	NotFnd	1.20	*	420	410	8.90				
PCB-200	*	*	n	NotFnd	1.25	*	420	410	8.48				
PCB-198	*	*	n	NotFnd	0.90	*	420	410	11.9				
PCB-199	*	*	n	NotFnd	0.85	*	420	410	12.5				
PCB-203	*	*	n	NotFnd	0.95	*	420	410	11.2		Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	0.95	*	420	410	11.2		Co-elute PCB 203		
13C-PCB-202	8.79e+06	0.90	y	44:48	0.77	8610				86.1	8.98e+05	1.06e+06	
13C-PCB-178	8.71e+06	1.12	y	42:20	0.76	8640				86.4	1.08e+06	9.51e+05	
13C-PCB-138	1.33e+07	1.25	y	41:34	-	67.1							
PCB-195	*	*	n	NotFnd	0.94	*	984	1260	10.2				
PCB-194	*	*	n	NotFnd	1.03	*	984	1260	9.27				
PCB-205	*	*	n	NotFnd	1.17	*	984	1260	8.12				
13C-PCB-205	1.80e+07	0.90	y	50:06	1.30	8970				89.7	2.81e+06	3.08e+06	
PCB-208	*	*	n	NotFnd	1.16	*	456	460	3.50				
13C-PCB-208	1.56e+07	0.81	y	49:09	1.13	9010				90.1	2.52e+06	3.12e+06	
PCB-207	*	*	n	NotFnd	1.39	*	456	460	3.59				
PCB-206	*	*	n	NotFnd	1.17	*	456	460	5.39				
13C-PCB-206	1.14e+07	0.81	y	51:18	0.85	8750				87.5	1.63e+06	2.00e+06	
PCB-209	*	*	n	NotFnd	1.24	*	544	260	4.83				
13C-PCB-209	1.18e+07	1.22	y	52:30	0.88	8720				87.2	1.86e+06	1.51e+06	
13C-PCB-194	1.54e+07	0.92	y	49:50	-	77.4							

Analyst: [illegible] Date: 10/30/20

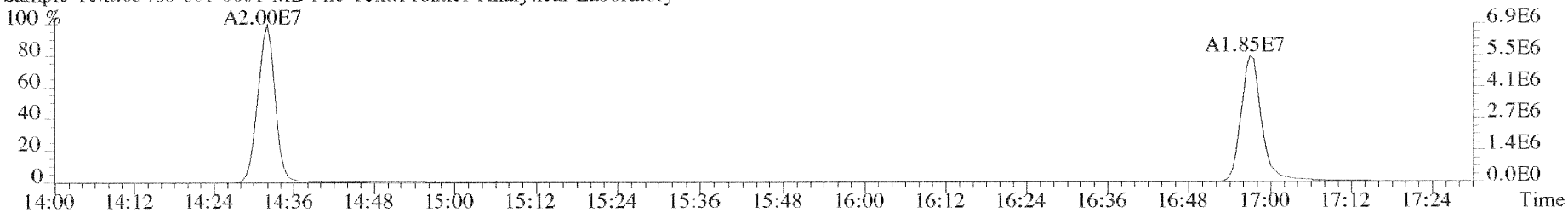
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



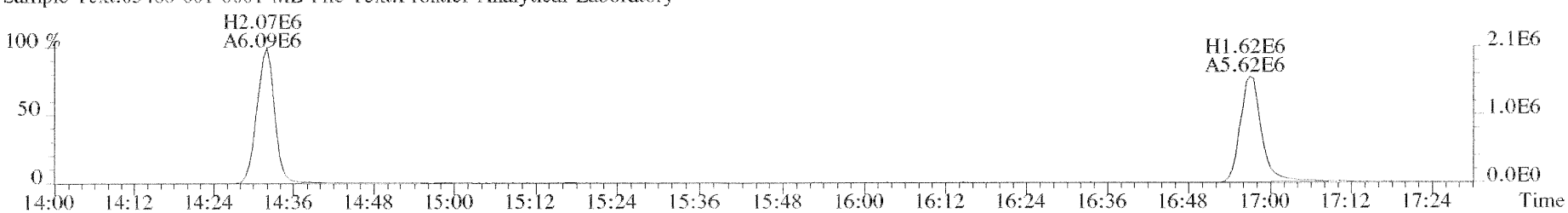
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



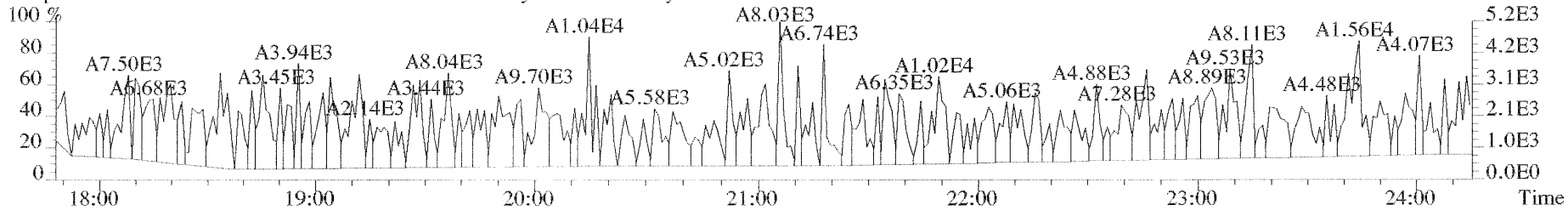
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



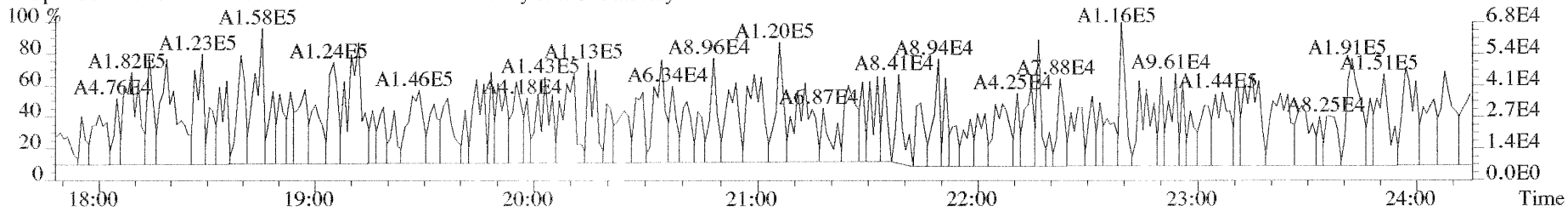
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



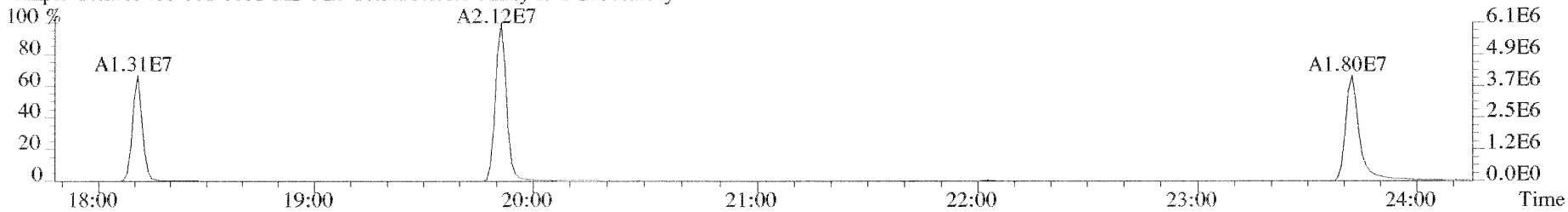
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



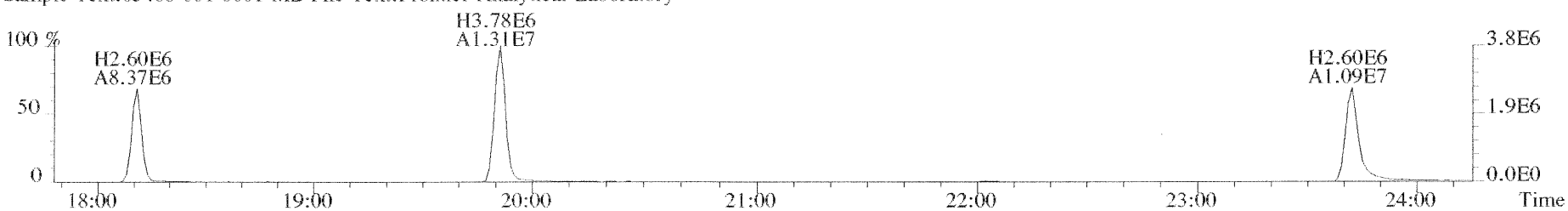
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



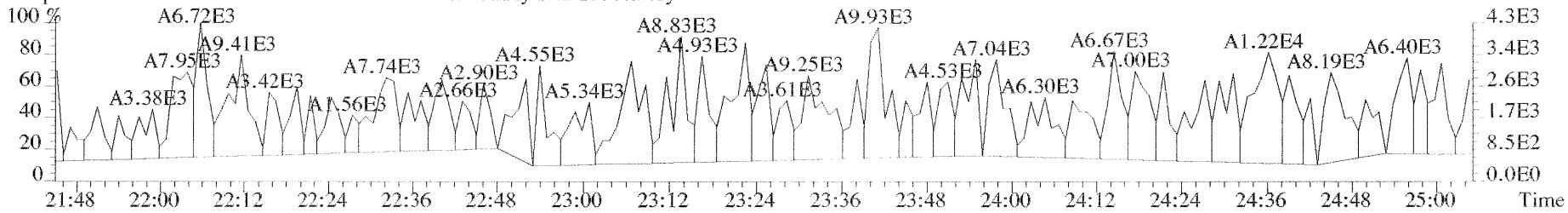
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



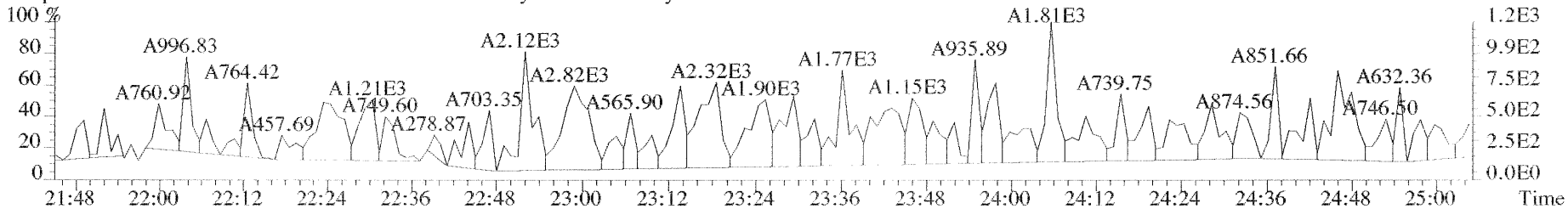
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



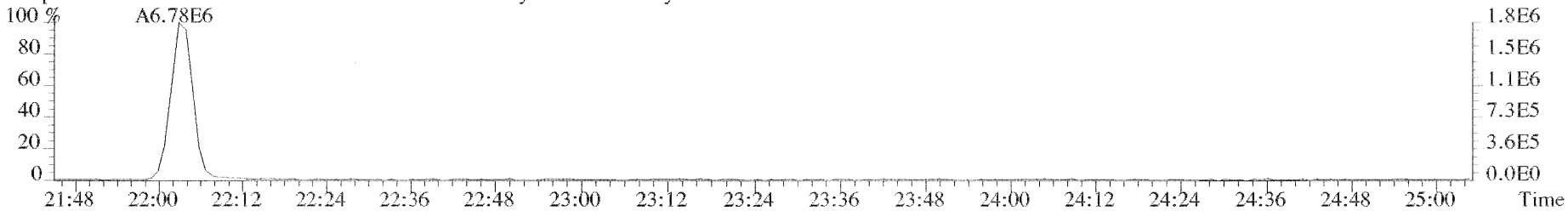
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



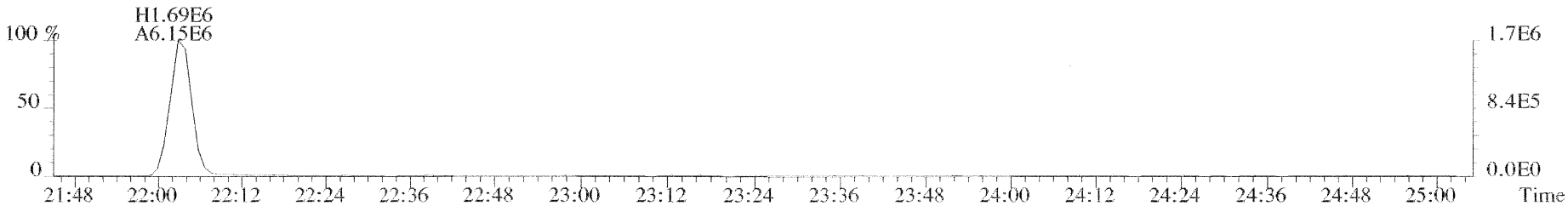
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



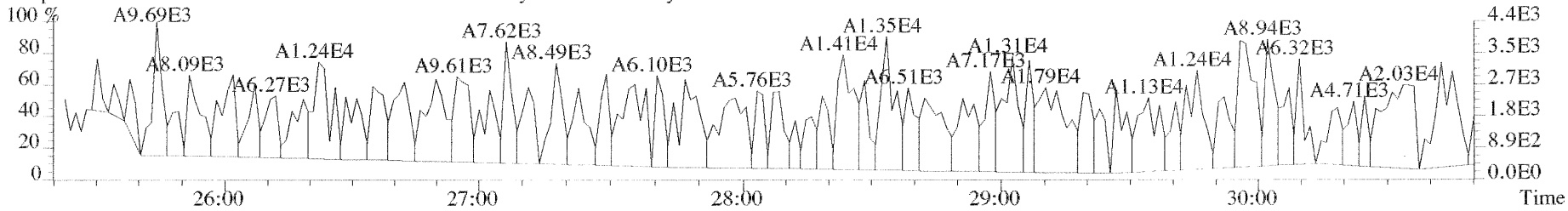
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



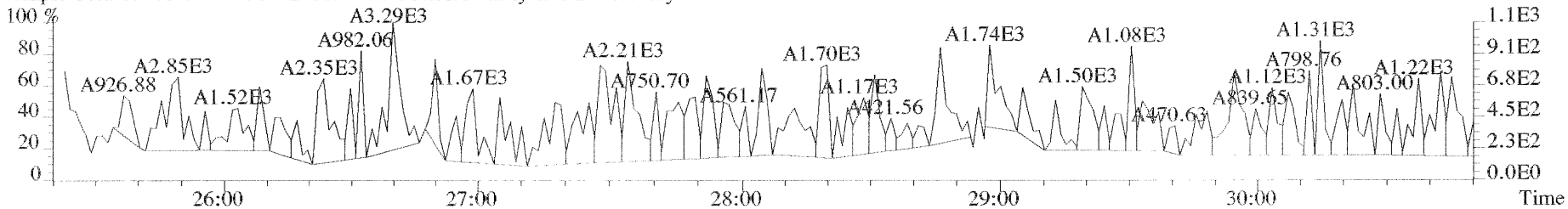
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



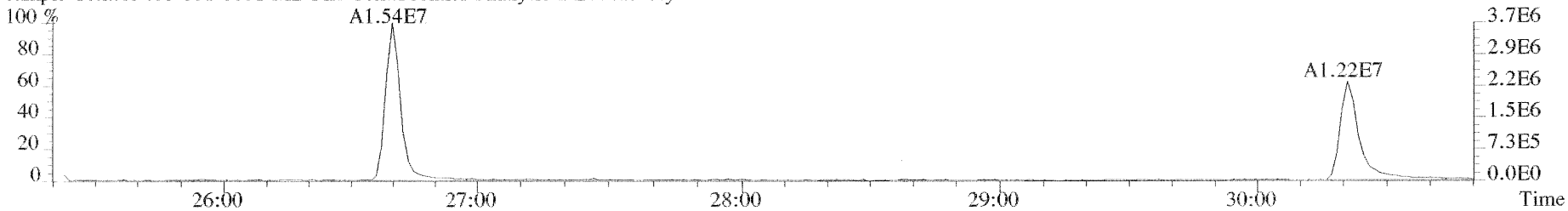
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



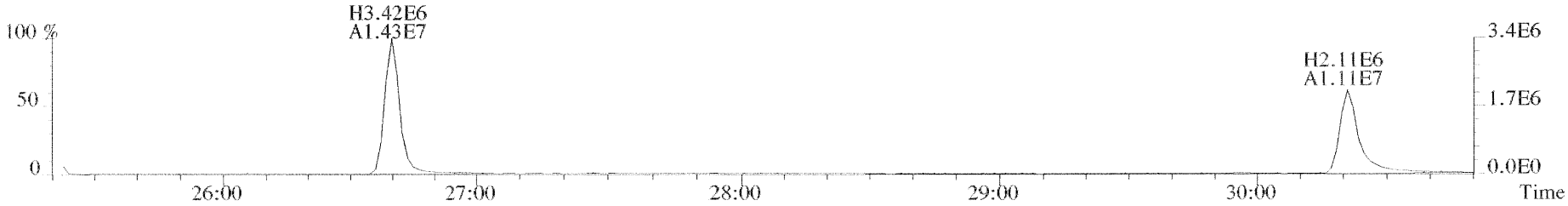
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



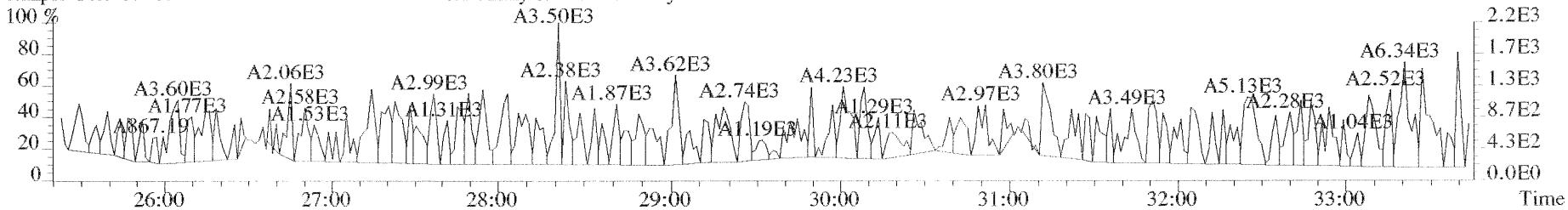
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



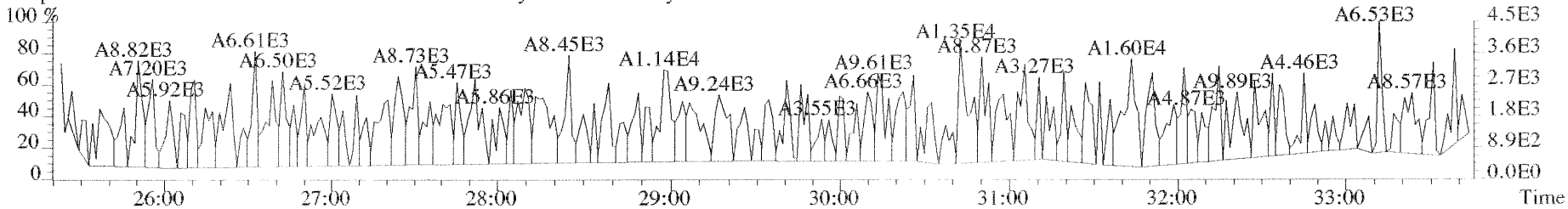
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



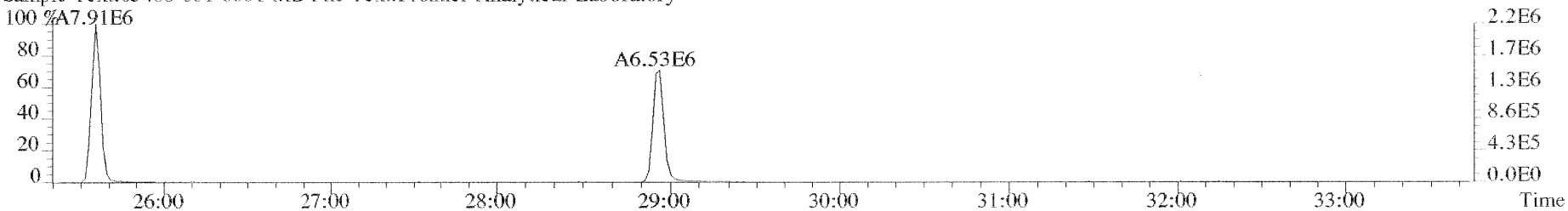
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



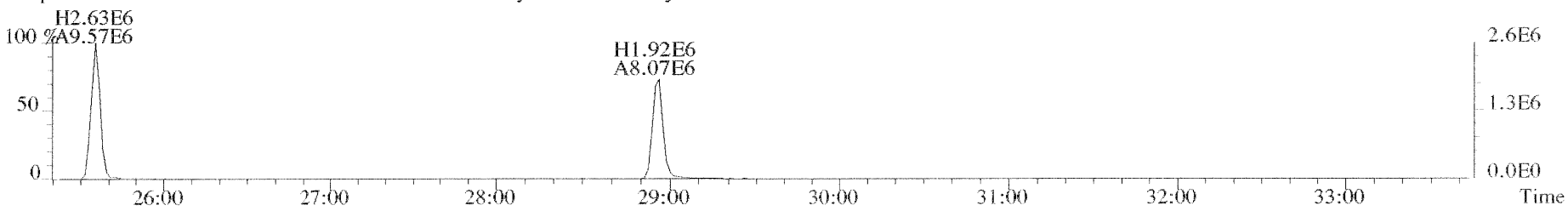
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



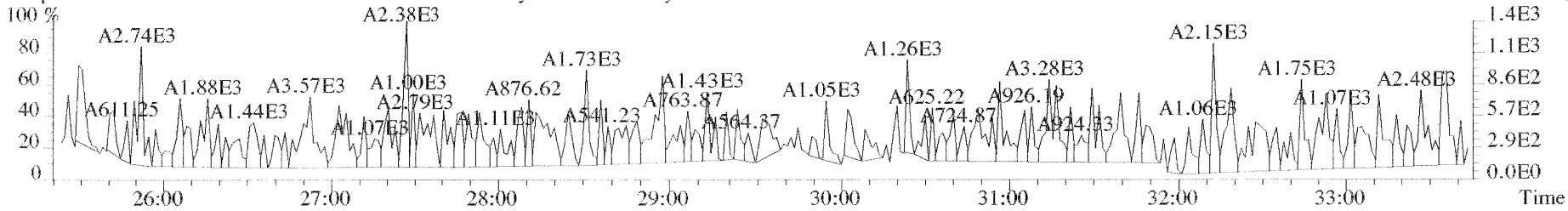
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



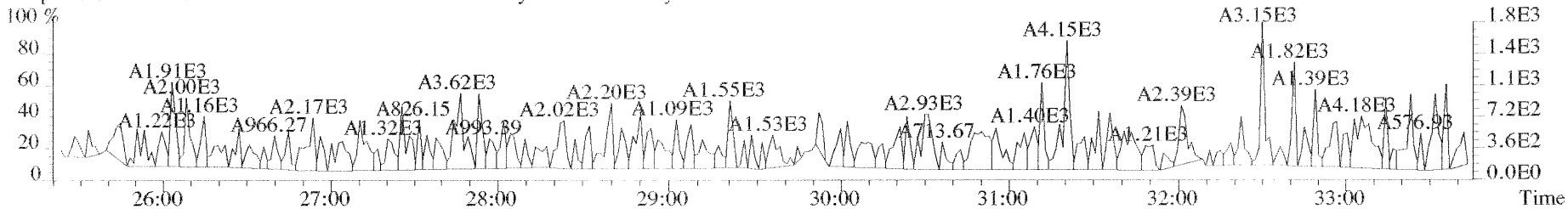
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



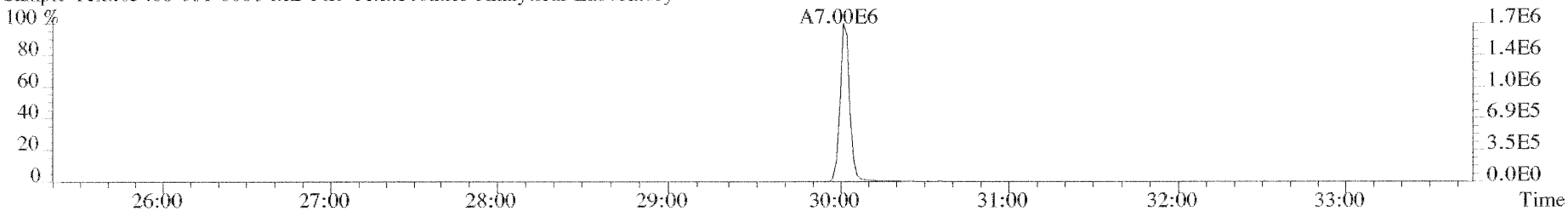
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



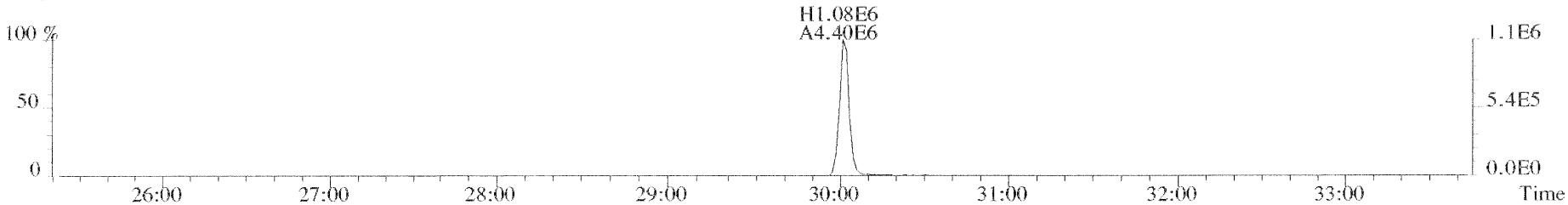
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



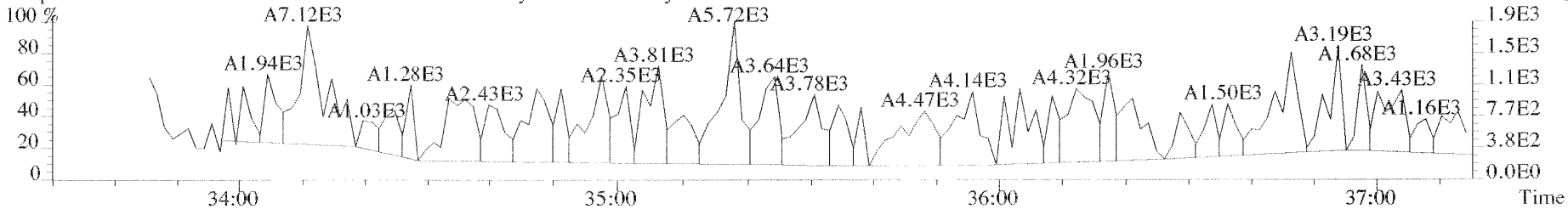
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



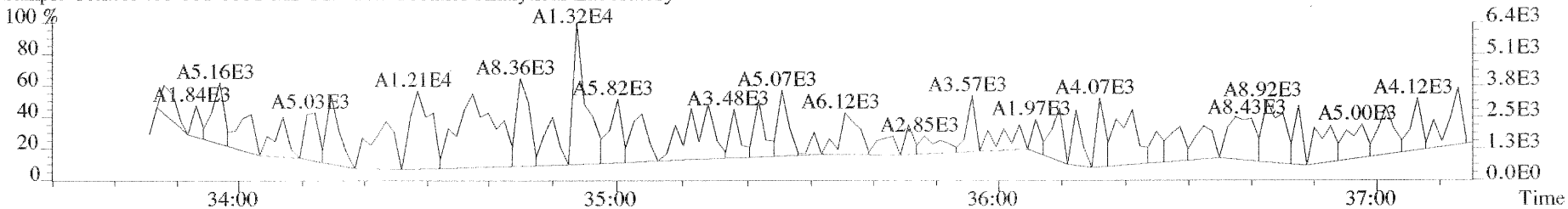
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



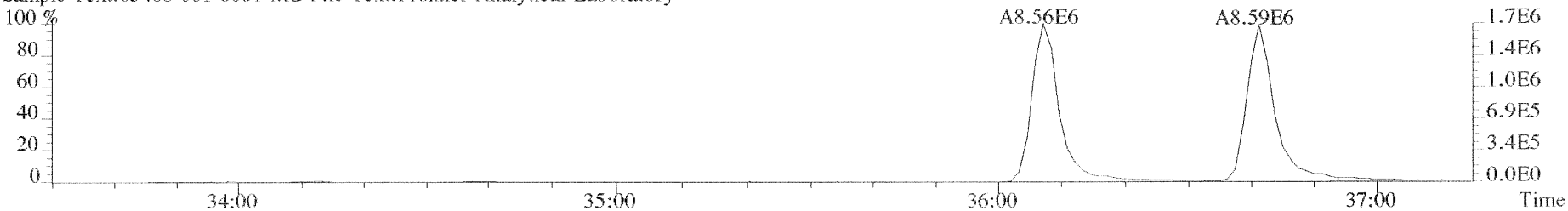
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



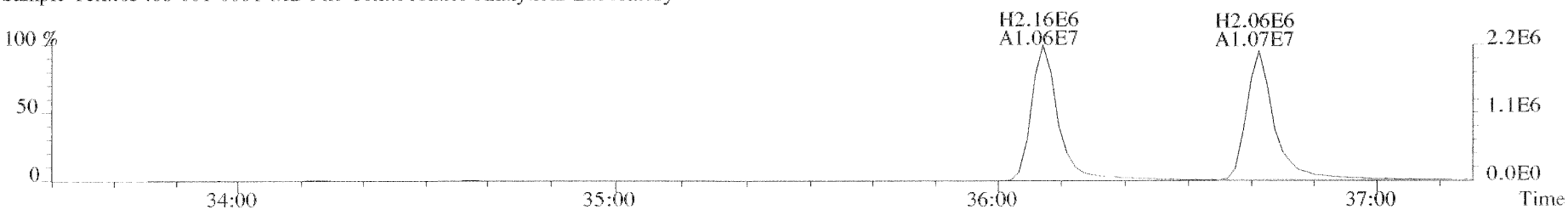
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



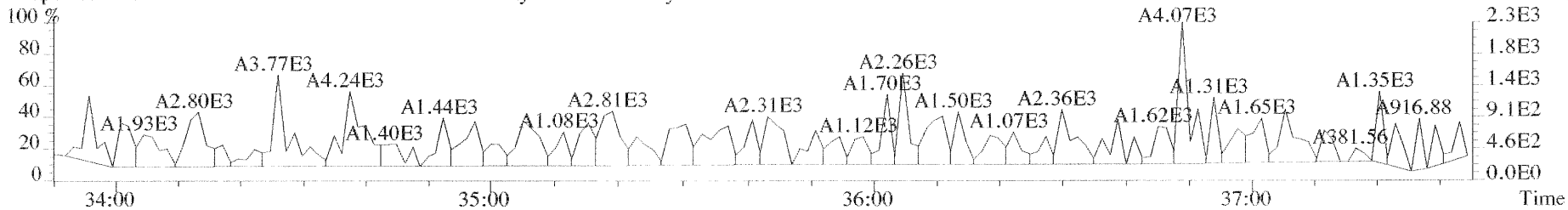
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



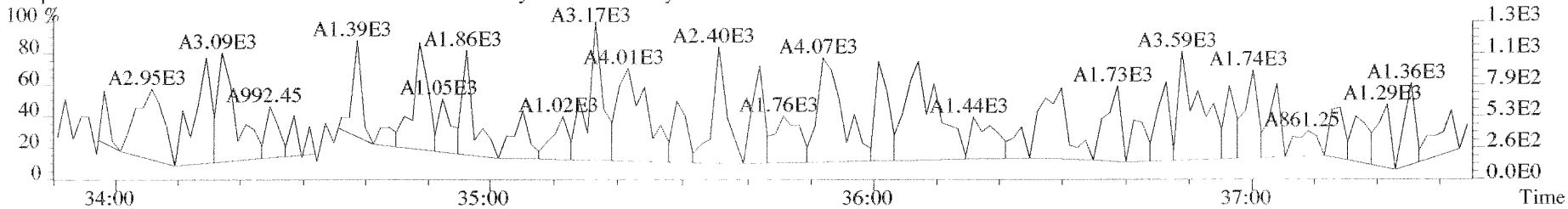
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



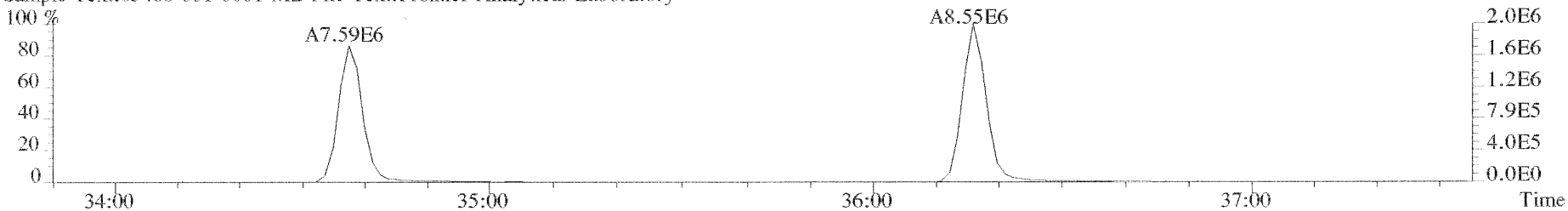
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



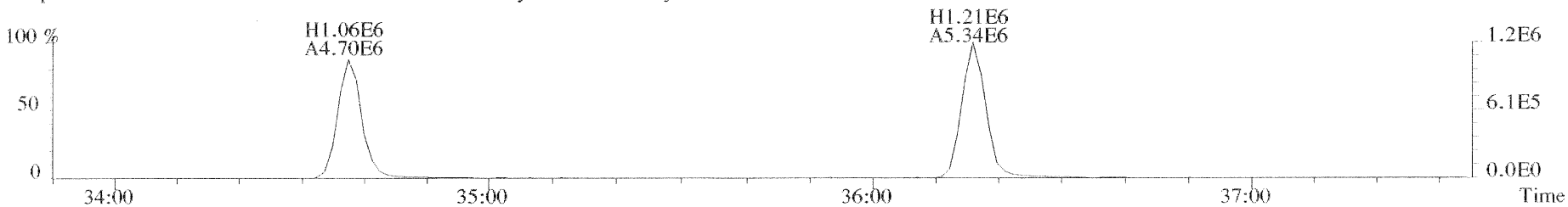
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



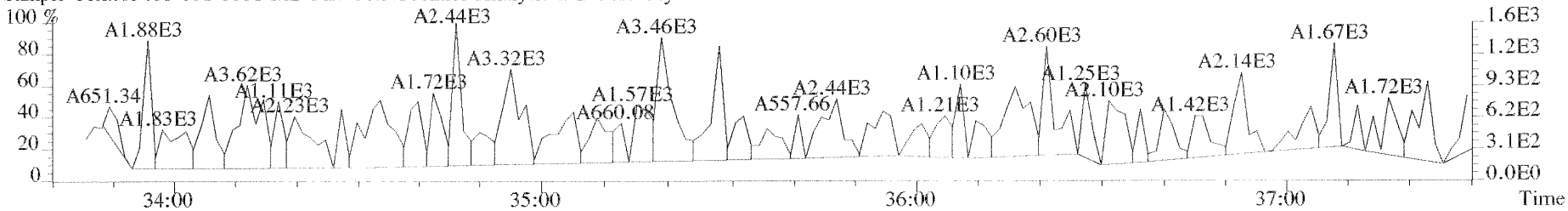
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



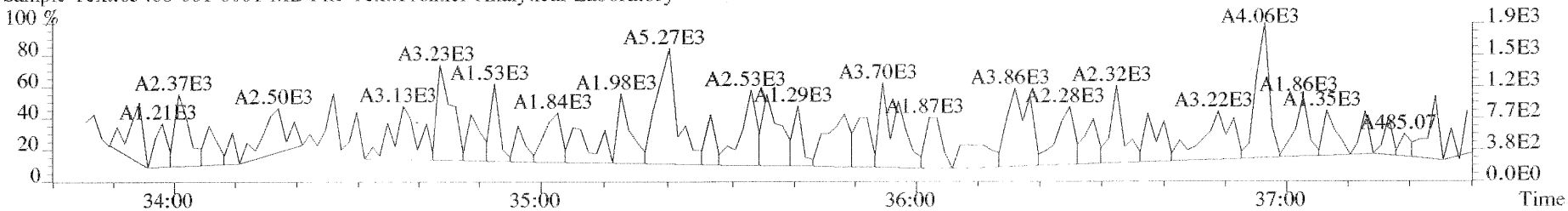
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



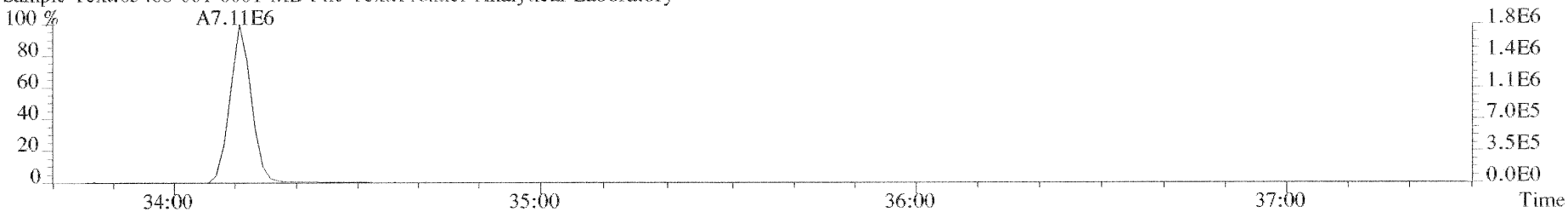
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



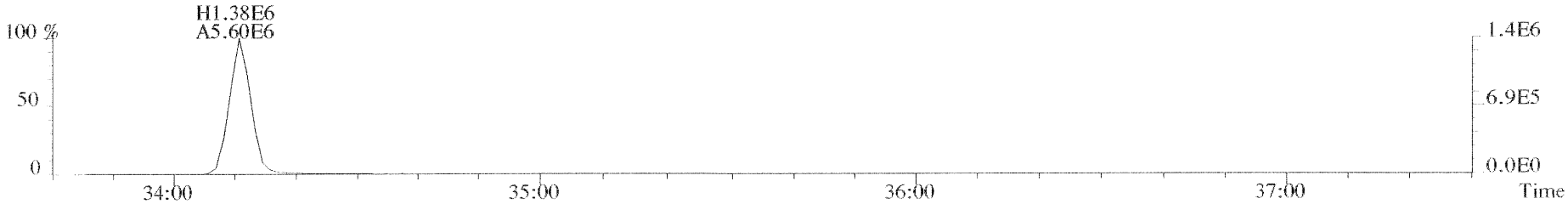
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



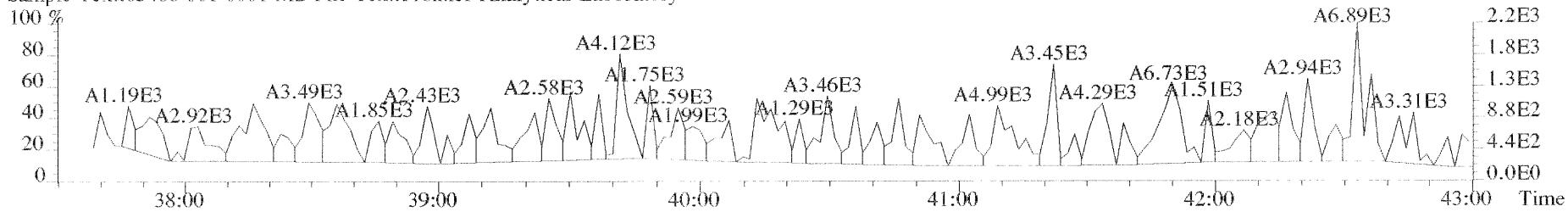
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



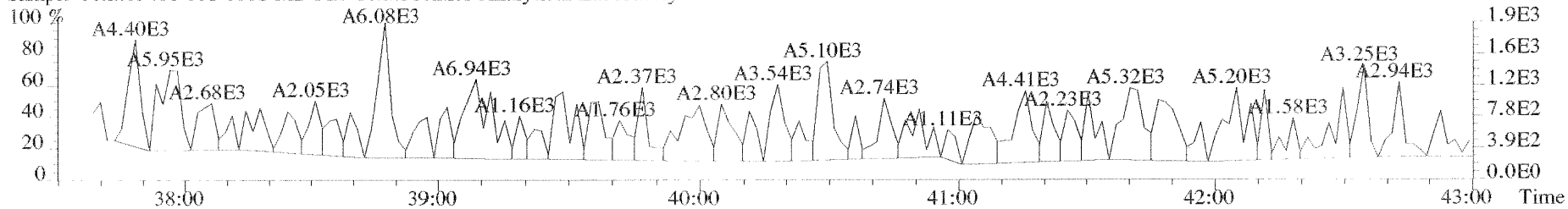
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



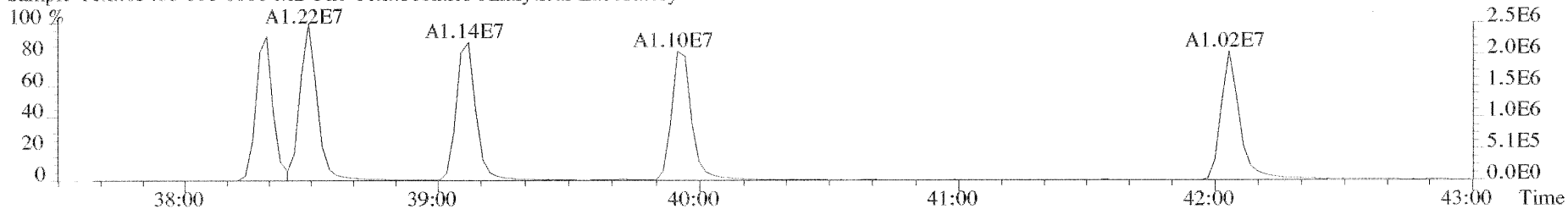
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



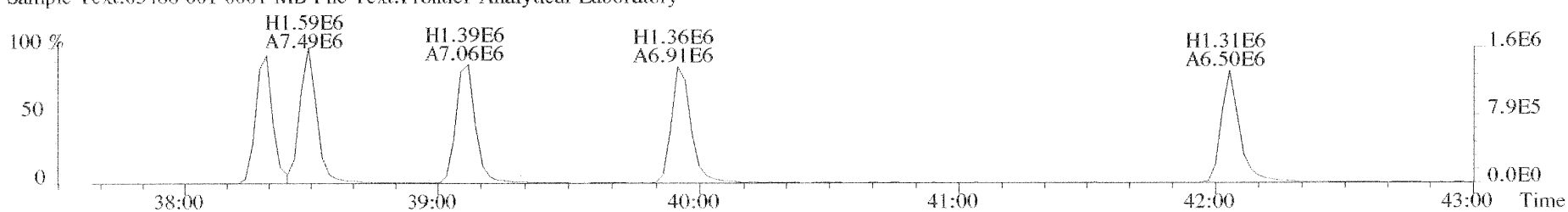
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



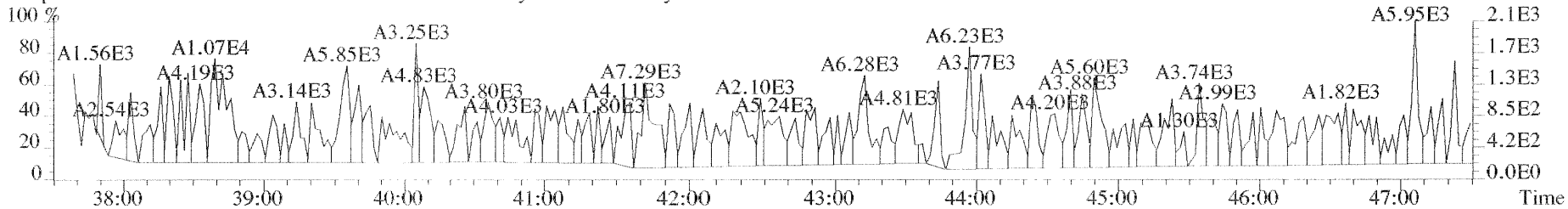
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



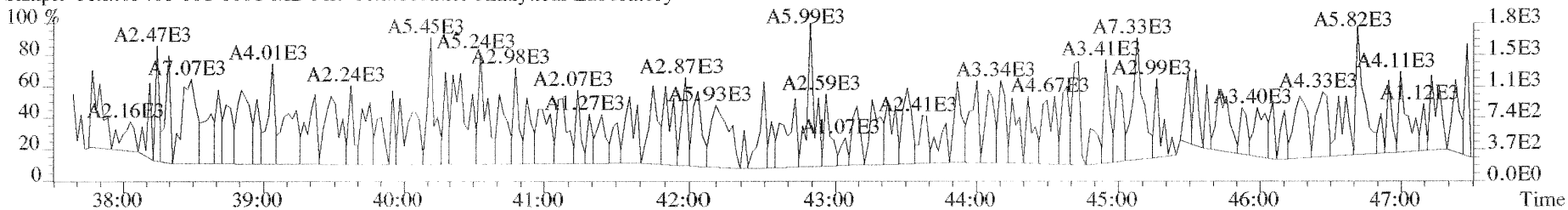
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



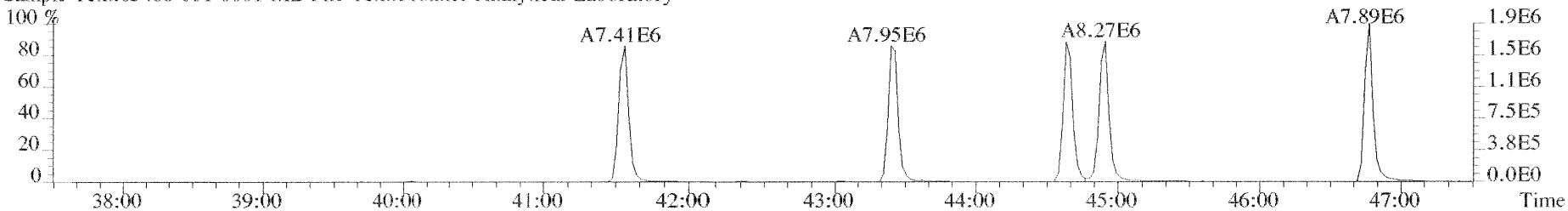
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



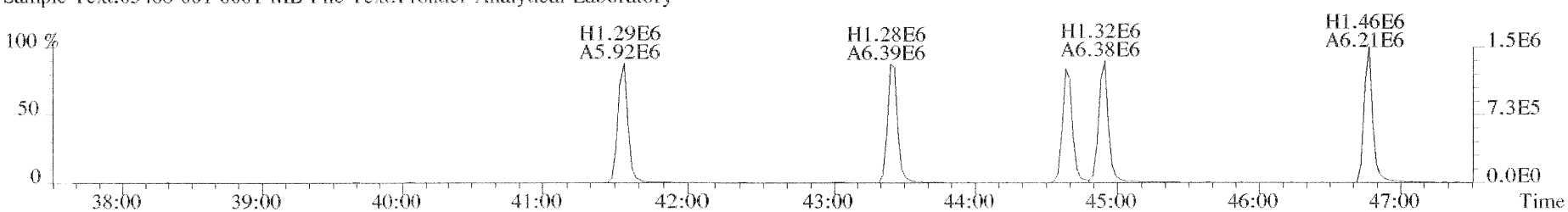
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



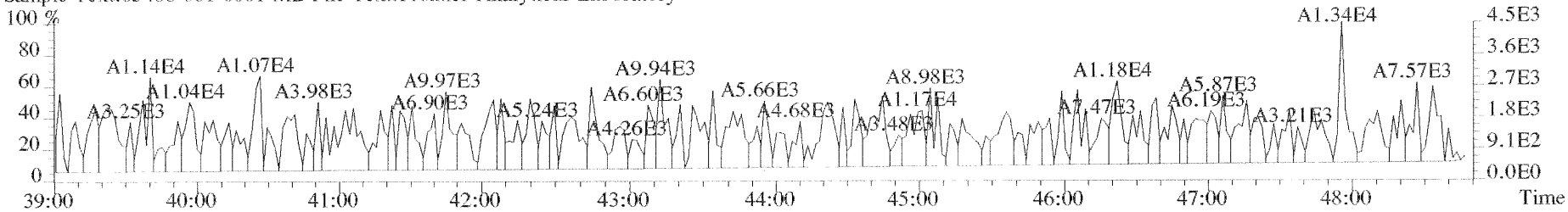
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



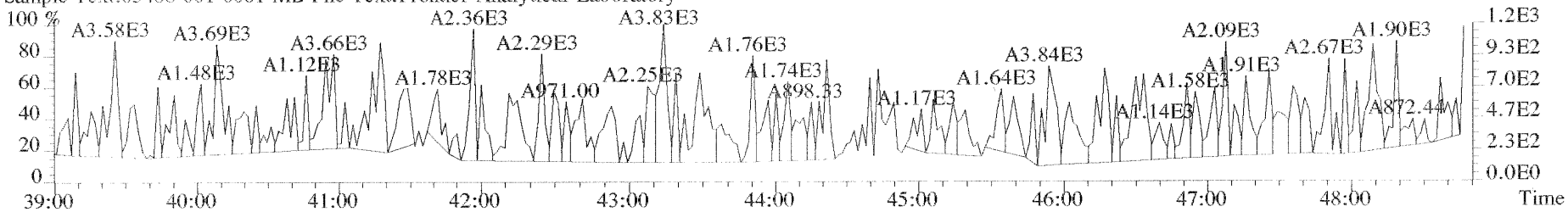
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



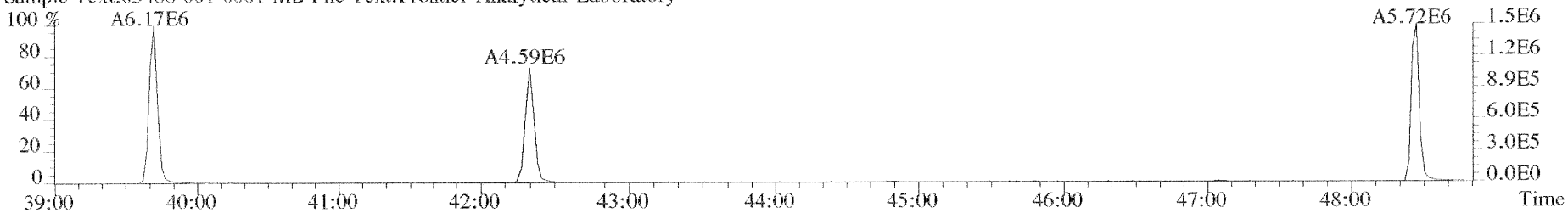
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



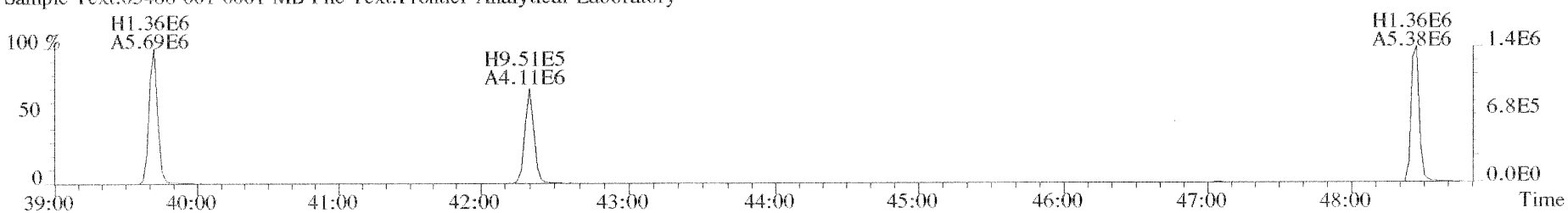
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



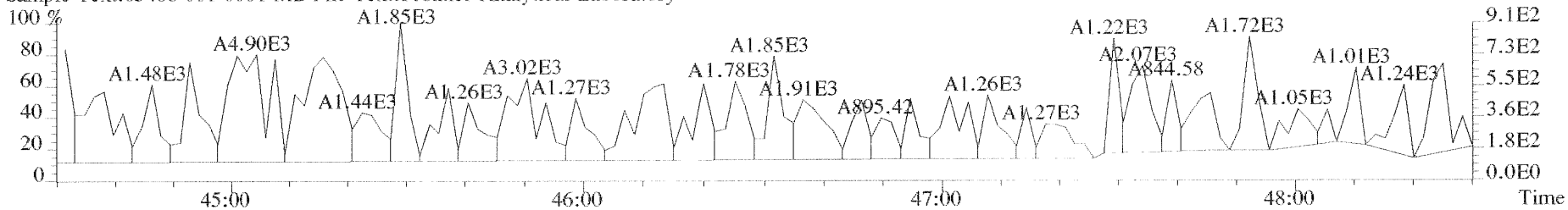
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



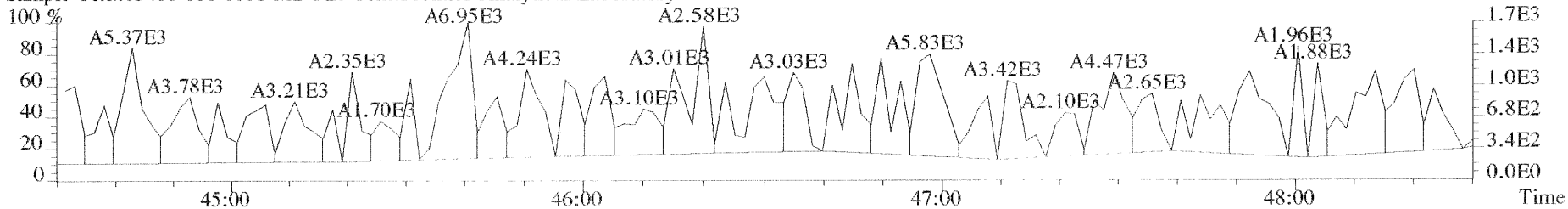
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



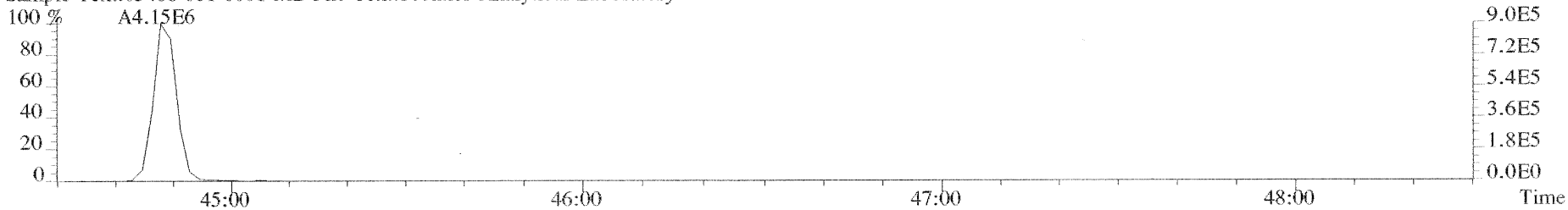
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



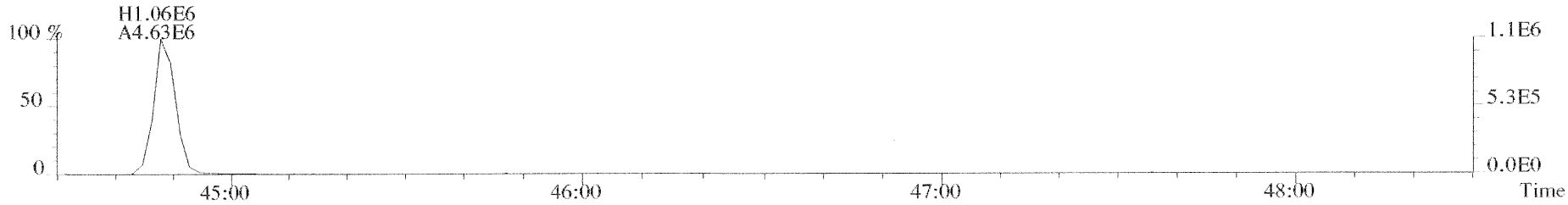
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



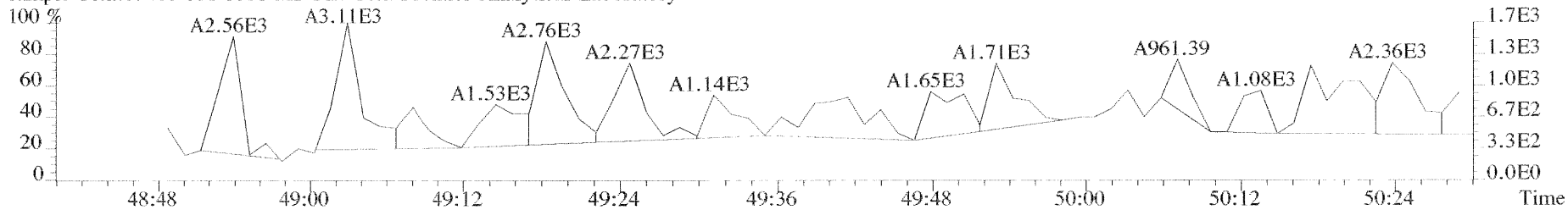
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



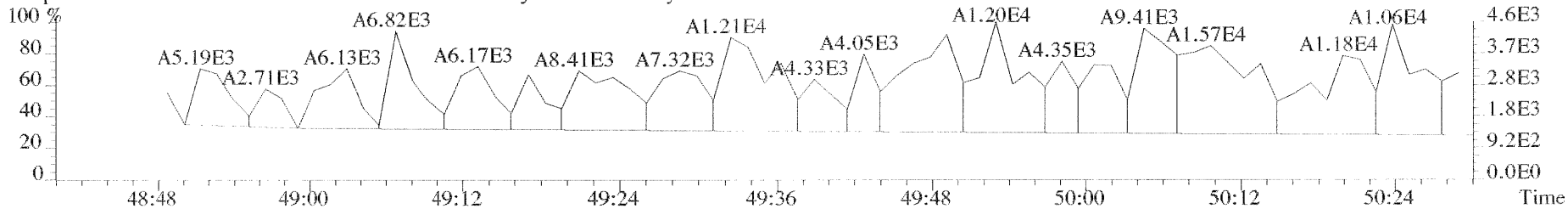
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



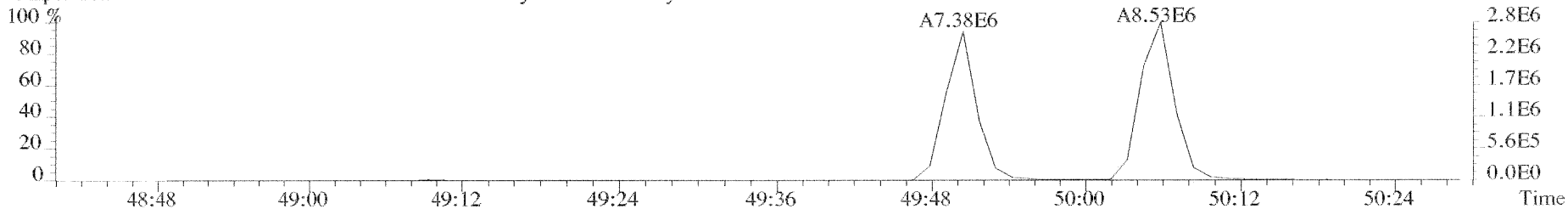
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



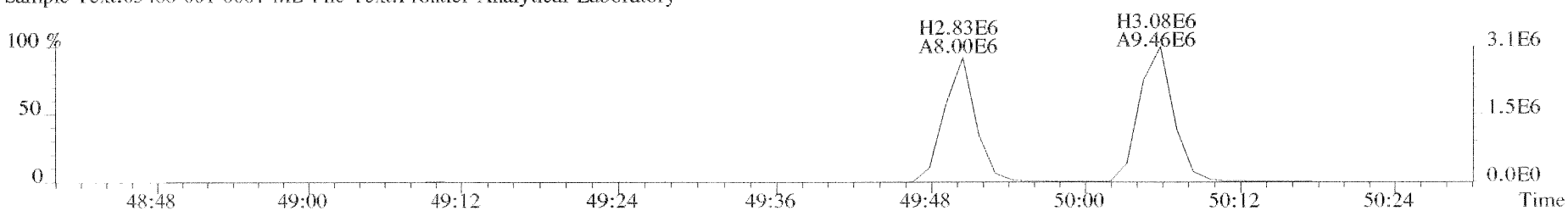
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



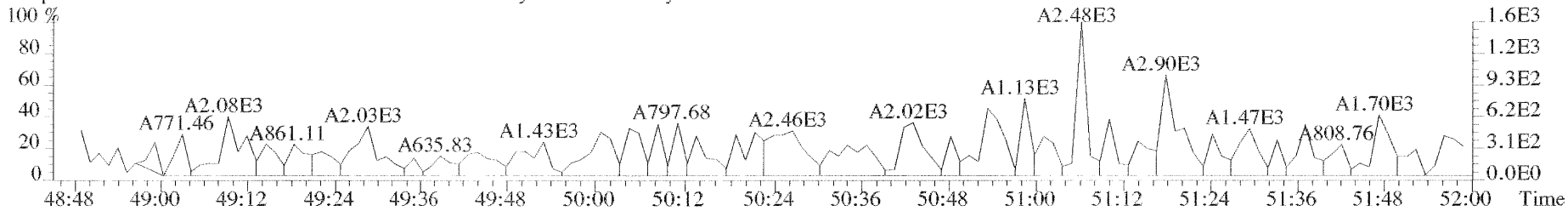
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



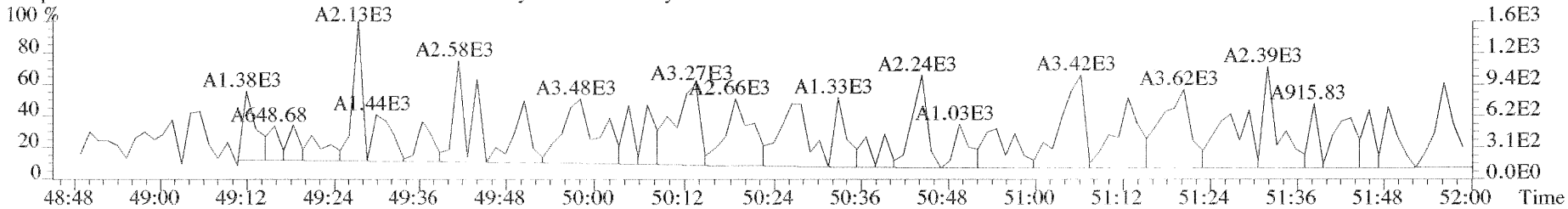
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



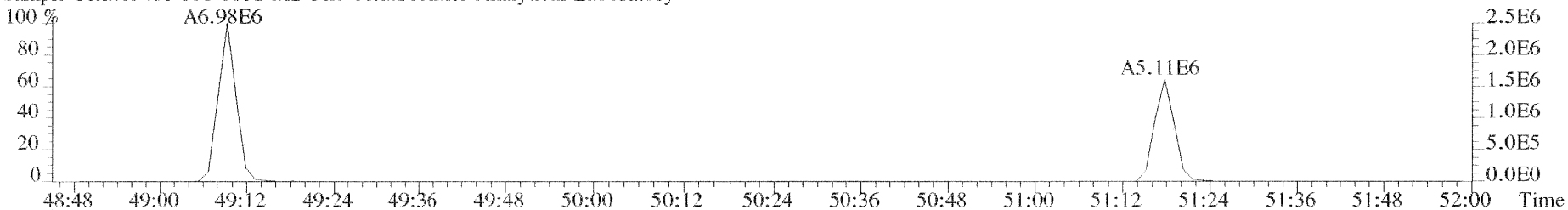
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



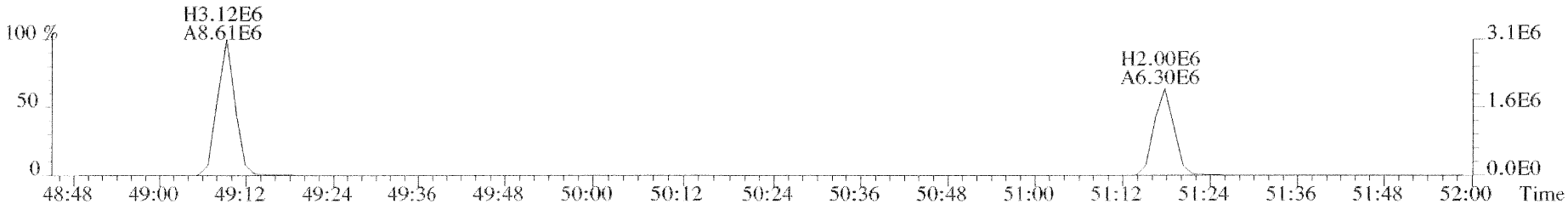
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



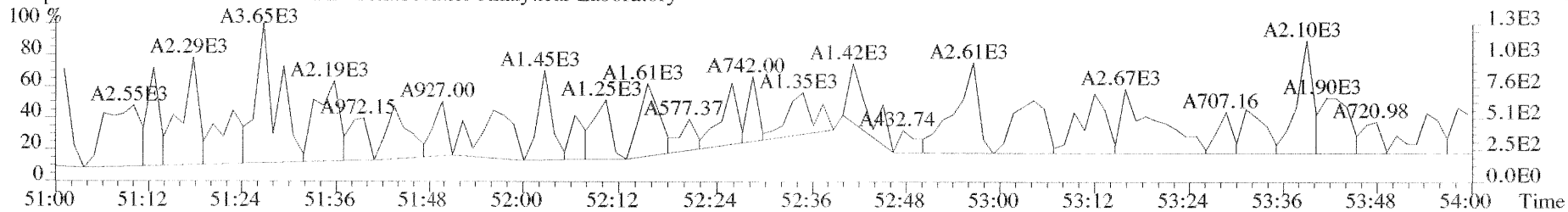
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



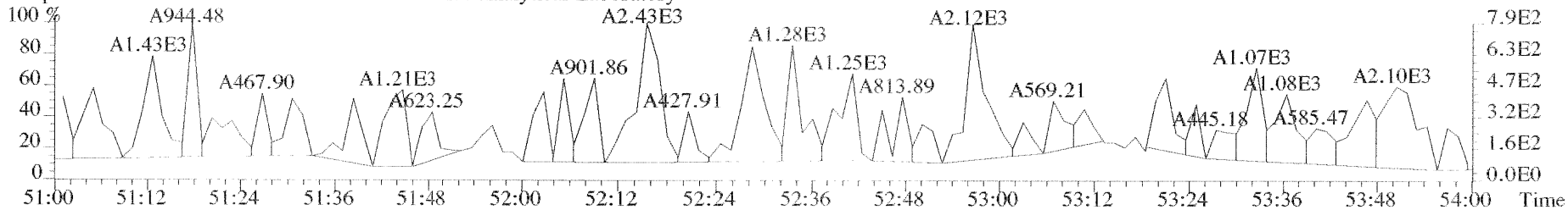
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



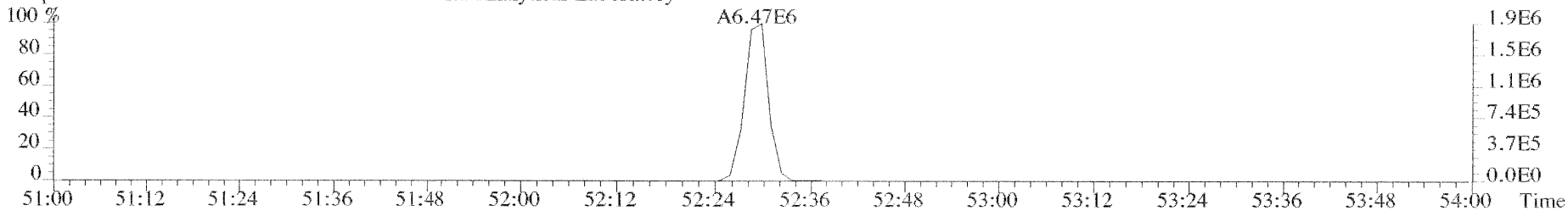
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



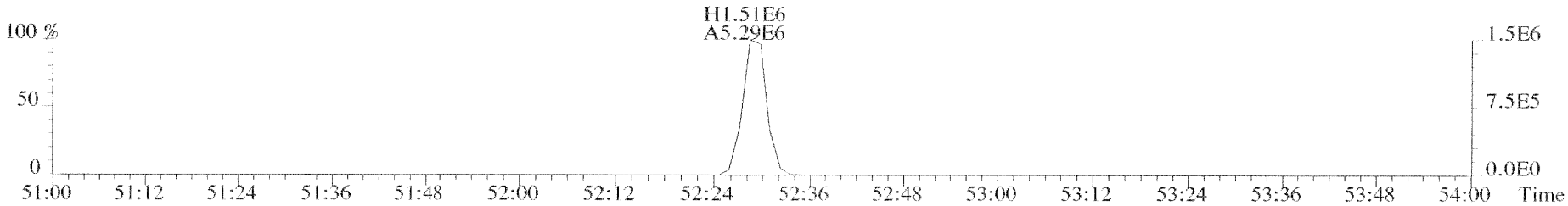
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 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:05488-001-0001-MB File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 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:05488-001-0001-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: 05488-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 23OCT20Z Sam:2

Ext. Date: 10/16/20 Shift: Day Analysis Date: 23-OCT-20 11:49:19

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	50.2	30.0 - 67.5
PCB-3	50	49.0	30.0 - 67.5
PCB-4	50	52.3	30.0 - 67.5
PCB-15	50	44.0	30.0 - 67.5
PCB-19	50	51.1	30.0 - 67.5
PCB-37	50	47.3	30.0 - 67.5
PCB-54	50	49.7	30.0 - 67.5
PCB-77	50	49.2	30.0 - 67.5
PCB-81	50	43.0	30.0 - 67.5
PCB-104	50	50.1	30.0 - 67.5
PCB-105	50	42.3	30.0 - 67.5
PCB-114	50	48.6	30.0 - 67.5
PCB-118	50	48.3	30.0 - 67.5
PCB-123	50	48.5	30.0 - 67.5
PCB-126	50	48.3	30.0 - 67.5
PCB-155	50	51.5	30.0 - 67.5
PCB-156	50	42.8	30.0 - 67.5
PCB-157	50	47.3	30.0 - 67.5
PCB-167	50	44.0	30.0 - 67.5
PCB-169	50	48.5	30.0 - 67.5
PCB-188	50	50.2	30.0 - 67.5
PCB-189	50	49.7	30.0 - 67.5
PCB-202	50	54.1	30.0 - 67.5
PCB-205	50	49.1	30.0 - 67.5
PCB-206	50	50.8	30.0 - 67.5
PCB-208	50	48.9	30.0 - 67.5
PCB-209	50	50.0	30.0 - 67.5

Analyst: _____ Date: 10/07/20

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05488-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 23OCT20Z Sam:2

Ext. Date: 10/16/20 Shift: Day Analysis Date: 23-OCT-20 11:49:19

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	80.1	15.0 - 145
13C-PCB-3	100	81.5	15.0 - 145
13C-PCB-4	100	86.5	15.0 - 145
13C-PCB-15	100	82.2	15.0 - 145
13C-PCB-19	100	81.2	15.0 - 145
13C-PCB-37	100	89.4	15.0 - 145
13C-PCB-54	100	90.0	15.0 - 145
13C-PCB-77	100	85.3	40.0 - 145
13C-PCB-81	100	85.0	40.0 - 145
13C-PCB-104	100	83.0	40.0 - 145
13C-PCB-105	100	84.5	40.0 - 145
13C-PCB-114	100	86.3	40.0 - 145
13C-PCB-118	100	83.0	40.0 - 145
13C-PCB-123	100	86.4	40.0 - 145
13C-PCB-126	100	86.1	40.0 - 145
13C-PCB-155	100	82.6	40.0 - 145
13C-PCB-156	100	90.7	40.0 - 145
13C-PCB-157	100	92.5	40.0 - 145
13C-PCB-167	100	89.1	40.0 - 145
13C-PCB-169	100	98.1	40.0 - 145
13C-PCB-188	100	81.5	40.0 - 145
13C-PCB-189	100	96.7	40.0 - 145
13C-PCB-202	100	84.7	40.0 - 145
13C-PCB-205	100	86.1	40.0 - 145
13C-PCB-206	100	84.1	40.0 - 145
13C-PCB-208	100	83.5	40.0 - 145
13C-PCB-209	100	84.4	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	93.2	15.0 - 145
13C-PCB-111	100	85.1	40.0 - 145
13C-PCB-178	100	86.1	40.0 - 145

Analyst: _____ Date: 10/27/20

FAL ID: 05488-001-0001-OPR Filename: 23OCT20Z Sam:2 Acquired: 23-OCT-20 11:49:19 ICal: DAILY209FAL4-10-23-20 1 of 2
Client ID: OPR ConCal: ST102320Z1 EndCal: ST102320Z2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

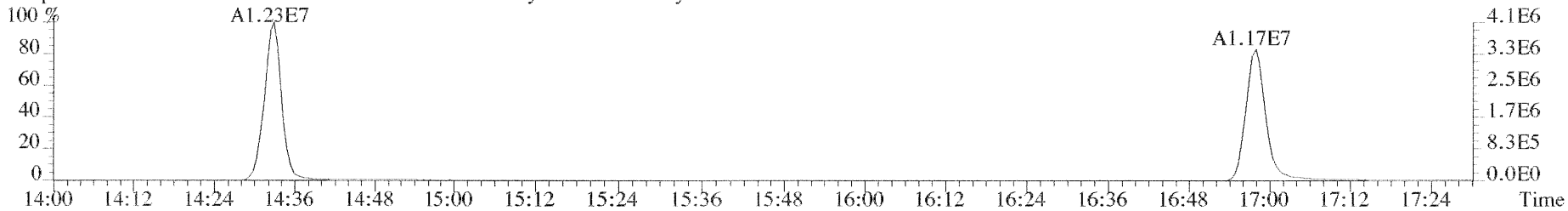
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.62e+07	3.18 y	14:33	1.35	50.2		2.50	-	-	*	
13C-PCB-1	2.38e+07	3.17 y	14:32	0.94	80.1		2.50				80.1
PCB-3	1.54e+07	3.18 y	16:58	1.39	49.0		2.50	-	-	*	
13C-PCB-3	2.26e+07	3.33 y	16:57	0.88	81.5		2.50				81.5
PCB-4	1.16e+07	1.45 y	18:12	1.16	52.3		2.50	-	-	*	
13C-PCB-4	1.91e+07	1.58 y	18:11	0.70	86.5		2.50				86.5
PCB-15	1.50e+07	1.56 y	23:43	1.30	44.0		2.50	-	-	*	
13C-PCB-15	2.63e+07	1.62 y	23:42	1.01	82.2		2.50				82.2
PCB-19	7.95e+06	1.09 y	22:05	1.29	51.1		2.50	-	-	*	
13C-PCB-19	1.21e+07	1.10 y	22:03	0.47	81.2		2.50				81.2
13C-PCB-9	3.16e+07	1.61 y	19:51	-	68.1		2.50				
PCB-37	1.23e+07	1.02 y	30:22	1.21	47.3		2.50	-	-	*	
13C-PCB-37	2.14e+07	1.10 y	30:21	1.77	89.4		2.50				89.4
PCB-54	1.08e+07	0.80 y	25:36	1.36	49.7		2.50	-	-	*	
13C-PCB-54	1.60e+07	0.83 y	25:35	1.32	90.0		2.50				90.0
PCB-104	6.65e+06	1.60 y	30:03	1.23	50.1		2.50	-	-	*	
13C-PCB-104	1.08e+07	1.58 y	30:01	0.96	83.0		2.50				83.0
13C-PCB-28	2.68e+07	1.09 y	26:40	2.13	93.2		2.50				93.2
13C-PCB-52	1.35e+07	0.83 y	28:56	-	62.5		2.50				
PCB-81	1.02e+07	0.79 y	36:08	1.41	43.0		2.50	-	-	*	
13C-PCB-81	1.68e+07	0.81 y	36:07	1.78	85.0		2.50				85.0
PCB-77	9.99e+06	0.77 y	36:42	1.17	49.2		2.50	-	-	*	
13C-PCB-77	1.74e+07	0.82 y	36:41	1.84	85.3		2.50				85.3
PCB-155	6.81e+06	1.24 y	34:12	1.14	51.5		2.50	-	-	*	
13C-PCB-155	1.16e+07	1.29 y	34:11	1.26	82.6		2.50				82.6
13C-PCB-111	1.25e+07	1.62 y	36:16	1.32	85.1		2.50				85.1
13C-PCB-101	1.11e+07	1.63 y	34:37	-	63.1		2.50				
PCB-123	9.07e+06	1.51 y	38:19	1.19	48.5		2.50	-	-	*	
13C-PCB-123	1.57e+07	1.55 y	38:19	1.42	86.4		2.50				86.4
PCB-118	9.90e+06	1.54 y	38:31	1.22	48.3		2.50	-	-	*	
13C-PCB-118	1.68e+07	1.58 y	38:29	1.59	83.0		2.50				83.0
PCB-114	9.47e+06	1.53 y	39:07	1.18	48.6		2.50	-	-	*	
13C-PCB-114	1.65e+07	1.60 y	39:05	1.50	86.3		2.50				86.3
PCB-105	9.40e+06	1.55 y	39:56	1.36	42.3		2.50	-	-	*	
13C-PCB-105	1.64e+07	1.61 y	39:55	1.52	84.5		2.50				84.5
PCB-126	8.87e+06	1.57 y	42:05	1.23	48.3		2.50	-	-	*	
13C-PCB-126	1.49e+07	1.62 y	42:03	1.36	86.1		2.50				86.1
PCB-167	7.68e+06	1.24 y	43:25	1.33	44.0		2.50	-	-	*	
13C-PCB-167	1.31e+07	1.26 y	43:24	1.16	89.1		2.50				89.1
PCB-156	7.80e+06	1.27 y	44:39	1.40	42.8		2.50	-	-	*	
13C-PCB-156	1.31e+07	1.29 y	44:38	1.13	90.7		2.50				90.7
PCB-157	8.05e+06	1.23 y	44:54	1.26	47.3		2.50	-	-	*	
13C-PCB-157	1.35e+07	1.23 y	44:54	1.14	92.5		2.50				92.5
PCB-169	7.70e+06	1.27 y	46:46	1.22	48.5		2.50	-	-	*	
13C-PCB-169	1.30e+07	1.25 y	46:46	1.04	98.1		2.50				98.1
PCB-188	6.63e+06	1.05 y	39:42	1.19	50.2		2.50	-	-	*	
13C-PCB-188	1.11e+07	1.04 y	39:42	1.06	81.5		2.50				81.5
PCB-189	6.16e+06	1.06 y	48:27	1.16	49.7		2.50	-	-	*	
13C-PCB-189	1.06e+07	1.04 y	48:27	0.86	96.7		2.50				96.7
PCB-202	4.99e+06	0.89 y	44:49	1.11	54.1		2.50	-	-	*	
13C-PCB-202	8.27e+06	0.91 y	44:48	0.77	84.7		2.50				84.7
13C-PCB-178	8.31e+06	1.06 y	42:20	0.76	86.1		2.50				86.1
13C-PCB-138	1.28e+07	1.26 y	41:33	-	64.3		2.50				

FAL ID: 05488-001-0001-OPR Filename: 23OCT20Z Sam:2 Acquired: 23-OCT-20 11:49:19 ICal: DAILY209FAL4-10-23-202 of 2
Client ID: OPR ConCal: ST102320Z1 EndCal: ST102320Z2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

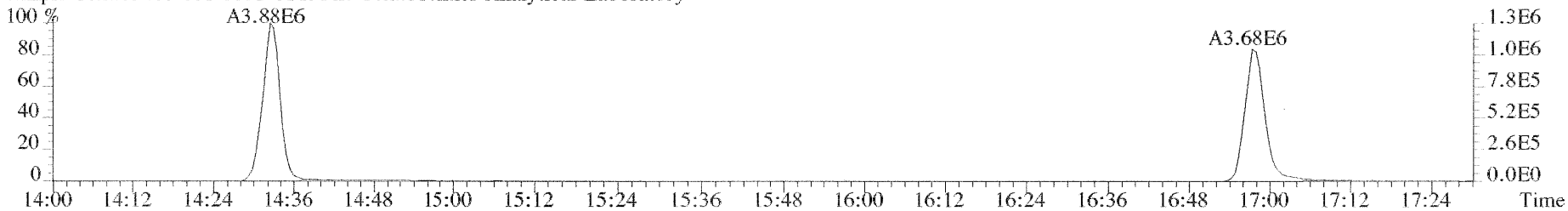
PCB-205	9.37e+06	0.91	y	50:06	1.17	49.1	2.50	-	-	*	
13C-PCB-205	1.63e+07	0.89	y	50:06	1.30	86.1	2.50				86.1
PCB-208	7.73e+06	1.34	y	49:10	1.16	48.9	2.50	-	-	*	
13C-PCB-208	1.36e+07	0.81	y	49:09	1.13	83.5	2.50				83.5
PCB-206	6.16e+06	1.36	y	51:19	1.17	50.8	2.50	-	-	*	
13C-PCB-206	1.04e+07	0.81	y	51:18	0.85	84.1	2.50				84.1
PCB-209	6.64e+06	1.19	y	52:29	1.24	50.0	2.50	-	-	*	
13C-PCB-209	1.07e+07	1.23	y	52:29	0.88	84.4	2.50				84.4
13C-PCB-194	1.45e+07	0.90	y	49:50	-	73.1	2.50				

Analyst: _____ Date: 10/27/20

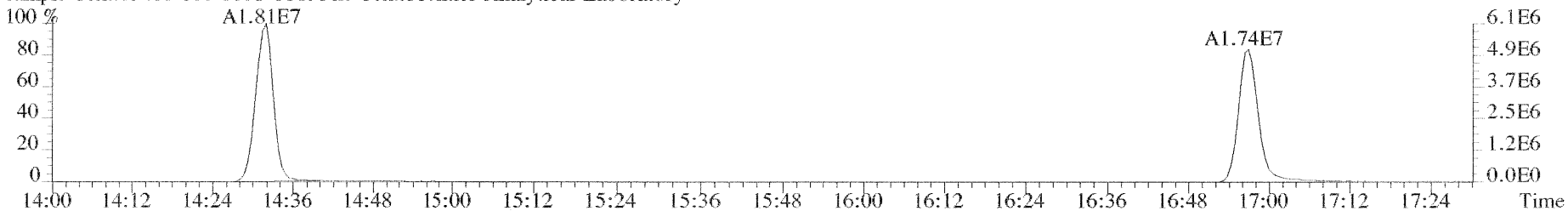
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



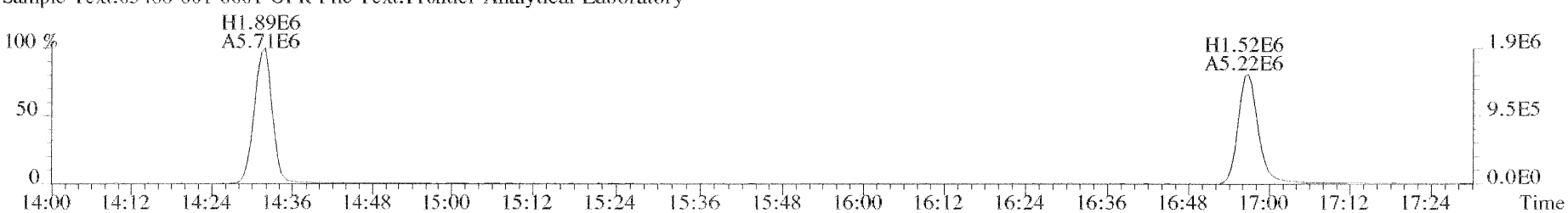
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



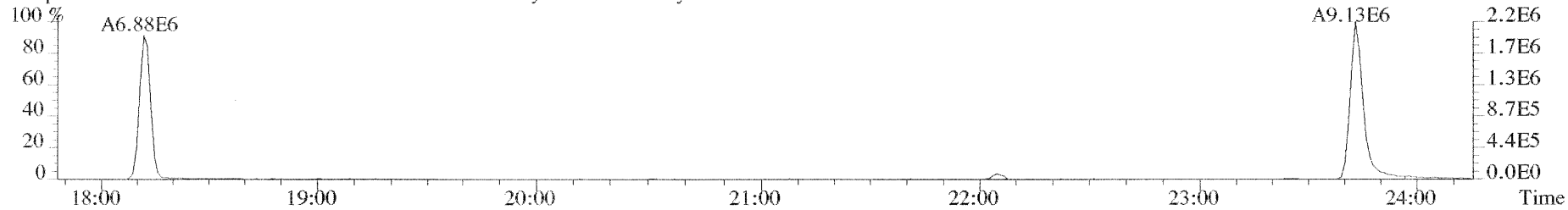
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



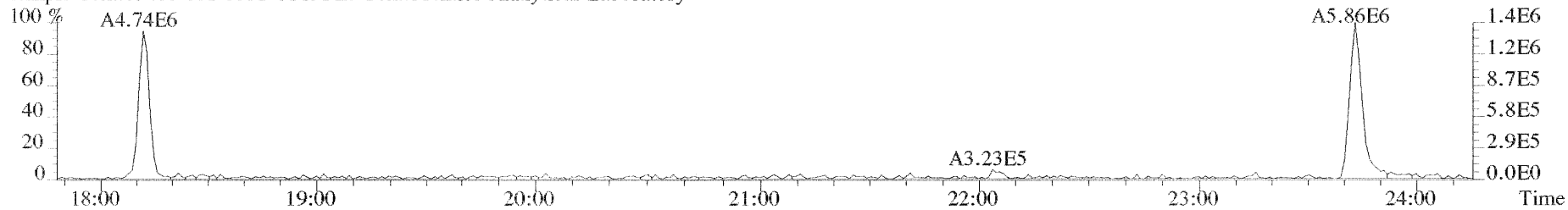
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



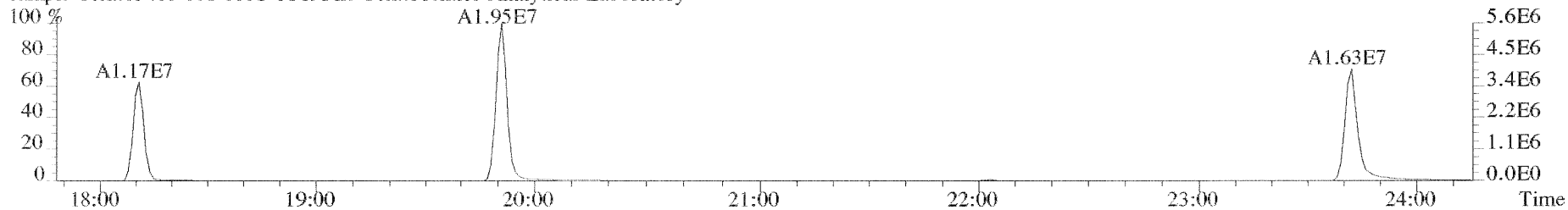
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



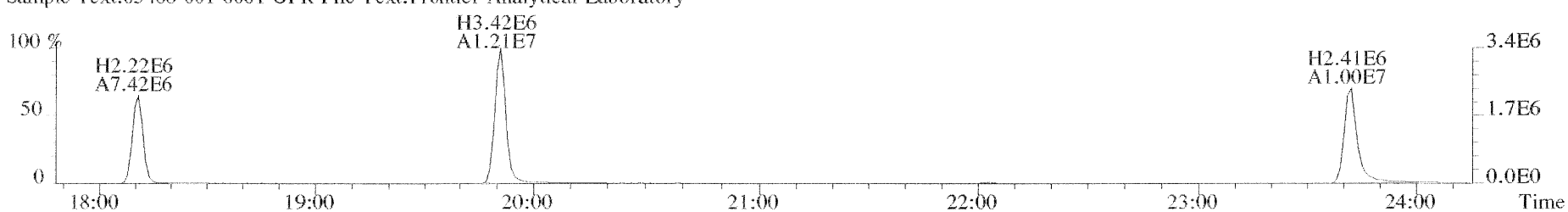
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



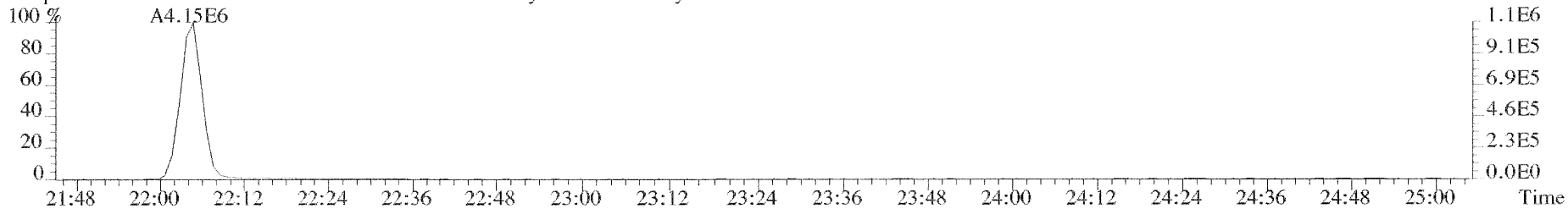
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



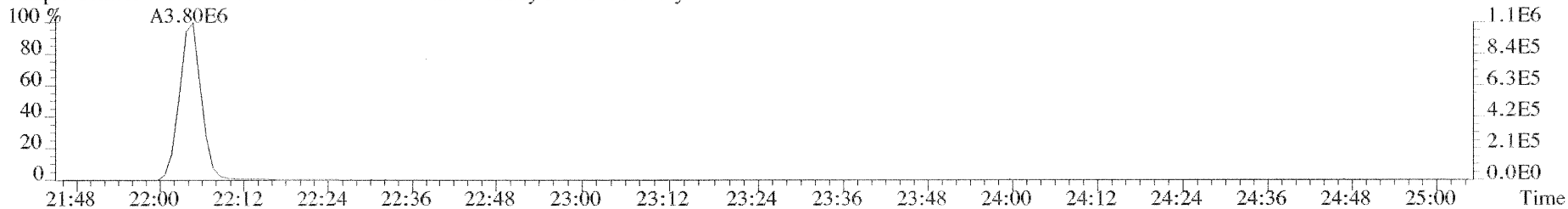
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



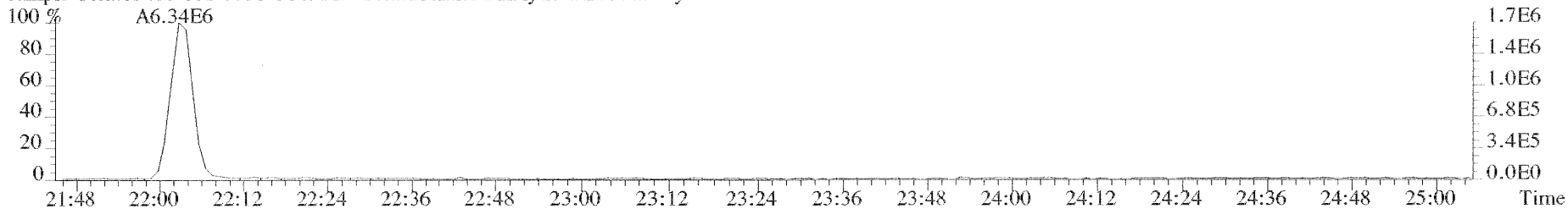
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



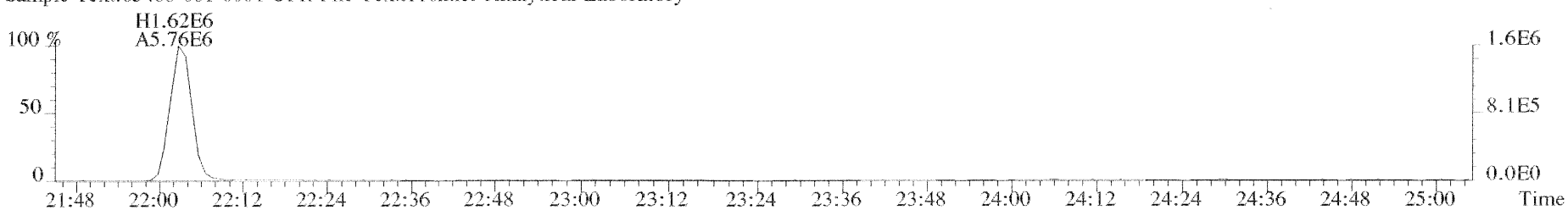
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



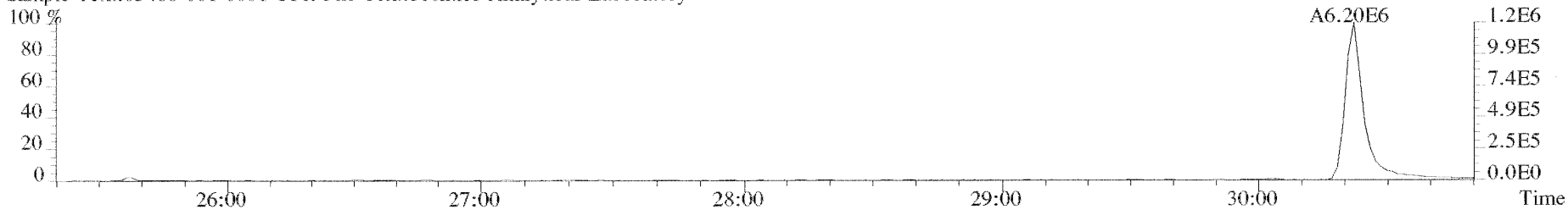
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



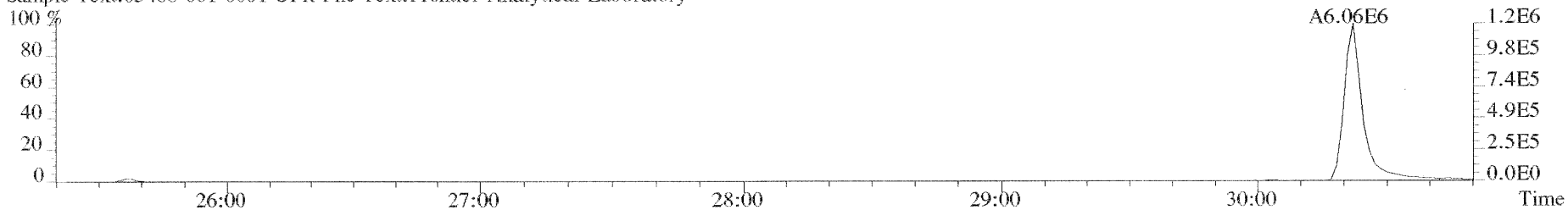
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



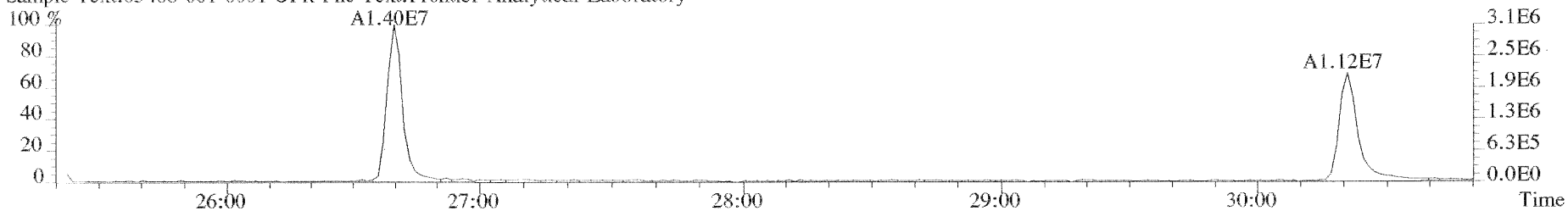
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



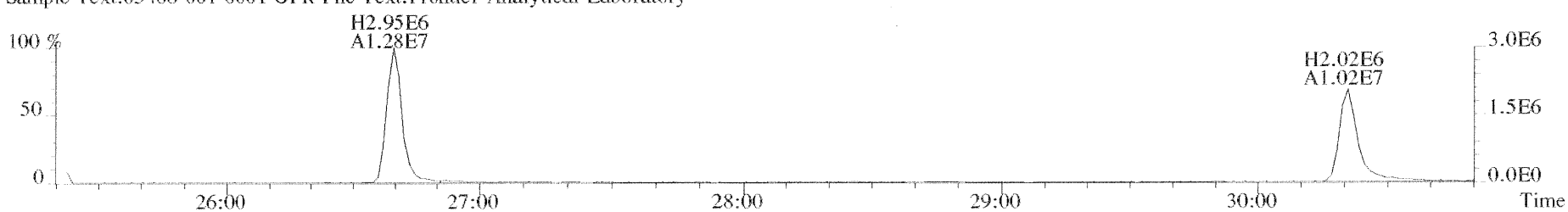
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



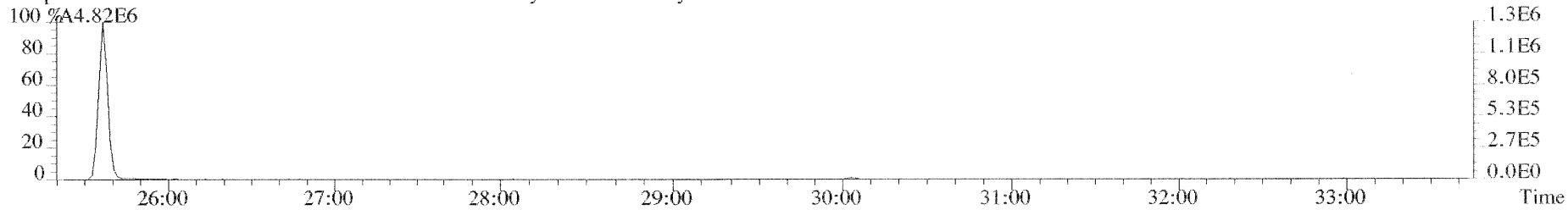
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



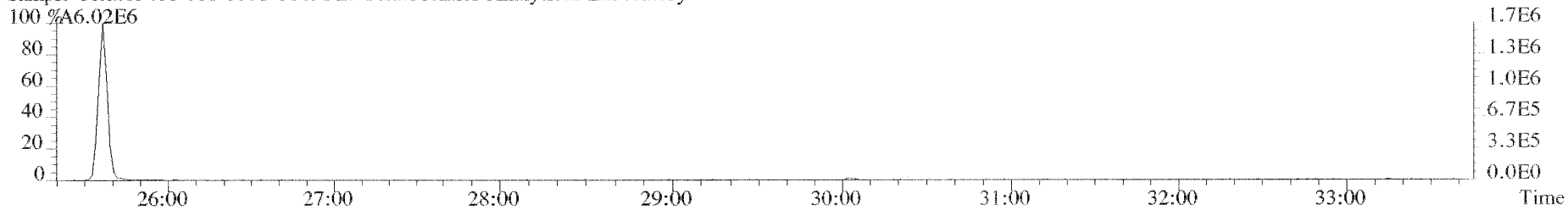
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



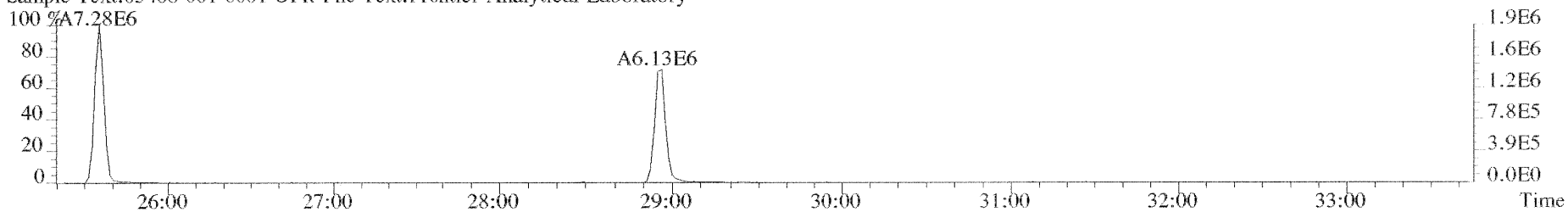
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



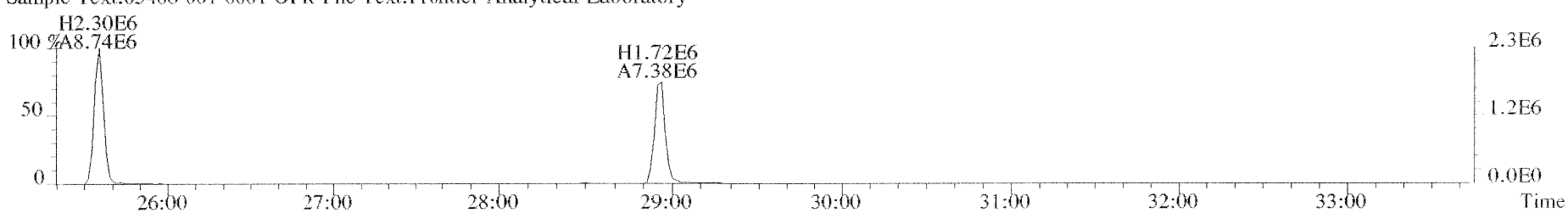
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



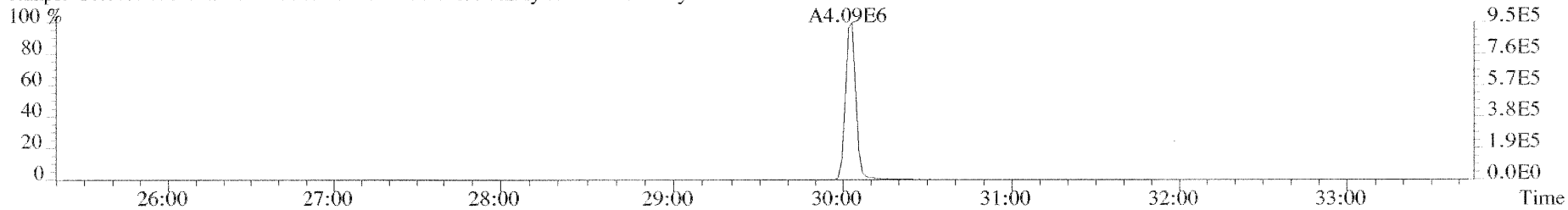
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



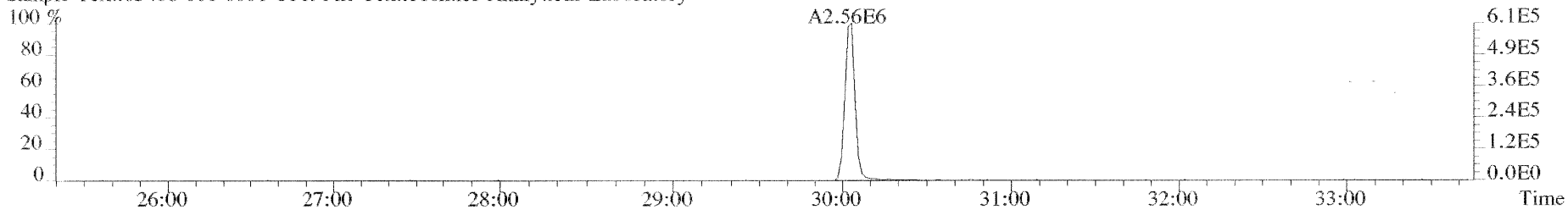
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



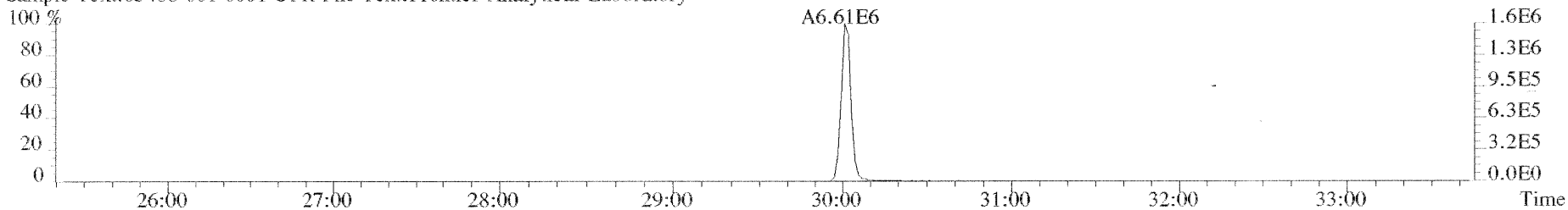
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



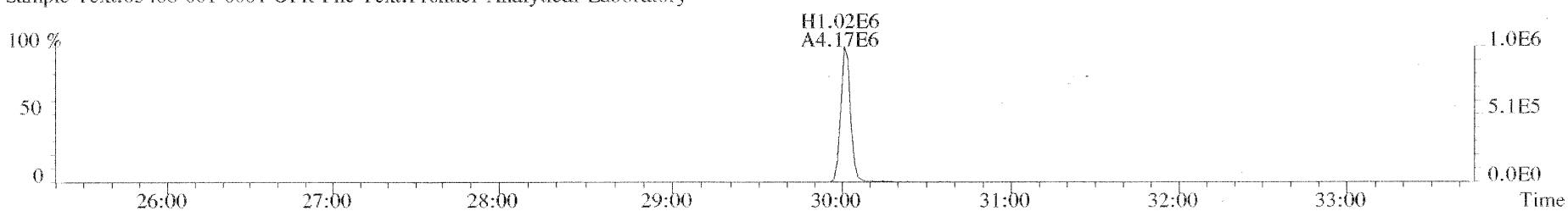
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



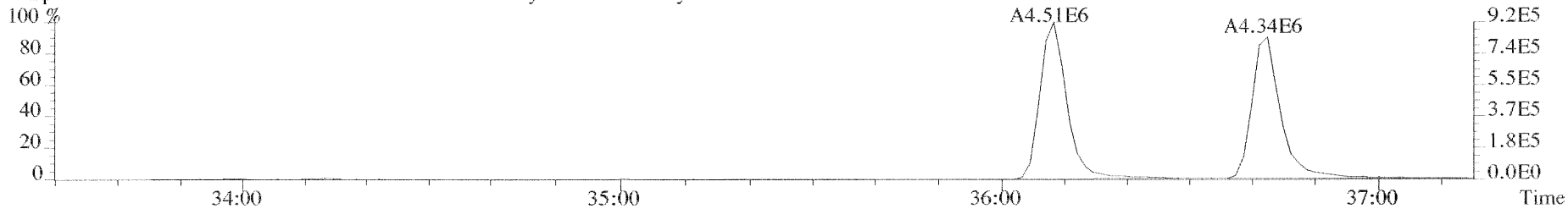
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



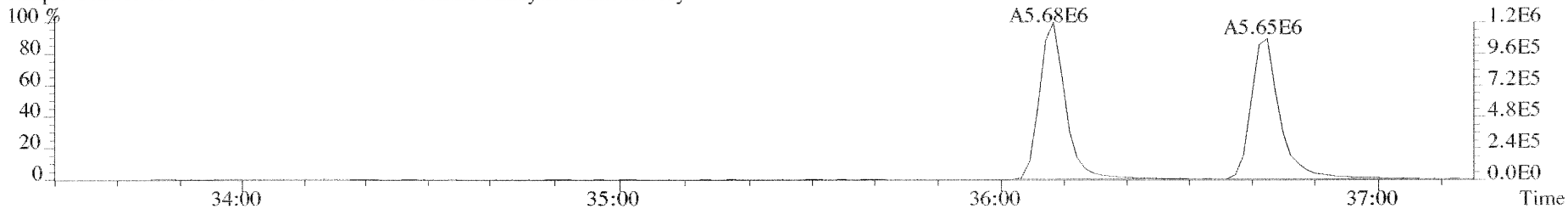
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



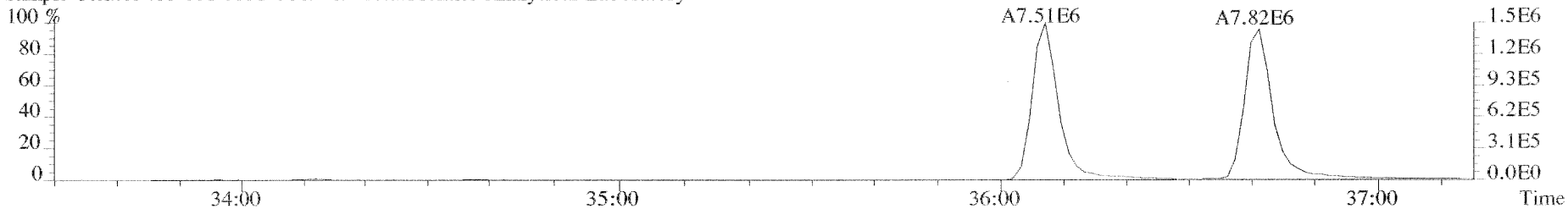
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



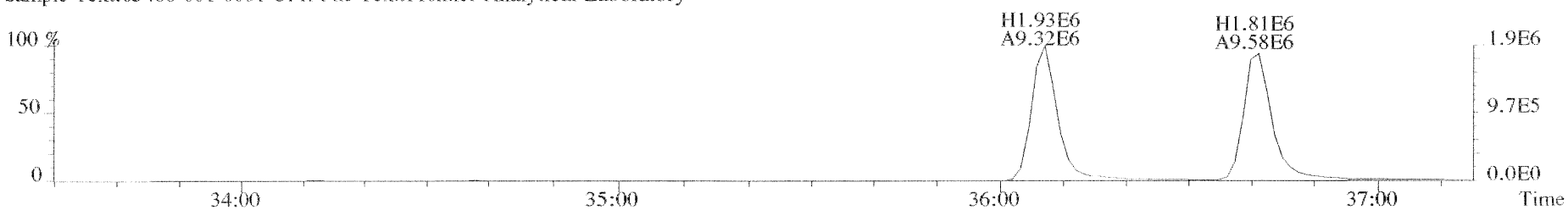
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



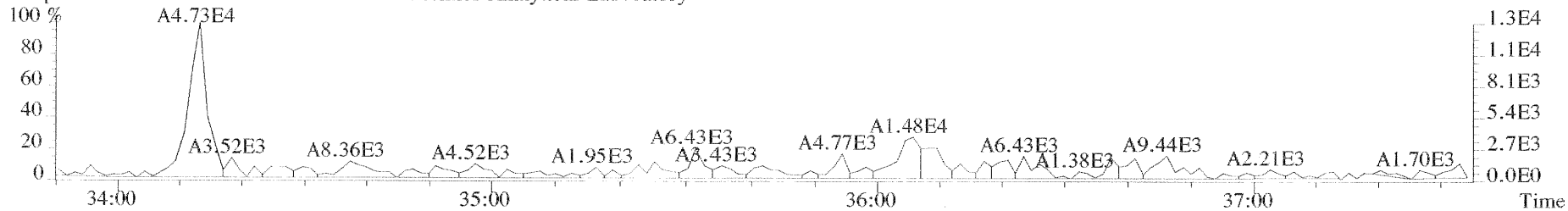
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



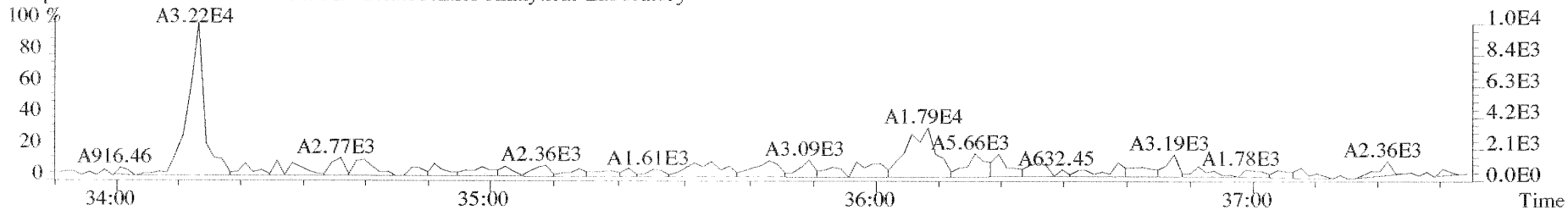
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



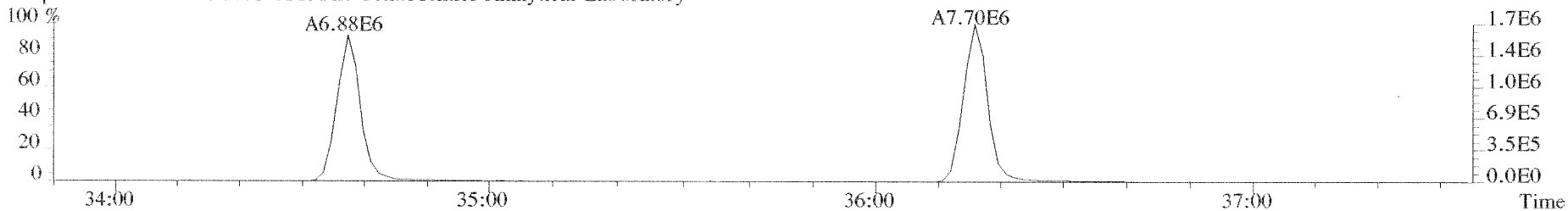
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



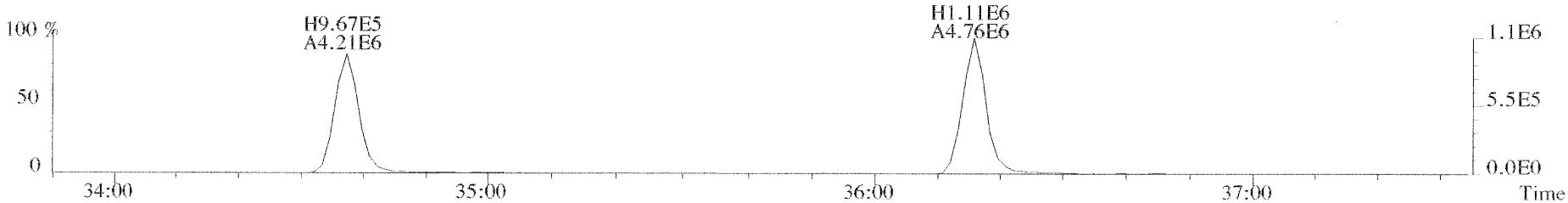
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



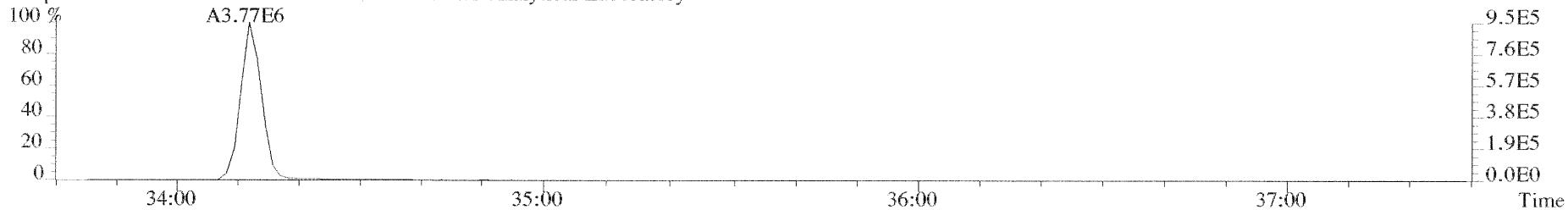
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



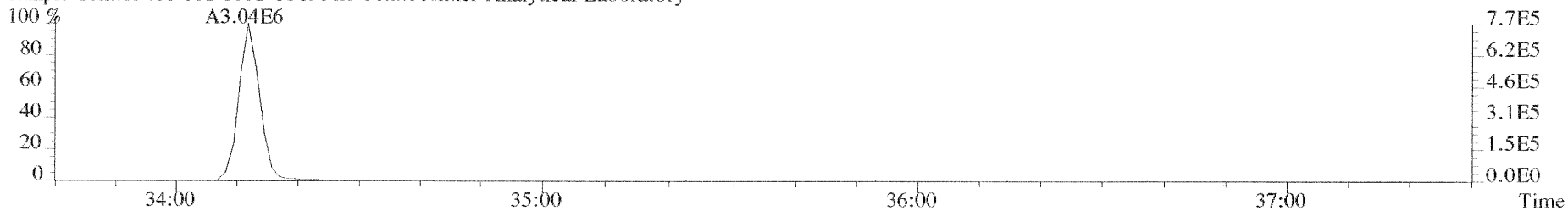
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



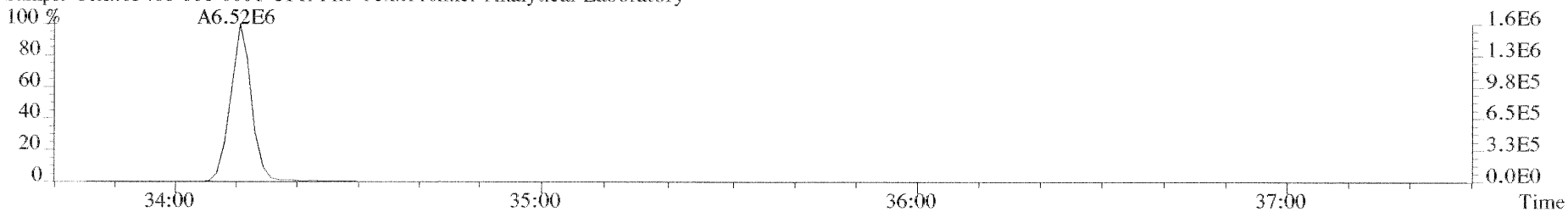
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



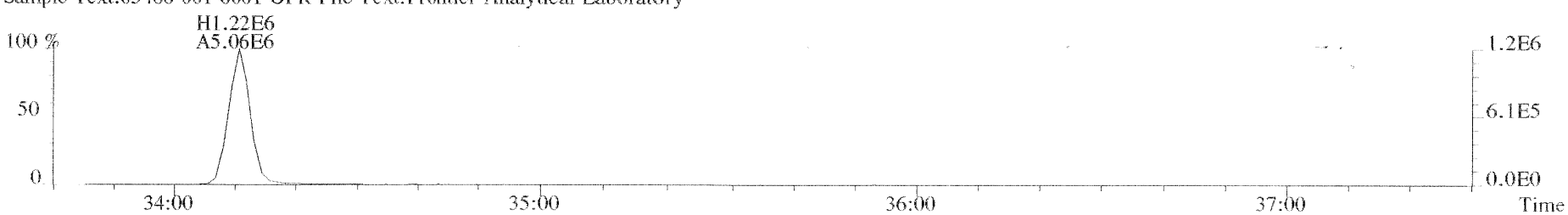
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



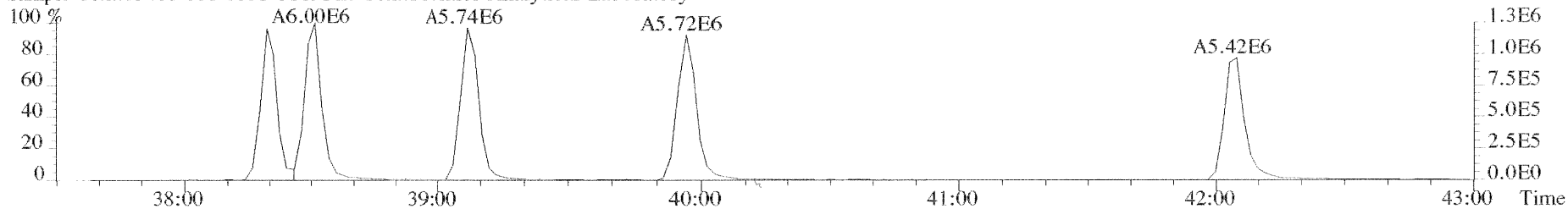
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



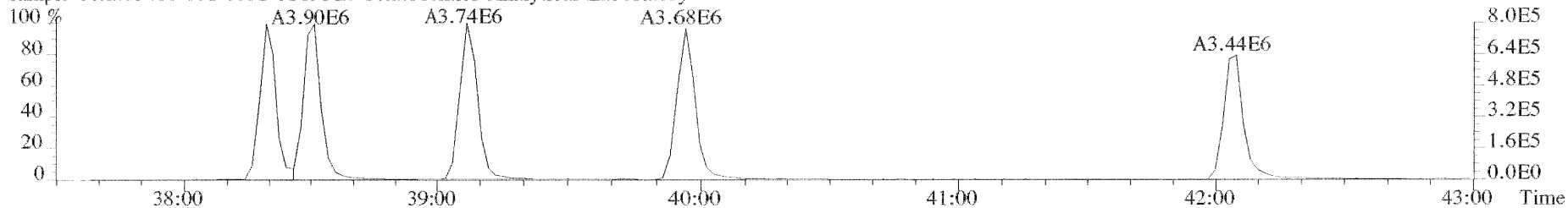
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



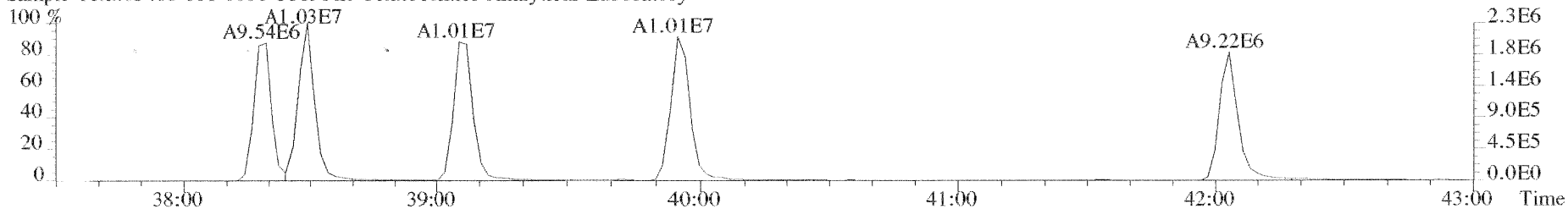
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



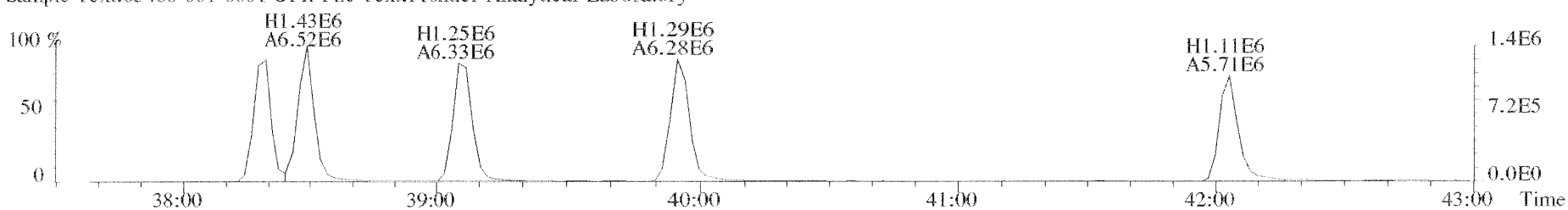
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



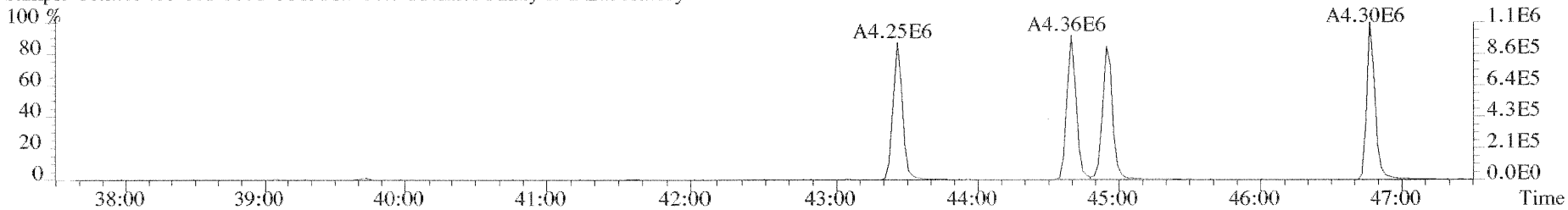
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 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:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 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:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
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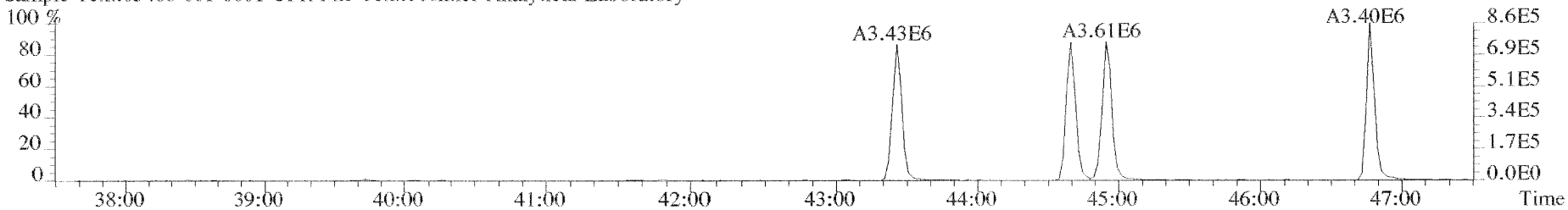
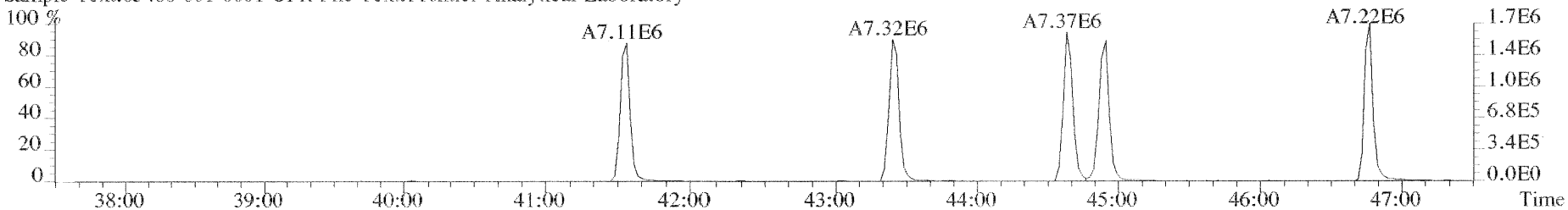
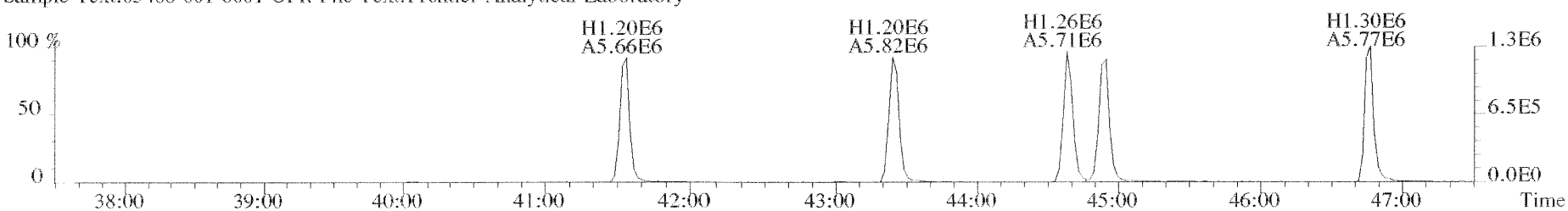
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



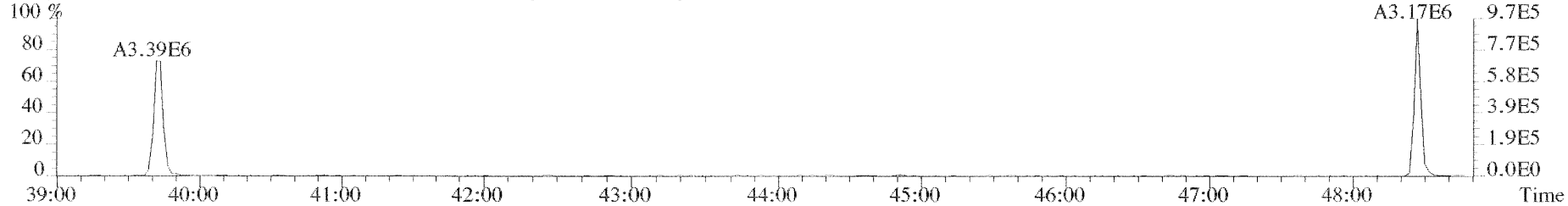
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



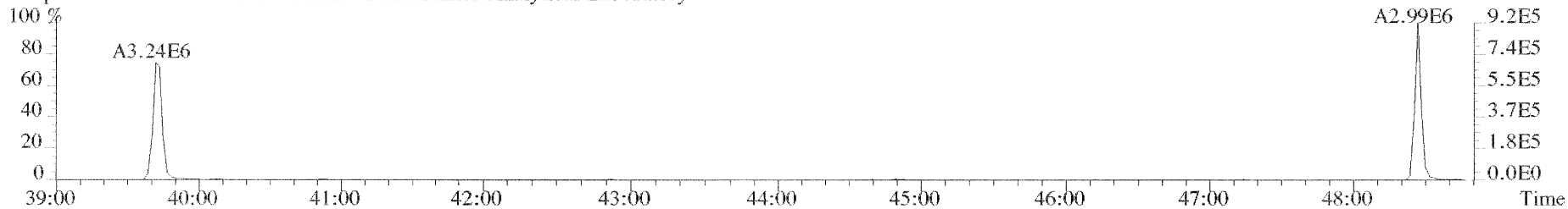
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



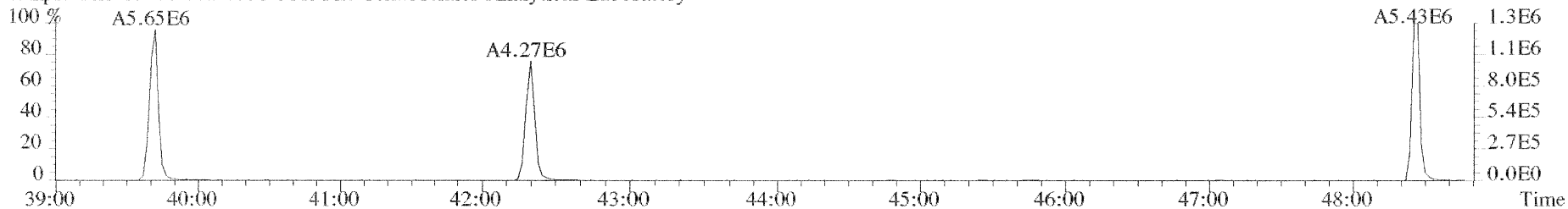
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



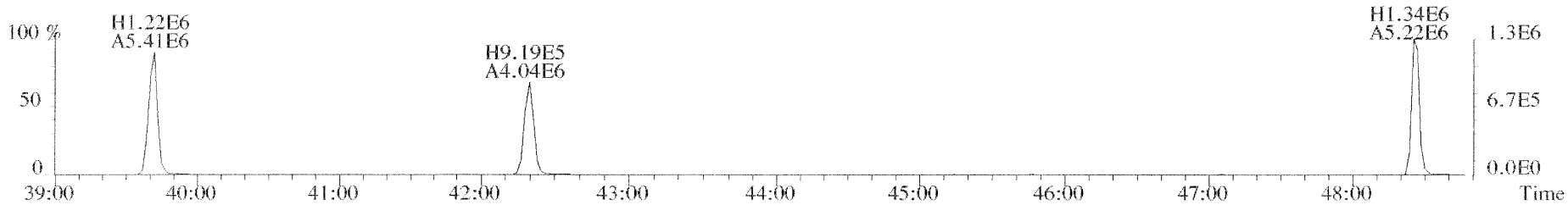
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



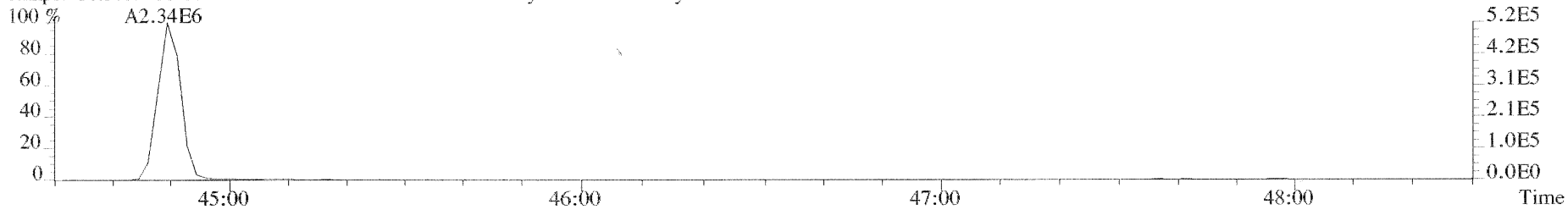
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



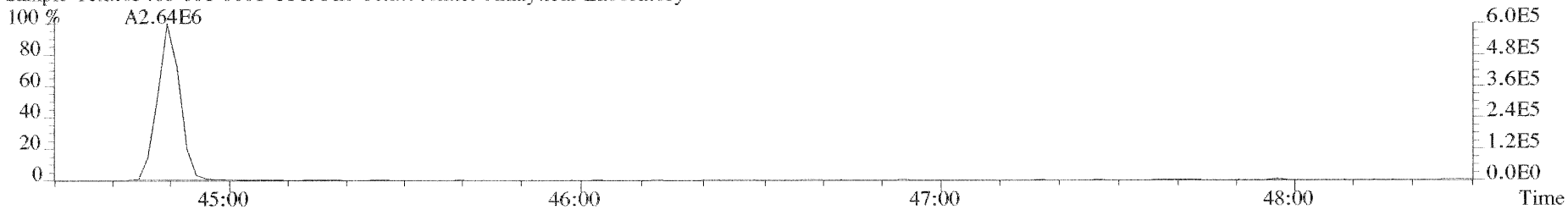
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



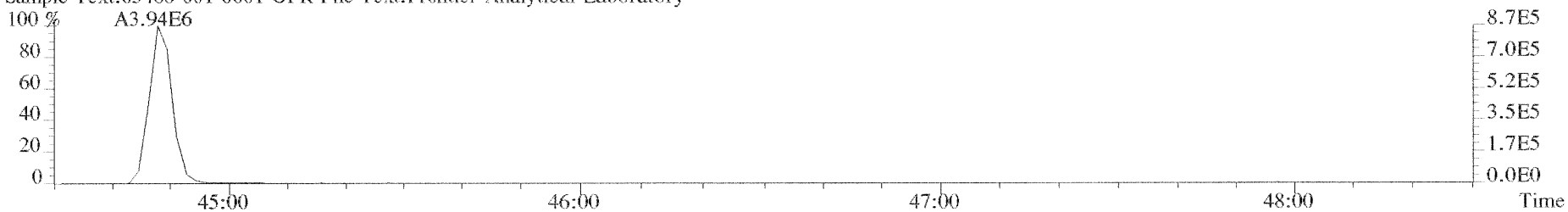
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



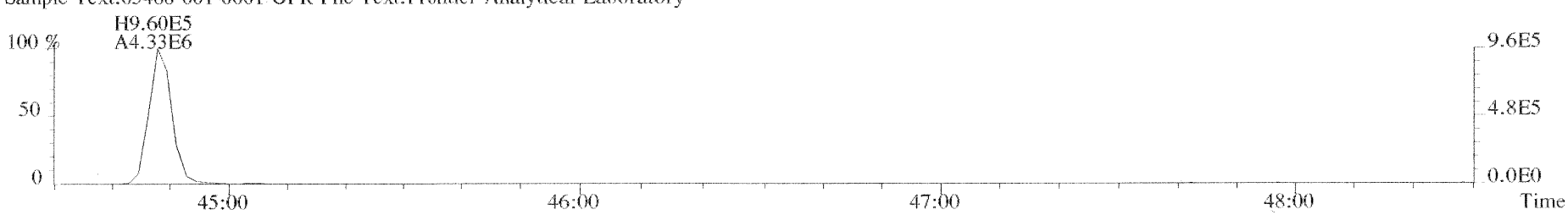
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



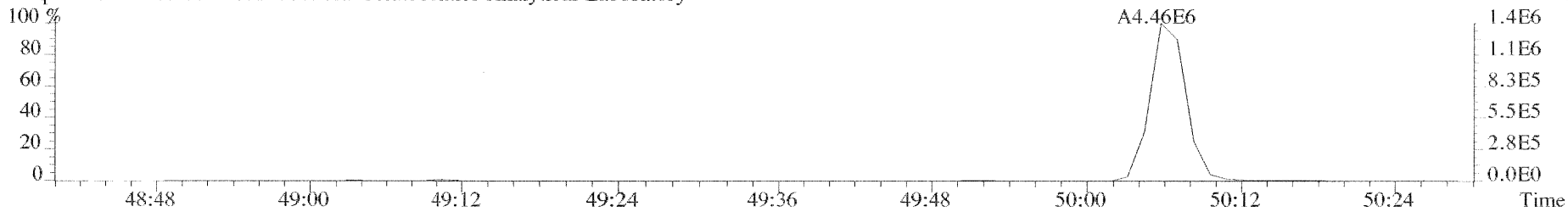
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



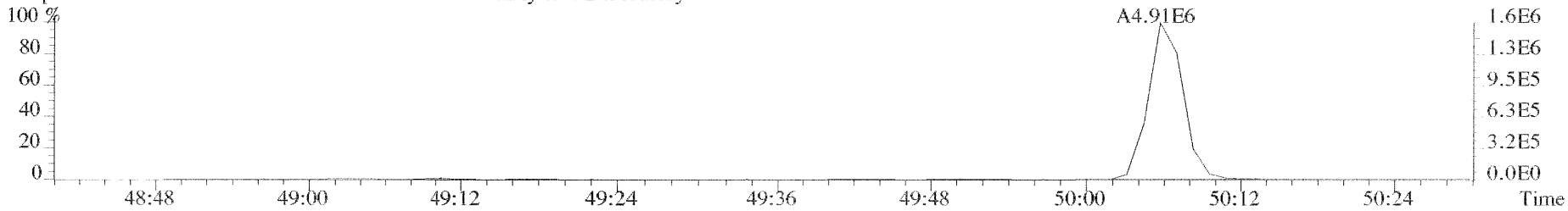
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



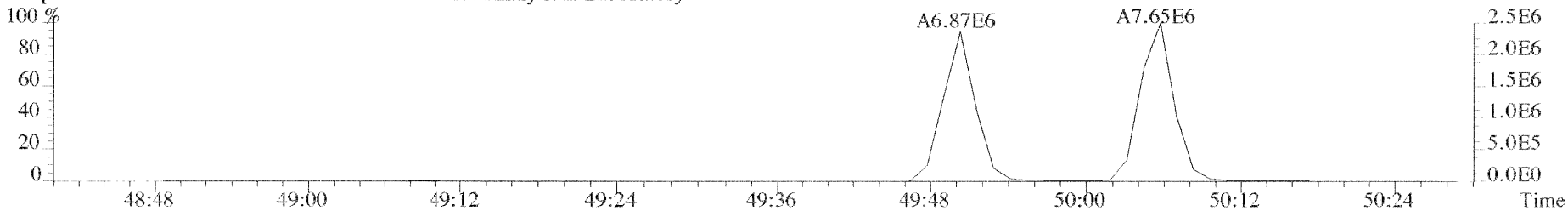
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



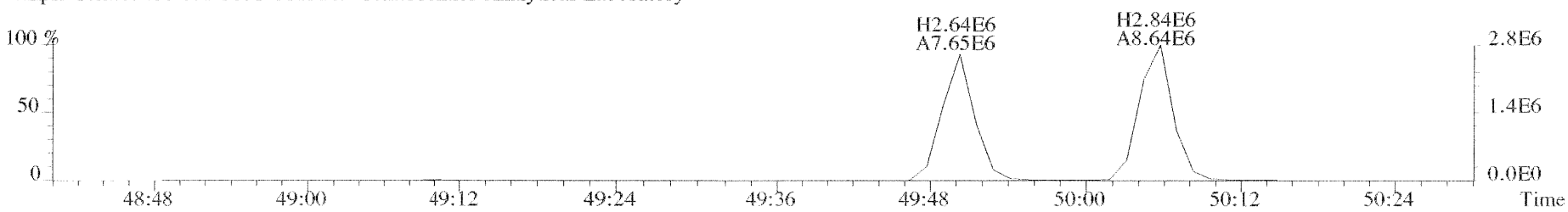
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



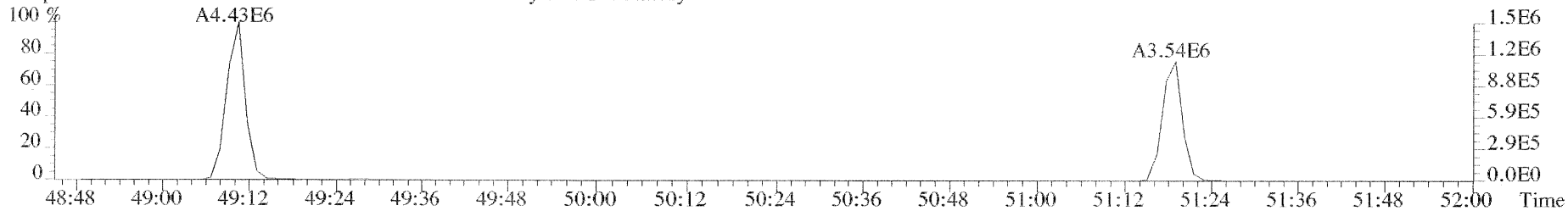
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



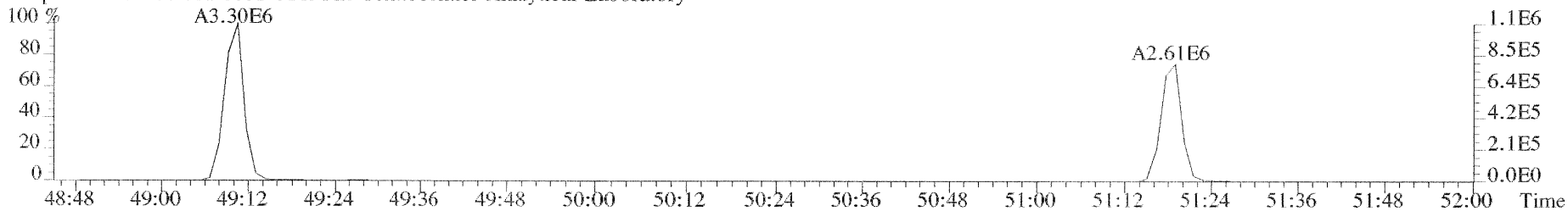
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



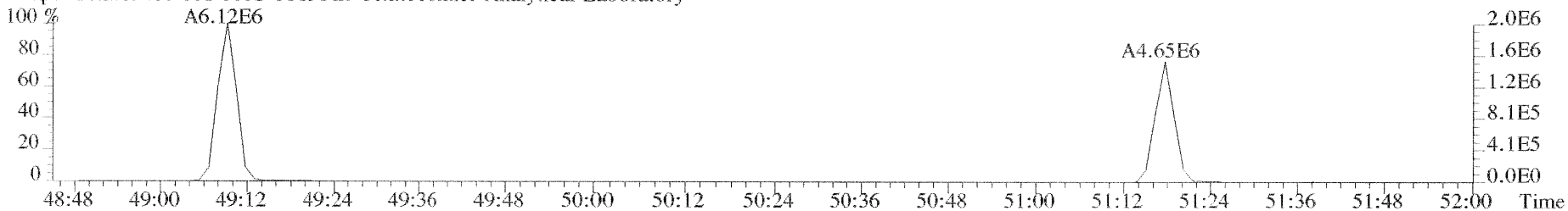
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



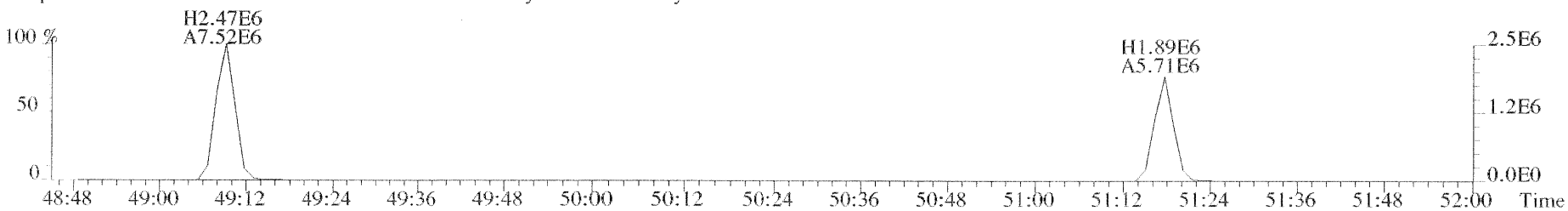
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



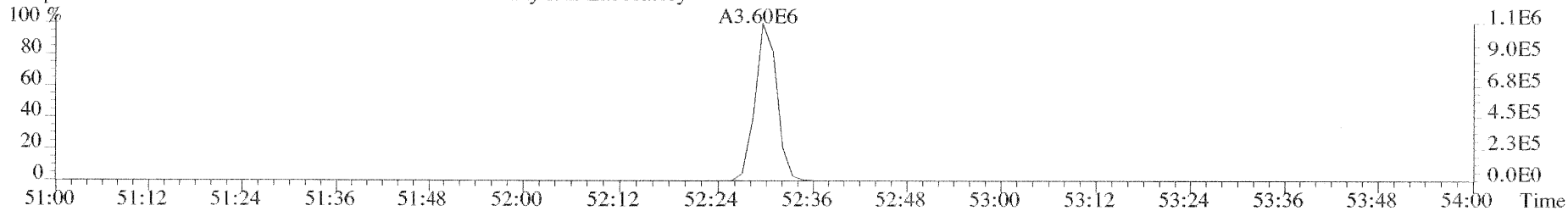
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



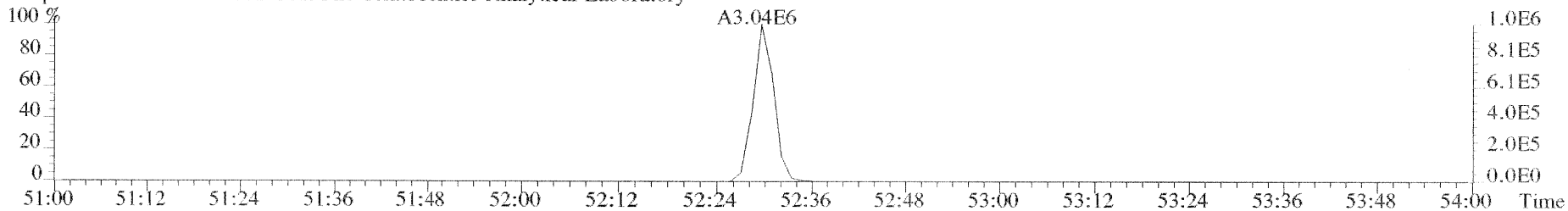
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



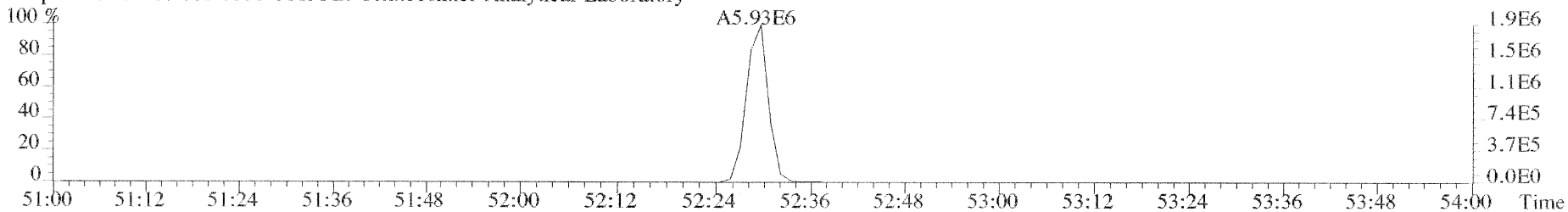
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



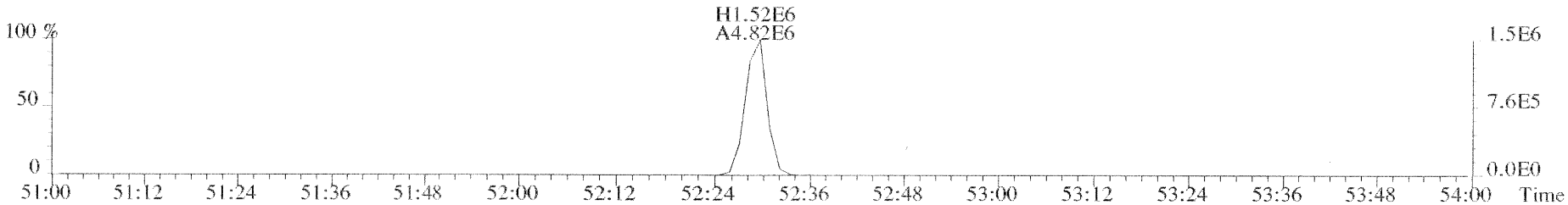
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 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:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 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:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 05493-001-0001-MB Filename: 26OCT20Z Sam:3 Acquired: 26-OCT-20 11:56:47 ICal: DAILY209FAL4-10-26-20
Client ID: Method Blank 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	*		1840	1290	4.21			
13C-PCB-1	4.18e+07	3.18 y	14:33	0.83	10800					108	1.09e+07	3.46e+06
PCB-2	*	* n	NotFnd	1.33	*		1840	1290	4.45			
PCB-3	*	* n	NotFnd	1.34	*		1840	1290	4.80			
13C-PCB-3	3.99e+07	3.35 y	16:58	0.80	10600					106	9.20e+06	2.84e+06
PCB-4	*	* n	NotFnd	1.01	*		987	3650	11.5			
PCB-10	*	* n	NotFnd	1.43	*		987	3650	7.53			
13C-PCB-4	3.34e+07	1.58 y	18:12	0.64	11200					112	6.07e+06	3.87e+06
PCB-9	*	* n	NotFnd	1.34	*		987	3650	8.06			
PCB-7	*	* n	NotFnd	1.40	*		987	3650	7.68			
PCB-6	*	* n	NotFnd	1.35	*		987	3650	8.00			
PCB-8	*	* n	NotFnd	1.33	*		987	3650	8.11			
PCB-5	*	* n	NotFnd	1.36	*		987	3650	7.94			
PCB-14	*	* n	NotFnd	1.37	*		987	3650	7.88			
PCB-11	*	* n	NotFnd	1.34	*		987	3650	8.06			
PCB-13	*	* n	NotFnd	1.39	*		987	3650	7.77			
PCB-12	*	* n	NotFnd	1.30	*		987	3650	8.31			
PCB-15	*	* n	NotFnd	1.24	*		987	3650	8.19			
13C-PCB-15	4.80e+07	1.63 y	23:44	1.02	10000					100	7.00e+06	4.37e+06
PCB-19	*	* n	NotFnd	1.31	*		2190	492	9.49			
PCB-30	*	* n	NotFnd	2.00	*		2190	492	6.21			
PCB-18	*	* n	NotFnd	1.36	*		2190	492	9.16			
PCB-17	*	* n	NotFnd	1.48	*		2190	492	8.36			
PCB-27	*	* n	NotFnd	1.93	*		2190	492	6.44			
PCB-24	*	* n	NotFnd	1.97	*		2190	492	6.29			
PCB-16	*	* n	NotFnd	1.66	*		2190	492	7.48			
PCB-32	*	* n	NotFnd	1.65	*		2190	492	7.54			
13C-PCB-19	1.97e+07	1.09 y	22:06	0.40	10600					106	2.79e+06	2.61e+06
13C-PCB-9	4.67e+07	1.60 y	19:53	-	86.3							
PCB-34	*	* n	NotFnd	1.16	*		2790	464	8.93			
PCB-23	*	* n	NotFnd	1.15	*		2790	464	9.00			
PCB-29	*	* n	NotFnd	1.19	*		2790	464	8.63			
PCB-26	*	* n	NotFnd	1.17	*		2790	464	8.83			
PCB-25	*	* n	NotFnd	1.14	*		2790	464	9.05			
PCB-31	*	* n	NotFnd	1.18	*		2790	464	8.74			
PCB-28	*	* n	NotFnd	1.34	*		2790	464	7.68			
PCB-20	*	* n	NotFnd	1.12	*		2790	464	9.22		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.12	*		2790	464	9.22		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.12	*		2790	464	9.22		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.22	*		2790	464	8.49			
PCB-36	*	* n	NotFnd	1.17	*		2790	464	8.83			
PCB-39	*	* n	NotFnd	1.22	*		2790	464	8.46			
PCB-38	*	* n	NotFnd	1.28	*		2790	464	8.05			
PCB-35	*	* n	NotFnd	1.22	*		2790	464	8.47			
PCB-37	*	* n	NotFnd	1.20	*		2790	464	8.57			
13C-PCB-37	3.73e+07	1.02 y	30:22	1.83	10300					103	4.07e+06	3.81e+06

PCB-54	*	*	n	NotFnd	1.30	*	932	984	5.36			
PCB-50	*	*	n	NotFnd	1.04	*	932	984	6.73			
PCB-53	*	*	n	NotFnd	1.02	*	932	984	6.86			
PCB-51	*	*	n	NotFnd	1.08	*	932	984	6.46			
PCB-45	*	*	n	NotFnd	0.91	*	932	984	7.70			
PCB-46	*	*	n	NotFnd	0.89	*	932	984	7.86			
PCB-52	*	*	n	NotFnd	1.15	*	932	984	6.06	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.15	*	932	984	6.06	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.28	*	932	984	5.46			
PCB-43	*	*	n	NotFnd	1.00	*	932	984	6.97	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.00	*	932	984	6.97	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.03	*	932	984	6.77			
PCB-48	*	*	n	NotFnd	1.34	*	932	984	5.21	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.34	*	932	984	5.21	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*	932	984	5.12			
PCB-62	*	*	n	NotFnd	1.35	*	932	984	5.16			
PCB-44	*	*	n	NotFnd	0.90	*	932	984	7.74			
PCB-42	*	*	n	NotFnd	1.12	*	932	984	6.20	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.12	*	932	984	6.20	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.26	*	932	984	5.55	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.26	*	932	984	5.55	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.26	*	932	984	5.55	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.26	*	932	984	5.55	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.47	*	932	984	4.75			
PCB-40	*	*	n	NotFnd	0.80	*	932	984	8.76			
PCB-57	*	*	n	NotFnd	1.38	*	932	984	5.05			
PCB-67	*	*	n	NotFnd	1.39	*	932	984	5.01			
PCB-58	*	*	n	NotFnd	1.37	*	932	984	5.08			
PCB-63	*	*	n	NotFnd	1.41	*	932	984	4.93			
PCB-74	*	*	n	NotFnd	1.38	*	932	984	5.05			
PCB-61	*	*	n	NotFnd	1.26	*	932	984	5.53	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.26	*	932	984	5.53	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.41	*	932	984	4.94	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.41	*	932	984	4.94	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.56	*	932	984	4.46			
PCB-55	*	*	n	NotFnd	1.33	*	932	984	5.25			
13C-PCB-54	2.59e+07	0.83	y	25:38	1.12	11600				116	3.13e+06	3.74e+06
PCB-104	*	*	n	NotFnd	1.20	*	468	528	4.84			
PCB-96	*	*	n	NotFnd	1.15	*	468	528	5.03			
PCB-103	*	*	n	NotFnd	0.99	*	468	528	5.87			
PCB-100	*	*	n	NotFnd	0.97	*	468	528	5.97			
PCB-94	*	*	n	NotFnd	0.82	*	468	528	7.10			
PCB-98	*	*	n	NotFnd	0.81	*	468	528	7.17	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*	468	528	7.17	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.88	*	468	528	6.57			
PCB-93	*	*	n	NotFnd	0.86	*	468	528	6.78			
PCB-88	*	*	n	NotFnd	0.86	*	468	528	6.71	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*	468	528	6.71	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.17	*	468	528	4.96			
13C-PCB-104	1.76e+07	1.57	y	30:03	0.79	11200				112	2.60e+06	1.69e+06
13C-PCB-28	4.50e+07	1.07	y	26:42	2.03	11100				111	5.47e+06	5.11e+06
13C-PCB-52	1.99e+07	0.81	y	28:58	-	77.2						

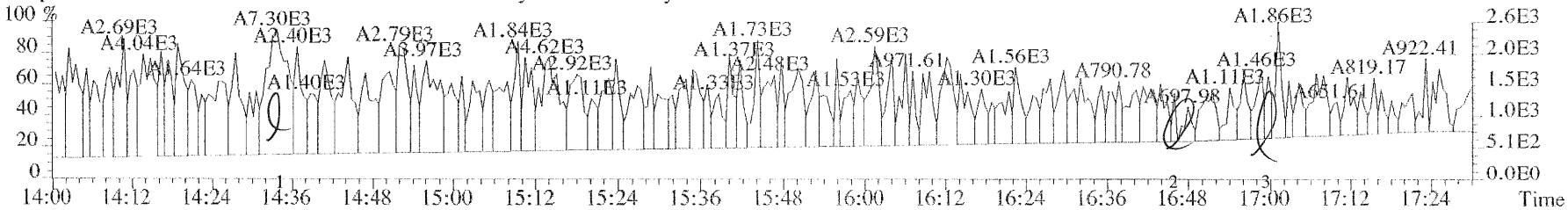
PCB-56	*	*	n	NotFnd	1.15	*	976	1230	7.54			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.15	*	976	1230	7.54			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*	976	1230	6.94			
PCB-78	*	*	n	NotFnd	1.20	*	976	1230	7.20			
PCB-81	*	*	n	NotFnd	1.29	*	976	1230	6.44			
13C-PCB-81	2.99e+07	0.80	y	36:09	1.82	10300				103	2.95e+06	3.68e+06
PCB-77	*	*	n	NotFnd	1.13	*	976	1230	7.96			
13C-PCB-77	3.04e+07	0.81	y	36:43	1.87	10300				103	2.73e+06	3.39e+06
PCB-155	*	*	n	NotFnd	1.12	*	612	748	6.74			
PCB-150	*	*	n	NotFnd	1.10	*	612	748	6.83			
PCB-152	*	*	n	NotFnd	1.06	*	612	748	7.10			
PCB-145	*	*	n	NotFnd	1.07	*	612	748	7.03			
PCB-136	*	*	n	NotFnd	1.08	*	612	748	6.96			
PCB-148	*	*	n	NotFnd	0.76	*	612	748	9.90			
PCB-154	*	*	n	NotFnd	0.93	*	612	748	8.11			
13C-PCB-155	1.95e+07	1.29	y	34:13	1.04	11800				118	2.54e+06	1.97e+06
13C-PCB-111	1.96e+07	1.63	y	36:17	1.29	9570				95.7	2.84e+06	1.81e+06
13C-PCB-101	1.59e+07	1.61	y	34:39	-	74.3						
PCB-84	*	*	n	NotFnd	0.66	*	784	536	8.01			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.66	*	784	536	8.01			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.67	*	784	536	7.88			
PCB-90	*	*	n	NotFnd	0.75	*	784	536	7.12			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.75	*	784	536	7.12			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*	784	536	6.11			
PCB-99	*	*	n	NotFnd	0.83	*	784	536	6.44			
PCB-119	*	*	n	NotFnd	0.99	*	784	536	5.40			
PCB-83	*	*	n	NotFnd	0.78	*	784	536	6.79			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.78	*	784	536	6.79			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*	784	536	5.73			
PCB-97	*	*	n	NotFnd	0.64	*	784	536	8.33			
PCB-86	*	*	n	NotFnd	0.56	*	784	536	9.49			
PCB-125	*	*	n	NotFnd	0.89	*	784	536	5.96			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.89	*	784	536	5.96			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.89	*	784	536	5.96			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.95	*	784	536	5.59			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.95	*	784	536	5.59			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.84	*	784	536	6.31			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.84	*	784	536	6.31			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*	784	536	5.28			
PCB-110	*	*	n	NotFnd	0.94	*	784	536	5.68			
PCB-82	*	*	n	NotFnd	0.57	*	784	536	9.38			
PCB-124	*	*	n	NotFnd	1.21	*	852	976	6.08			
PCB-108	*	*	n	NotFnd	1.16	*	852	976	6.34			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.16	*	852	976	6.34			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.11	*	852	976	6.55			
13C-PCB-123	2.76e+07	1.64	y	38:20	1.40	10900				109	3.87e+06	2.41e+06
PCB-118	*	*	n	NotFnd	1.14	*	852	976	6.36			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.14	*	852	976	6.36			Co-elute PCB 118
13C-PCB-118	3.00e+07	1.56	y	38:31	1.51	11100				111	3.87e+06	2.43e+06
PCB-114	*	*	n	NotFnd	1.24	*	852	976	6.03			
13C-PCB-114	2.80e+07	1.59	y	39:07	1.49	10500				105	3.75e+06	2.35e+06
PCB-122	*	*	n	NotFnd	1.16	*	852	976	6.38			
PCB-105	*	*	n	NotFnd	1.22	*	852	976	6.09			
13C-PCB-105	2.78e+07	1.61	y	39:57	1.49	10400				104	3.82e+06	2.34e+06

PCB-127	*	*	n	NotFnd	1.17	*	852	976	6.32				
PCB-126	*	*	n	NotFnd	1.19	*	852	976	6.98				
13C-PCB-126	2.56e+07	1.60	y	42:03	1.42	9970				99.7	3.39e+06	2.10e+06	
PCB-151	*	*	n	NotFnd	0.93	*	759	610	7.93				
PCB-135	*	*	n	NotFnd	0.95	*	759	610	7.75				
PCB-144	*	*	n	NotFnd	0.93	*	759	610	7.93				
PCB-147	*	*	n	NotFnd	0.96	*	759	610	7.62				
PCB-139	*	*	n	NotFnd	0.98	*	759	610	7.49				Co-elute PCB 149
PCB-149	*	*	n	NotFnd	0.98	*	759	610	7.49				Co-elute PCB 139
PCB-140	*	*	n	NotFnd	0.97	*	759	610	7.57				
PCB-143	*	*	n	NotFnd	0.81	*	759	610	9.10				Co-elute PCB 134
PCB-134	*	*	n	NotFnd	0.81	*	759	610	9.10				Co-elute PCB 143
PCB-131	*	*	n	NotFnd	0.83	*	759	610	8.89				Co-elute PCB 133
PCB-133	*	*	n	NotFnd	0.83	*	759	610	8.89				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.83	*	759	610	8.87				
PCB-165	*	*	n	NotFnd	1.12	*	759	610	6.58				Co-elute PCB 146
PCB-146	*	*	n	NotFnd	1.12	*	759	610	6.58				Co-elute PCB 165
PCB-161	*	*	n	NotFnd	1.04	*	759	610	7.06				Co-elute PCB 132
PCB-132	*	*	n	NotFnd	1.04	*	759	610	7.06				Co-elute PCB 161
PCB-153	*	*	n	NotFnd	1.08	*	759	610	6.83				
PCB-168	*	*	n	NotFnd	1.19	*	759	610	6.17				
PCB-141	*	*	n	NotFnd	0.94	*	759	610	7.79				
PCB-137	*	*	n	NotFnd	0.98	*	759	610	7.49				
PCB-130	*	*	n	NotFnd	0.76	*	759	610	9.69				
PCB-138	*	*	n	NotFnd	1.11	*	759	610	6.62				Co-elute PCB 163/164
PCB-163	*	*	n	NotFnd	1.11	*	759	610	6.62				Co-elute PCB 138/164
PCB-164	*	*	n	NotFnd	1.11	*	759	610	6.62				Co-elute PCB 138/163
PCB-158	*	*	n	NotFnd	1.25	*	759	610	5.87				Co-elute PCB 160
PCB-160	*	*	n	NotFnd	1.25	*	759	610	5.87				Co-elute PCB 158
PCB-129	*	*	n	NotFnd	0.78	*	759	610	9.38				
PCB-166	*	*	n	NotFnd	1.22	*	759	610	6.02				
PCB-159	*	*	n	NotFnd	1.31	*	759	610	5.61				
PCB-128	*	*	n	NotFnd	1.04	*	759	610	7.08				Co-elute PCB 162
PCB-162	*	*	n	NotFnd	1.04	*	759	610	7.08				Co-elute PCB 128
PCB-167	*	*	n	NotFnd	1.20	*	759	610	5.99				
13C-PCB-167	2.19e+07	1.31	y	43:26	1.18	10400				104	2.74e+06	2.03e+06	
PCB-156	*	*	n	NotFnd	1.29	*	759	610	6.10				
13C-PCB-156	2.11e+07	1.30	y	44:38	1.15	10100				101	2.46e+06	1.90e+06	
PCB-157	*	*	n	NotFnd	1.21	*	759	610	6.12				
13C-PCB-157	2.14e+07	1.30	y	44:55	1.17	10200				102	2.62e+06	2.00e+06	
PCB-169	*	*	n	NotFnd	1.17	*	759	610	5.94				
13C-PCB-169	2.08e+07	1.30	y	46:46	1.18	9810				98.1	2.82e+06	2.12e+06	

PCB-188	*	*	n	NotFnd	1.16	*	621	520	6.09			
13C-PCB-188	1.85e+07	1.07	y	39:43	0.93	11100				111	2.07e+06	1.97e+06
PCB-184	*	*	n	NotFnd	1.25	*	621	520	5.48			
PCB-179	*	*	n	NotFnd	1.20	*	621	520	5.68			
PCB-176	*	*	n	NotFnd	1.15	*	621	520	5.92			
PCB-186	*	*	n	NotFnd	1.18	*	621	520	5.77			
PCB-178	*	*	n	NotFnd	0.85	*	621	520	8.01			
PCB-175	*	*	n	NotFnd	0.90	*	621	520	7.62			
PCB-187	*	*	n	NotFnd	0.95	*	621	520	7.17		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	0.95	*	621	520	7.17		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	0.94	*	621	520	7.24			
PCB-185	*	*	n	NotFnd	0.88	*	621	520	7.75			
PCB-174	*	*	n	NotFnd	0.87	*	621	520	7.87			
PCB-181	*	*	n	NotFnd	0.89	*	621	520	7.63			
PCB-177	*	*	n	NotFnd	0.82	*	621	520	8.33			
PCB-171	*	*	n	NotFnd	0.87	*	621	520	7.85			
PCB-173	*	*	n	NotFnd	0.80	*	621	520	8.48			
PCB-172	*	*	n	NotFnd	0.83	*	621	520	8.20			
PCB-192	*	*	n	NotFnd	1.09	*	621	520	6.27			
PCB-180	*	*	n	NotFnd	0.85	*	621	520	8.07			
PCB-193	*	*	n	NotFnd	1.17	*	621	520	5.81			
PCB-191	*	*	n	NotFnd	1.14	*	621	520	6.00			
PCB-170	*	*	n	NotFnd	0.85	*	621	520	8.04			
PCB-190	*	*	n	NotFnd	1.13	*	621	520	6.02			
PCB-189	*	*	n	NotFnd	1.16	*	621	520	5.64			
13C-PCB-189	1.59e+07	1.06	y	48:25	0.88	9980				99.8	2.19e+06	2.16e+06
PCB-202	*	*	n	NotFnd	1.08	*	340	510	6.48			
PCB-201	*	*	n	NotFnd	1.18	*	340	510	5.91			
PCB-204	*	*	n	NotFnd	1.18	*	340	510	5.92			
PCB-197	*	*	n	NotFnd	1.23	*	340	510	5.69			
PCB-200	*	*	n	NotFnd	1.21	*	340	510	5.77			
PCB-198	*	*	n	NotFnd	0.88	*	340	510	7.98			
PCB-199	*	*	n	NotFnd	0.90	*	340	510	7.77			
PCB-203	*	*	n	NotFnd	0.96	*	340	510	7.25		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.96	*	340	510	7.25		Co-elute PCB 203	
13C-PCB-202	1.32e+07	0.91	y	44:50	0.68	10800				108	1.44e+06	1.60e+06
13C-PCB-178	1.26e+07	1.04	y	42:21	0.71	9890				98.9	1.36e+06	1.33e+06
13C-PCB-138	1.80e+07	1.29	y	41:34	-	77.5						
PCB-195	*	*	n	NotFnd	0.85	*	1110	1560	9.48			
PCB-194	*	*	n	NotFnd	0.96	*	1110	1560	8.38			
PCB-205	*	*	n	NotFnd	1.14	*	1110	1560	7.03			
13C-PCB-205	2.47e+07	0.92	y	50:06	1.22	11100				111	3.98e+06	4.32e+06
PCB-208	*	*	n	NotFnd	1.12	*	654	756	4.03			
13C-PCB-208	2.21e+07	0.82	y	49:09	1.00	12100				121	3.48e+06	4.35e+06
PCB-207	*	*	n	NotFnd	1.24	*	654	756	4.54			
PCB-206	*	*	n	NotFnd	1.15	*	654	756	6.32			
13C-PCB-206	1.55e+07	0.80	y	51:18	0.77	11000				110	2.19e+06	2.66e+06
PCB-209	*	*	n	NotFnd	1.24	*	664	448	4.43			
13C-PCB-209	1.55e+07	1.22	y	52:28	0.79	10800				108	2.79e+06	2.28e+06
13C-PCB-194	1.83e+07	0.92	y	49:50	-	74.7						

Analyst: _____ Date: 10/30/20

File:26OCT20Z #1-784 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-784 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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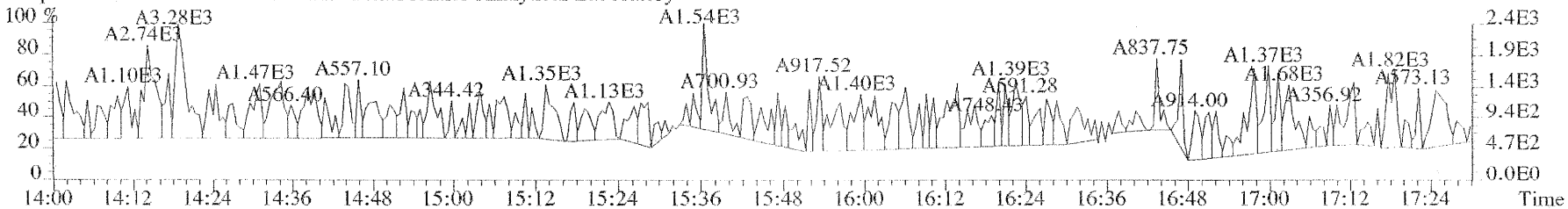

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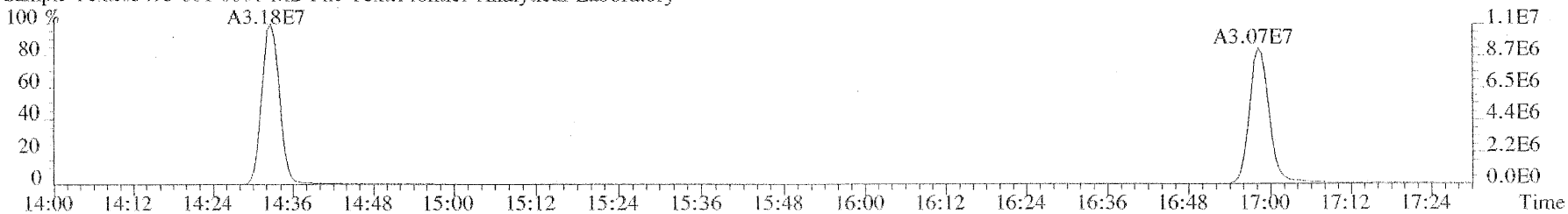

File:26OCT20Z #1-784 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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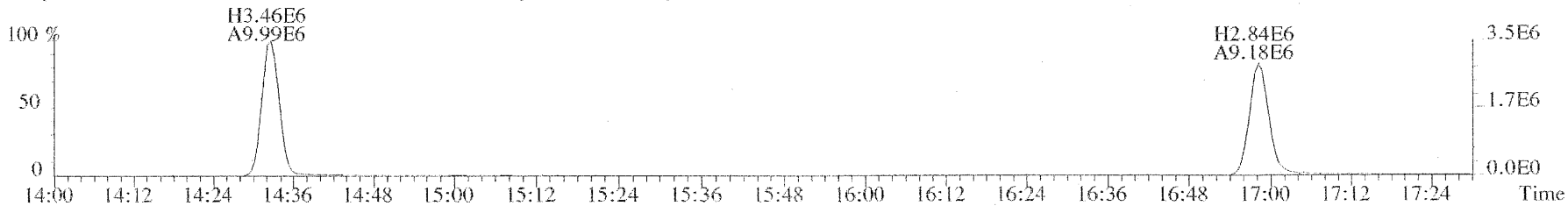

File:26OCT20Z #1-467 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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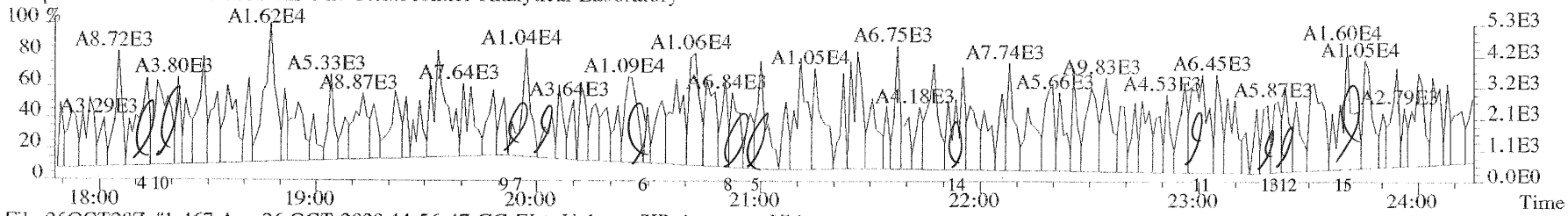

File:26OCT20Z #1-467 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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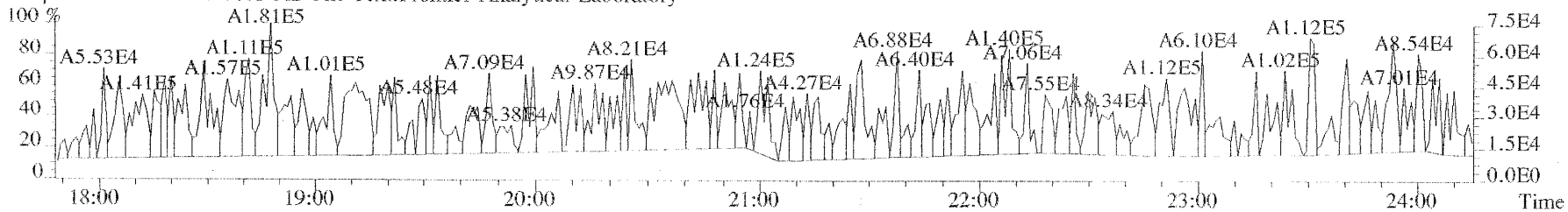

File:26OCT20Z #1-467 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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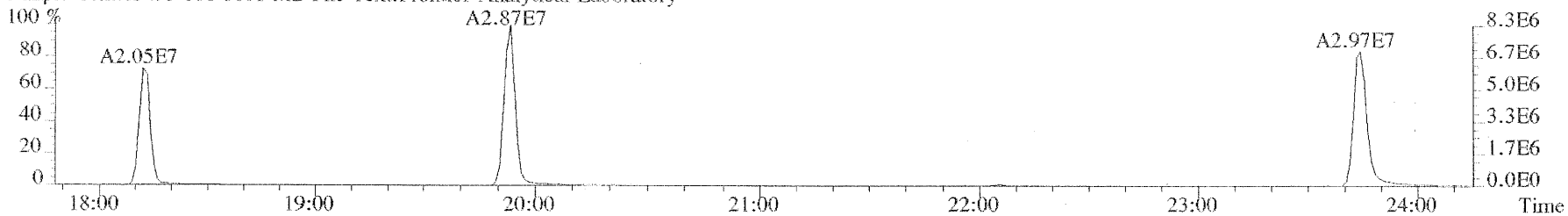
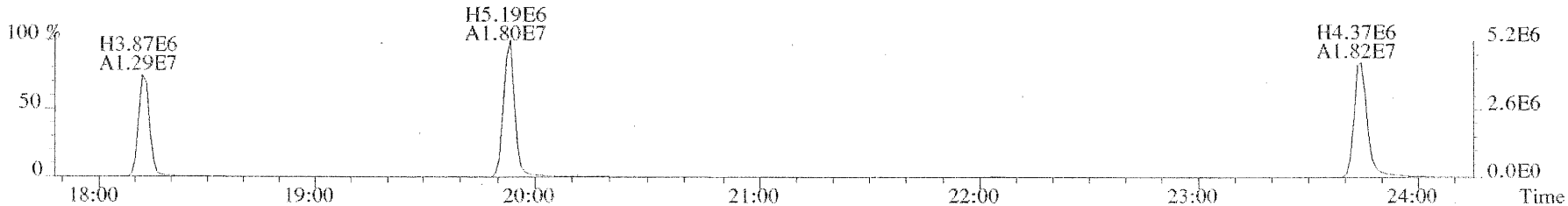


File:26OCT20Z #1-467 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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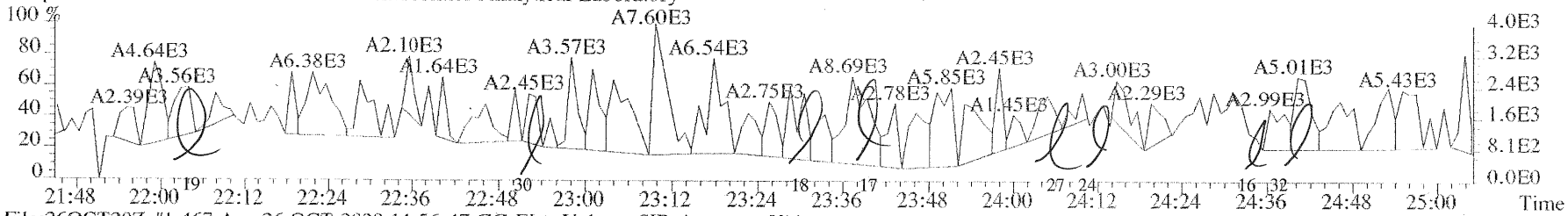
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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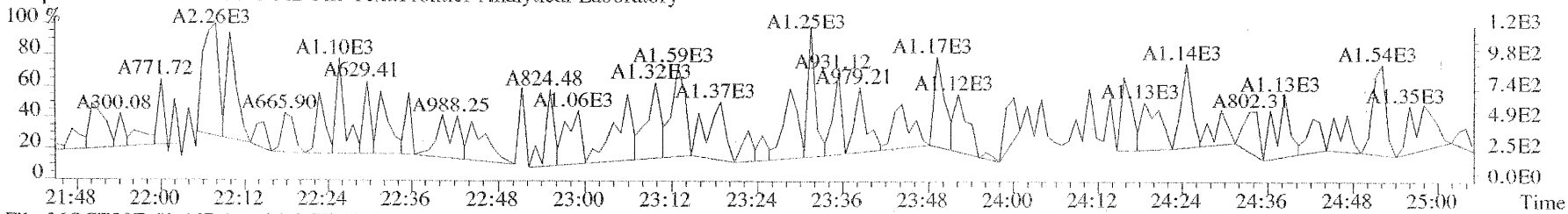
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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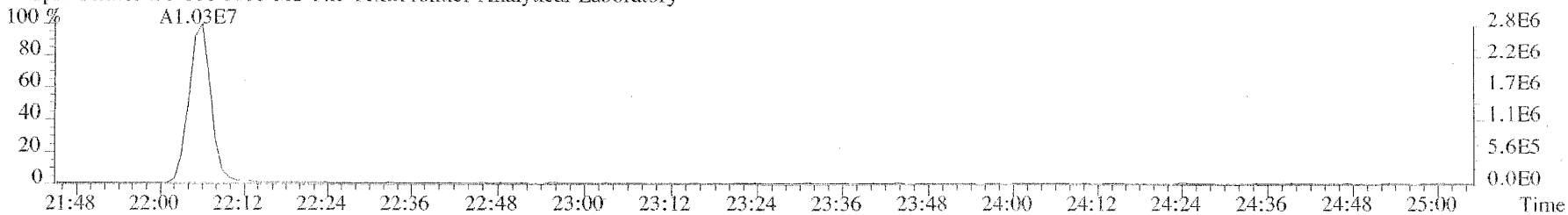
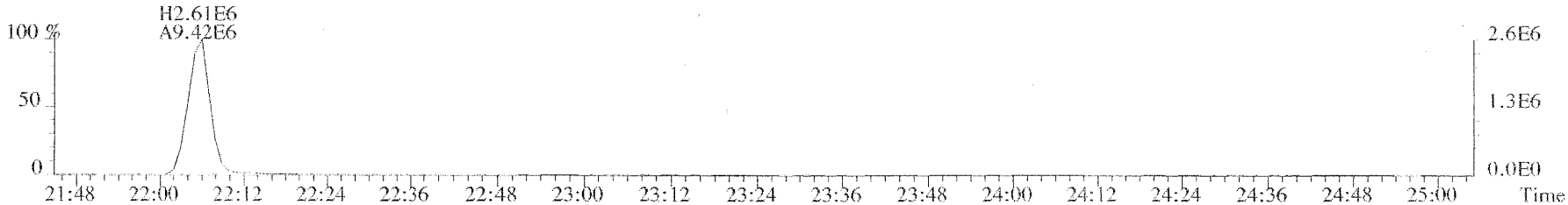
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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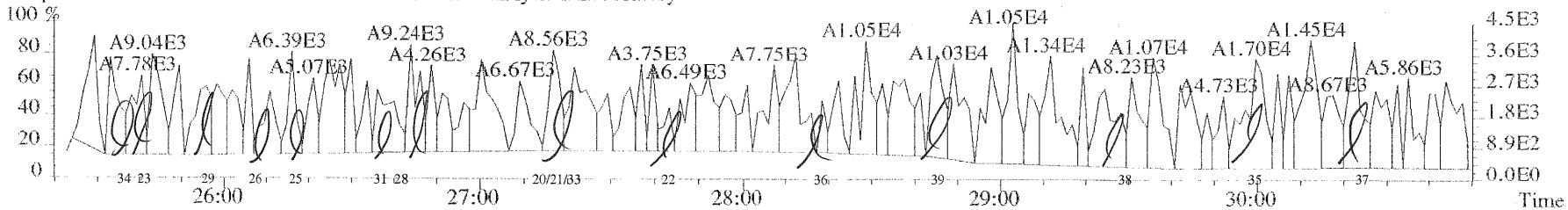
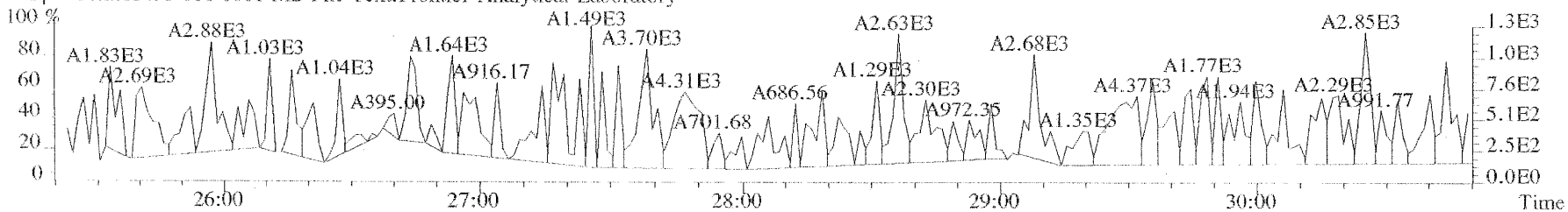
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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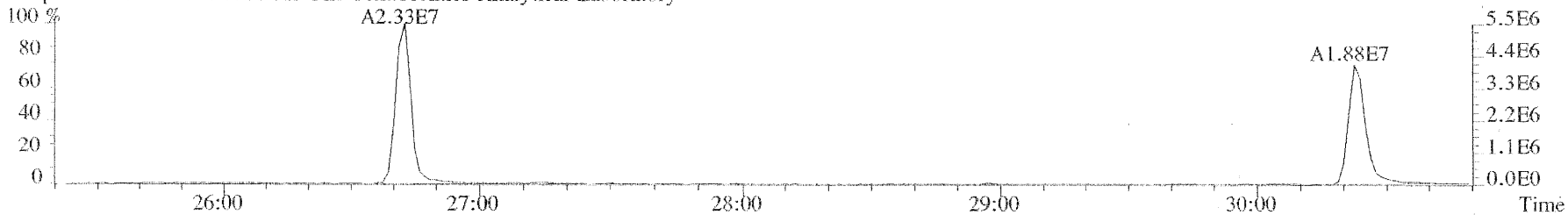
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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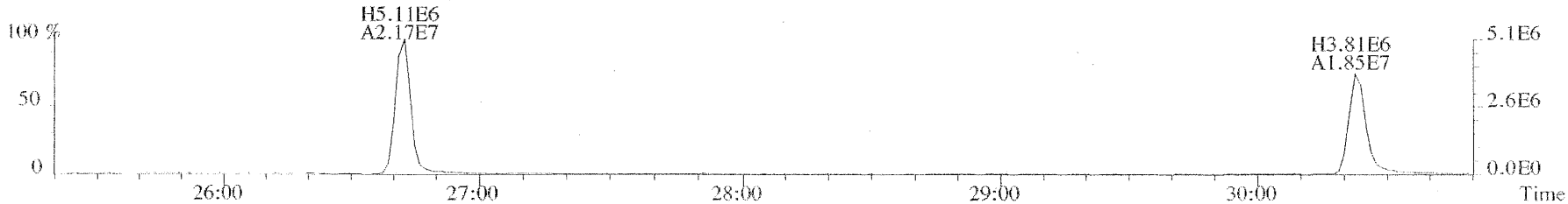
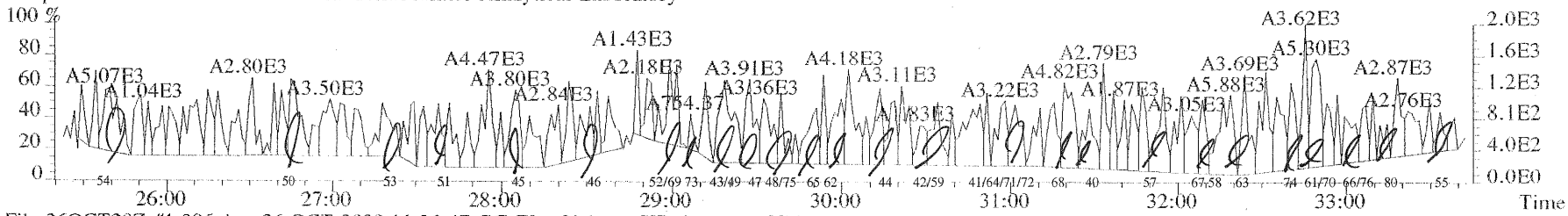
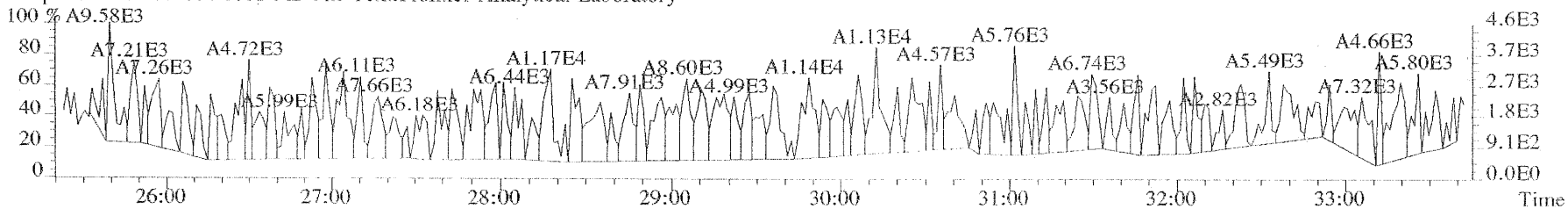
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



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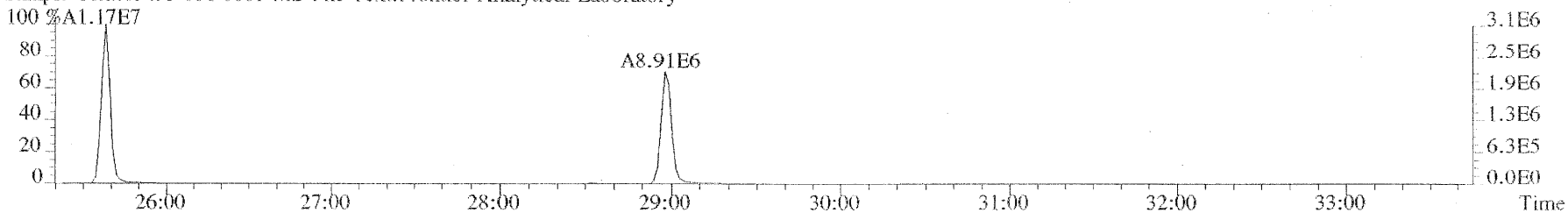
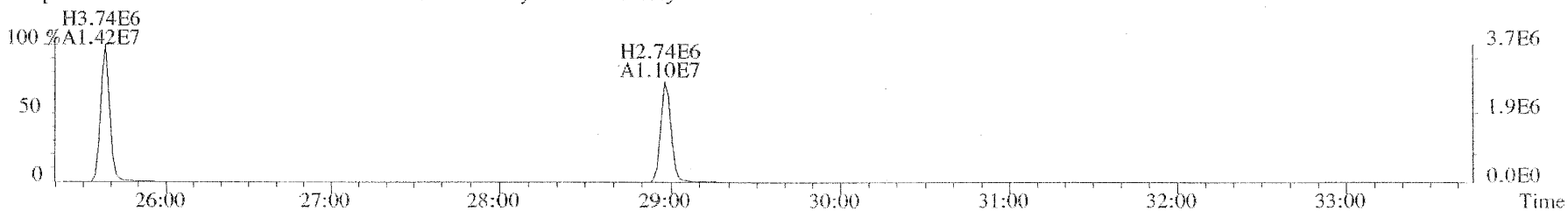
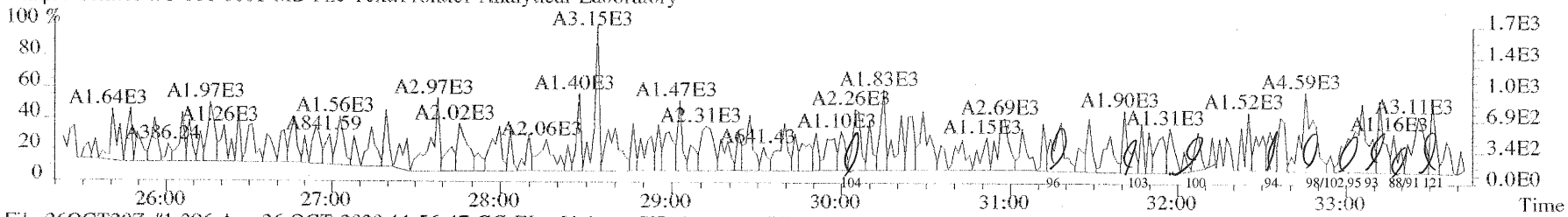
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



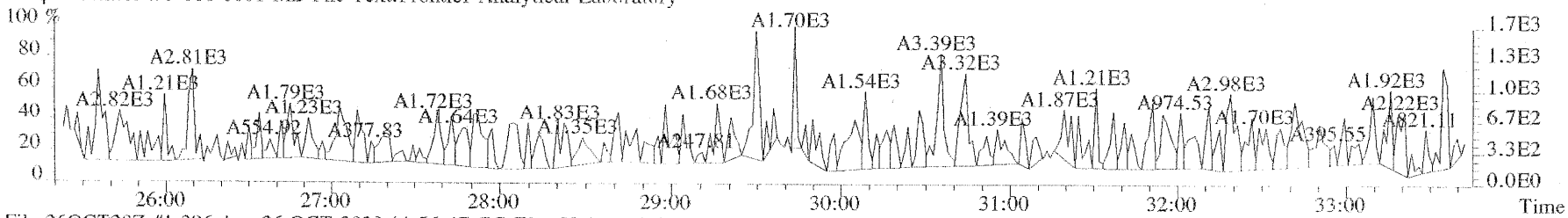
File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



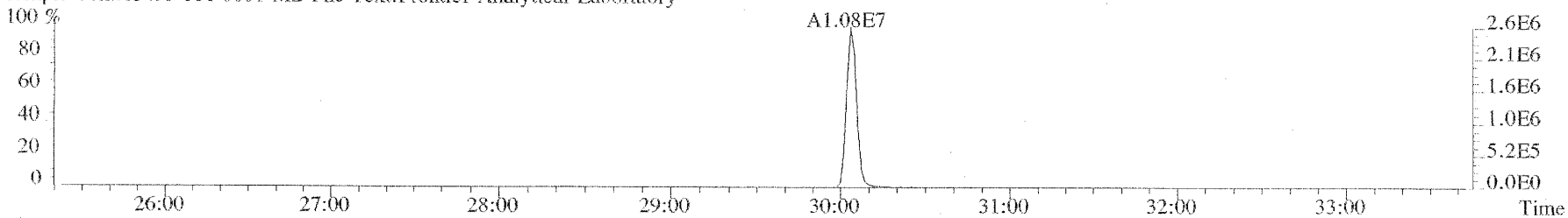
File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



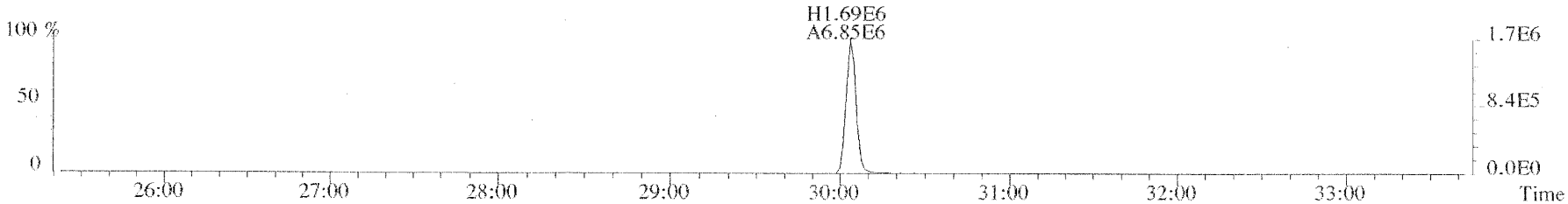
File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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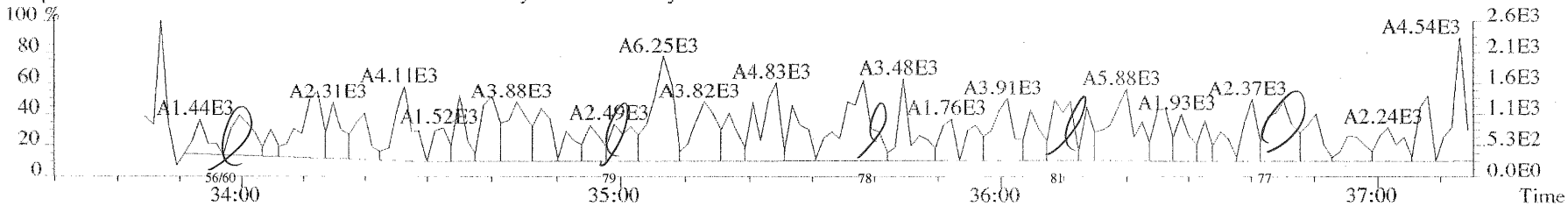
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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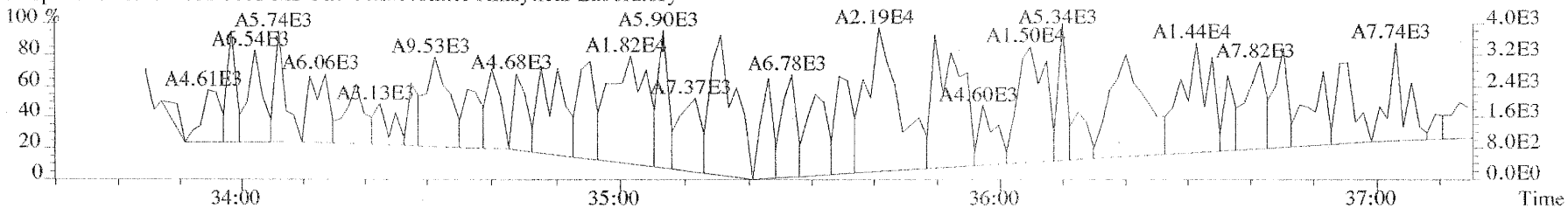

File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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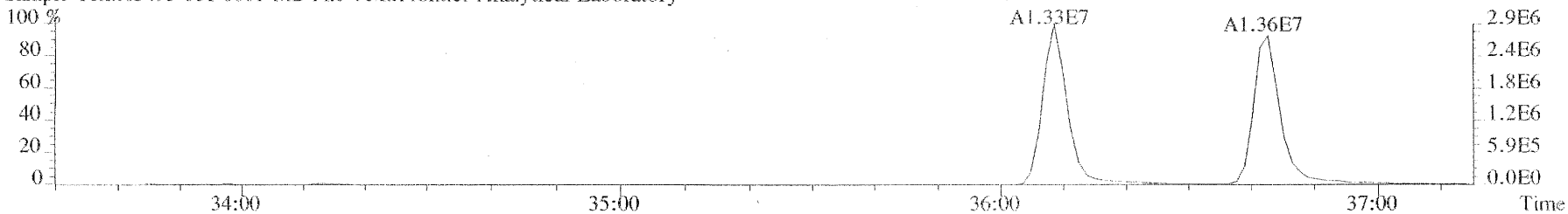

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303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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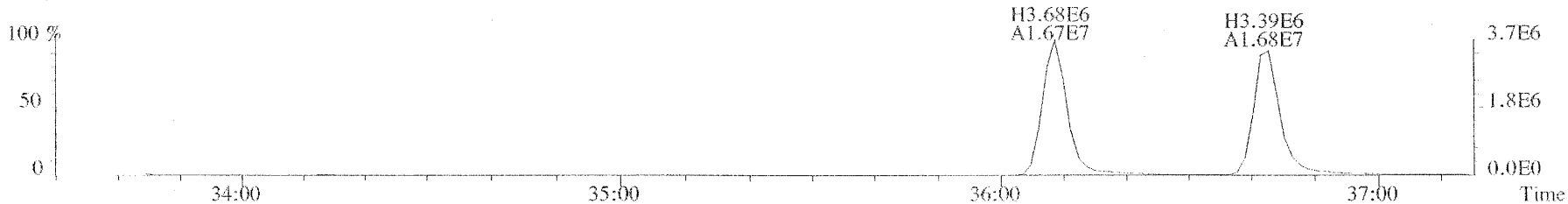

File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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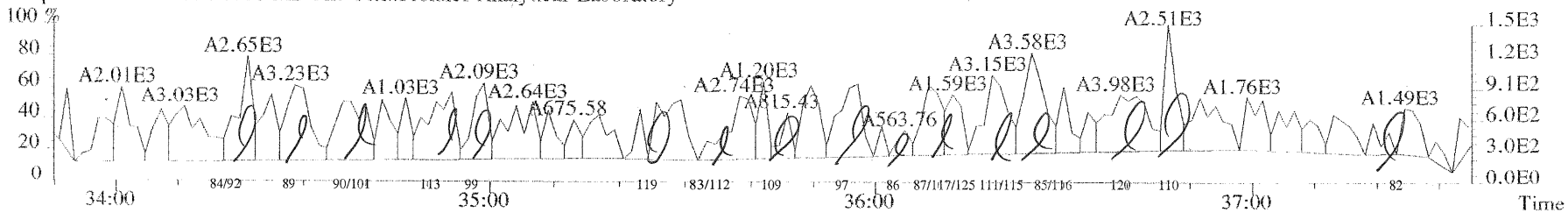
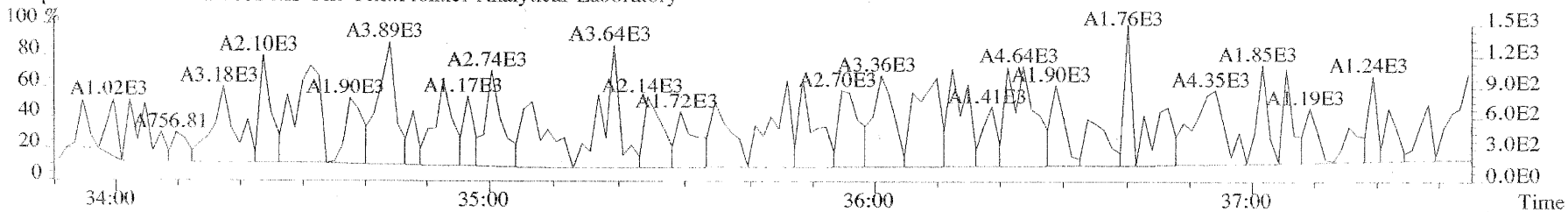


File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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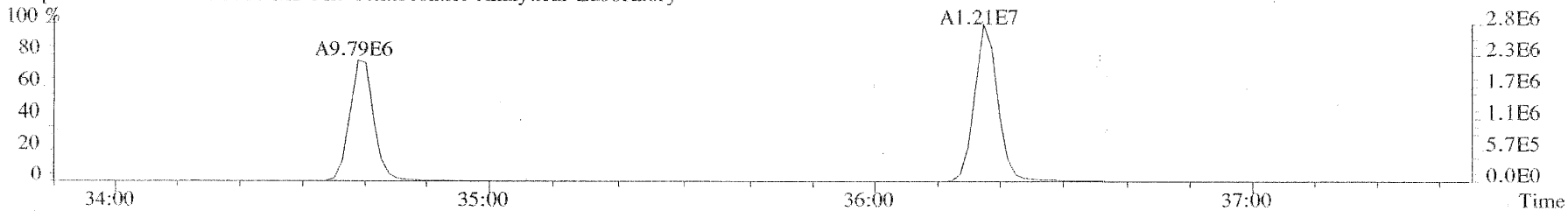
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
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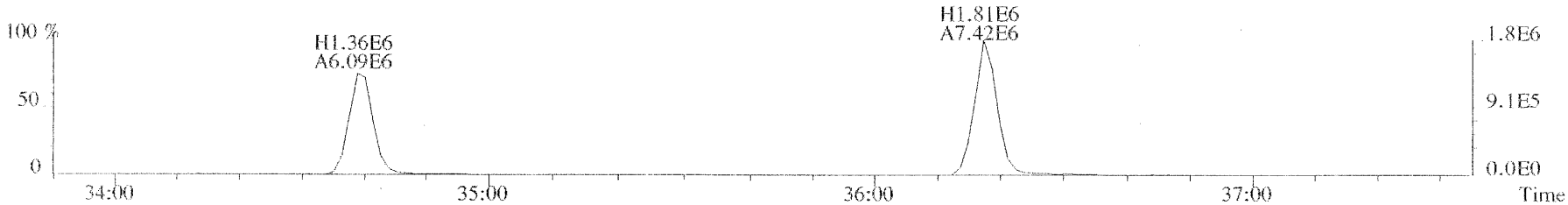
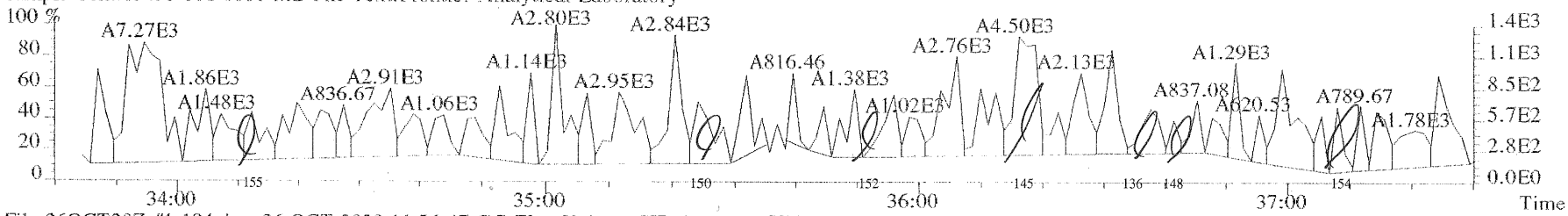
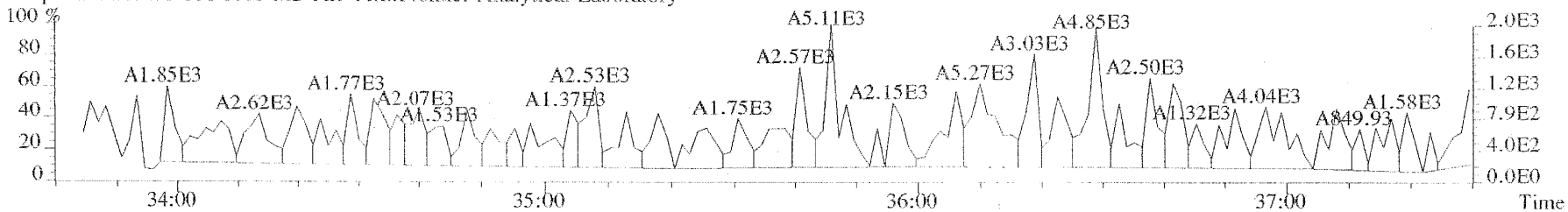
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



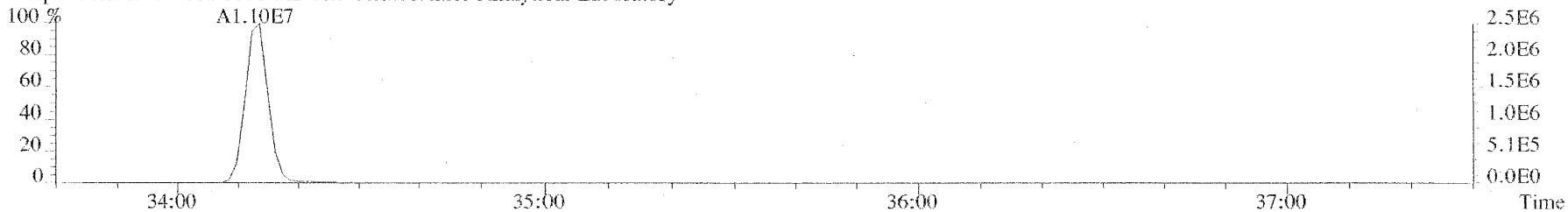
File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



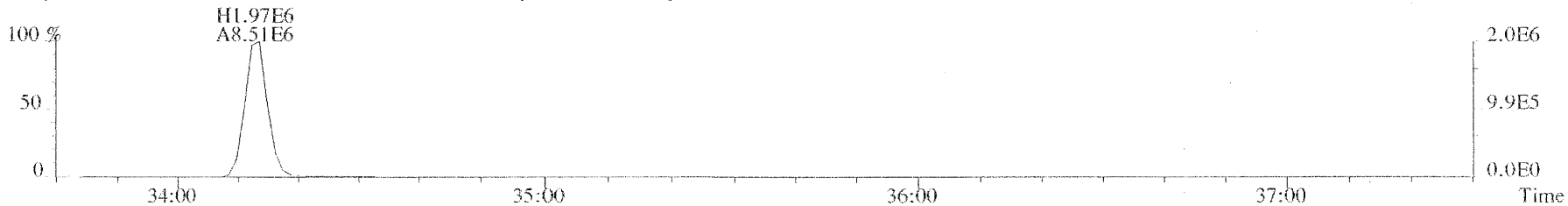
File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



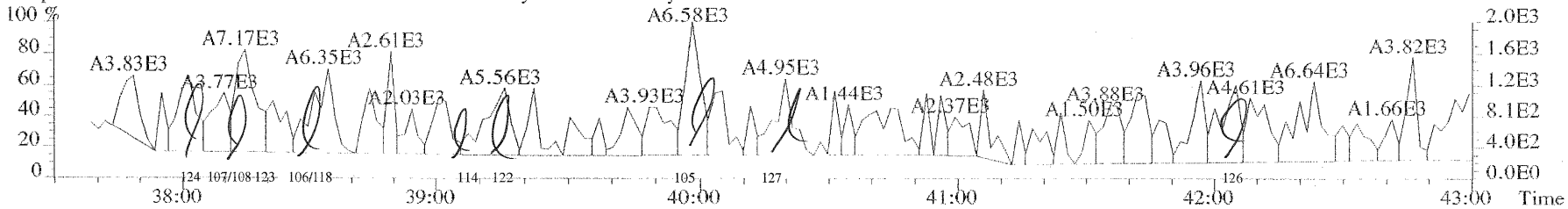
File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



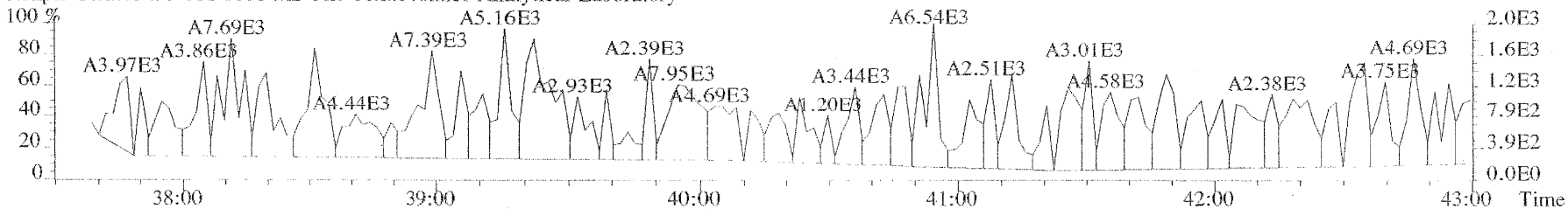
File:26OCT20Z #1-184 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



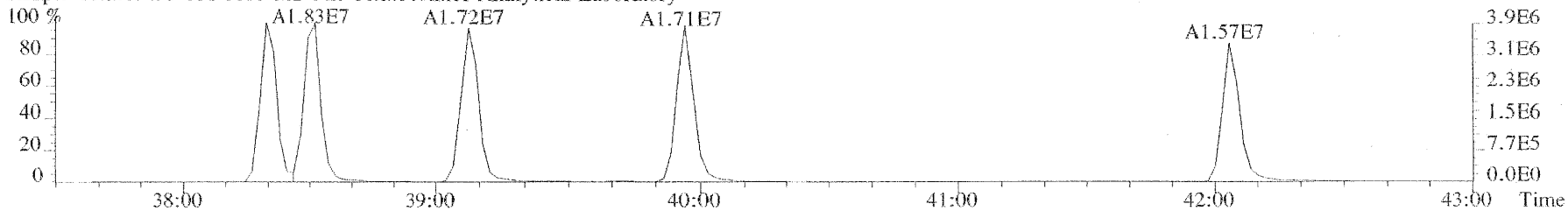
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



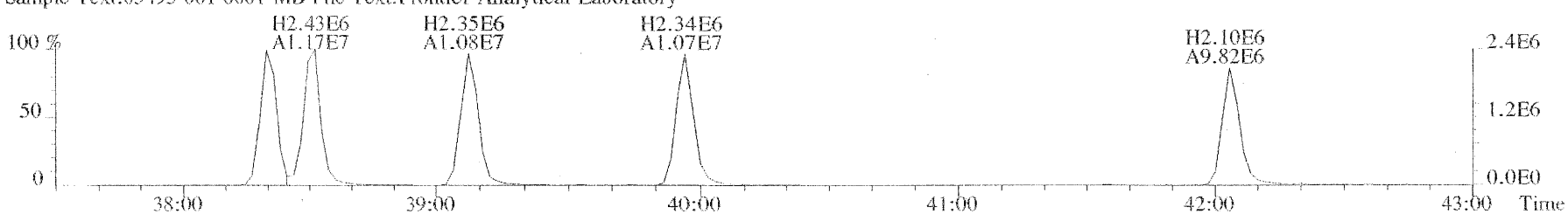
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



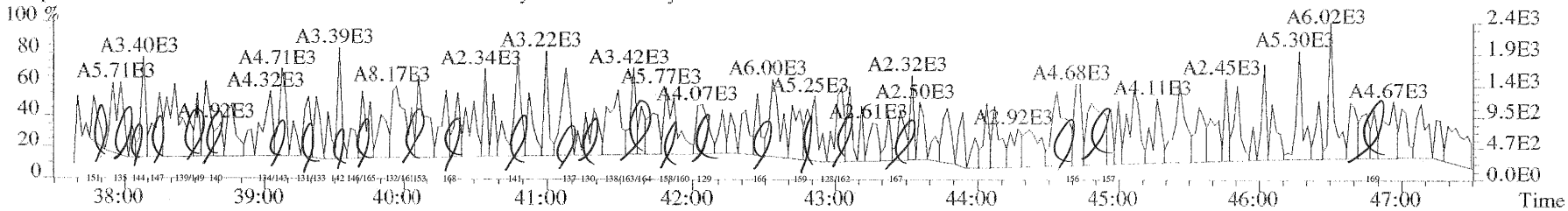
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



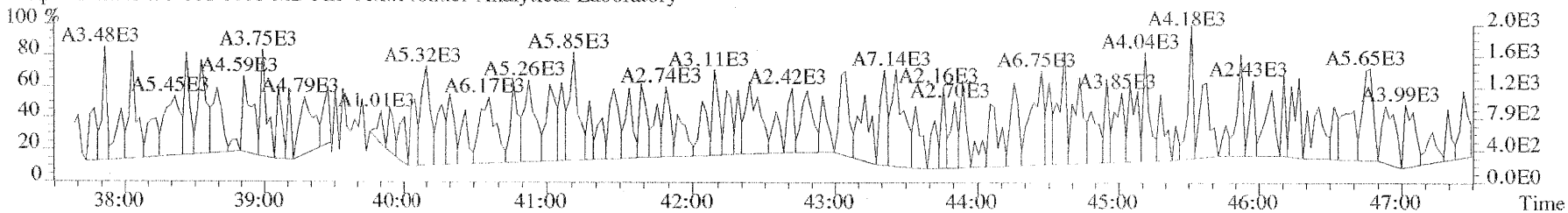
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



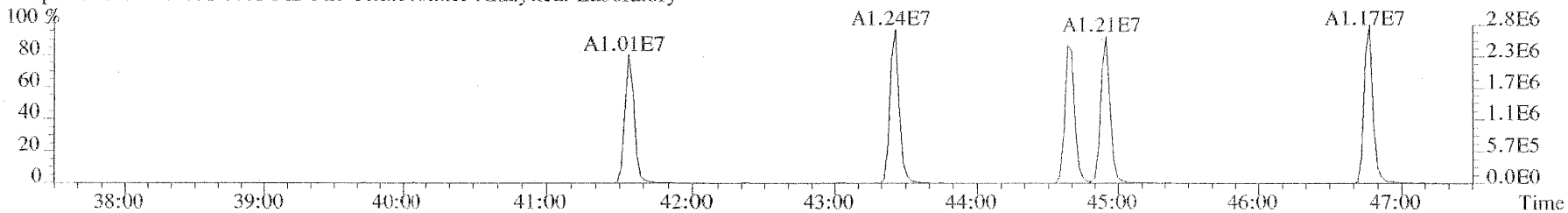
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



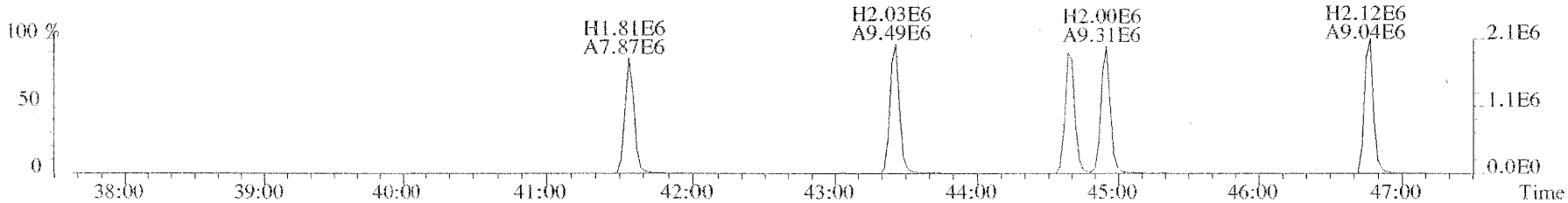
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



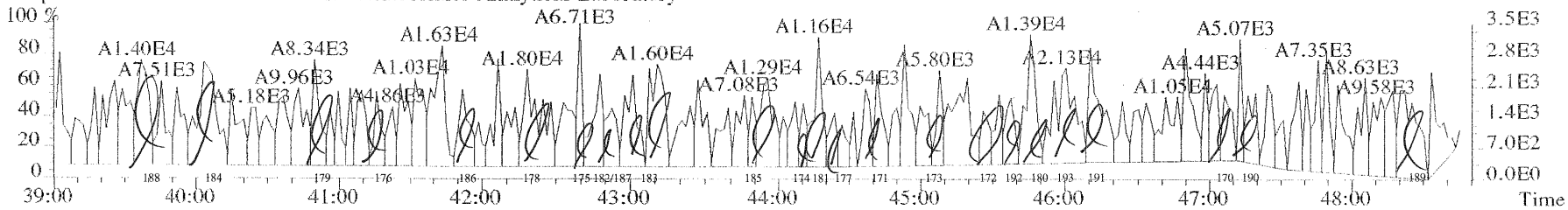
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



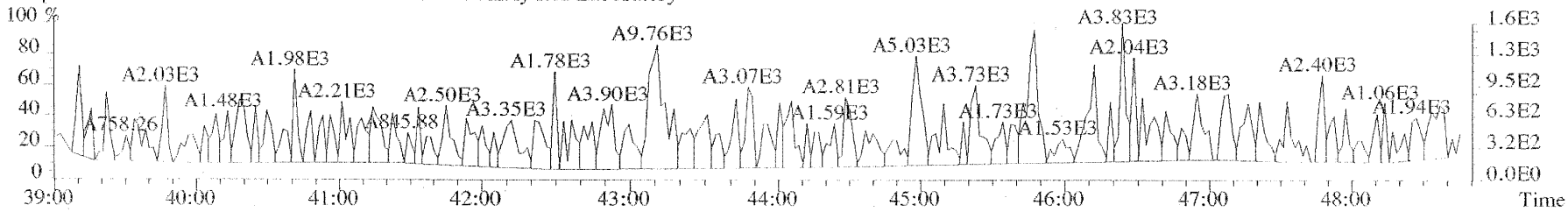
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



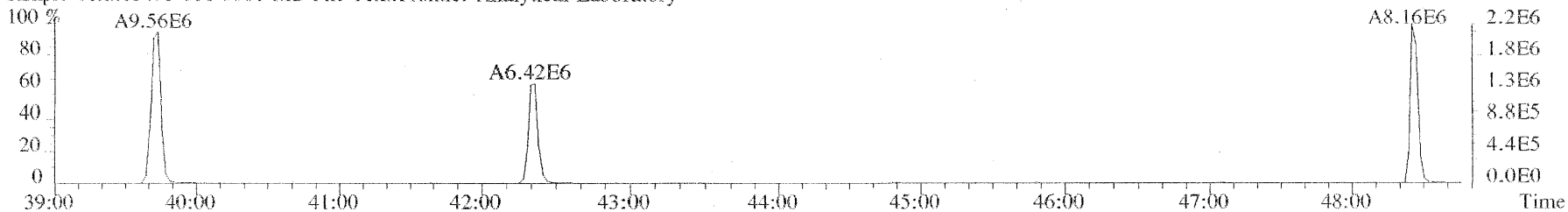
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



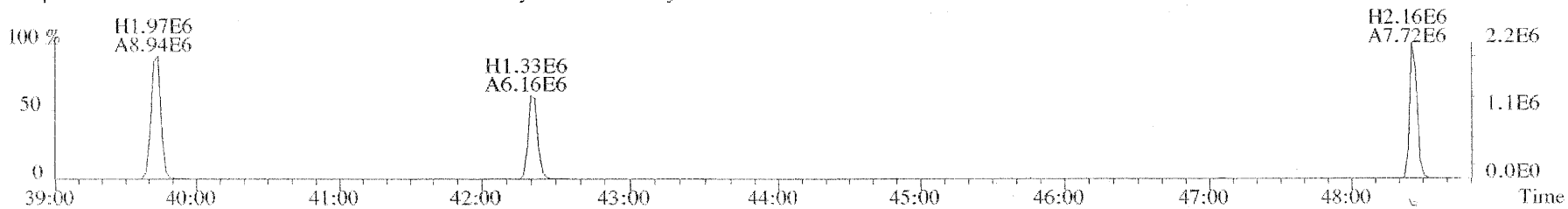
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



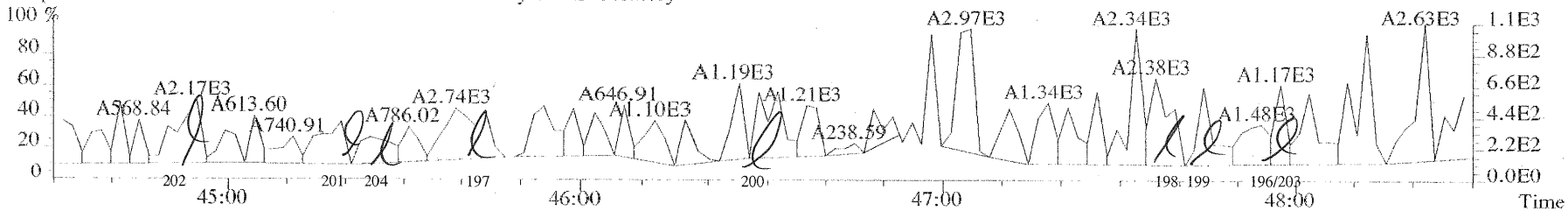
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



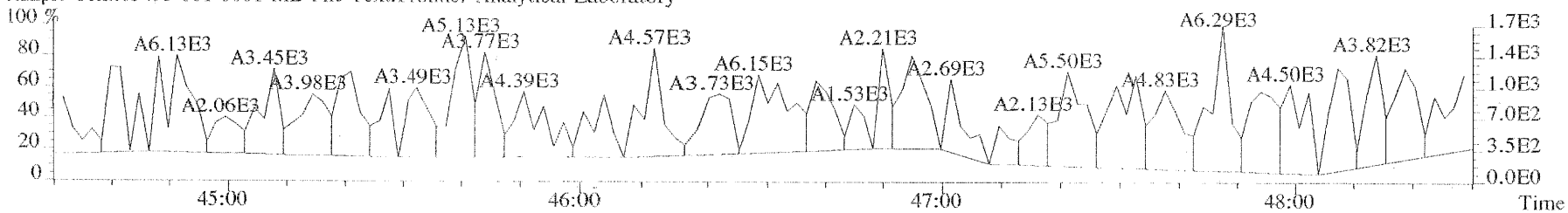
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



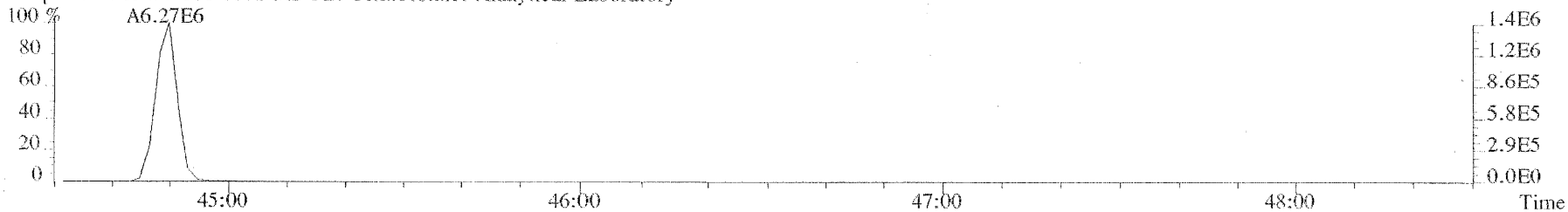
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



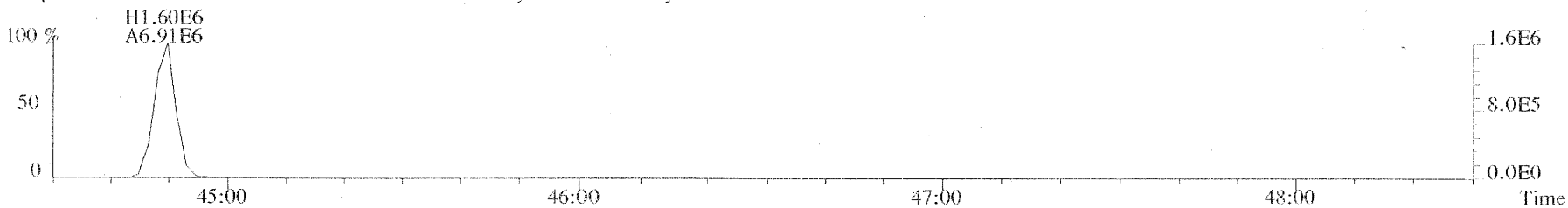
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



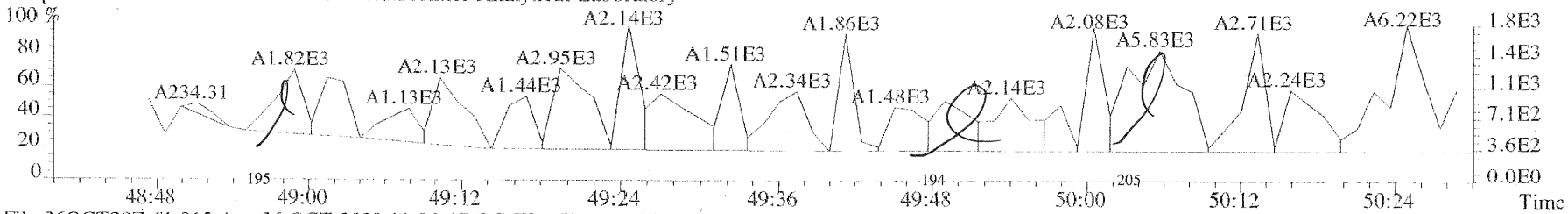
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



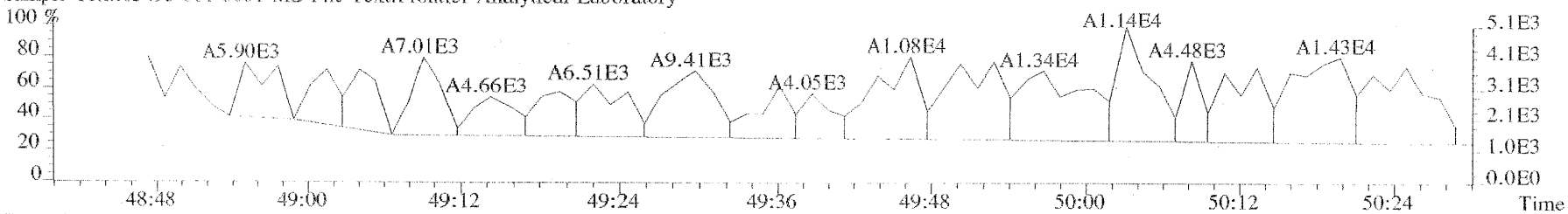
File:26OCT20Z #1-406 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



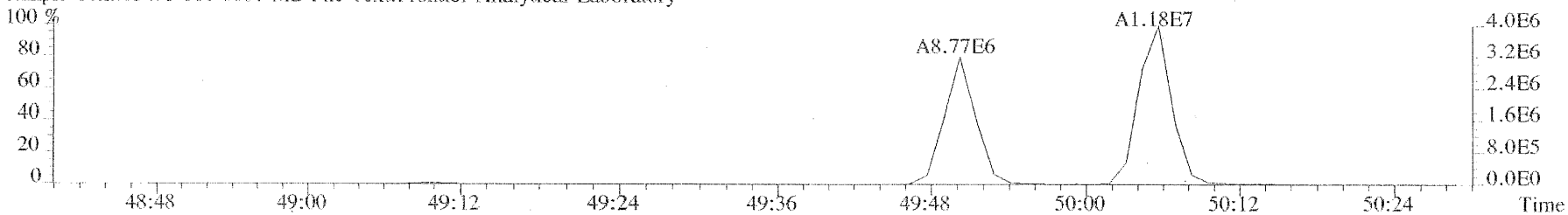
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



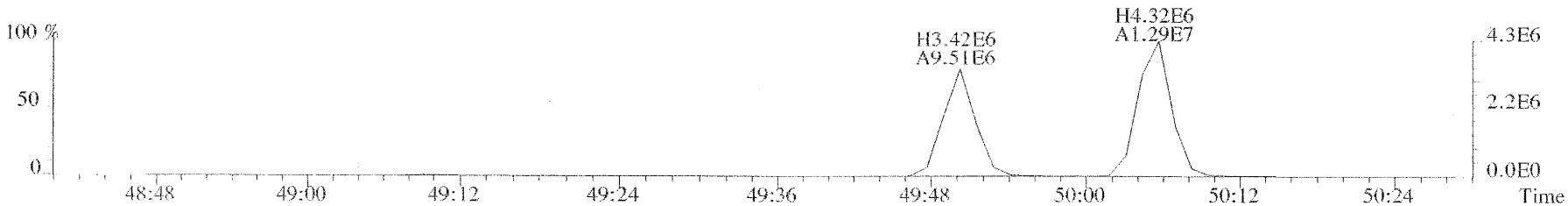
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



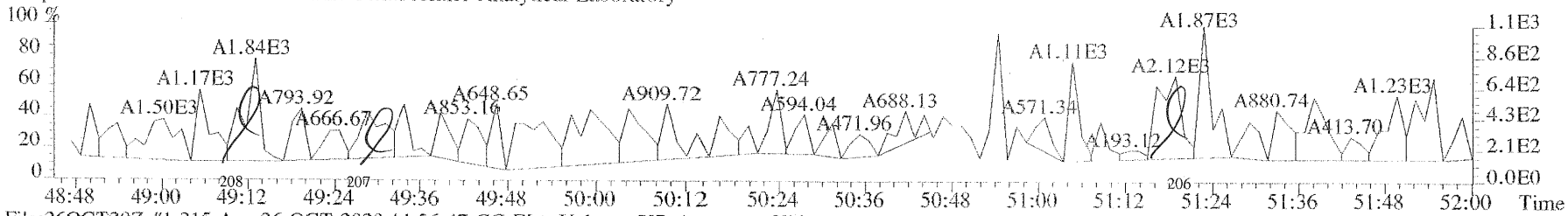
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



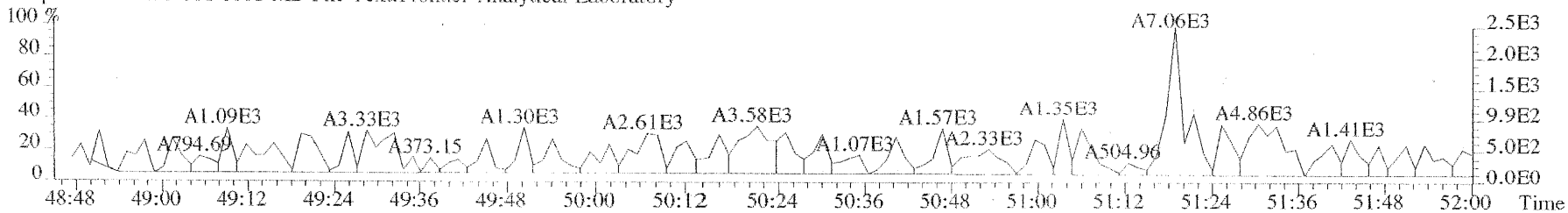
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



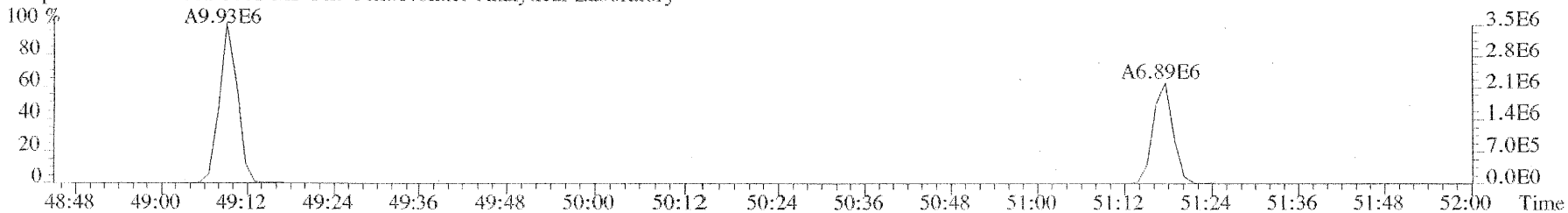
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



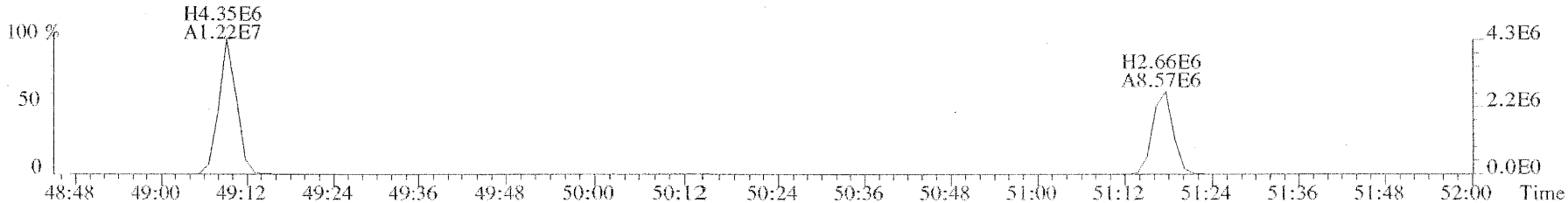
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



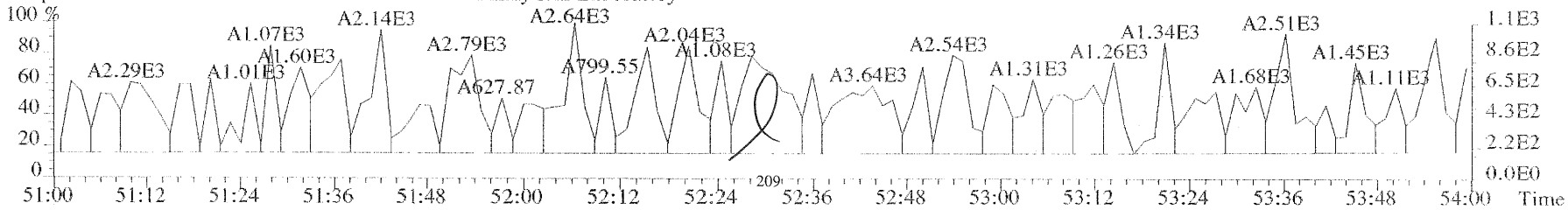
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



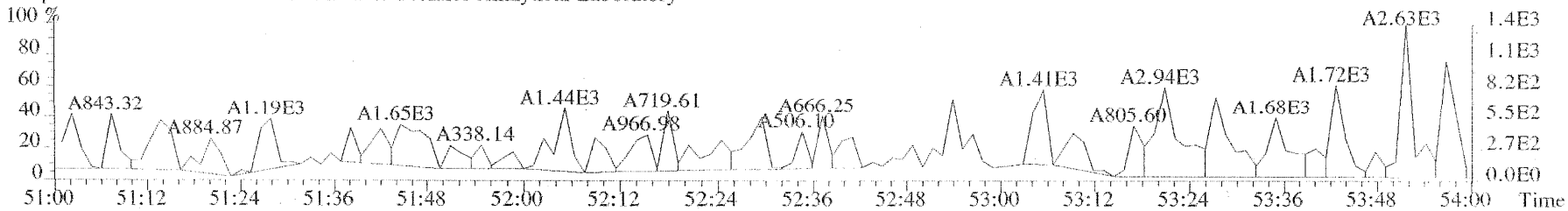
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



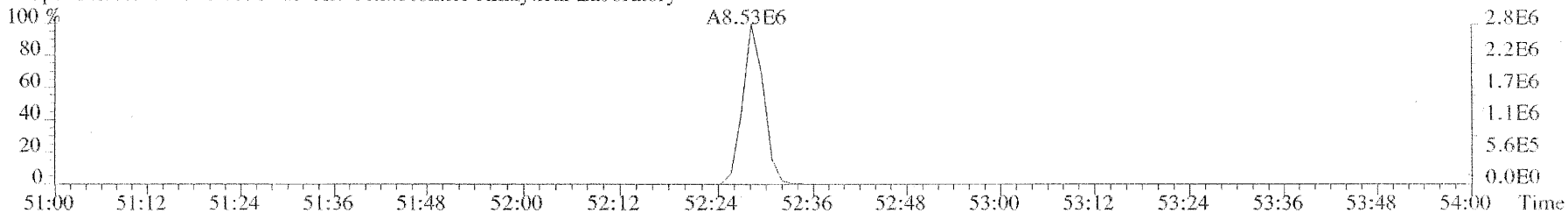
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



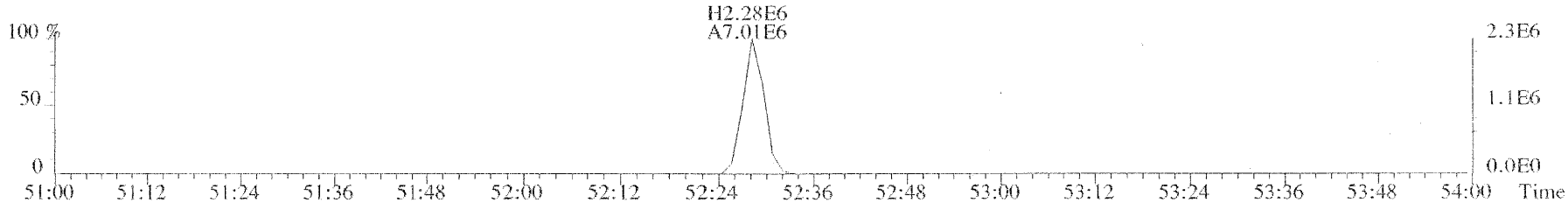
File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-MB File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-315 Acq:26-OCT-2020 11:56:47 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:05493-001-0001-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: 05493-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 26OCT20Z Sam:2

Ext. Date: 10/20/20 Shift: Day Analysis Date: 26-OCT-20 10:58:26

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	48.7	30.0 - 67.5
PCB-3	50	46.3	30.0 - 67.5
PCB-4	50	55.9	30.0 - 67.5
PCB-15	50	42.2	30.0 - 67.5
PCB-19	50	45.5	30.0 - 67.5
PCB-37	50	44.1	30.0 - 67.5
PCB-54	50	46.5	30.0 - 67.5
PCB-77	50	45.8	30.0 - 67.5
PCB-81	50	42.4	30.0 - 67.5
PCB-104	50	47.3	30.0 - 67.5
PCB-105	50	42.1	30.0 - 67.5
PCB-114	50	41.0	30.0 - 67.5
PCB-118	50	46.7	30.0 - 67.5
PCB-123	50	47.0	30.0 - 67.5
PCB-126	50	43.3	30.0 - 67.5
PCB-155	50	47.3	30.0 - 67.5
PCB-156	50	44.0	30.0 - 67.5
PCB-157	50	46.3	30.0 - 67.5
PCB-167	50	46.0	30.0 - 67.5
PCB-169	50	47.5	30.0 - 67.5
PCB-188	50	47.1	30.0 - 67.5
PCB-189	50	46.3	30.0 - 67.5
PCB-202	50	50.9	30.0 - 67.5
PCB-205	50	47.9	30.0 - 67.5
PCB-206	50	47.1	30.0 - 67.5
PCB-208	50	47.7	30.0 - 67.5
PCB-209	50	46.6	30.0 - 67.5

Analyst: [signature] Date: 10/26/20

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05493-001-0001-OPR

Matrix (aqueous/solid/leachate): Solvent OPR Data Filename: 26OCT20Z Sam:2

Ext. Date: 10/20/20 Shift: Day Analysis Date: 26-OCT-20 10:58:26

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	101	15.0 - 145
13C-PCB-3	100	102	15.0 - 145
13C-PCB-4	100	104	15.0 - 145
13C-PCB-15	100	101	15.0 - 145
13C-PCB-19	100	106	15.0 - 145
13C-PCB-37	100	103	15.0 - 145
13C-PCB-54	100	109	15.0 - 145
13C-PCB-77	100	103	40.0 - 145
13C-PCB-81	100	102	40.0 - 145
13C-PCB-104	100	113	40.0 - 145
13C-PCB-105	100	102	40.0 - 145
13C-PCB-114	100	105	40.0 - 145
13C-PCB-118	100	107	40.0 - 145
13C-PCB-123	100	107	40.0 - 145
13C-PCB-126	100	102	40.0 - 145
13C-PCB-155	100	114	40.0 - 145
13C-PCB-156	100	105	40.0 - 145
13C-PCB-157	100	104	40.0 - 145
13C-PCB-167	100	106	40.0 - 145
13C-PCB-169	100	101	40.0 - 145
13C-PCB-188	100	110	40.0 - 145
13C-PCB-189	100	109	40.0 - 145
13C-PCB-202	100	113	40.0 - 145
13C-PCB-205	100	107	40.0 - 145
13C-PCB-206	100	107	40.0 - 145
13C-PCB-208	100	110	40.0 - 145
13C-PCB-209	100	107	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	103	15.0 - 145
13C-PCB-111	100	94.5	40.0 - 145
13C-PCB-178	100	97.6	40.0 - 145

Analyst: [signature] Date: 10/28/20

FAL ID: 05493-001-0001-OPR Filename: 26OCT20Z Sam:2 Acquired: 26-OCT-20 10:58:26 ICal: DAILY209FAL4-10-26-20 1 of 2
Client ID: OPR ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13371-16 GC Column: DB1MS Amount: 1.000

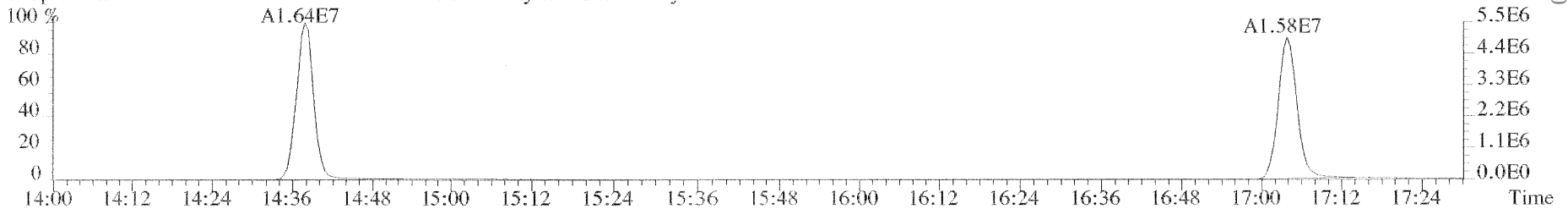
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.16e+07	3.18 y	14:38	1.30	48.7		2.50	-	-	*	
13C-PCB-1	3.42e+07	3.28 y	14:37	0.83	101		2.50				101
PCB-3	2.08e+07	3.12 y	17:04	1.34	46.3		2.50	-	-	*	
13C-PCB-3	3.35e+07	3.31 y	17:03	0.80	102		2.50				102
PCB-4	1.52e+07	1.51 y	18:19	1.01	55.9		2.50	-	-	*	
13C-PCB-4	2.70e+07	1.58 y	18:17	0.64	104		2.50				104
PCB-15	2.22e+07	1.55 y	23:50	1.24	42.2		2.50	-	-	*	
13C-PCB-15	4.24e+07	1.62 y	23:48	1.02	101		2.50				101
PCB-19	1.04e+07	1.06 y	22:12	1.31	45.5		2.50	-	-	*	
13C-PCB-19	1.75e+07	1.06 y	22:11	0.40	106		2.50				106
13C-PCB-9	4.10e+07	1.60 y	19:58	-	75.7		2.50				
PCB-37	1.78e+07	1.05 y	30:29	1.20	44.1		2.50	-	-	*	
13C-PCB-37	3.36e+07	1.08 y	30:27	1.83	103		2.50				103
PCB-54	1.32e+07	0.82 y	25:44	1.30	46.5		2.50	-	-	*	
13C-PCB-54	2.19e+07	0.82 y	25:43	1.12	109		2.50				109
PCB-104	9.10e+06	1.58 y	30:10	1.20	47.3		2.50	-	-	*	
13C-PCB-104	1.60e+07	1.58 y	30:08	0.79	113		2.50				113
13C-PCB-28	3.73e+07	1.05 y	26:46	2.03	103		2.50				103
13C-PCB-52	1.79e+07	0.81 y	29:03	-	69.5		2.50				
PCB-81	1.52e+07	0.81 y	36:14	1.29	42.4		2.50	-	-	*	
13C-PCB-81	2.79e+07	0.79 y	36:12	1.82	102		2.50				102
PCB-77	1.50e+07	0.80 y	36:48	1.13	45.8		2.50	-	-	*	
13C-PCB-77	2.89e+07	0.81 y	36:46	1.87	103		2.50				103
PCB-155	9.34e+06	1.23 y	34:19	1.12	47.3		2.50	-	-	*	
13C-PCB-155	1.77e+07	1.29 y	34:17	1.04	114		2.50				114
13C-PCB-111	1.82e+07	1.59 y	36:21	1.29	94.5		2.50				94.5
13C-PCB-101	1.50e+07	1.63 y	34:44	-	70.1		2.50				
PCB-123	1.30e+07	1.57 y	38:24	1.11	47.0		2.50	-	-	*	
13C-PCB-123	2.50e+07	1.57 y	38:24	1.40	107		2.50				107
PCB-118	1.44e+07	1.54 y	38:36	1.14	46.7		2.50	-	-	*	
13C-PCB-118	2.70e+07	1.62 y	38:34	1.51	107		2.50				107
PCB-114	1.33e+07	1.56 y	39:12	1.24	41.0		2.50	-	-	*	
13C-PCB-114	2.62e+07	1.59 y	39:11	1.49	105		2.50				105
PCB-105	1.30e+07	1.55 y	40:02	1.22	42.1		2.50	-	-	*	
13C-PCB-105	2.53e+07	1.62 y	39:60	1.49	102		2.50				102
PCB-126	1.25e+07	1.56 y	42:07	1.19	43.3		2.50	-	-	*	
13C-PCB-126	2.42e+07	1.58 y	42:07	1.42	102		2.50				102
PCB-167	1.15e+07	1.26 y	43:29	1.20	46.0		2.50	-	-	*	
13C-PCB-167	2.08e+07	1.30 y	43:27	1.18	106		2.50				106
PCB-156	1.15e+07	1.27 y	44:43	1.29	44.0		2.50	-	-	*	
13C-PCB-156	2.03e+07	1.31 y	44:41	1.15	105		2.50				105
PCB-157	1.14e+07	1.27 y	44:58	1.21	46.3		2.50	-	-	*	
13C-PCB-157	2.04e+07	1.29 y	44:56	1.17	104		2.50				104
PCB-169	1.10e+07	1.24 y	46:48	1.17	47.5		2.50	-	-	*	
13C-PCB-169	1.98e+07	1.28 y	46:48	1.18	101		2.50				101
PCB-188	9.25e+06	1.08 y	39:47	1.16	47.1		2.50	-	-	*	
13C-PCB-188	1.69e+07	1.06 y	39:47	0.93	110		2.50				110
PCB-189	8.65e+06	1.05 y	48:29	1.16	46.3		2.50	-	-	*	
13C-PCB-189	1.61e+07	1.06 y	48:27	0.88	109		2.50				109
PCB-202	7.05e+06	0.86 y	44:53	1.08	50.9		2.50	-	-	*	
13C-PCB-202	1.28e+07	0.92 y	44:51	0.68	113		2.50				113
13C-PCB-178	1.15e+07	1.06 y	42:23	0.71	97.6		2.50				97.6
13C-PCB-138	1.67e+07	1.32 y	41:37	-	72.0		2.50				

FAL ID: 05493-001-0001-OPR Filename: 26OCT20Z Sam:2 Acquired: 26-OCT-20 10:58:26 ICal: DAILY209FAL4-10-26-202 of 2
Client ID: OPR ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13371-16 GC Column: DB1MS Amount: 1.000

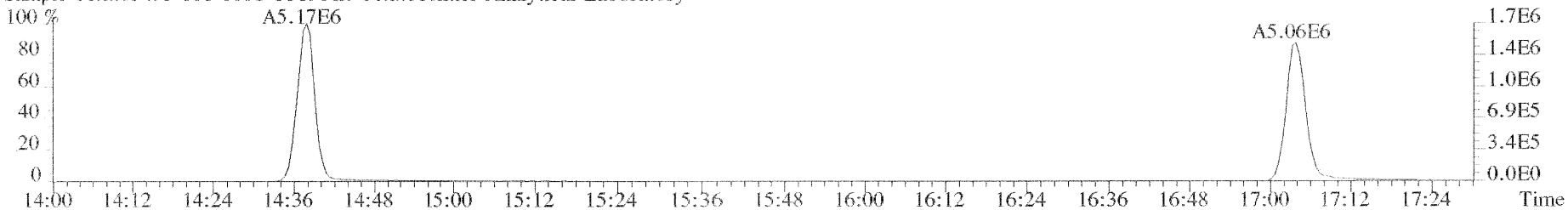
PCB-205	1.33e+07	0.89	y	50:07	1.14	47.9	2.50	-	-	*	
13C-PCB-205	2.43e+07	0.90	y	50:06	1.22	107	2.50				107
PCB-208	1.10e+07	1.36	y	49:11	1.12	47.7	2.50	-	-	*	
13C-PCB-208	2.07e+07	0.81	y	49:11	1.00	110	2.50				110
PCB-206	8.29e+06	1.36	y	51:19	1.15	47.1	2.50	-	-	*	
13C-PCB-206	1.53e+07	0.79	y	51:18	0.77	107	2.50				107
PCB-209	9.08e+06	1.22	y	52:30	1.24	46.6	2.50	-	-	*	
13C-PCB-209	1.58e+07	1.22	y	52:30	0.79	107	2.50				107
13C-PCB-194	1.87e+07	0.91	y	49:51	-	76.5	2.50				

Analyst: _____ Date: 10/28/20

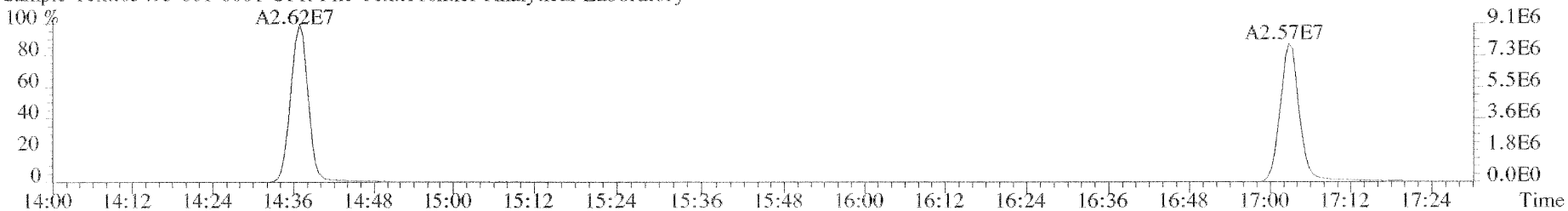
File:26OCT20Z #1-784 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



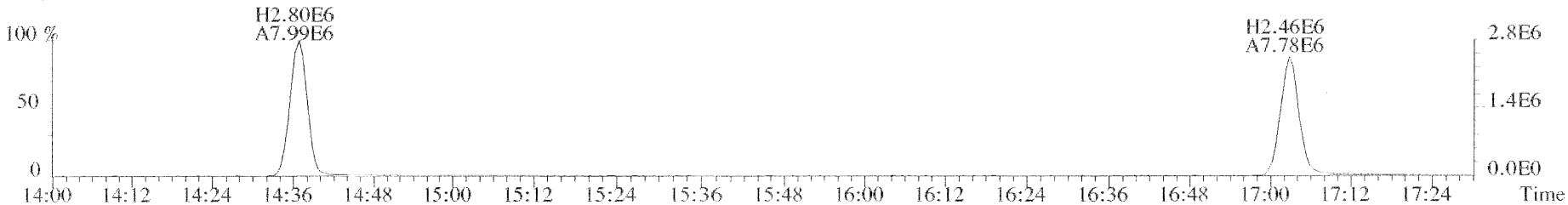
File:26OCT20Z #1-784 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



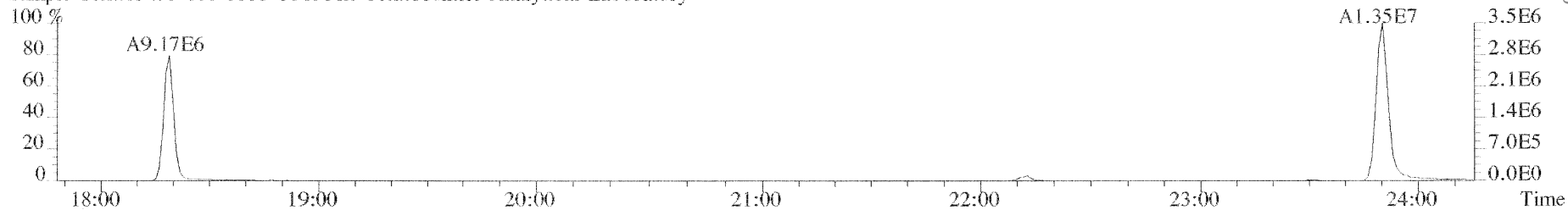
File:26OCT20Z #1-784 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



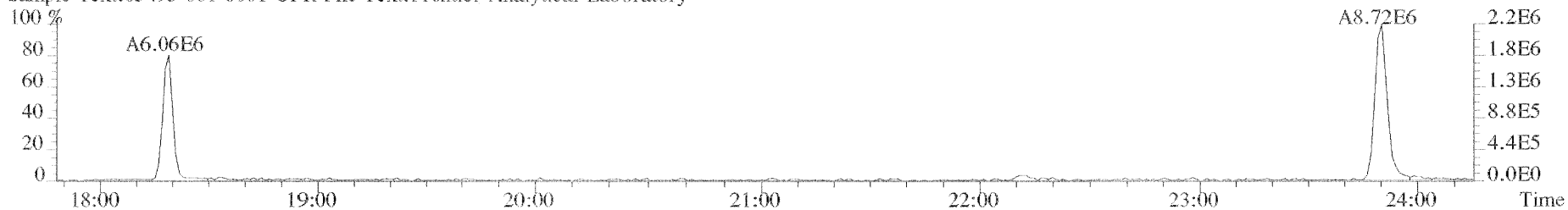
File:26OCT20Z #1-784 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



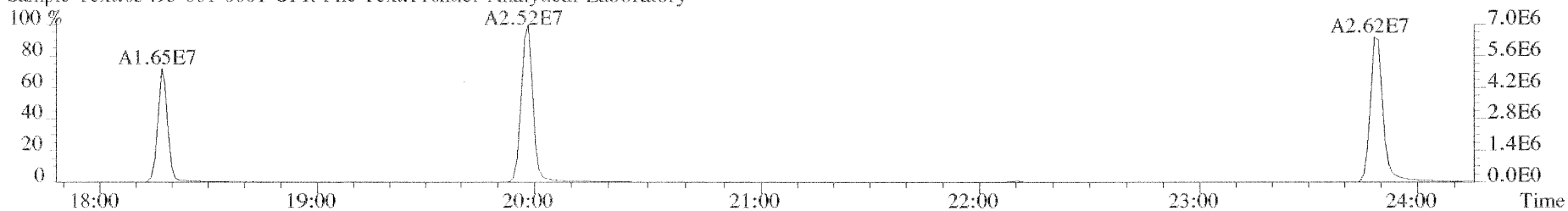
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



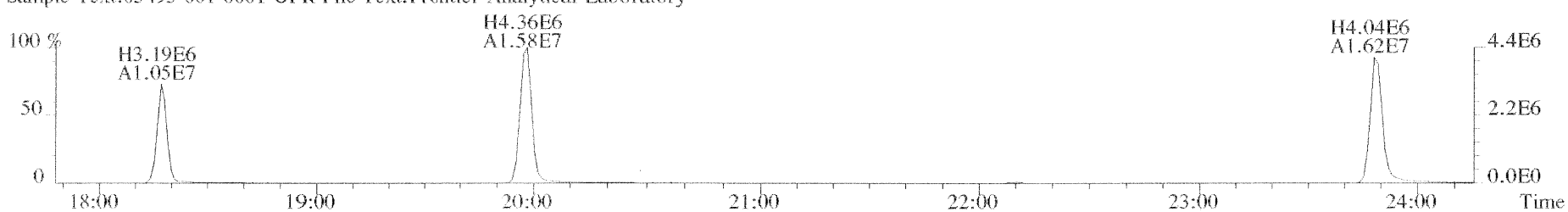
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



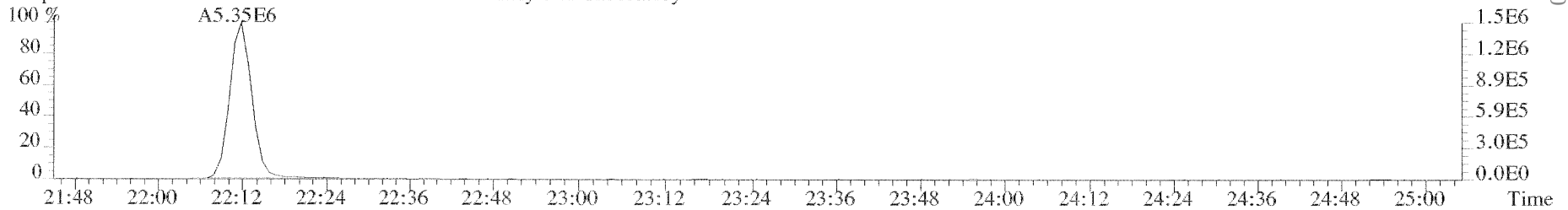
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



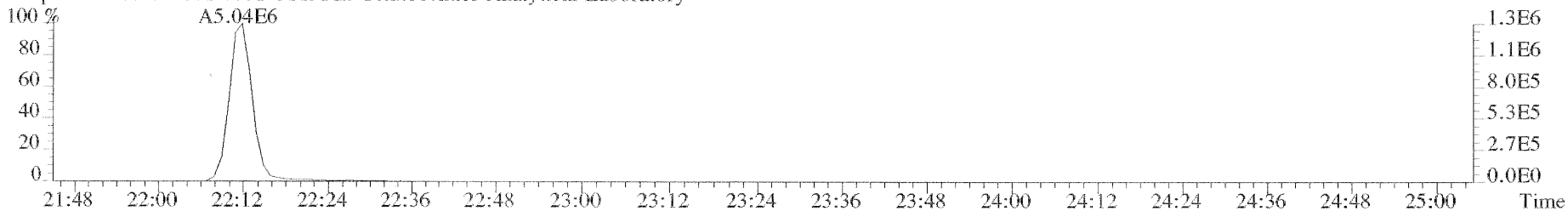
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



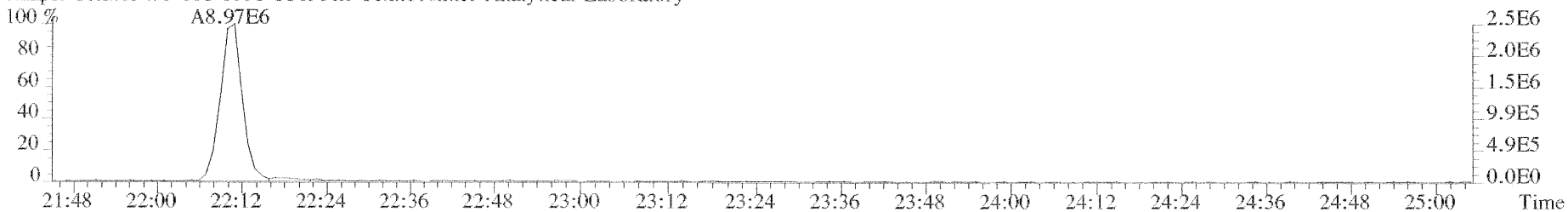
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



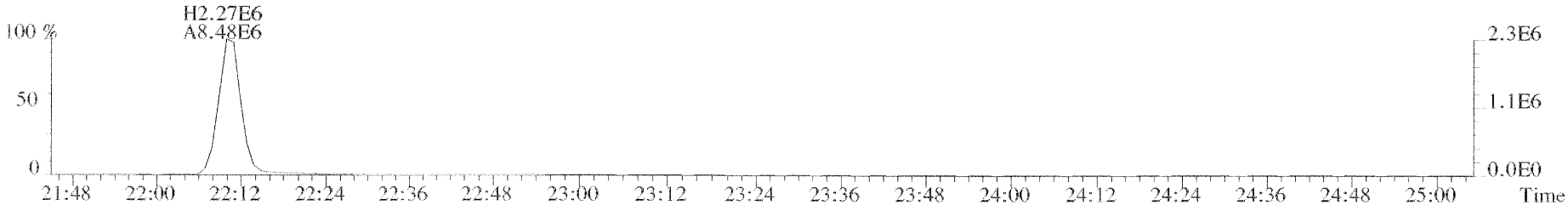
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



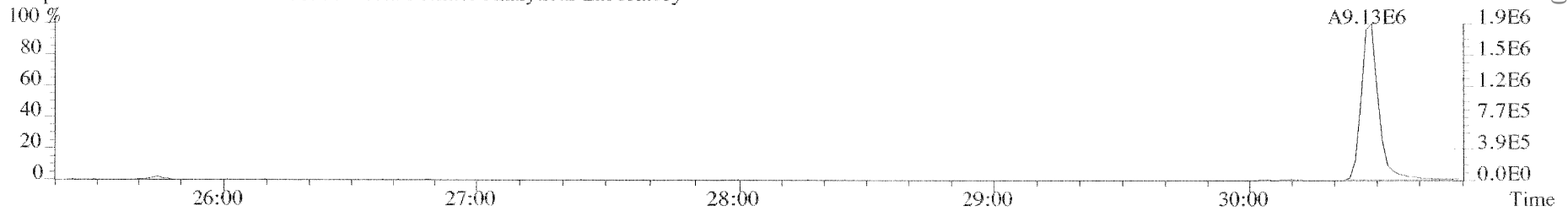
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



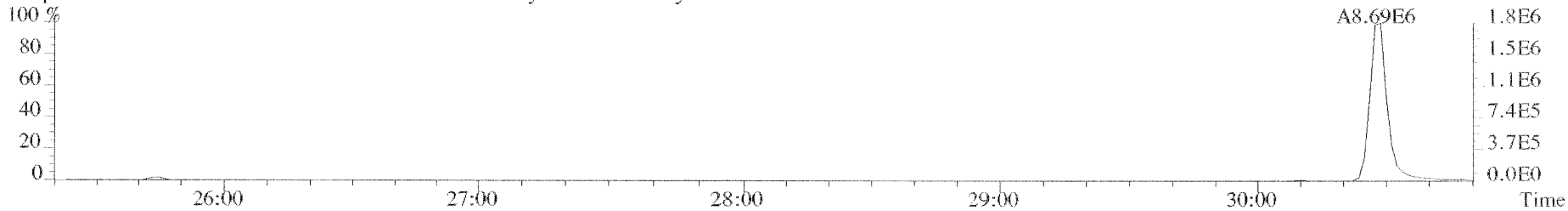
File:26OCT20Z #1-467 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



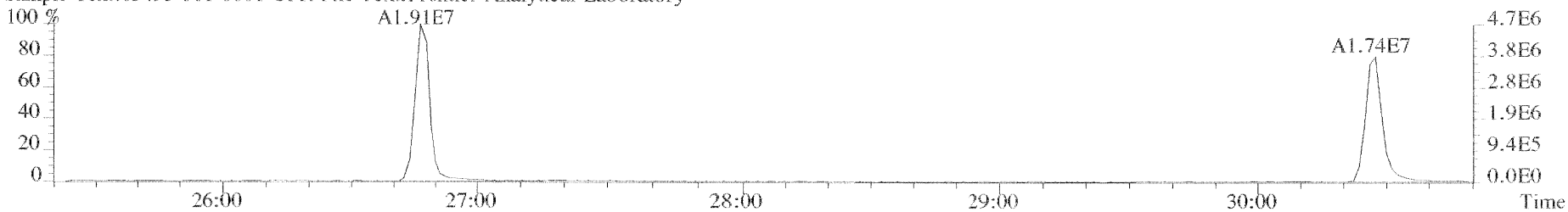
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



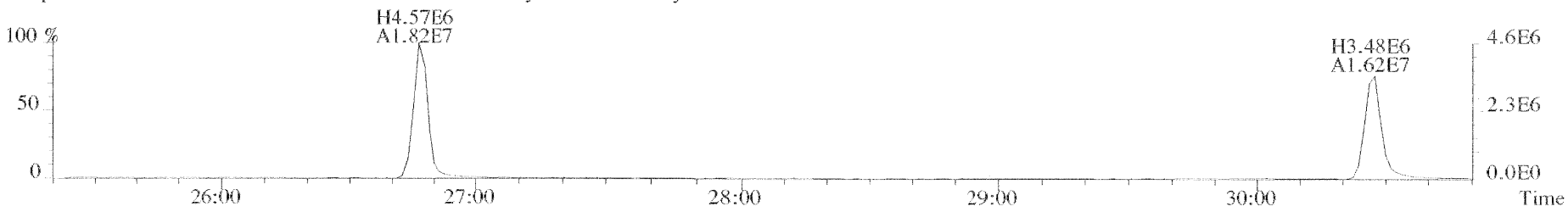
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



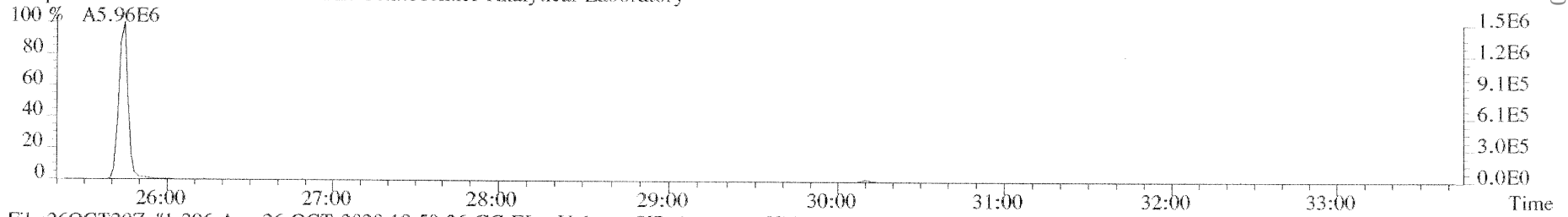
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



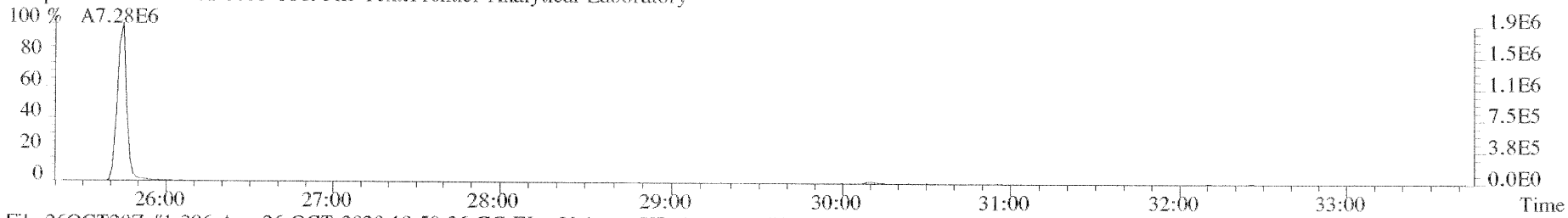
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



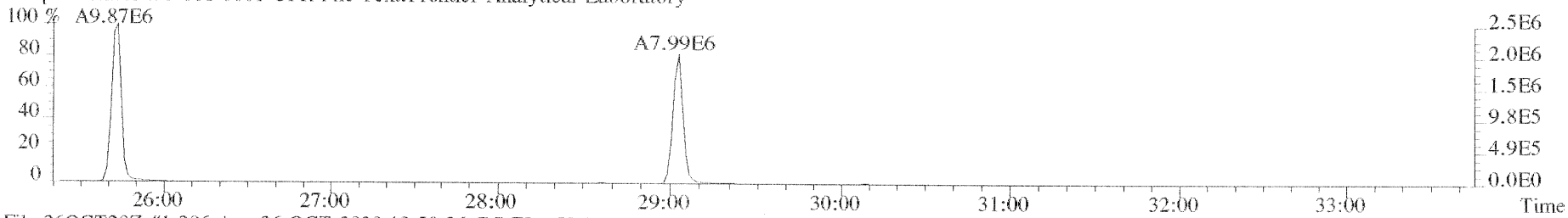
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



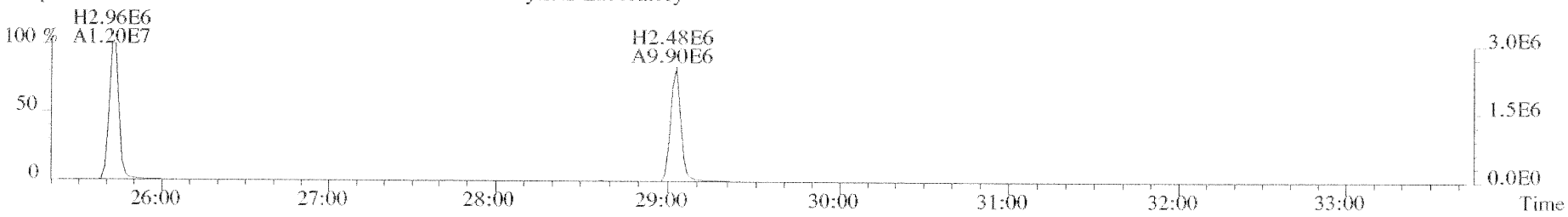
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



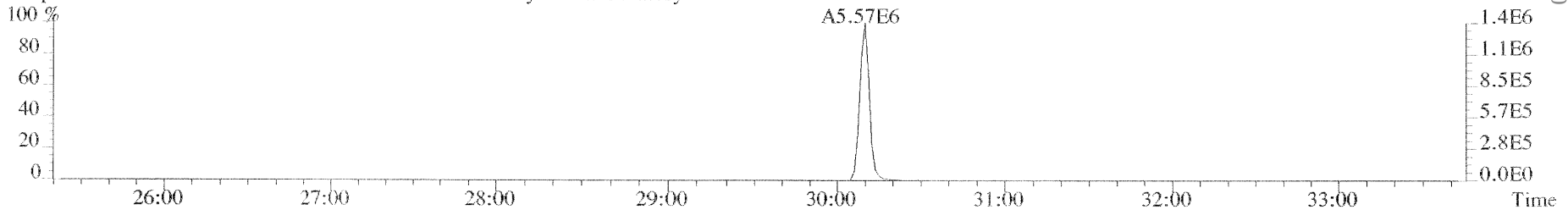
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



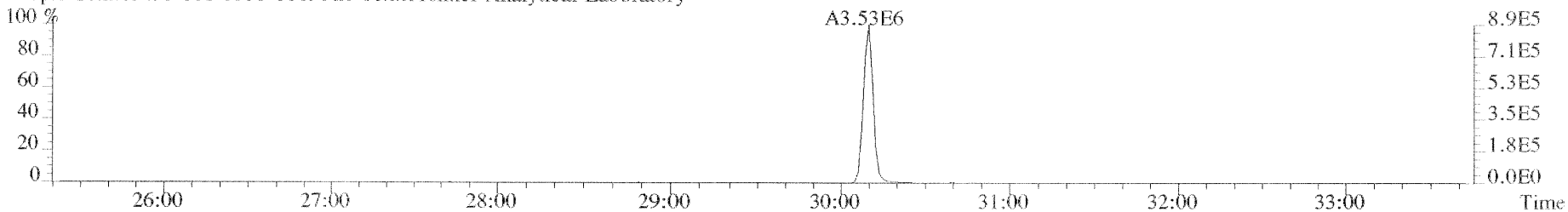
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



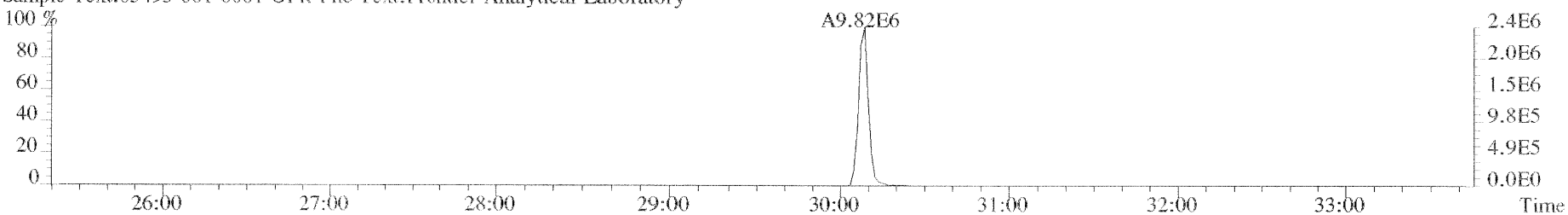
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



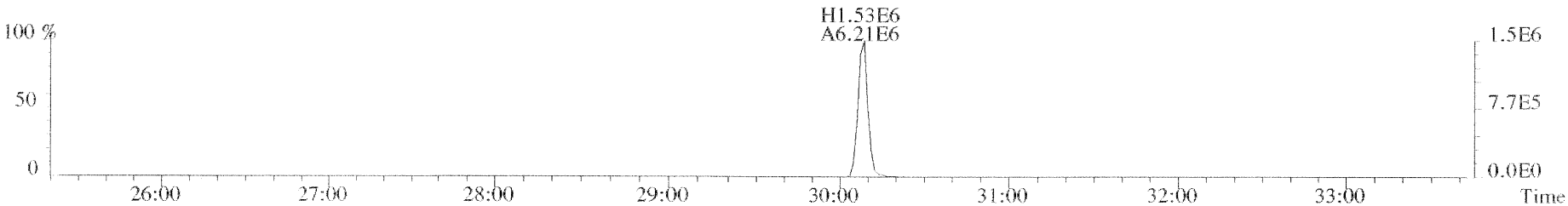
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



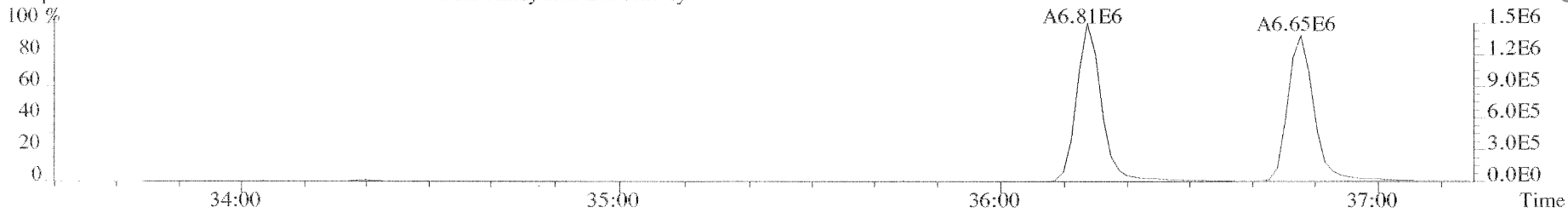
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



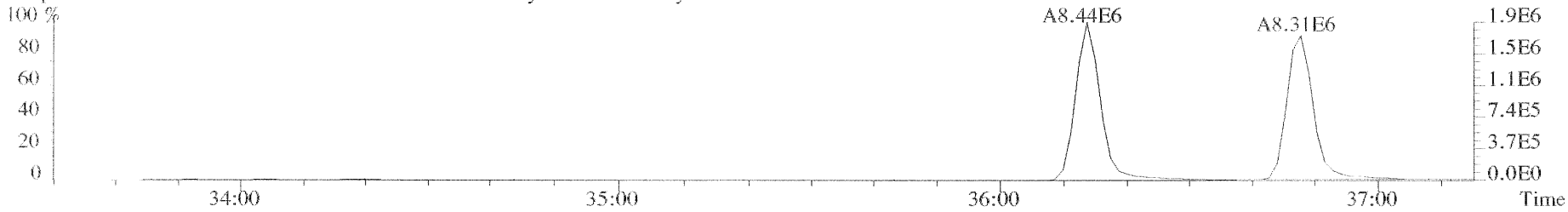
File:26OCT20Z #1-396 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



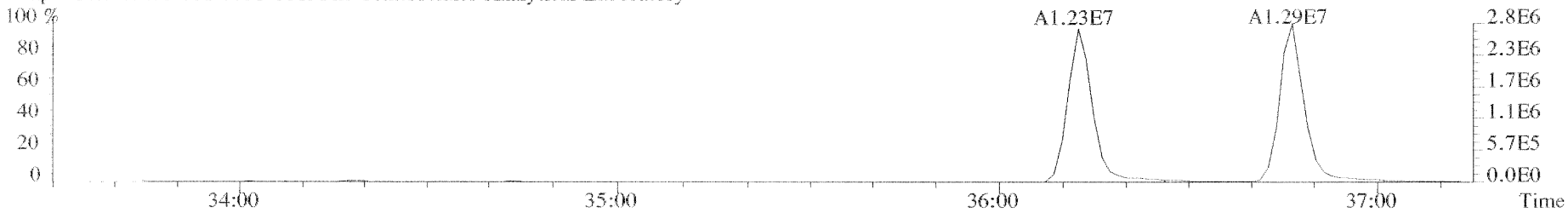
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



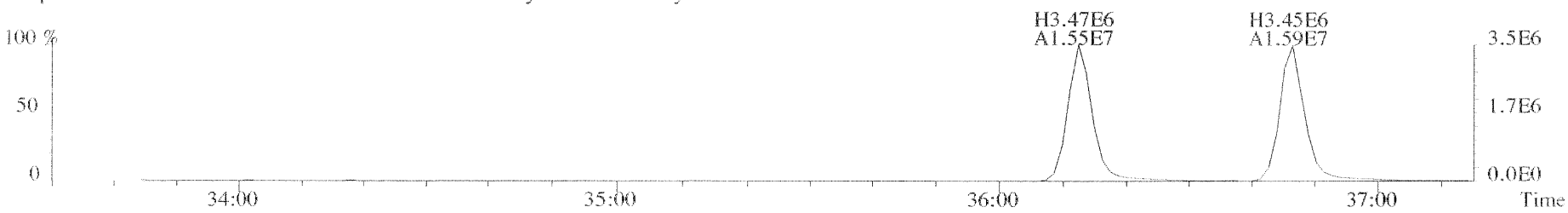
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



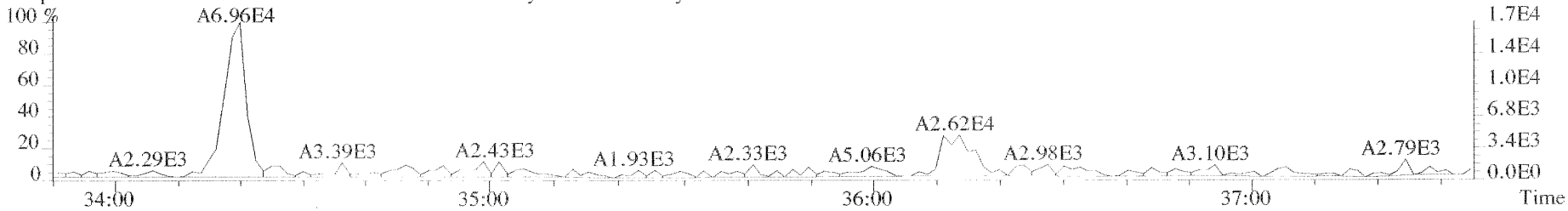
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



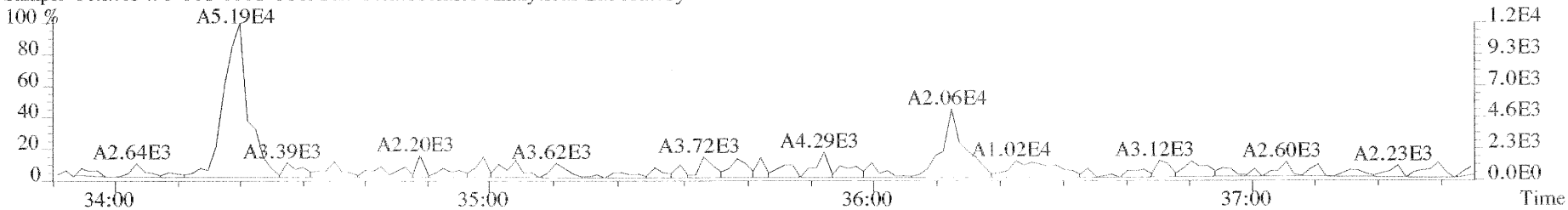
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



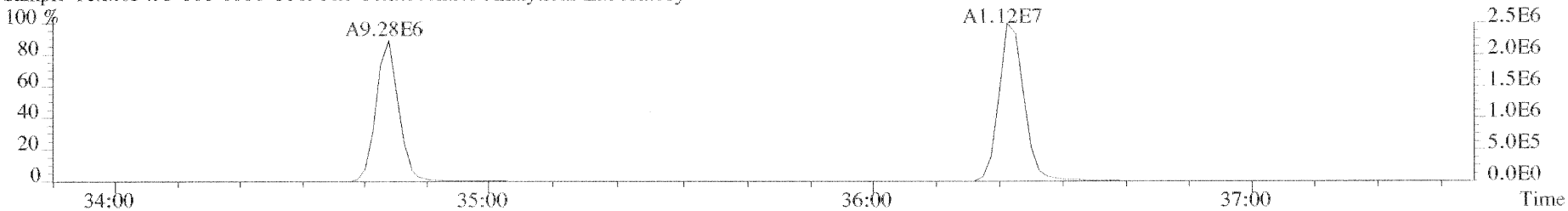
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



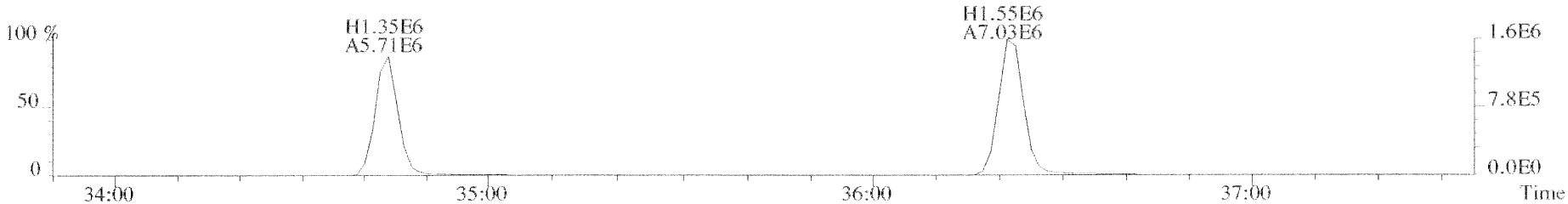
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



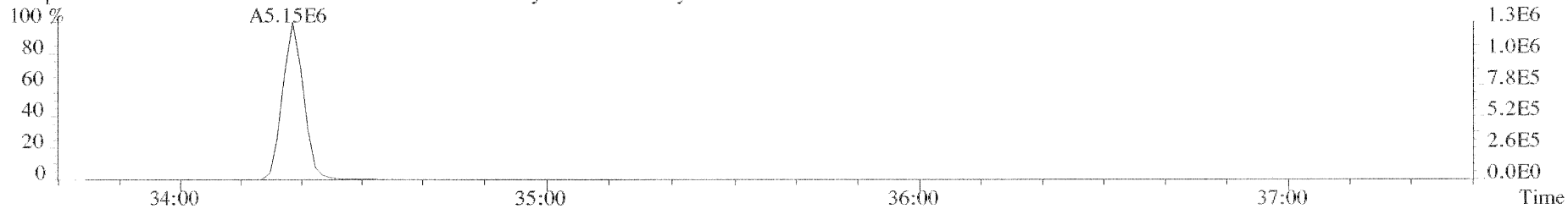
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



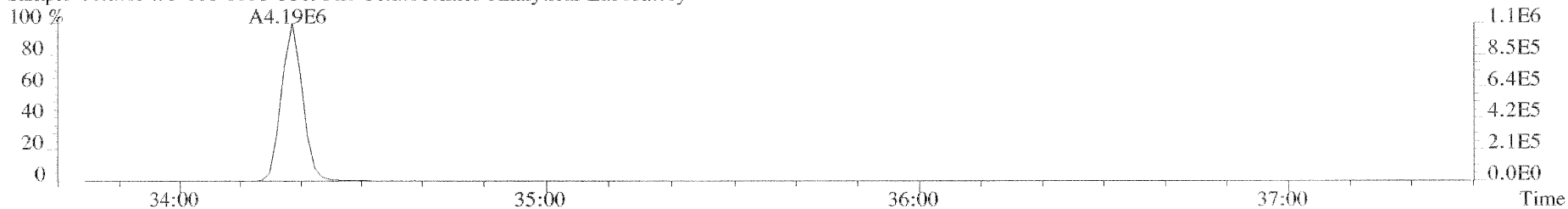
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



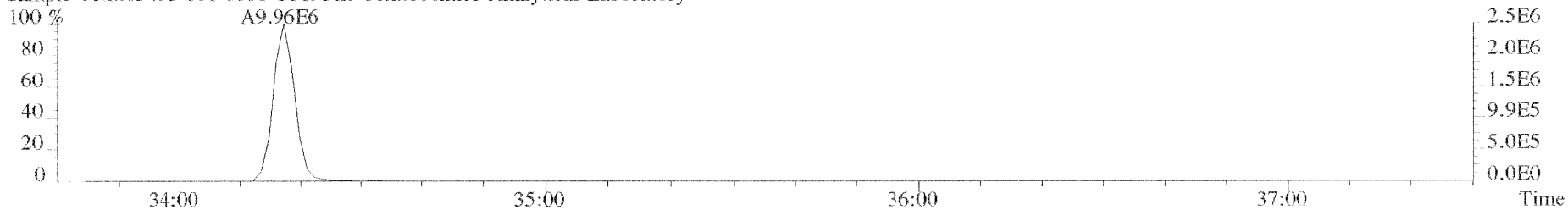
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



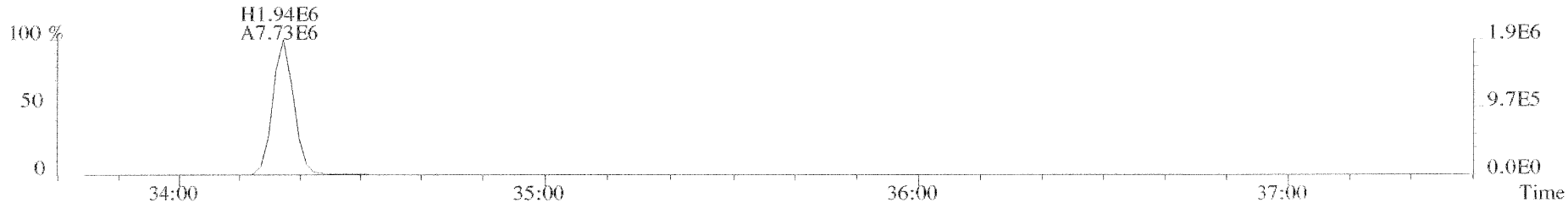
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



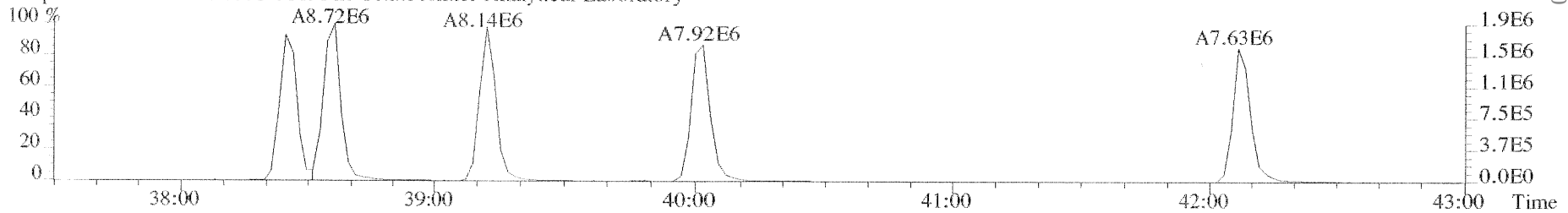
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



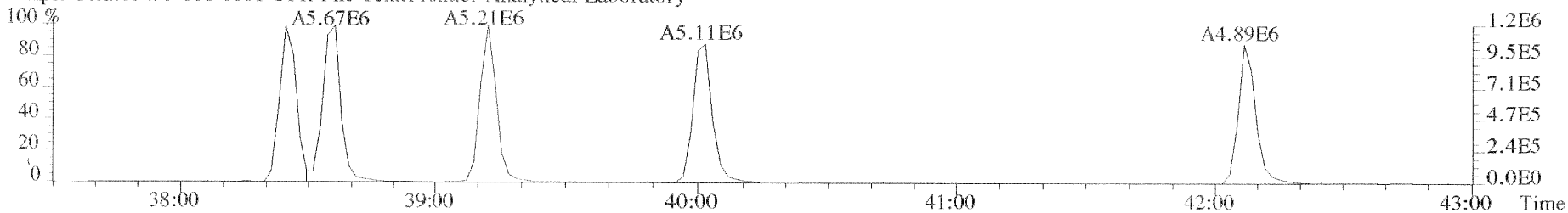
File:26OCT20Z #1-184 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



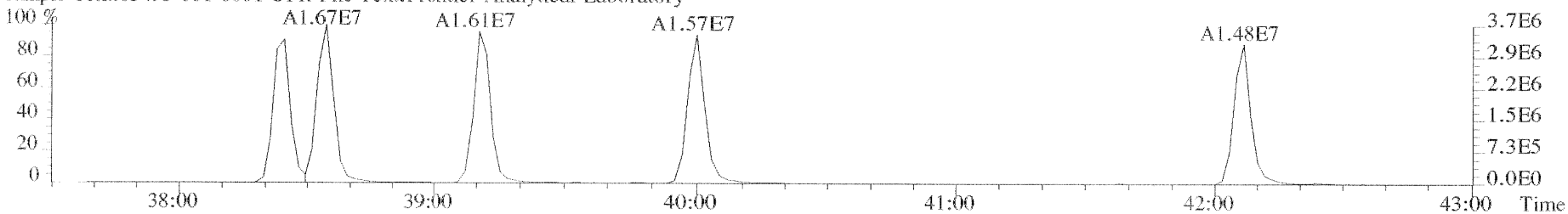
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



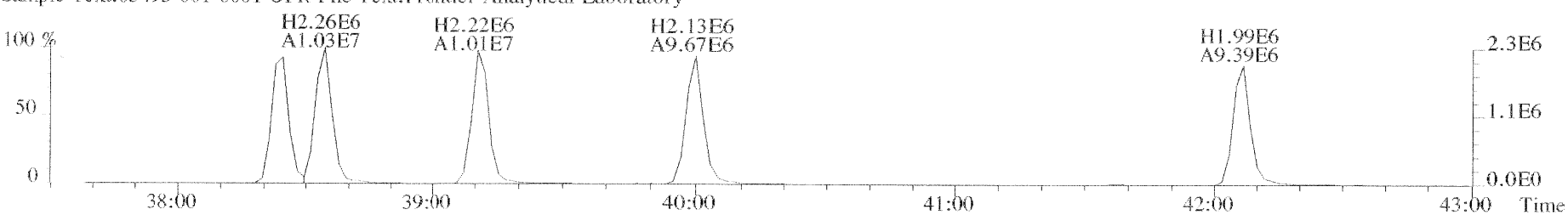
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



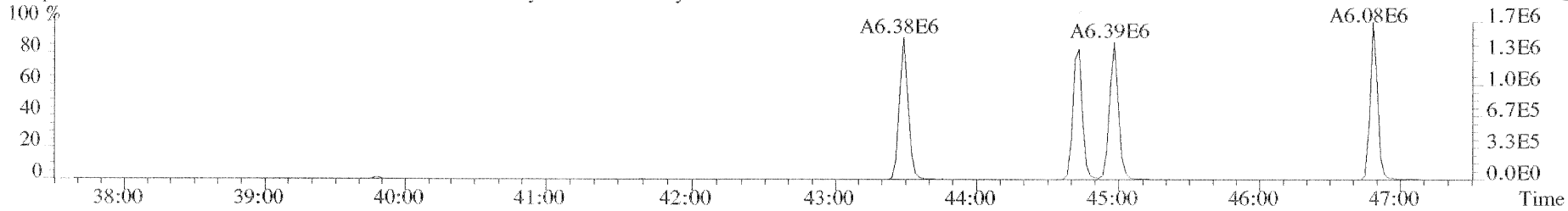
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



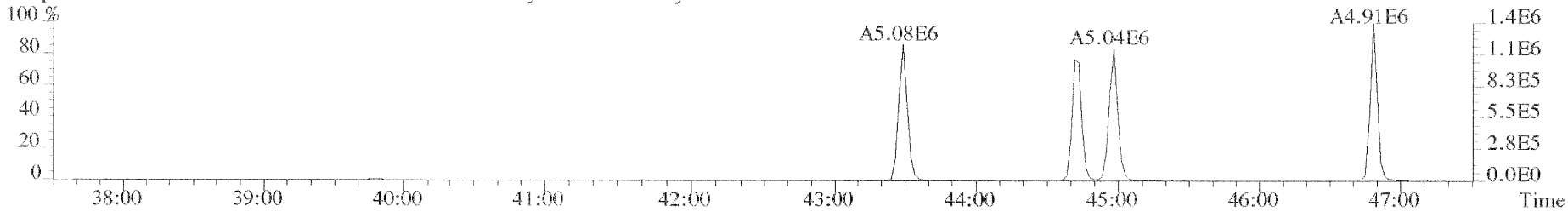
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



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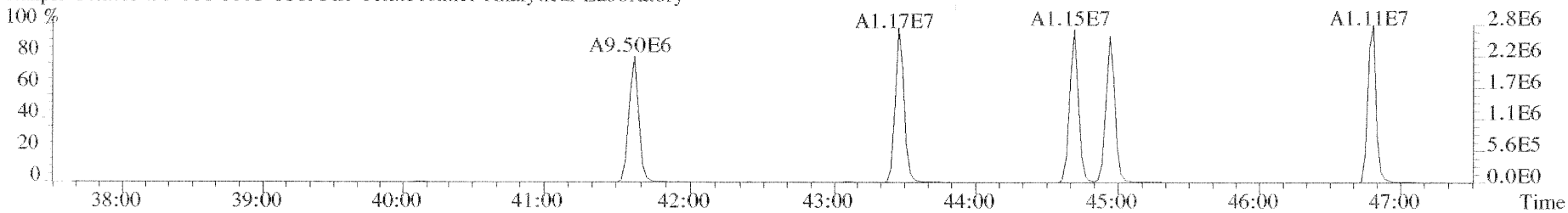
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
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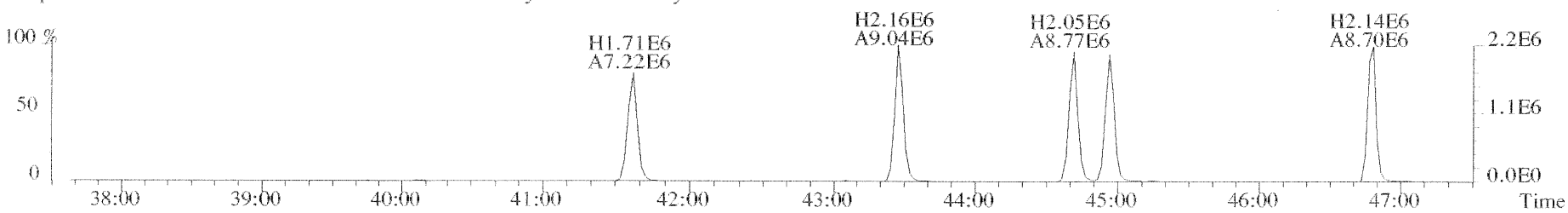
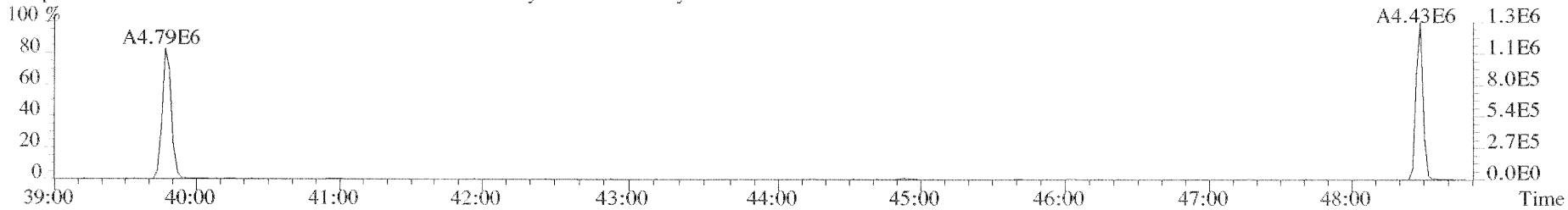
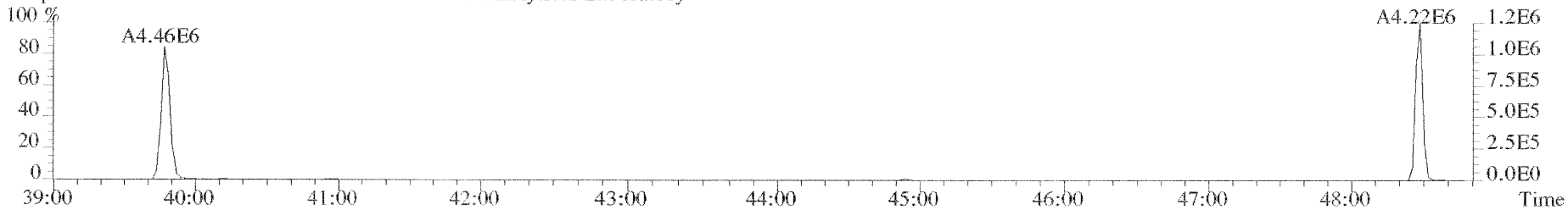
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



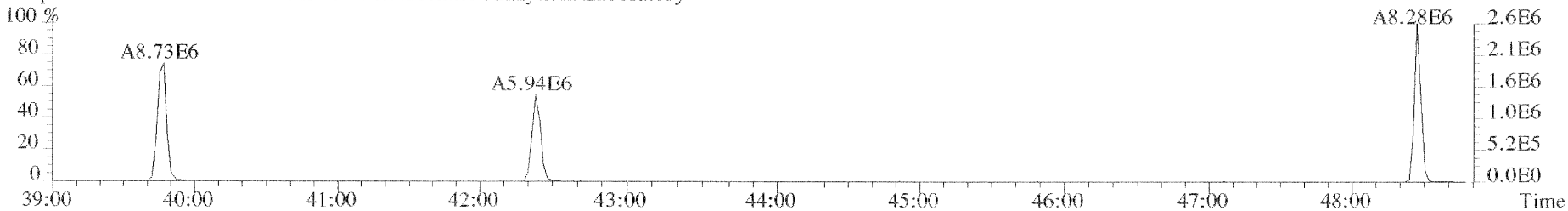
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



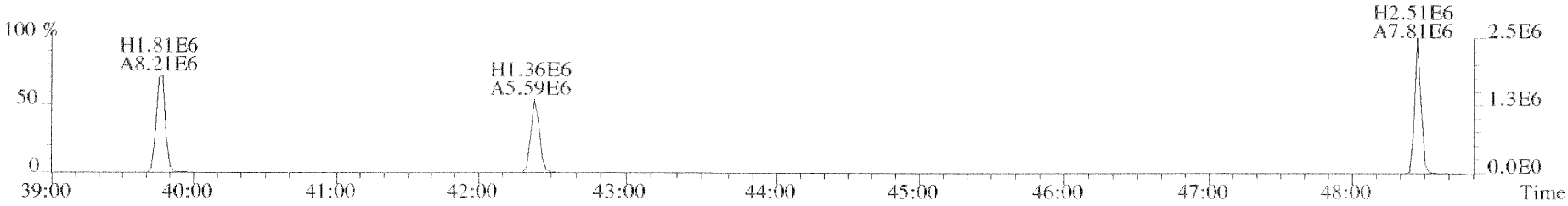
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



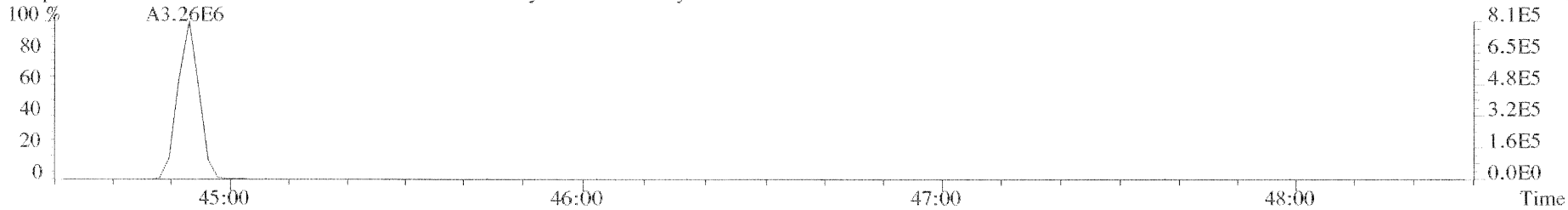
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



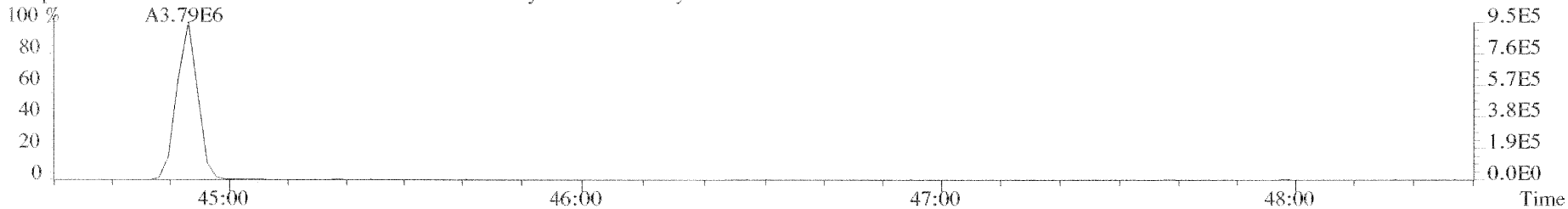
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



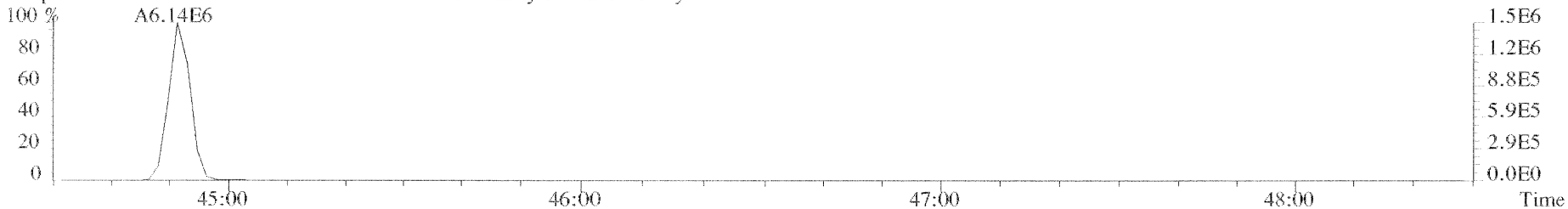
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



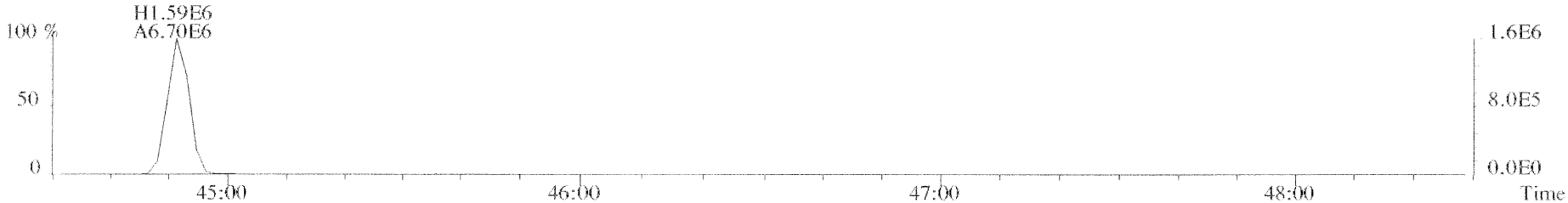
File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
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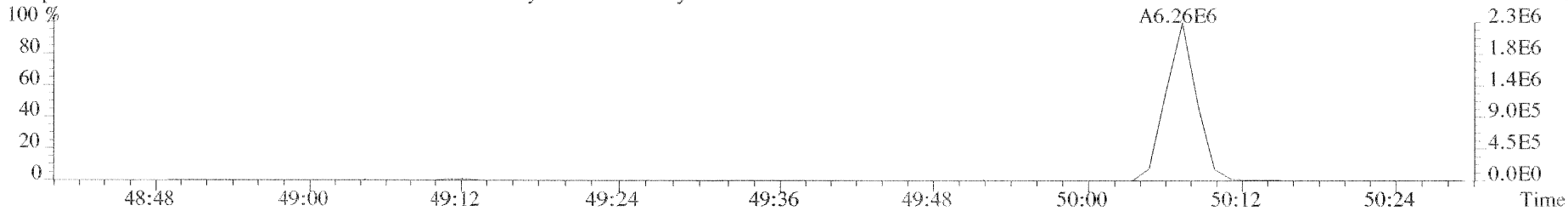
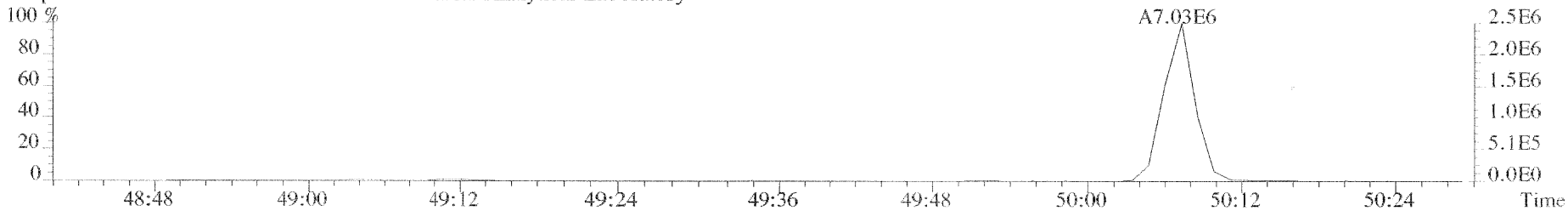
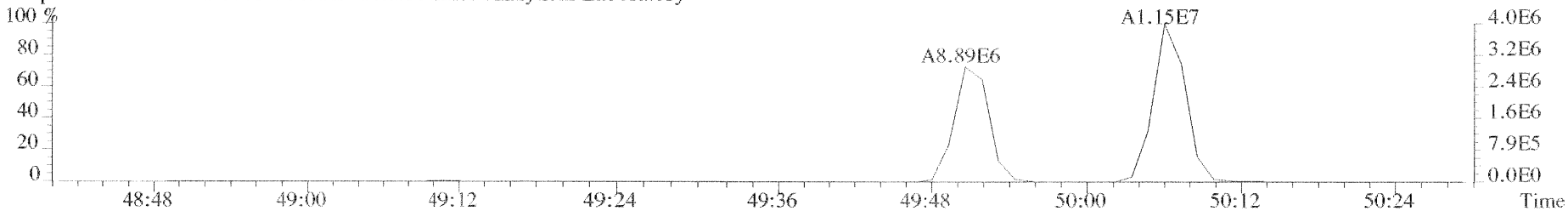
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



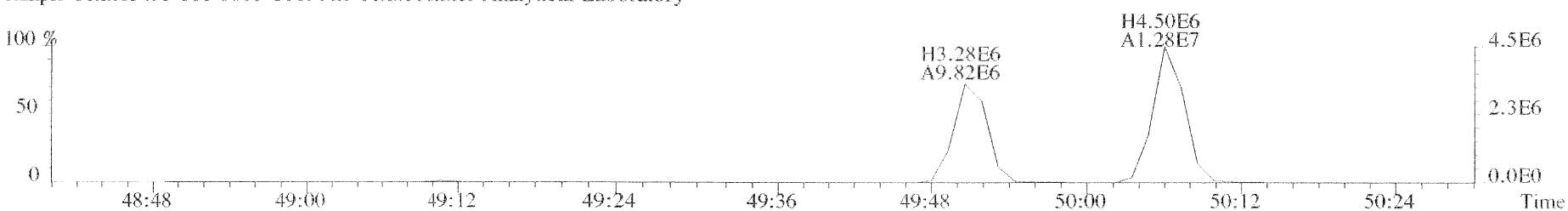
File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



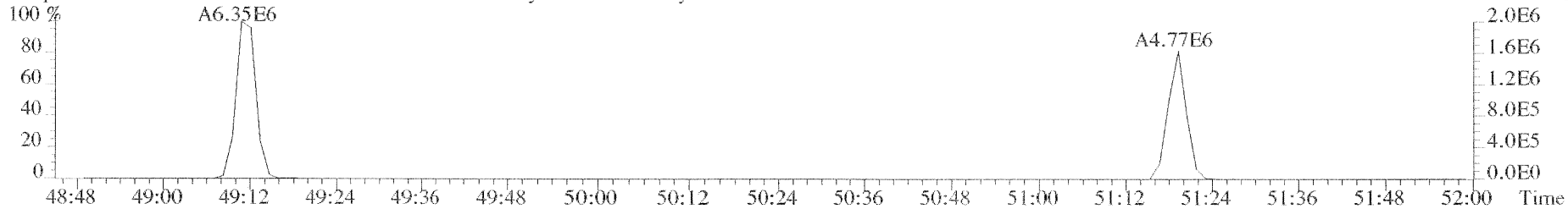
File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



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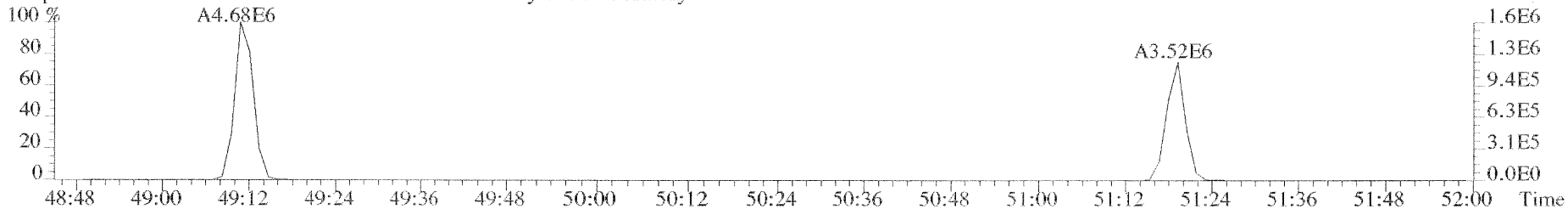
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
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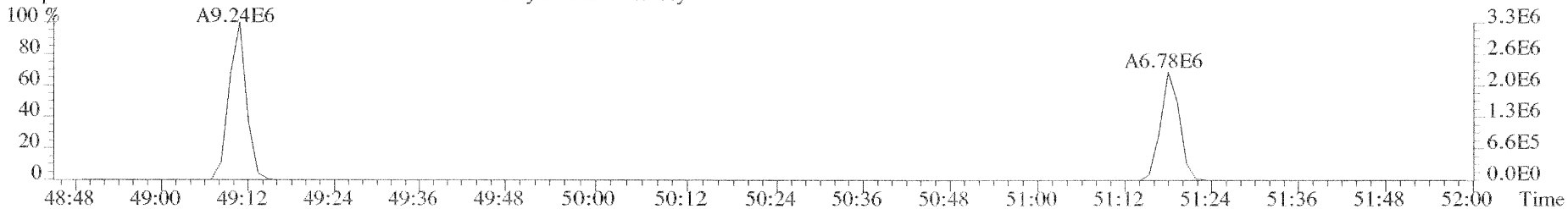
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



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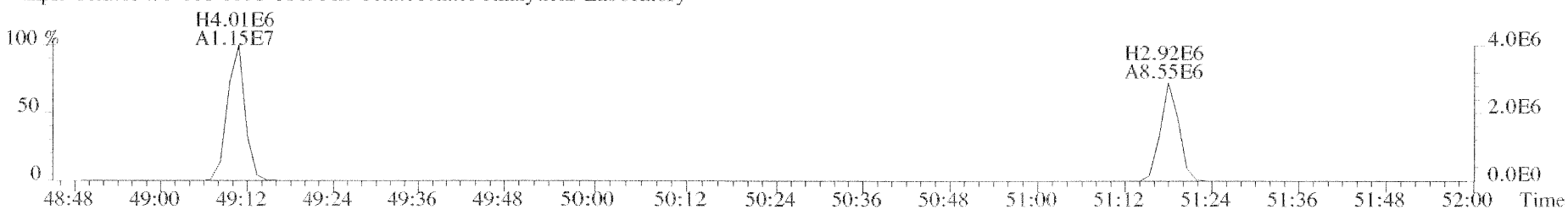
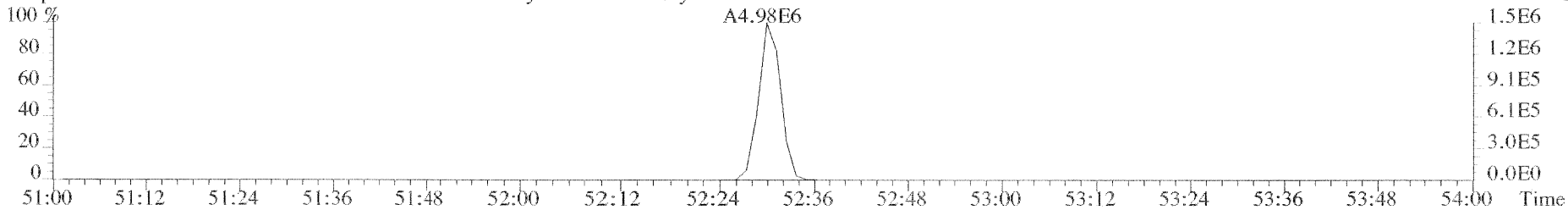
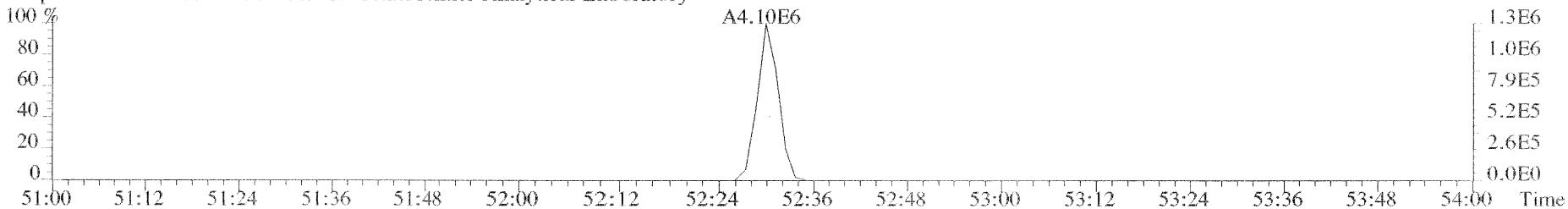
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



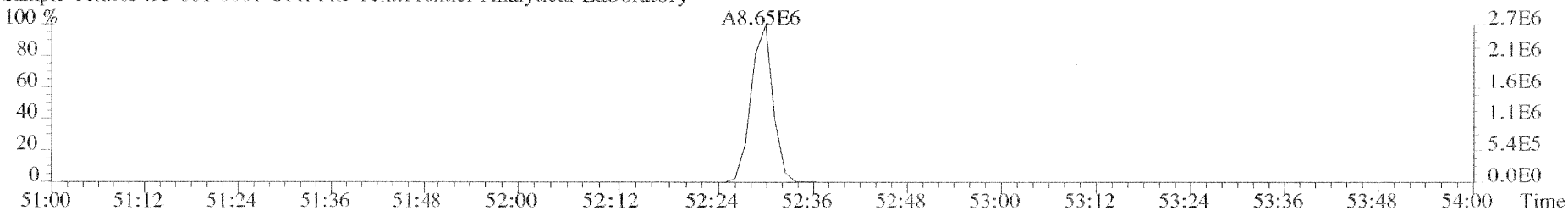
File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



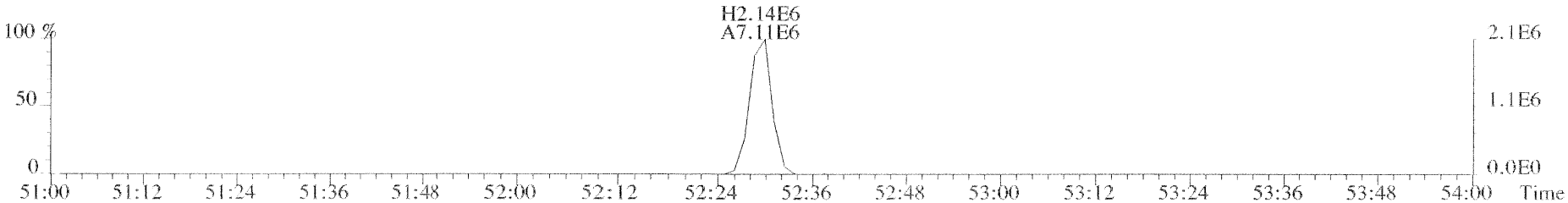
File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 10:58:26 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:05493-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13373-001-0001-SA Filename: 23OCT20Z Sam:12 Acquired: 23-OCT-20 21:33:17 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CC-S010-BIO ConCal: ST102320Z1 EndCal: ST102320Z2
Results: 13372-8 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	5.42e+04	2.96 y	14:33	1.35	11.7	J	-	-	*			
13C-PCB-1	3.42e+07	3.29 y	14:32	0.94	7470					74.7	8.98e+06	2.74e+06
PCB-2	*	* n	NotFnd	1.44	*		1160	1020	3.42			
PCB-3	*	* n	NotFnd	1.39	*		1160	1020	3.78			
13C-PCB-3	3.39e+07	3.35 y	16:57	0.88	7940					79.4	8.07e+06	2.35e+06
PCB-4	5.02e+05	1.53 y	18:12	1.16	141		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		750	2770	4.94			
13C-PCB-4	3.05e+07	1.58 y	18:11	0.70	8950					89.5	5.96e+06	3.74e+06
PCB-9	7.54e+04	1.47 y	19:52	1.55	12.9	J	-	-	*			
PCB-7	1.10e+05	1.40 y	19:54	1.55	18.9	J	-	-	*			
PCB-6	5.25e+05	1.45 y	20:30	1.48	94.0		-	-	*			
PCB-8	1.42e+06	1.57 y	20:52	1.50	251		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		750	2770	5.59			
PCB-14	4.81e+06	1.47 y	21:55	1.53	833		-	-	*			
PCB-11	2.01e+05	1.49 y	23:03	1.39	38.3		-	-	*			
PCB-13	*	* n	NotFnd	1.33	*		750	2770	6.22			
PCB-12	*	* n	NotFnd	1.39	*		750	2770	5.96			
PCB-15	3.24e+05	1.63 y	23:43	1.30	55.8		-	-	*			
13C-PCB-15	4.49e+07	1.60 y	23:41	1.01	9100					91.0	6.99e+06	4.39e+06
PCB-19	3.57e+05	1.13 y	22:04	1.29	162		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2780	528	8.23			
PCB-18	3.39e+06	1.06 y	23:37	1.25	1580		-	-	*			
PCB-17	1.55e+06	1.11 y	23:47	1.44	629		-	-	*			
PCB-27	1.73e+05	1.18 y	24:17	1.80	56.2		-	-	*			
PCB-24	2.45e+05	1.16 y	24:18	1.85	77.3		-	-	*			
PCB-16	1.14e+06	1.08 y	24:48	1.61	412		-	-	*			
PCB-32	1.13e+06	1.12 y	24:49	1.62	408		-	-	*			
13C-PCB-19	1.71e+07	1.11 y	22:03	0.47	7460					74.6	2.58e+06	2.38e+06
13C-PCB-9	4.87e+07	1.59 y	19:50	-	105							
PCB-34	6.92e+04	0.96 y	25:34	1.18	15.0	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1220	1260	5.92			
PCB-29	5.56e+04	1.12 y	25:53	1.36	10.5	J	-	-	*			
PCB-26	1.43e+06	1.12 y	26:05	1.34	273		-	-	*			
PCB-25	7.37e+05	1.10 y	26:14	1.27	148		-	-	*			
PCB-31	5.05e+06	1.08 y	26:34	1.41	915		-	-	*			
PCB-28	5.60e+06	1.08 y	26:41	1.43	998		-	-	*			
PCB-20	2.91e+06	1.03 y	27:16	1.27	585		-	-	*		Co-elute PCB 21/33	
PCB-21	2.91e+06	1.03 y	27:16	1.27	585		-	-	*		Co-elute PCB 20/33	
PCB-33	2.91e+06	1.03 y	27:16	1.27	585		-	-	*		Co-elute PCB 20/21	
PCB-22	1.67e+06	1.01 y	27:40	1.33	322		-	-	*			
PCB-36	6.07e+06	1.05 y	28:16	1.37	1130		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1220	1260	6.45			
PCB-38	*	* n	NotFnd	1.35	*		1220	1260	5.75			
PCB-35	*	* n	NotFnd	1.27	*		1220	1260	6.13			
PCB-37	6.82e+05	1.18 y	30:22	1.21	144		-	-	*			
13C-PCB-37	3.91e+07	1.06 y	30:19	1.77	9940					99.4	4.09e+06	3.89e+06

PCB-54	3.84e+04	0.78	y	25:36	1.36	11.2	J	-	-	*			
PCB-50	5.17e+04	0.71	y	26:42	1.16	17.6	J	-	-	*			
PCB-53	9.21e+05	0.78	y	27:19	1.02	355		-	-	*			
PCB-51	3.19e+05	0.75	y	27:38	1.04	121		-	-	*			
PCB-45	7.37e+05	0.70	y	28:03	0.98	297		-	-	*			
PCB-46	2.83e+05	0.82	y	28:31	0.92	122		-	-	*			
PCB-52	6.14e+06	0.79	y	28:57	1.11	2190		-	-	*	Co-elute PCB 69		
PCB-69	6.14e+06	0.79	y	28:57	1.11	2190		-	-	*	Co-elute PCB 52		
PCB-73	1.14e+05	0.74	y	29:05	1.30	34.7		-	-	*			
PCB-43	3.93e+06	0.79	y	29:15	1.00	1550		-	-	*	Co-elute PCB 49		
PCB-49	3.93e+06	0.79	y	29:15	1.00	1550		-	-	*	Co-elute PCB 43		
PCB-47	1.30e+06	0.75	y	29:26	0.99	517		-	-	*			
PCB-48	1.12e+06	0.80	y	29:33	1.26	351		-	-	*	Co-elute PCB 75		
PCB-75	1.12e+06	0.80	y	29:33	1.26	351		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		1160	1900	8.59			
PCB-62	*	*	n	NotFnd	1.19	*		1160	1900	9.74			
PCB-44	3.22e+06	0.80	y	30:11	0.85	1500		-	-	*			
PCB-42	1.50e+06	0.79	y	30:25	1.12	531		-	-	*	Co-elute PCB 59		
PCB-59	1.50e+06	0.79	y	30:25	1.12	531		-	-	*	Co-elute PCB 42		
PCB-72	3.80e+06	0.80	y	30:57	1.22	1230		-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.80e+06	0.80	y	30:57	1.22	1230		-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.80e+06	0.80	y	30:57	1.22	1230		-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.80e+06	0.80	y	30:57	1.22	1230		-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.86e+04	0.85	y	31:11	1.32	29.6		-	-	*			
PCB-40	5.17e+05	0.78	y	31:24	0.82	250		-	-	*			
PCB-57	3.81e+04	0.68	y	31:44	1.33	11.3	J	-	-	*			
PCB-67	1.65e+05	0.71	y	32:03	1.26	51.8		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		1160	1900	9.12			
PCB-63	1.76e+05	0.81	y	32:18	1.35	51.4		-	-	*			
PCB-74	1.66e+06	0.78	y	32:33	1.24	530		-	-	*			
PCB-61	3.66e+06	0.80	y	32:46	1.17	1230		-	-	*	Co-elute PCB 70		
PCB-70	3.66e+06	0.80	y	32:46	1.17	1230		-	-	*	Co-elute PCB 61		
PCB-76	3.15e+06	0.80	y	32:57	1.39	896		-	-	*	Co-elute PCB 66		
PCB-66	3.15e+06	0.80	y	32:57	1.39	896		-	-	*	Co-elute PCB 76		
PCB-80	8.36e+04	0.86	y	33:10	1.56	21.1		-	-	*			
PCB-55	2.65e+05	0.80	y	33:29	1.32	79.2		-	-	*			
13C-PCB-54	2.53e+07	0.81	y	25:35	1.32	8660					86.6	2.97e+06	3.66e+06
PCB-104	7.77e+06	1.58	y	30:03	1.23	3660		-	-	*			
PCB-96	4.84e+04	1.43	y	31:13	1.20	23.3		-	-	*			
PCB-103	7.20e+04	1.56	y	31:44	1.01	41.4		-	-	*			
PCB-100	4.39e+04	1.58	y	32:04	0.94	27.2		-	-	*			
PCB-94	*	*	n	NotFnd	0.78	*		264	328	4.55			
PCB-98	*	*	n	NotFnd	0.77	*		264	328	4.56	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		264	328	4.56	Co-elute PCB 98		
PCB-95	2.90e+06	1.57	y	33:03	0.96	1750		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		264	328	3.82			
PCB-88	*	*	n	NotFnd	0.52	*		264	328	6.77	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		264	328	6.77	Co-elute PCB 88		
PCB-121	1.10e+07	1.58	y	33:29	1.08	5850		-	-	*			
13C-PCB-104	1.72e+07	1.62	y	30:00	0.96	8080					80.8	2.58e+06	1.61e+06
13C-PCB-28	4.17e+07	1.08	y	26:38	2.13	8830					88.3	4.83e+06	4.61e+06
13C-PCB-52	2.22e+07	0.81	y	28:55	-	103							

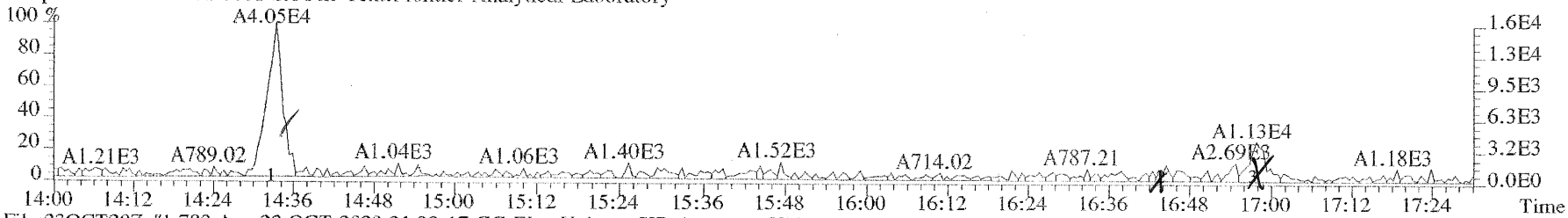
PCB-56	2.26e+06	0.81	y	33:57	1.21	534		-	-	*		Co-elute PCB 60
PCB-60	2.26e+06	0.81	y	33:57	1.21	534		-	-	*		Co-elute PCB 56
PCB-79	8.68e+04	0.77	y	34:59	1.38	18.0	J	-	-	*		
PCB-78	1.77e+07	0.82	y	35:36	1.38	3680		-	-	*		
PCB-81	1.59e+05	0.87	y	36:09	1.41	33.0		-	-	*		
13C-PCB-81	3.42e+07	0.81	y	36:06	1.78	9770					97.7	3.03e+06 3.84e+06
PCB-77	2.34e+05	0.85	y	36:42	1.17	56.1		-	-	*		
13C-PCB-77	3.57e+07	0.79	y	36:40	1.84	9890					98.9	3.29e+06 4.15e+06
PCB-155	1.25e+07	1.29	y	34:12	1.14	5940		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		616	596	6.40		
PCB-152	*	*	n	NotFnd	1.15	*		616	596	5.91		
PCB-145	*	*	n	NotFnd	1.06	*		616	596	6.39		
PCB-136	4.97e+05	1.29	y	36:35	1.05	256		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		616	596	7.40		
PCB-154	6.51e+04	1.25	y	37:08	0.93	37.8		-	-	*		
13C-PCB-155	1.85e+07	1.33	y	34:11	1.26	7440					74.4	2.58e+06 1.89e+06
13C-PCB-111	2.19e+07	1.61	y	36:16	1.32	8450					84.5	3.04e+06 1.89e+06
13C-PCB-101	1.96e+07	1.59	y	34:37	-	112						
PCB-84	2.01e+06	1.66	y	34:17	0.74	831		-	-	*		Co-elute PCB 92
PCB-92	2.01e+06	1.66	y	34:17	0.74	831		-	-	*		Co-elute PCB 84
PCB-89	7.51e+04	1.58	y	34:28	0.77	30.0		-	-	*		
PCB-90	4.31e+06	1.58	y	34:38	0.80	1650		-	-	*		Co-elute PCB 101
PCB-101	4.31e+06	1.58	y	34:38	0.80	1650		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		1120	1060	8.82		
PCB-99	1.92e+06	1.58	y	34:57	0.92	640		-	-	*		
PCB-119	1.63e+05	1.60	y	35:24	1.06	47.4		-	-	*		
PCB-83	2.12e+05	1.43	y	35:33	0.83	78.1		-	-	*		Co-elute PCB 112
PCB-112	2.12e+05	1.43	y	35:33	0.83	78.1		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		1120	1060	8.09		
PCB-97	1.06e+06	1.62	y	35:53	0.68	479		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		1120	1060	11.6		
PCB-125	1.43e+06	1.64	y	36:09	0.92	477		-	-	*		Co-elute PCB 87/117
PCB-87	1.43e+06	1.64	y	36:09	0.92	477		-	-	*		Co-elute PCB 125/117
PCB-117	1.43e+06	1.64	y	36:09	0.92	477		-	-	*		Co-elute PCB 125/87
PCB-111	6.80e+04	1.49	y	36:16	0.99	21.0		-	-	*		Co-elute PCB 115
PCB-115	6.80e+04	1.49	y	36:16	0.99	21.0		-	-	*		Co-elute PCB 111
PCB-85	5.84e+05	1.69	y	36:23	0.92	195		-	-	*		Co-elute PCB 116
PCB-116	5.84e+05	1.69	y	36:23	0.92	195		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		1120	1060	7.01		
PCB-110	4.43e+06	1.59	y	36:46	0.99	1360		-	-	*		
PCB-82	3.24e+05	1.57	y	37:23	0.65	153		-	-	*		
PCB-124	1.82e+05	1.55	y	38:01	1.25	44.6		-	-	*		
PCB-108	2.84e+05	1.54	y	38:11	1.23	70.8		-	-	*		Co-elute PCB 107
PCB-107	2.84e+05	1.54	y	38:11	1.23	70.8		-	-	*		Co-elute PCB 108
PCB-123	5.82e+04	1.70	y	38:19	1.19	15.4	J	-	-	*		
13C-PCB-123	3.17e+07	1.58	y	38:17	1.42	9910					99.1	4.39e+06 2.81e+06
PCB-118	3.36e+06	1.61	y	38:29	1.22	798		-	-	*		Co-elute PCB 106
PCB-106	3.36e+06	1.61	y	38:29	1.22	798		-	-	*		Co-elute PCB 118
13C-PCB-118	3.45e+07	1.61	y	38:29	1.59	9670					96.7	4.17e+06 2.63e+06
PCB-114	9.71e+04	1.38	y	39:07	1.18	25.2		-	-	*		
13C-PCB-114	3.26e+07	1.60	y	39:05	1.50	9680					96.8	4.27e+06 2.72e+06
PCB-122	5.01e+04	1.48	y	39:13	1.30	11.8	J	-	-	*		
PCB-105	1.11e+06	1.60	y	39:56	1.36	257		-	-	*		
13C-PCB-105	3.18e+07	1.60	y	39:55	1.52	9300					93.0	4.21e+06 2.66e+06

PCB-127	*	*	n	NotFnd	1.27	*		872	944	5.12				
PCB-126	*	*	n	NotFnd	1.23	*		872	944	6.10				
13C-PCB-126	3.07e+07	1.58	y	42:01	1.36	10000					100	3.75e+06	2.32e+06	
PCB-151	8.20e+05	1.22	y	37:46	1.14	307		-	-	*				
PCB-135	4.49e+05	1.30	y	37:58	1.05	182		-	-	*				
PCB-144	2.05e+05	1.34	y	38:04	1.17	74.9		-	-	*				
PCB-147	5.80e+04	1.14	y	38:13	1.24	19.9	J	-	-	*				
PCB-139	2.78e+06	1.28	y	38:26	1.14	1040		-	-	*		Co-elute PCB 149		
PCB-149	2.78e+06	1.28	y	38:26	1.14	1040		-	-	*		Co-elute PCB 139		
PCB-140	4.04e+04	1.18	y	38:37	1.27	13.6	J	-	-	*				
PCB-143	1.75e+05	1.12	y	39:04	1.00	74.9		-	-	*		Co-elute PCB 134		
PCB-134	1.75e+05	1.12	y	39:04	1.00	74.9		-	-	*		Co-elute PCB 143		
PCB-131	1.04e+05	1.09	y	39:18	1.00	44.3		-	-	*		Co-elute PCB 133		
PCB-133	1.04e+05	1.09	y	39:18	1.00	44.3		-	-	*		Co-elute PCB 131		
PCB-142	2.19e+06	1.25	y	39:28	1.05	886		-	-	*				
PCB-165	5.27e+05	1.18	y	39:41	1.30	173		-	-	*		Co-elute PCB 146		
PCB-146	5.27e+05	1.18	y	39:41	1.30	173		-	-	*		Co-elute PCB 165		
PCB-161	1.00e+06	1.23	y	39:56	1.24	343		-	-	*		Co-elute PCB 132		
PCB-132	1.00e+06	1.23	y	39:56	1.24	343		-	-	*		Co-elute PCB 161		
PCB-153	2.81e+06	1.24	y	40:03	1.40	854		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		952	940	6.43				
PCB-141	4.02e+05	1.23	y	40:46	1.13	151		-	-	*				
PCB-137	8.77e+04	1.29	y	41:09	1.01	36.9		-	-	*				
PCB-130	1.49e+05	1.36	y	41:14	1.05	60.3		-	-	*				
PCB-138	2.58e+06	1.28	y	41:35	1.25	877		-	-	*		Co-elute PCB 163/164		
PCB-163	2.58e+06	1.28	y	41:35	1.25	877		-	-	*		Co-elute PCB 138/164		
PCB-164	2.58e+06	1.28	y	41:35	1.25	877		-	-	*		Co-elute PCB 138/163		
PCB-158	3.04e+05	1.35	y	41:47	1.42	91.3		-	-	*		Co-elute PCB 160		
PCB-160	3.04e+05	1.35	y	41:47	1.42	91.3		-	-	*		Co-elute PCB 158		
PCB-129	8.94e+04	1.07	y	42:03	0.99	38.4		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		952	940	6.27				
PCB-159	5.40e+04	1.22	y	42:47	1.53	15.1	J	-	-	*				
PCB-128	3.42e+05	1.21	y	43:02	1.14	128		-	-	*		Co-elute PCB 162		
PCB-162	3.42e+05	1.21	y	43:02	1.14	128		-	-	*		Co-elute PCB 128		
PCB-167	9.24e+04	1.17	y	43:25	1.33	29.0		-	-	*				
13C-PCB-167	2.40e+07	1.30	y	43:24	1.16	9220					92.2	3.03e+06	2.36e+06	
PCB-156	1.80e+05	1.09	y	44:39	1.40	56.3		-	-	*				
13C-PCB-156	2.30e+07	1.28	y	44:38	1.13	9040					90.4	3.05e+06	2.35e+06	
PCB-157	4.56e+04	1.39	y	44:54	1.26	15.2	J	-	-	*				
13C-PCB-157	2.39e+07	1.29	y	44:53	1.14	9260					92.6	2.79e+06	2.21e+06	
PCB-169	*	*	n	NotFnd	1.22	*		952	940	7.02				
13C-PCB-169	2.30e+07	1.26	y	46:44	1.04	9850					98.5	3.03e+06	2.47e+06	

PCB-188	2.65e+04	1.17	y	39:43	1.19	12.4	J	-	-	*			
13C-PCB-188	1.79e+07	1.07	y	39:41	1.06	7470					74.7	2.03e+06	1.87e+06
PCB-184	1.49e+07	1.07	y	40:08	1.38	6270		-	-	*			
PCB-179	2.69e+05	1.06	y	40:52	1.38	113		-	-	*			
PCB-176	8.20e+04	1.07	y	41:19	1.33	35.7		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		550	536	5.09			
PCB-178	8.18e+04	1.19	y	42:21	0.95	50.2		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		550	536	6.49			
PCB-187	4.78e+05	1.07	y	42:49	1.04	265		-	-	*		Co-elute PCB 182	
PCB-182	4.78e+05	1.07	y	42:49	1.04	265		-	-	*		Co-elute PCB 187	
PCB-183	1.97e+05	1.11	y	43:09	1.07	106		-	-	*			
PCB-185	5.38e+04	1.03	y	43:47	0.88	35.3		-	-	*			
PCB-174	3.17e+05	1.08	y	44:06	0.94	196		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		550	536	6.87			
PCB-177	1.78e+05	1.10	y	44:23	0.90	114		-	-	*			
PCB-171	8.05e+04	1.06	y	44:39	0.96	48.6		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		550	536	7.55			
PCB-172	2.38e+05	1.14	y	45:25	0.90	153		-	-	*			
PCB-192	1.04e+07	1.04	y	45:37	1.07	5640		-	-	*			
PCB-180	5.34e+05	1.06	y	45:48	0.86	361		-	-	*			
PCB-193	3.57e+04	1.01	y	45:58	1.19	17.3	J	-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		550	536	5.34			
PCB-170	1.77e+05	1.12	y	47:06	0.86	119		-	-	*			
PCB-190	4.78e+04	0.94	y	47:14	1.17	23.7		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		550	536	4.89			
13C-PCB-189	1.66e+07	1.09	y	48:25	0.86	8580					85.8	2.44e+06	2.33e+06
PCB-202	*	*	n	NotFnd	1.11	*		404	432	6.51			
PCB-201	*	*	n	NotFnd	1.27	*		404	432	5.72			
PCB-204	2.13e+07	0.90	y	45:25	1.28	13000		-	-	*			
PCB-197	1.04e+05	0.98	y	45:40	1.20	67.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		404	432	5.78			
PCB-198	*	*	n	NotFnd	0.90	*		404	432	8.09			
PCB-199	7.46e+04	0.93	y	47:42	0.85	68.3		-	-	*			
PCB-203	8.12e+04	0.89	y	47:57	0.95	66.6		-	-	*		Co-elute PCB 196	
PCB-196	8.12e+04	0.89	y	47:57	0.95	66.6		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.29e+07	0.93	y	44:48	0.77	7460					74.6	1.41e+06	1.47e+06
13C-PCB-178	1.28e+07	1.12	y	42:19	0.76	7530					75.3	1.58e+06	1.41e+06
13C-PCB-138	2.25e+07	1.28	y	41:32	-	113							
PCB-195	5.37e+04	0.79	y	49:03	0.94	21.0		-	-	*			
PCB-194	1.23e+05	0.78	y	49:50	1.03	43.7		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		892	1560	5.62			
13C-PCB-205	2.73e+07	0.89	y	50:06	1.30	9000					90.0	4.45e+06	4.85e+06
PCB-208	2.19e+04	1.31	y	49:10	1.16	8.58	J	-	-	*			
13C-PCB-208	2.20e+07	0.82	y	49:09	1.13	8410					84.1	3.43e+06	4.11e+06
PCB-207	1.33e+05	1.40	y	49:27	1.39	49.6		-	-	*			
PCB-206	2.87e+04	1.40	y	51:17	1.17	14.8	J	-	-	*			
13C-PCB-206	1.66e+07	0.82	y	51:17	0.85	8380					83.8	2.51e+06	3.07e+06
PCB-209	1.38e+05	1.24	y	52:29	1.24	69.1		-	-	*			
13C-PCB-209	1.61e+07	1.19	y	52:29	0.88	7880					78.8	2.63e+06	2.18e+06
13C-PCB-194	2.33e+07	0.90	y	49:50	-	117							

Analyst: [illegible] Date: 10/30/20

File:23OCT20Z #1-783 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-783 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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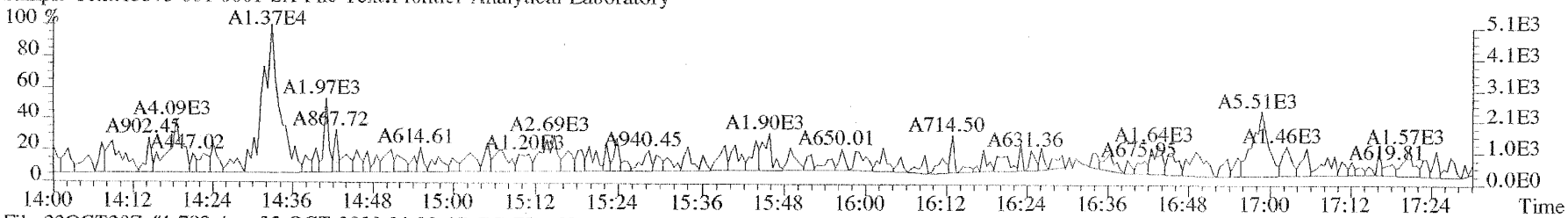

File:23OCT20Z #1-783 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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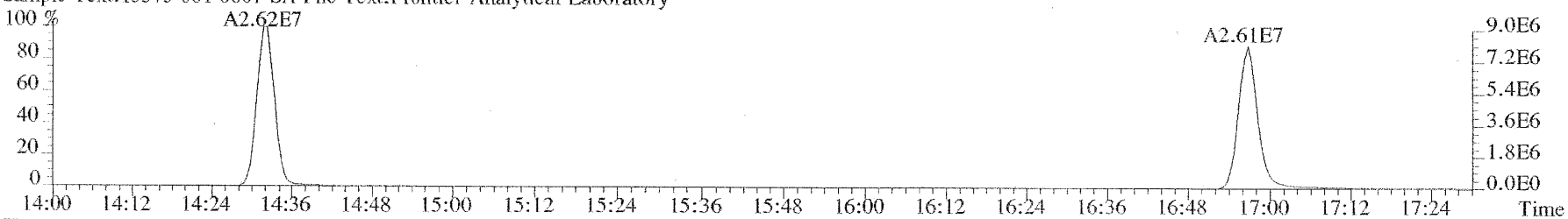

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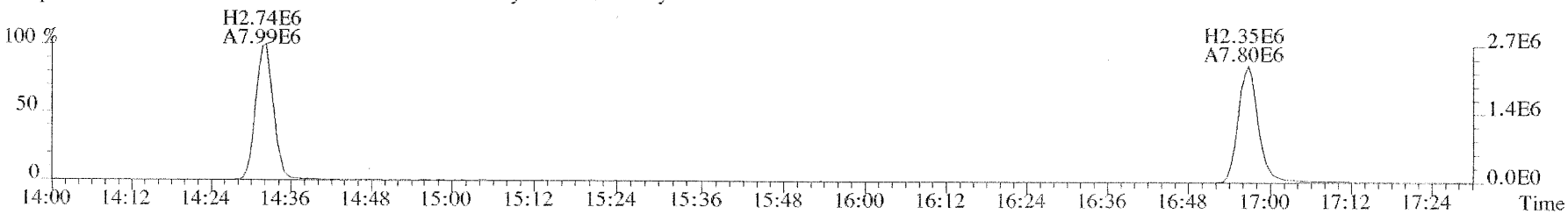

File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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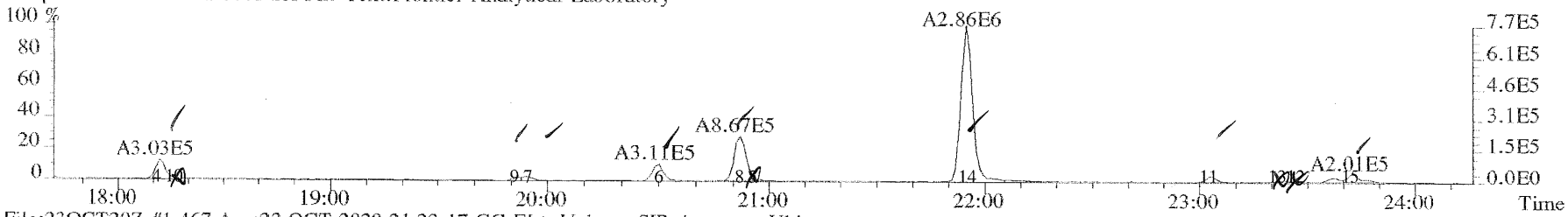

File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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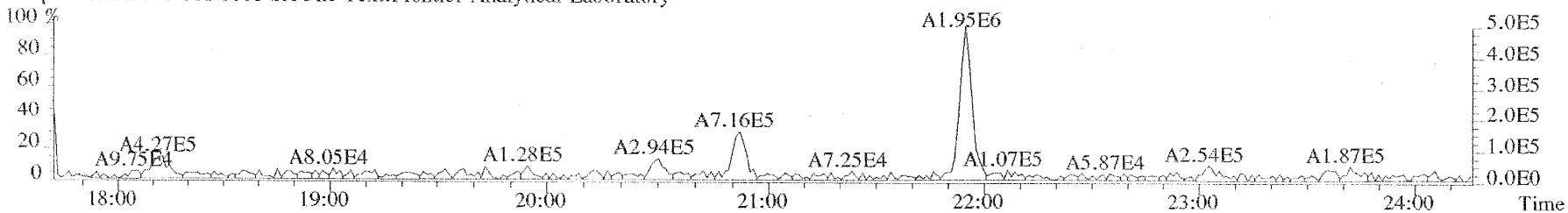

File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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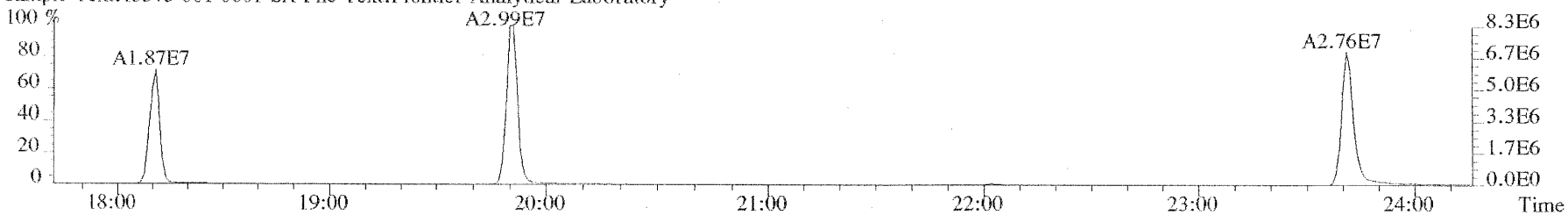
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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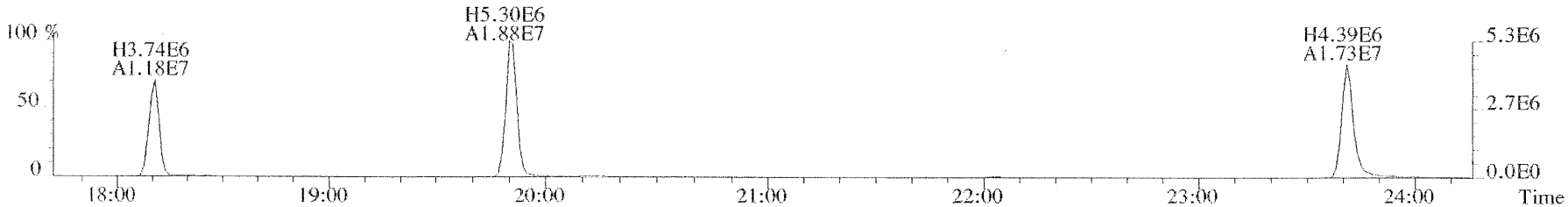
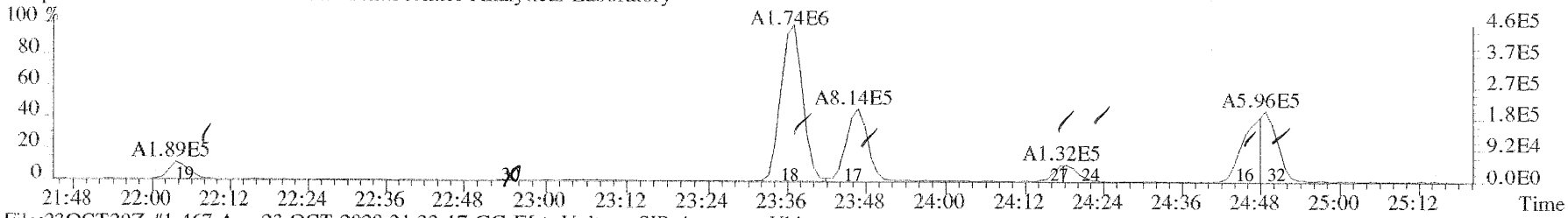
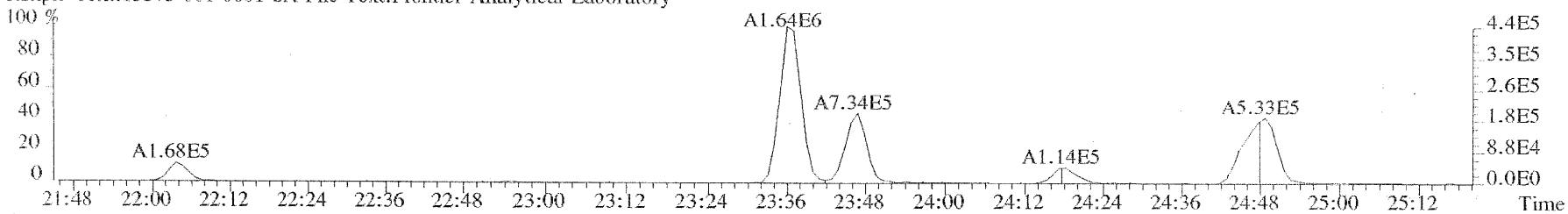


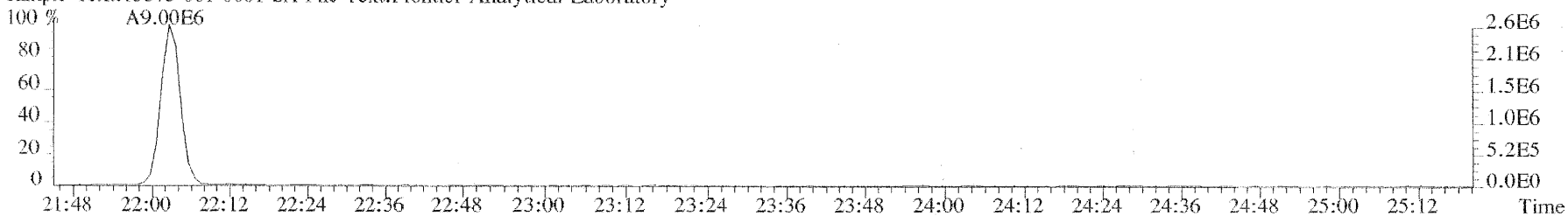
File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



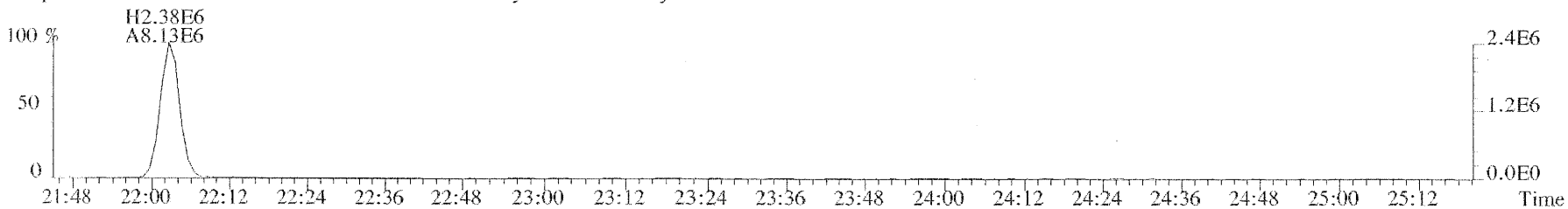
File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



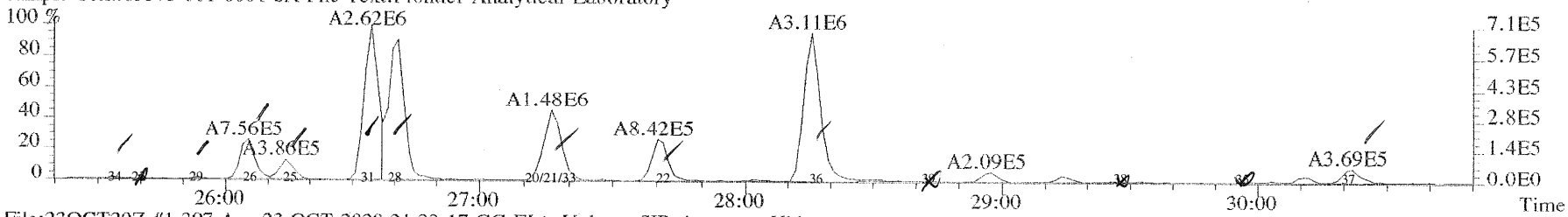
File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



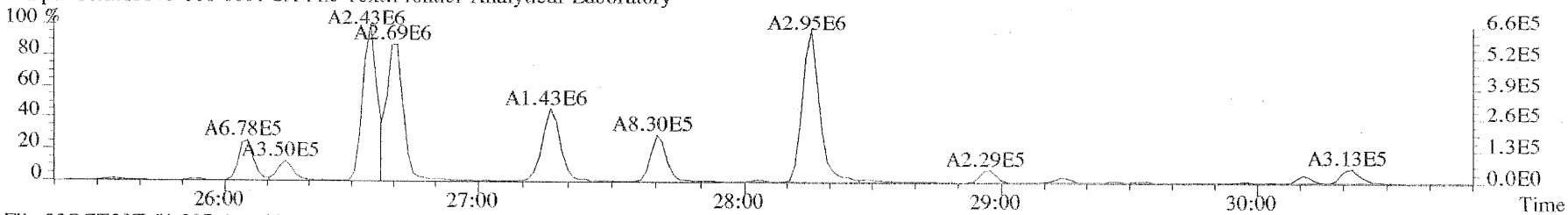
File:23OCT20Z #1-467 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



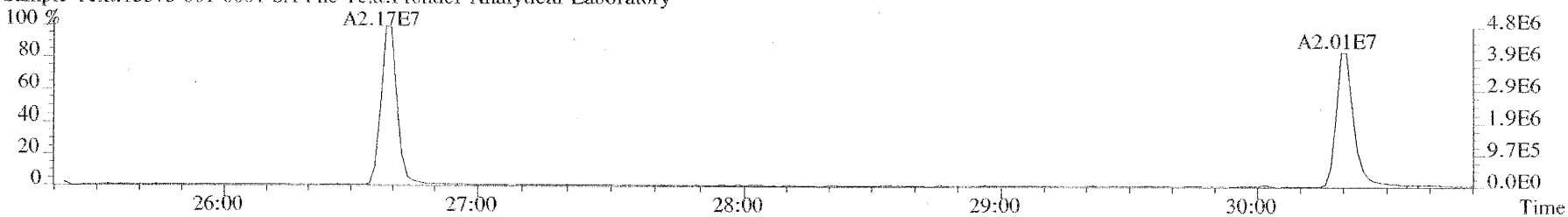
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



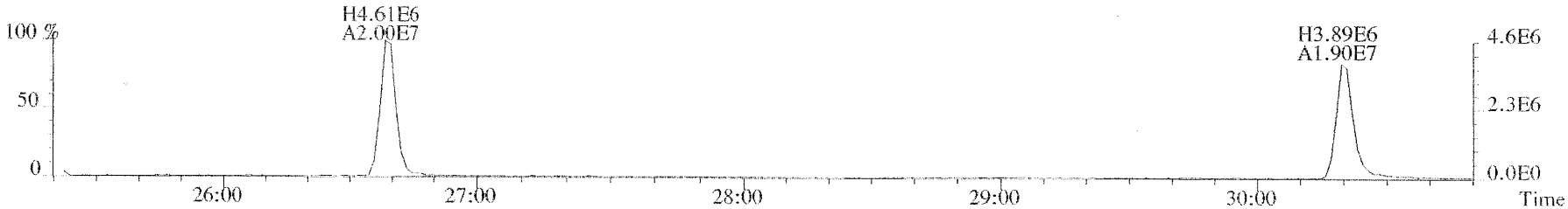
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



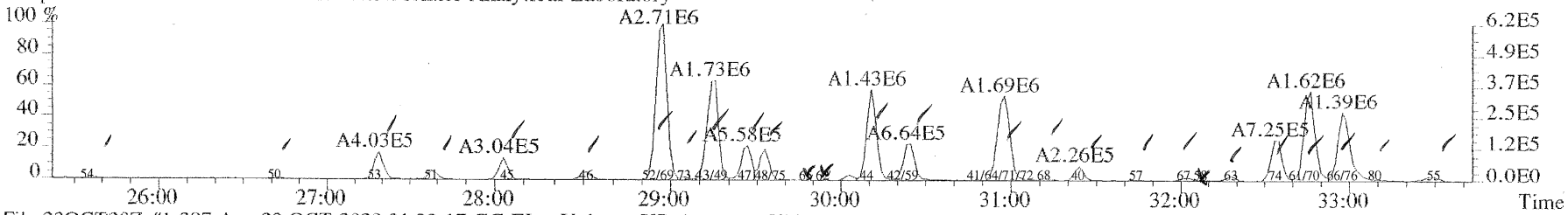
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



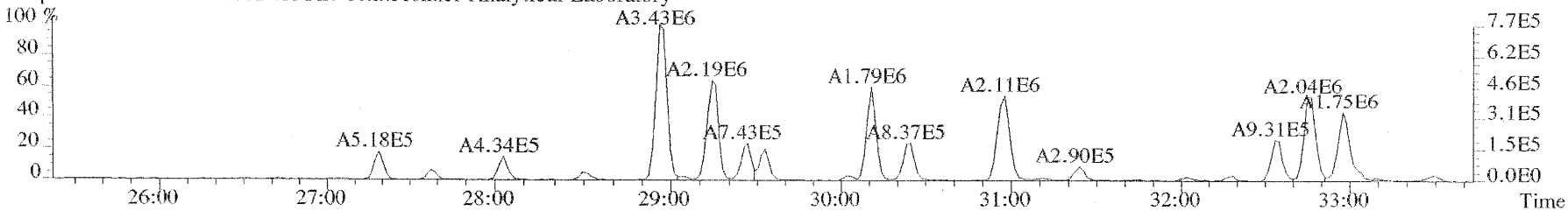
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



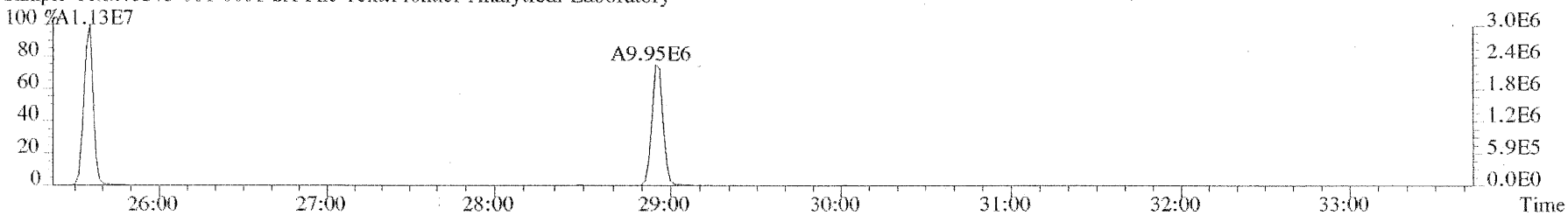
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



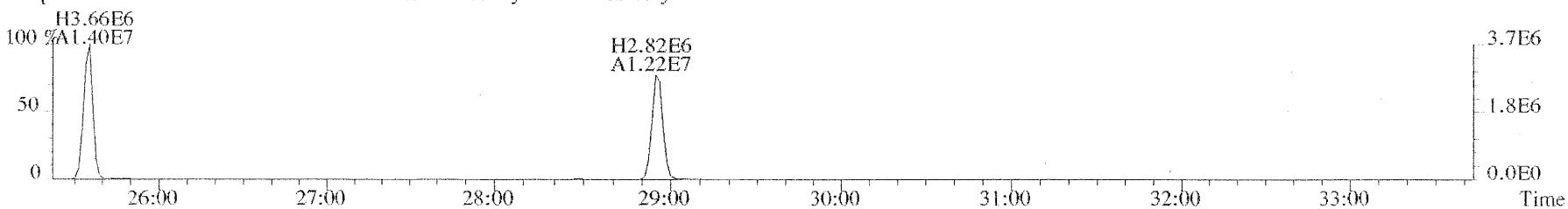
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



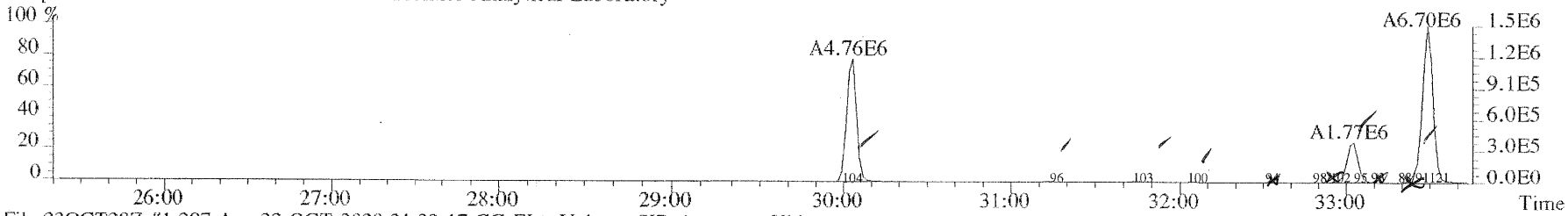
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



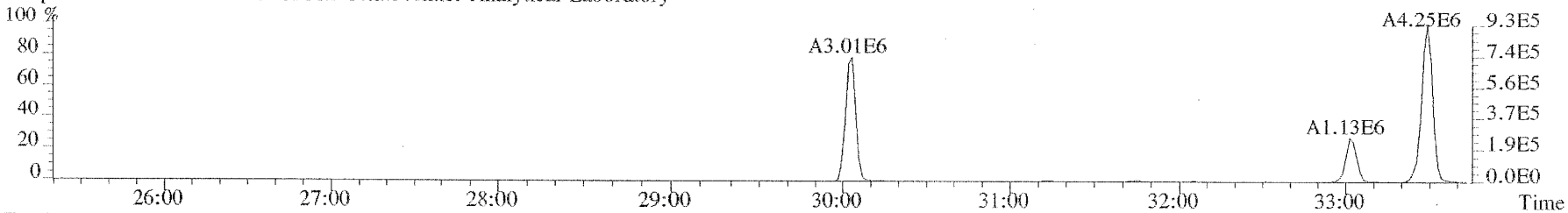
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



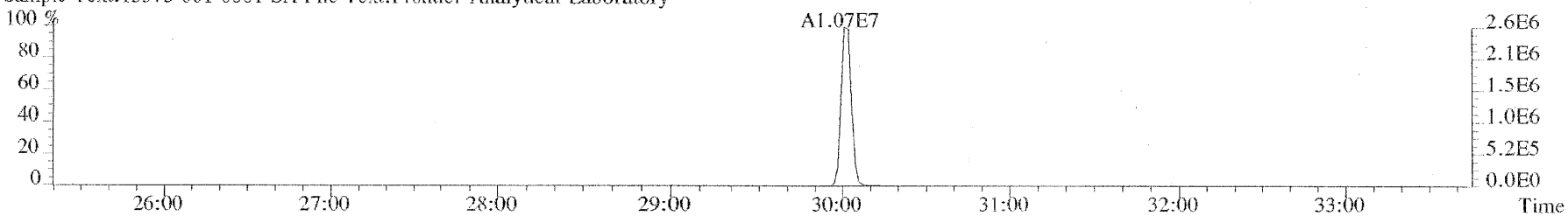
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



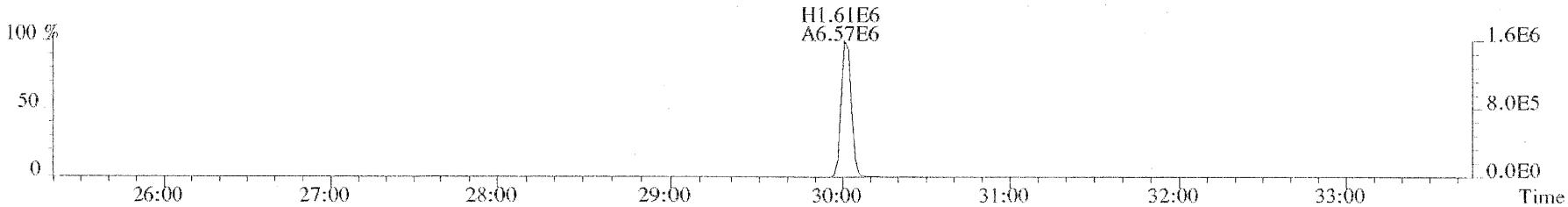
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



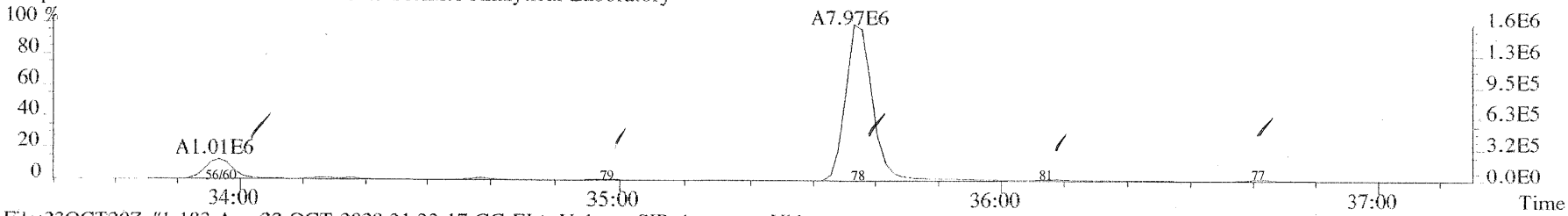
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



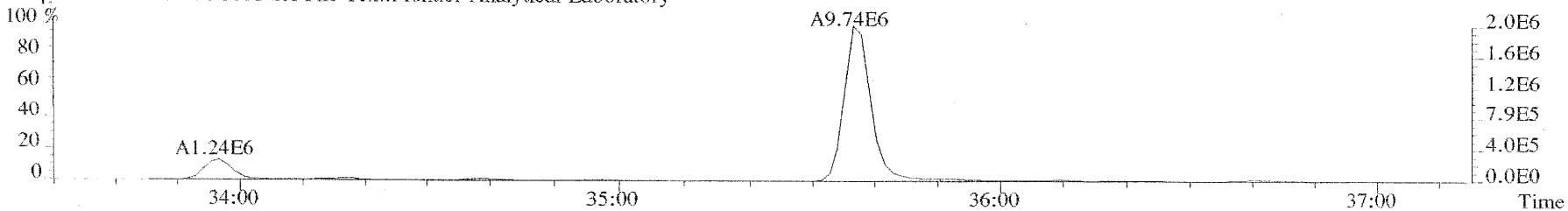
File:23OCT20Z #1-397 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



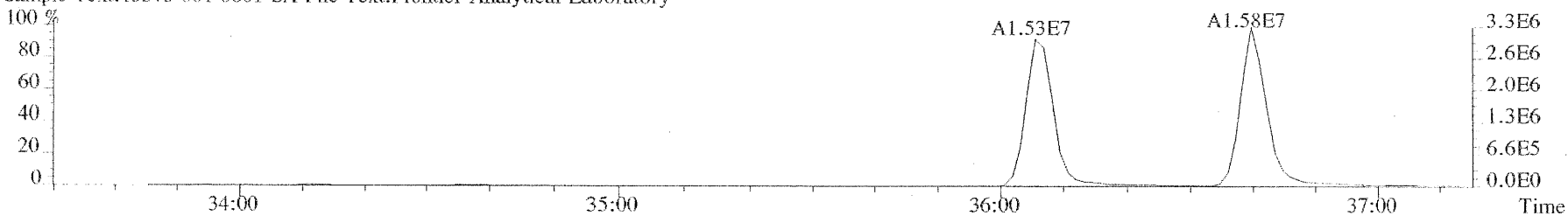
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



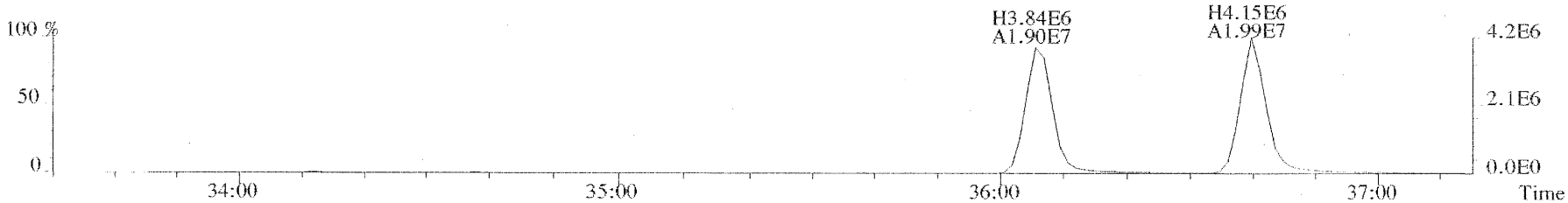
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



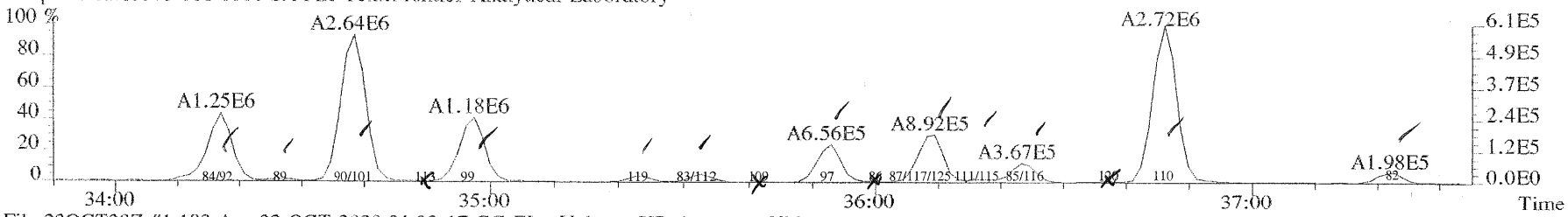
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



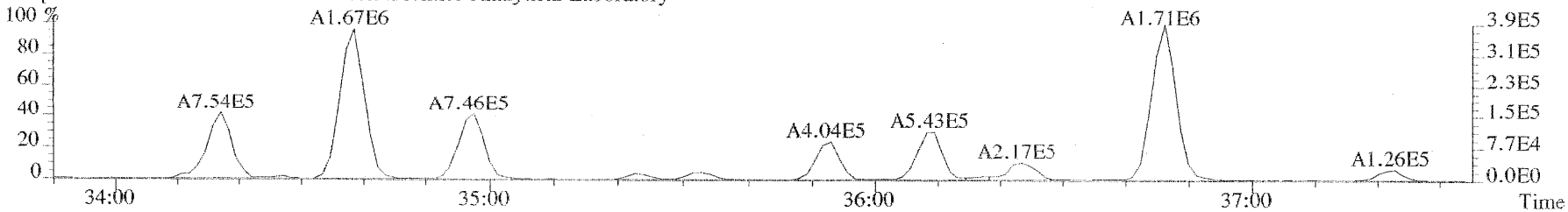
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



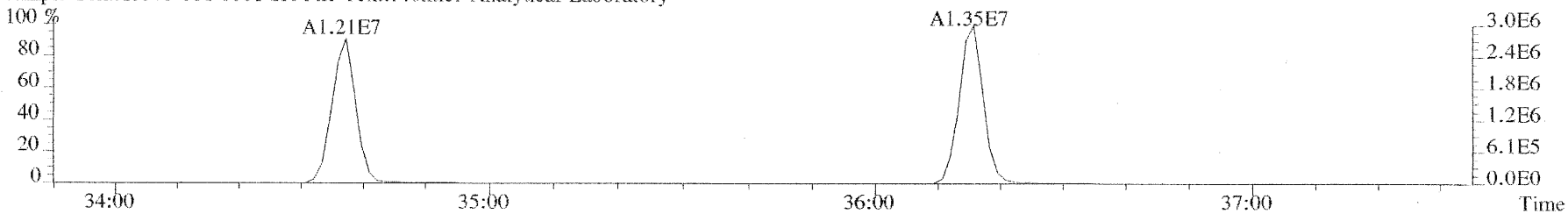
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



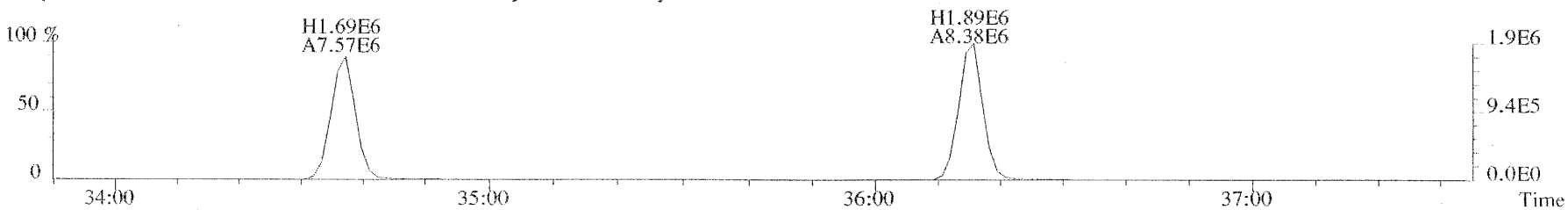
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



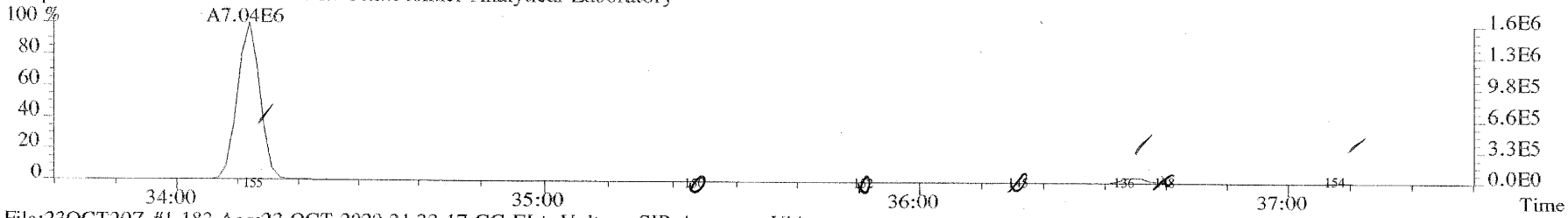
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



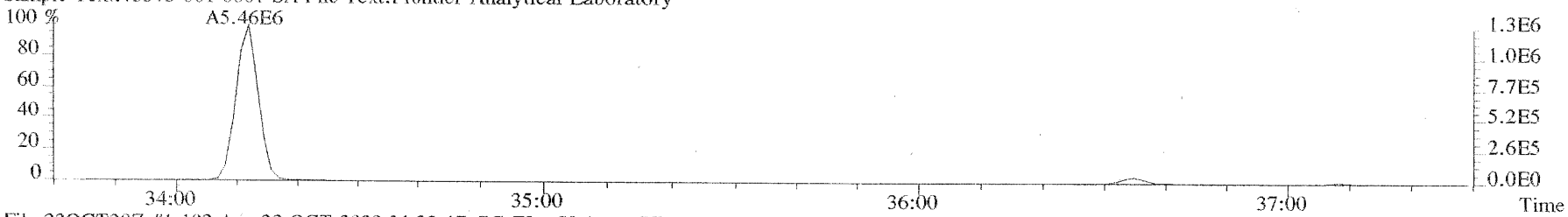
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



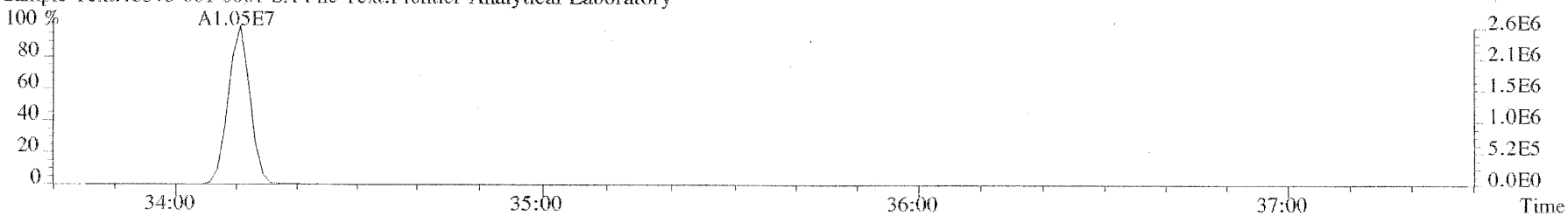
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



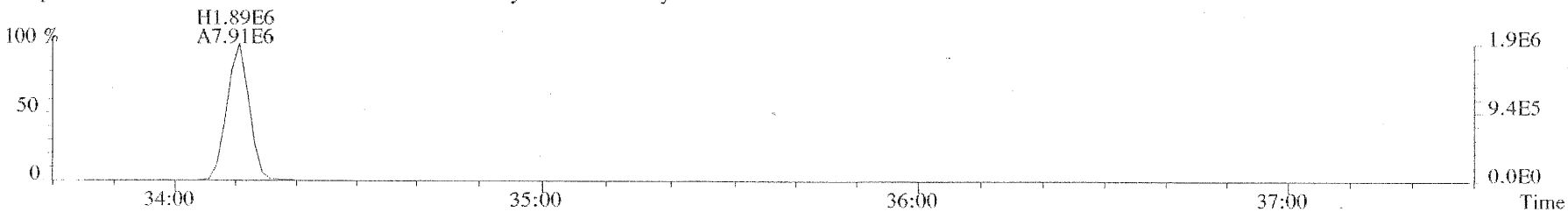
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



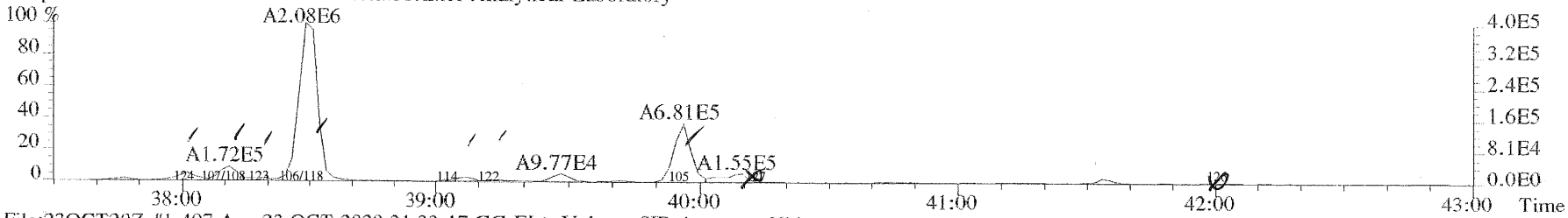
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



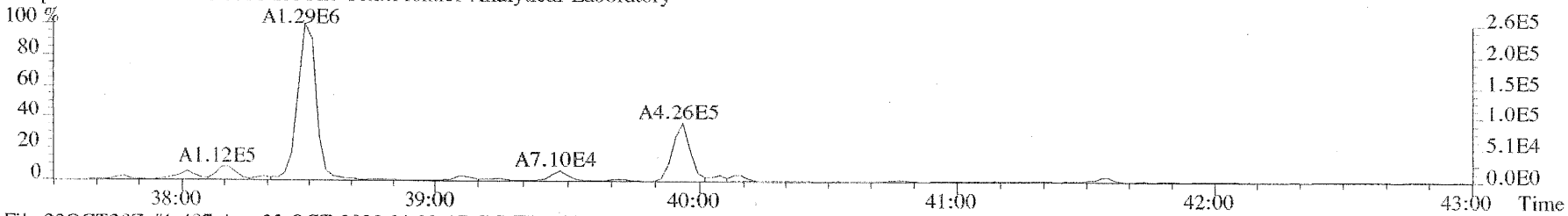
File:23OCT20Z #1-183 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



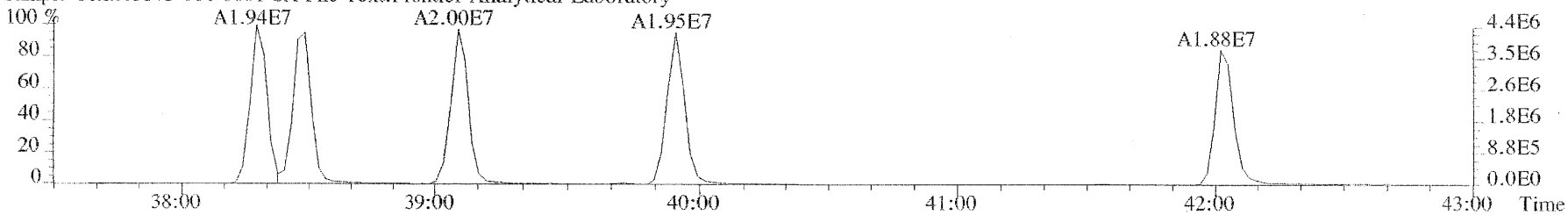
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



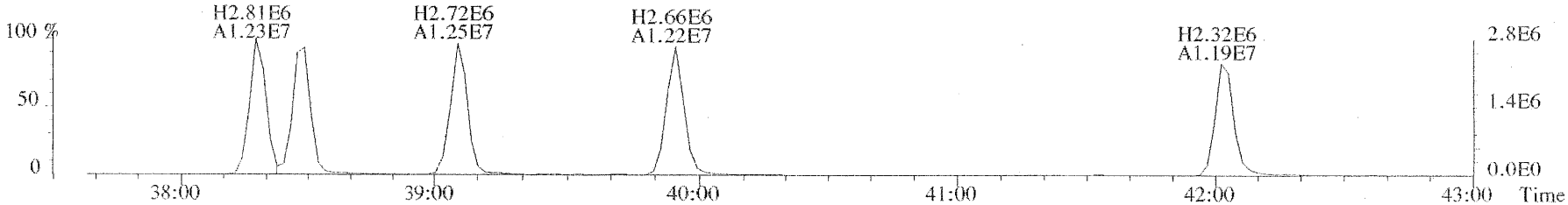
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



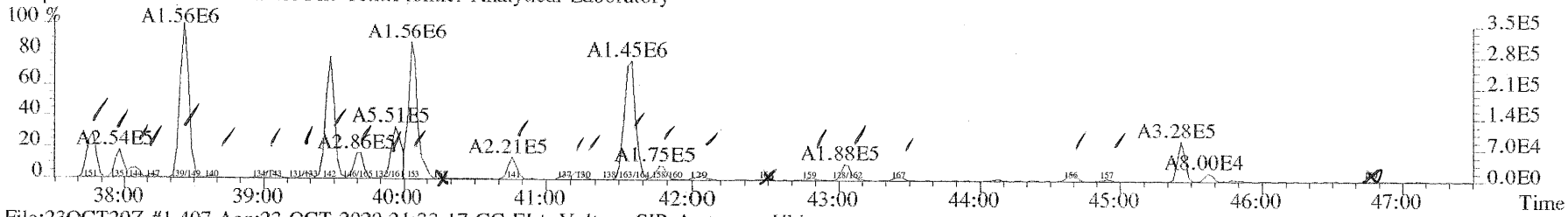
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



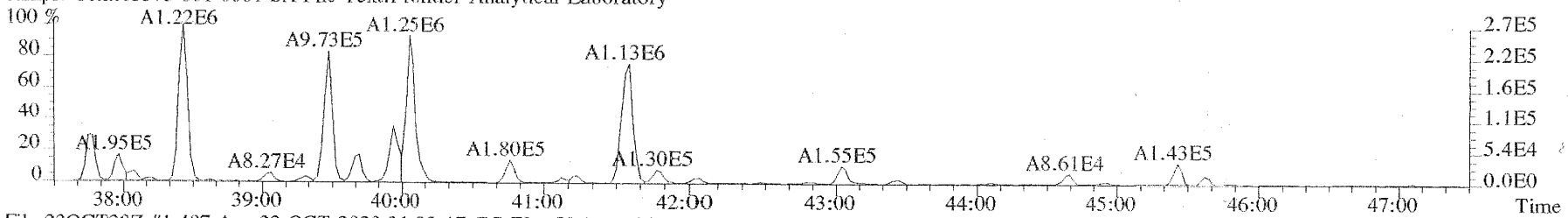
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
359.8415 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:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
361.8385 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:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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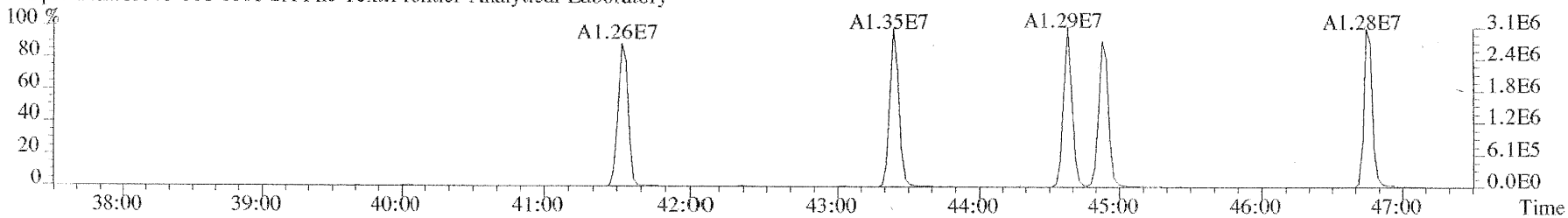
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
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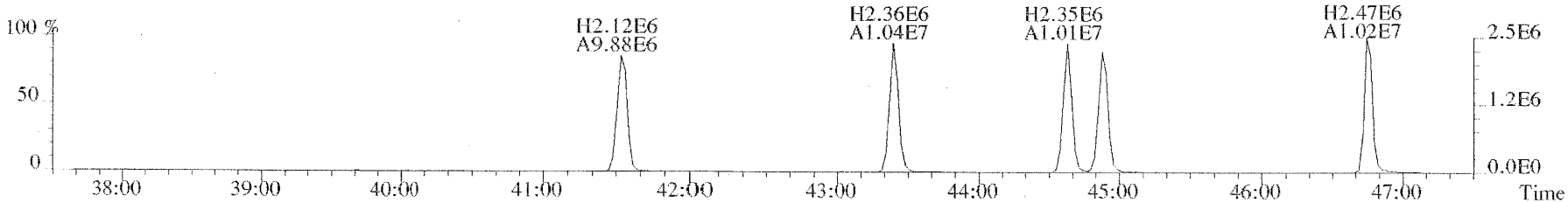
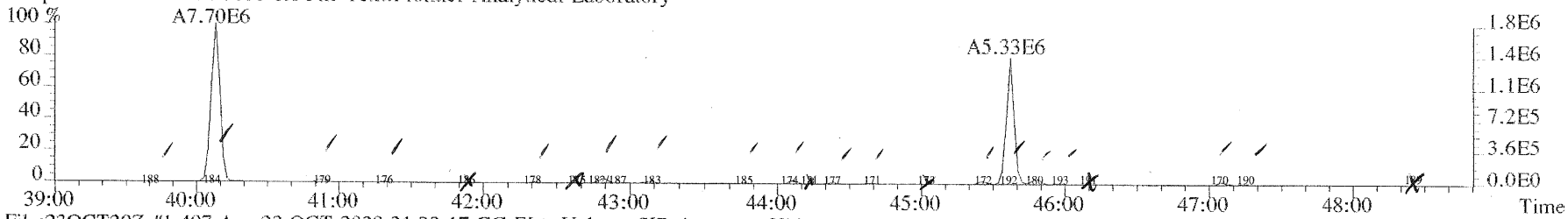
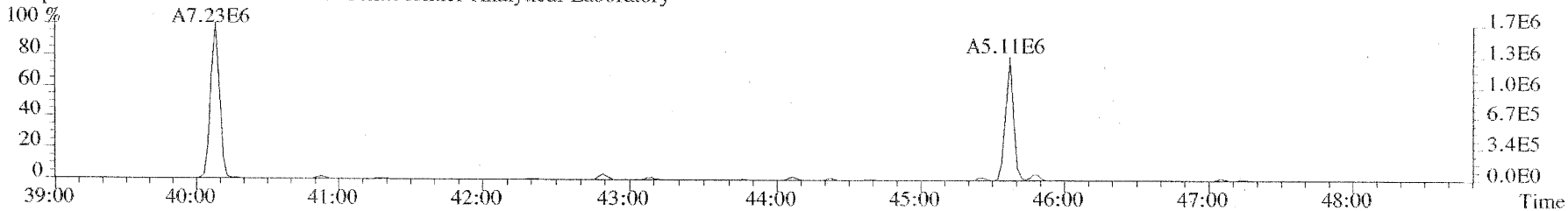
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



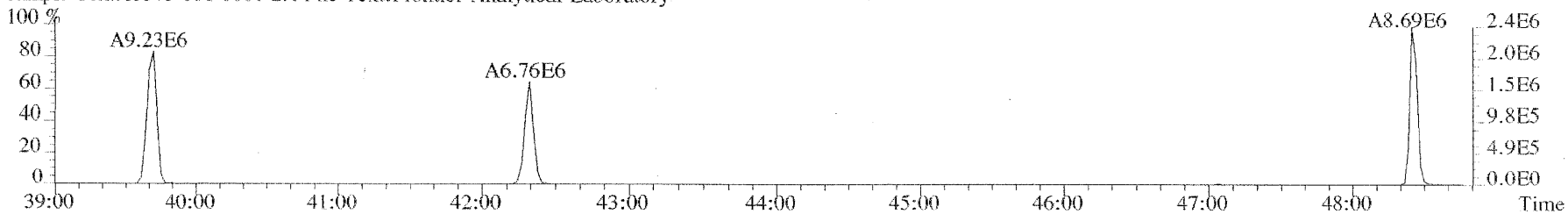
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



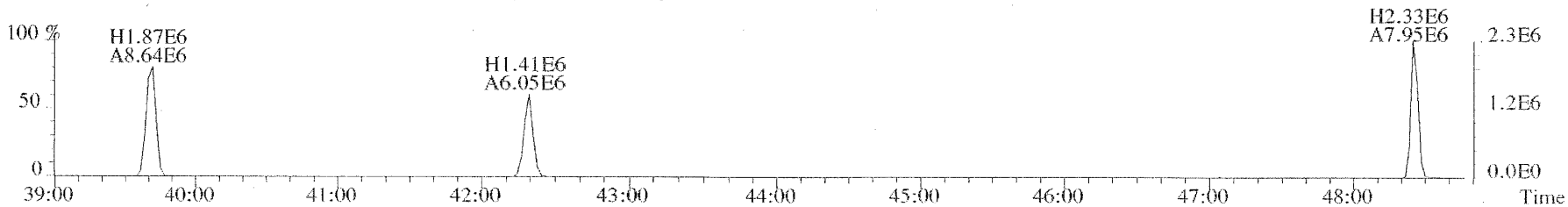
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



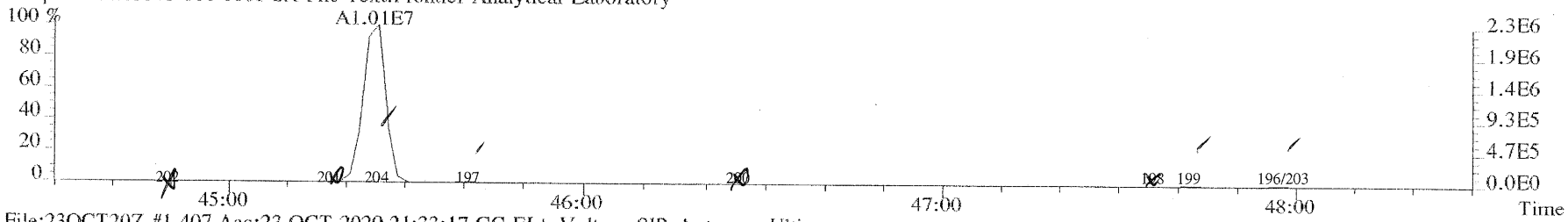
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



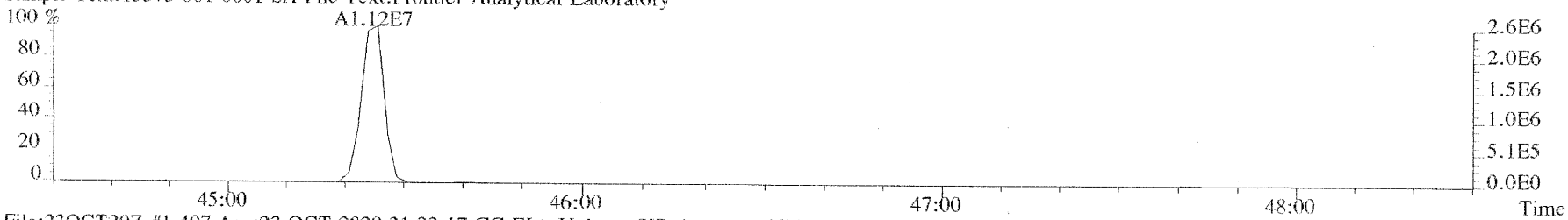
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



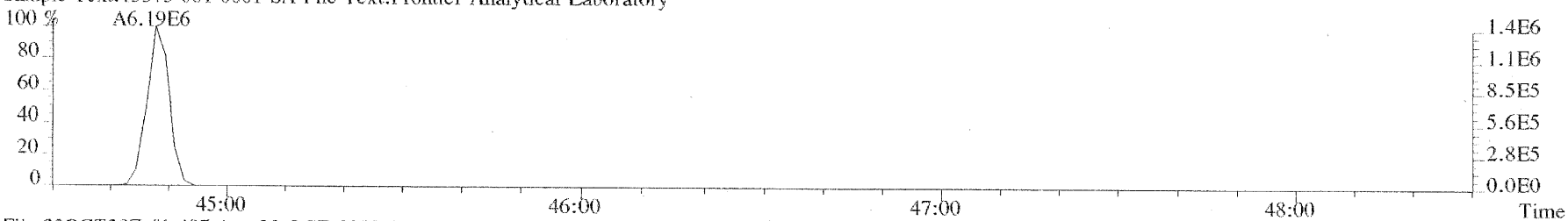
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



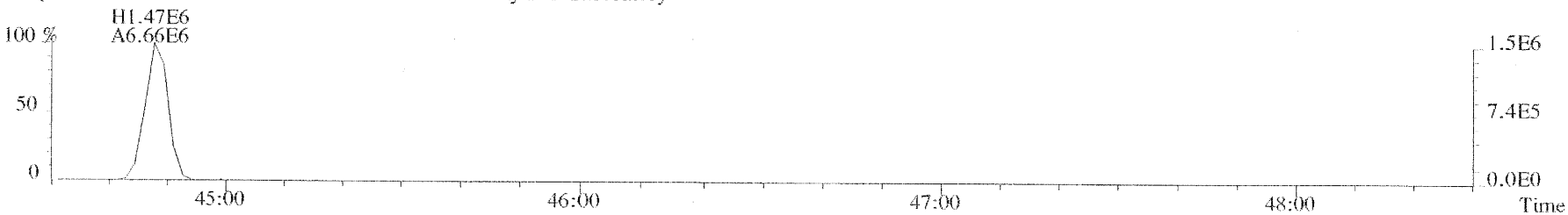
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



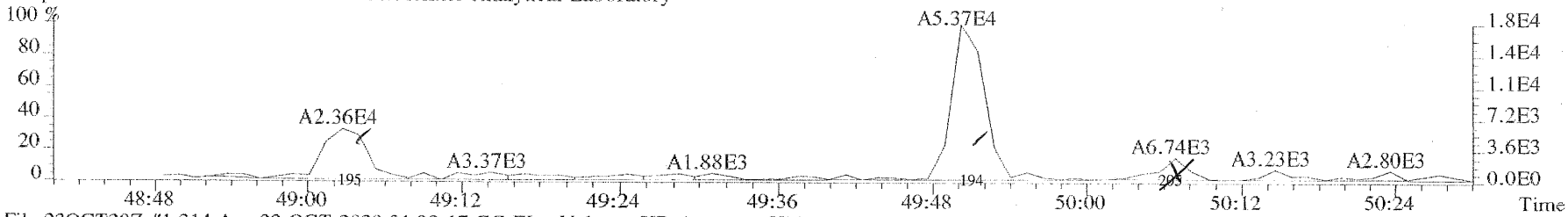
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



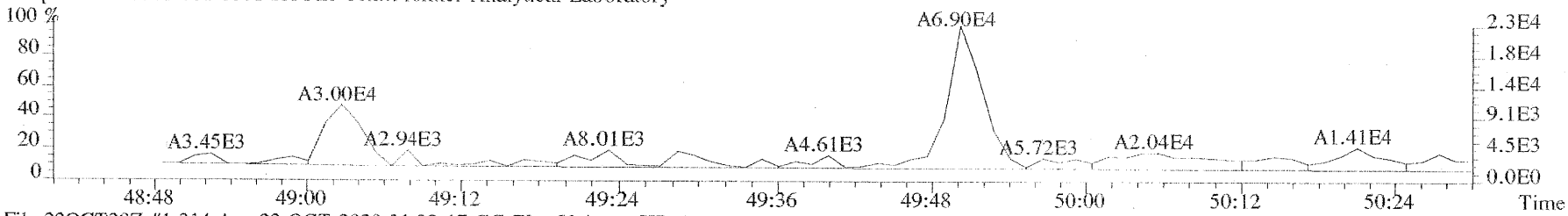
File:23OCT20Z #1-407 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



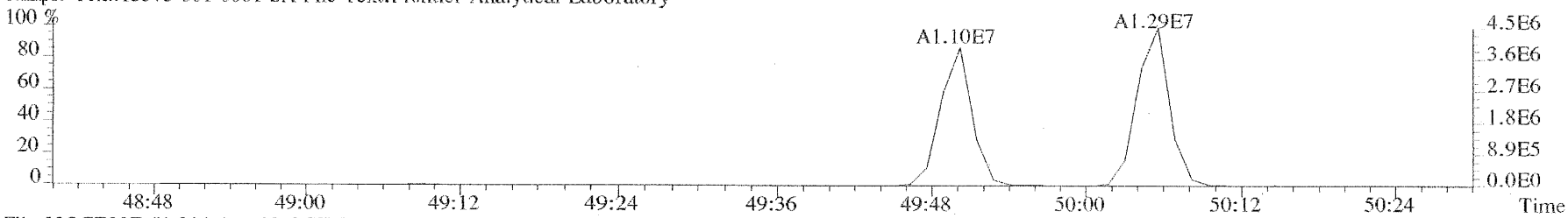
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



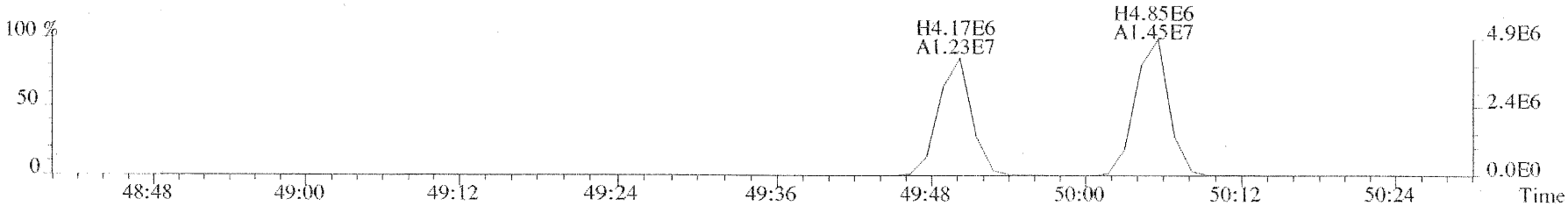
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



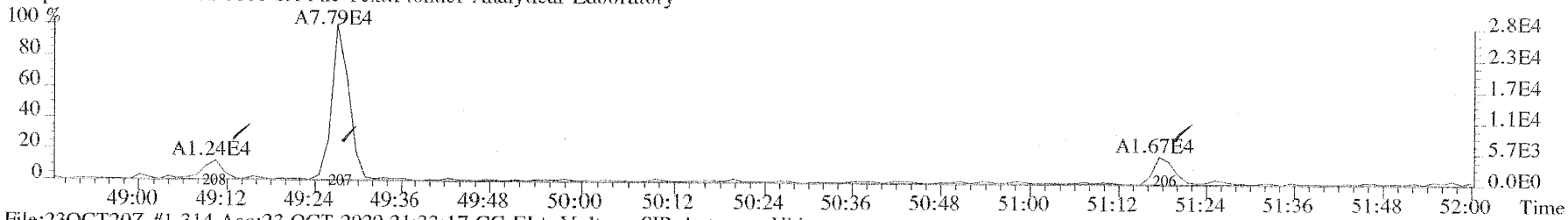
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



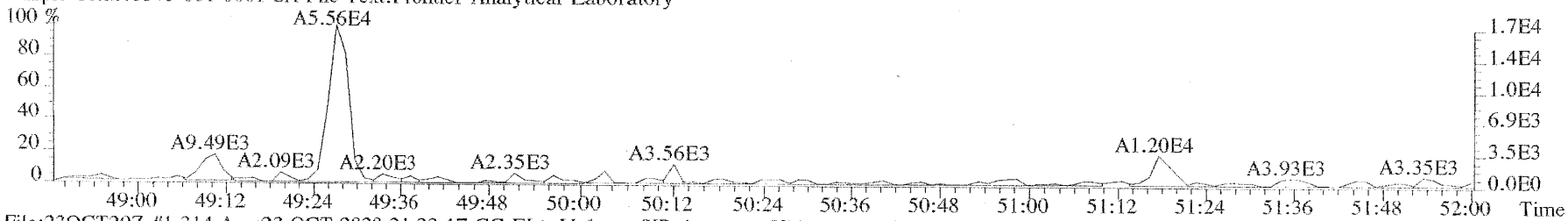
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



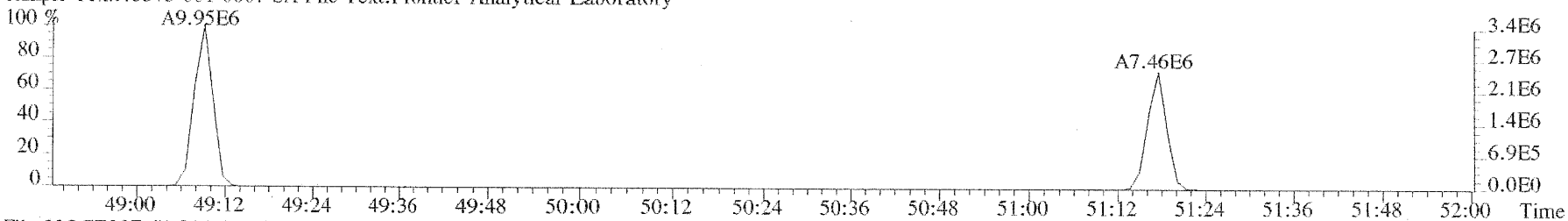
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



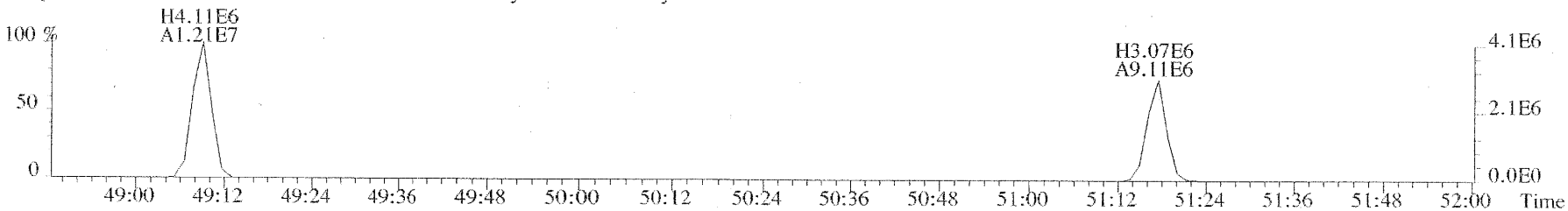
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



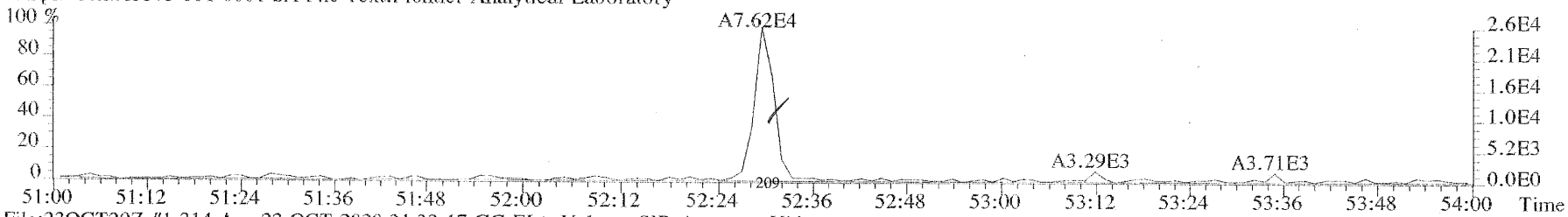
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



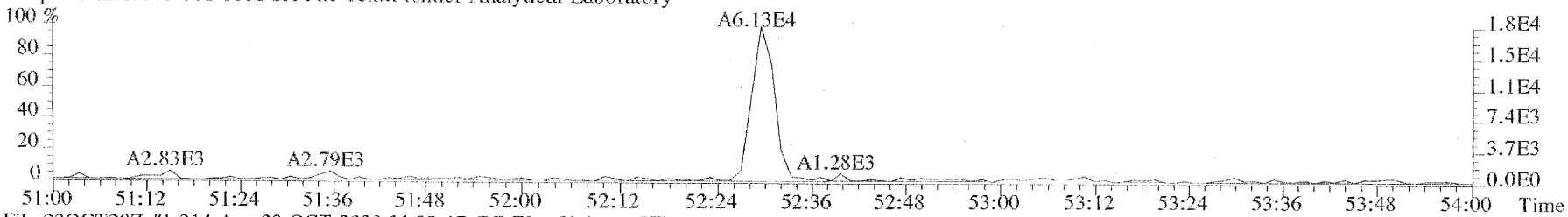
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



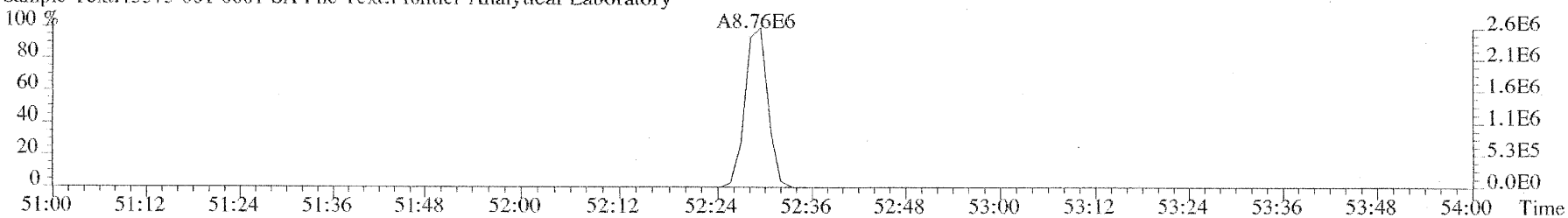
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



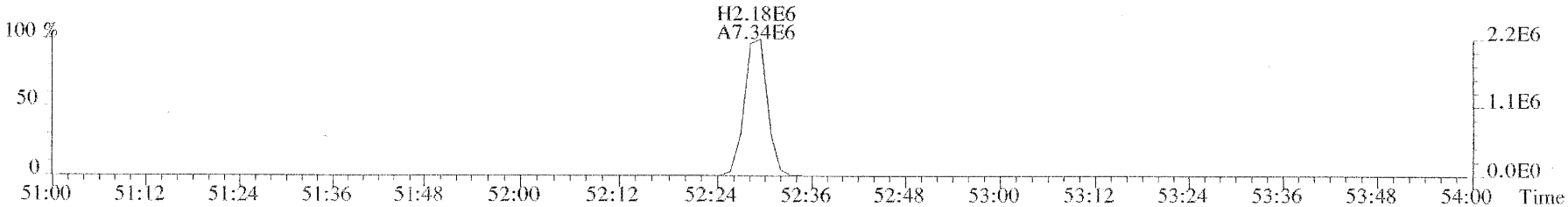
File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 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:13373-001-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 21:33:17 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:13373-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-002-0001-SA Filename: 23OCT20Z Sam:13 Acquired: 23-OCT-20 22:31:38 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CD-S010 ConCal: ST10232021 EndCal: ST10232022
Results: 13372-8 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	7.75e+04	2.89 y	14:33	1.35	20.3		-	-	*			
13C-PCB-1	2.83e+07	3.27 y	14:32	0.94	7090					70.9	7.52e+06	2.32e+06
PCB-2	*	* n	NotFnd	1.44	*		1180	964	4.37			
PCB-3	*	* n	NotFnd	1.39	*		1180	964	5.21			
13C-PCB-3	2.58e+07	3.32 y	16:57	0.88	6920					69.2	5.69e+06	1.72e+06
PCB-4	7.62e+05	1.54 y	18:12	1.16	268		-	-	*			
PCB-10	8.72e+04	1.56 y	18:15	1.68	17.5	J	-	-	*			
13C-PCB-4	2.44e+07	1.60 y	18:11	0.70	8250					82.5	4.64e+06	2.87e+06
PCB-9	1.41e+05	1.43 y	19:53	1.55	30.6		-	-	*			
PCB-7	1.17e+05	1.55 y	19:55	1.55	25.3		-	-	*			
PCB-6	7.25e+05	1.50 y	20:30	1.48	164		-	-	*			
PCB-8	2.02e+06	1.53 y	20:52	1.50	451		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		920	2840	8.01			
PCB-14	2.34e+06	1.48 y	21:55	1.53	514		-	-	*			
PCB-11	1.78e+05	1.58 y	23:03	1.39	43.0		-	-	*			
PCB-13	4.79e+04	1.37 y	23:23	1.33	12.1	J	-	-	*			
PCB-12	4.98e+04	1.46 y	23:24	1.39	12.1	J	-	-	*			
PCB-15	4.42e+05	1.44 y	23:43	1.30	97.3		-	-	*			
13C-PCB-15	3.51e+07	1.63 y	23:41	1.01	8170					81.7	5.13e+06	3.13e+06
PCB-19	4.50e+05	1.15 y	22:04	1.29	251		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2220	412	8.04			
PCB-18	4.17e+06	1.12 y	23:37	1.25	2400		-	-	*			
PCB-17	1.98e+06	1.14 y	23:47	1.44	989		-	-	*			
PCB-27	2.27e+05	1.19 y	24:17	1.80	90.9		-	-	*			
PCB-24	3.10e+05	1.09 y	24:18	1.85	120		-	-	*			
PCB-16	1.09e+06	1.10 y	24:47	1.61	485		-	-	*			
PCB-32	1.71e+06	1.11 y	24:49	1.62	760		-	-	*			
13C-PCB-19	1.39e+07	1.10 y	22:03	0.47	6960					69.6	2.09e+06	1.95e+06
13C-PCB-9	4.24e+07	1.62 y	19:51	-	91.3							
PCB-34	7.81e+04	1.04 y	25:34	1.18	22.0		-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1130	1150	6.73			
PCB-29	6.62e+04	1.16 y	25:53	1.36	16.2	J	-	-	*			
PCB-26	1.59e+06	1.07 y	26:05	1.34	393		-	-	*			
PCB-25	8.50e+05	1.17 y	26:14	1.27	222		-	-	*			
PCB-31	5.91e+06	1.07 y	26:34	1.41	1390		-	-	*			
PCB-28	6.76e+06	1.13 y	26:41	1.43	1570		-	-	*			
PCB-20	3.58e+06	1.13 y	27:16	1.27	938		-	-	*		Co-elute PCB 21/33	
PCB-21	3.58e+06	1.13 y	27:16	1.27	938		-	-	*		Co-elute PCB 20/33	
PCB-33	3.58e+06	1.13 y	27:16	1.27	938		-	-	*		Co-elute PCB 20/21	
PCB-22	2.00e+06	1.12 y	27:40	1.33	502		-	-	*			
PCB-36	2.81e+06	1.11 y	28:16	1.37	683		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1130	1150	7.34			
PCB-38	7.91e+04	1.00 y	29:33	1.35	19.4	J	-	-	*			
PCB-35	6.13e+04	1.12 y	29:57	1.27	16.1	J	-	-	*			
PCB-37	8.91e+05	1.15 y	30:22	1.21	244		-	-	*			
13C-PCB-37	3.01e+07	1.07 y	30:21	1.77	8700					87.0	3.33e+06	3.13e+06

PCB-54	3.86e+04	0.77	y	25:35	1.36	14.3	J	-	-	*			
PCB-50	3.71e+04	0.76	y	26:42	1.16	16.2	J	-	-	*			
PCB-53	1.07e+06	0.82	y	27:19	1.02	528		-	-	*			
PCB-51	3.38e+05	0.83	y	27:39	1.04	164		-	-	*			
PCB-45	8.34e+05	0.76	y	28:03	0.98	430		-	-	*			
PCB-46	3.19e+05	0.79	y	28:31	0.92	176		-	-	*			
PCB-52	7.01e+06	0.78	y	28:57	1.11	3200		-	-	*	Co-elute PCB 69		
PCB-69	7.01e+06	0.78	y	28:57	1.11	3200		-	-	*	Co-elute PCB 52		
PCB-73	8.59e+04	0.83	y	29:04	1.30	33.3		-	-	*			
PCB-43	4.42e+06	0.76	y	29:15	1.00	2240		-	-	*	Co-elute PCB 49		
PCB-49	4.42e+06	0.76	y	29:15	1.00	2240		-	-	*	Co-elute PCB 43		
PCB-47	1.54e+06	0.79	y	29:26	0.99	782		-	-	*			
PCB-48	1.18e+06	0.80	y	29:33	1.26	471		-	-	*	Co-elute PCB 75		
PCB-75	1.18e+06	0.80	y	29:33	1.26	471		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		704	1130	6.46			
PCB-62	*	*	n	NotFnd	1.19	*		704	1130	7.33			
PCB-44	3.86e+06	0.79	y	30:11	0.85	2300		-	-	*			
PCB-42	1.74e+06	0.80	y	30:24	1.12	785		-	-	*	Co-elute PCB 59		
PCB-59	1.74e+06	0.80	y	30:24	1.12	785		-	-	*	Co-elute PCB 42		
PCB-72	4.45e+06	0.79	y	30:57	1.22	1830		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.45e+06	0.79	y	30:57	1.22	1830		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.45e+06	0.79	y	30:57	1.22	1830		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.45e+06	0.79	y	30:57	1.22	1830		-	-	*	Co-elute PCB 72/41/71		
PCB-68	8.72e+04	0.74	y	31:10	1.32	33.4		-	-	*			
PCB-40	5.69e+05	0.81	y	31:24	0.82	352		-	-	*			
PCB-57	4.07e+04	0.75	y	31:44	1.33	15.5	J	-	-	*			
PCB-67	1.73e+05	0.79	y	32:02	1.26	69.2		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		704	1130	6.86			
PCB-63	1.96e+05	0.70	y	32:18	1.35	72.9		-	-	*			
PCB-74	1.96e+06	0.79	y	32:35	1.24	801		-	-	*			
PCB-61	4.26e+06	0.80	y	32:46	1.17	1830		-	-	*	Co-elute PCB 70		
PCB-70	4.26e+06	0.80	y	32:46	1.17	1830		-	-	*	Co-elute PCB 61		
PCB-76	3.62e+06	0.80	y	32:57	1.39	1320		-	-	*	Co-elute PCB 66		
PCB-66	3.62e+06	0.80	y	32:57	1.39	1320		-	-	*	Co-elute PCB 76		
PCB-80	1.15e+05	0.67	y	33:08	1.56	37.2		-	-	*			
PCB-55	1.66e+05	0.82	y	33:29	1.32	63.5		-	-	*			
13C-PCB-54	1.98e+07	0.81	y	25:35	1.32	7710					77.1	2.37e+06	2.90e+06
PCB-104	3.29e+06	1.57	y	30:03	1.23	1970		-	-	*			
PCB-96	5.37e+04	1.50	y	31:14	1.20	32.9		-	-	*			
PCB-103	7.79e+04	1.56	y	31:44	1.01	56.9		-	-	*			
PCB-100	3.91e+04	1.66	y	32:04	0.94	30.8		-	-	*			
PCB-94	2.41e+04	1.39	y	32:30	0.78	22.9		-	-	*			
PCB-98	*	*	n	NotFnd	0.77	*		368	316	5.90	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		368	316	5.90	Co-elute PCB 98		
PCB-95	3.31e+06	1.53	y	33:02	0.96	2530		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		368	316	4.94			
PCB-88	*	*	n	NotFnd	0.52	*		368	316	8.76	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		368	316	8.76	Co-elute PCB 88		
PCB-121	5.85e+06	1.54	y	33:29	1.08	3970		-	-	*			
13C-PCB-104	1.36e+07	1.57	y	30:02	0.96	7240					72.4	2.29e+06	1.45e+06
13C-PCB-28	3.32e+07	1.04	y	26:39	2.13	8010					80.1	3.89e+06	3.69e+06
13C-PCB-52	1.95e+07	0.80	y	28:56	-	90.3							

PCB-56	2.76e+06	0.79	y	33:57	1.21	807		-	-	*		Co-elute PCB 60
PCB-60	2.76e+06	0.79	y	33:57	1.21	807		-	-	*		Co-elute PCB 56
PCB-79	8.53e+04	0.66	y	34:59	1.38	21.9		-	-	*		
PCB-78	8.45e+06	0.80	y	35:38	1.38	2170		-	-	*		
PCB-81	1.80e+05	0.71	y	36:09	1.41	46.4		-	-	*		
13C-PCB-81	2.76e+07	0.79	y	36:07	1.78	9110					91.1	2.40e+06 3.08e+06
PCB-77	2.89e+05	0.75	y	36:41	1.17	85.2		-	-	*		
13C-PCB-77	2.90e+07	0.80	y	36:40	1.84	9290					92.9	2.52e+06 3.13e+06
PCB-155	6.48e+06	1.29	y	34:12	1.14	3840		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		516	616	7.14		
PCB-152	*	*	n	NotFnd	1.15	*		516	616	6.60		
PCB-145	*	*	n	NotFnd	1.06	*		516	616	7.14		
PCB-136	5.68e+05	1.26	y	36:35	1.05	365		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		516	616	8.27		
PCB-154	6.96e+04	1.29	y	37:09	0.93	50.5		-	-	*		
13C-PCB-155	1.48e+07	1.32	y	34:11	1.26	6890					68.9	2.09e+06 1.63e+06
13C-PCB-111	1.79e+07	1.63	y	36:16	1.32	7970					79.7	2.48e+06 1.53e+06
13C-PCB-101	1.70e+07	1.62	y	34:37	-	96.5						
PCB-84	2.12e+06	1.60	y	34:17	0.74	1100		-	-	*		Co-elute PCB 92
PCB-92	2.12e+06	1.60	y	34:17	0.74	1100		-	-	*		Co-elute PCB 84
PCB-89	7.44e+04	1.65	y	34:27	0.77	37.3		-	-	*		
PCB-90	4.80e+06	1.59	y	34:38	0.80	2300		-	-	*		Co-elute PCB 101
PCB-101	4.80e+06	1.59	y	34:38	0.80	2300		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		981	890	9.49		
PCB-99	2.13e+06	1.58	y	34:57	0.92	887		-	-	*		
PCB-119	1.70e+05	1.35	y	35:23	1.06	61.8		-	-	*		
PCB-83	2.22e+05	1.46	y	35:33	0.83	103		-	-	*		Co-elute PCB 112
PCB-112	2.22e+05	1.46	y	35:33	0.83	103		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		981	890	8.70		
PCB-97	1.19e+06	1.56	y	35:53	0.68	674		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		981	890	12.4		
PCB-125	1.61e+06	1.52	y	36:09	0.92	671		-	-	*		Co-elute PCB 87/117
PCB-87	1.61e+06	1.52	y	36:09	0.92	671		-	-	*		Co-elute PCB 125/117
PCB-117	1.61e+06	1.52	y	36:09	0.92	671		-	-	*		Co-elute PCB 125/87
PCB-111	8.62e+04	1.43	y	36:17	0.99	33.4		-	-	*		Co-elute PCB 115
PCB-115	8.62e+04	1.43	y	36:17	0.99	33.4		-	-	*		Co-elute PCB 111
PCB-85	5.93e+05	1.48	y	36:23	0.92	248		-	-	*		Co-elute PCB 116
PCB-116	5.93e+05	1.48	y	36:23	0.92	248		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		981	890	7.54		
PCB-110	5.07e+06	1.57	y	36:46	0.99	1960		-	-	*		
PCB-82	3.51e+05	1.58	y	37:23	0.65	208		-	-	*		
PCB-124	2.01e+05	1.53	y	38:01	1.25	61.6		-	-	*		
PCB-108	3.28e+05	1.51	y	38:11	1.23	102		-	-	*		Co-elute PCB 107
PCB-107	3.28e+05	1.51	y	38:11	1.23	102		-	-	*		Co-elute PCB 108
PCB-123	7.82e+04	1.36	y	38:19	1.19	26.5		-	-	*		
13C-PCB-123	2.48e+07	1.55	y	38:17	1.42	8510					85.1	3.40e+06 2.13e+06
PCB-118	3.68e+06	1.61	y	38:29	1.22	1120		-	-	*		Co-elute PCB 106
PCB-106	3.68e+06	1.61	y	38:29	1.22	1120		-	-	*		Co-elute PCB 118
13C-PCB-118	2.70e+07	1.65	y	38:29	1.59	8320					83.2	3.37e+06 2.08e+06
PCB-114	1.07e+05	1.42	y	39:07	1.18	33.8		-	-	*		
13C-PCB-114	2.68e+07	1.60	y	39:05	1.50	8760					87.6	3.52e+06 2.18e+06
PCB-122	6.02e+04	1.70	y	39:15	1.30	17.8	J	-	-	*		
PCB-105	1.27e+06	1.64	y	39:56	1.36	363		-	-	*		
13C-PCB-105	2.57e+07	1.60	y	39:55	1.52	8280					82.8	3.44e+06 2.13e+06

PCB-127	*	*	n	NotFnd	1.27	*		860	1130	7.04			
PCB-126	*	*	n	NotFnd	1.23	*		860	1130	8.49			
13C-PCB-126	2.47e+07	1.57	y	42:01	1.36	8900					89.0	2.92e+06	1.85e+06
PCB-151	9.23e+05	1.28	y	37:46	1.14	421		-	-	*			
PCB-135	5.08e+05	1.30	y	37:58	1.05	251		-	-	*			
PCB-144	1.93e+05	1.23	y	38:04	1.17	85.9		-	-	*			
PCB-147	7.47e+04	1.14	y	38:11	1.24	31.2		-	-	*			
PCB-139	3.00e+06	1.28	y	38:26	1.14	1370		-	-	*	Co-elute PCB 149		
PCB-149	3.00e+06	1.28	y	38:26	1.14	1370		-	-	*	Co-elute PCB 139		
PCB-140	5.18e+04	1.09	y	38:37	1.27	21.2		-	-	*			
PCB-143	1.96e+05	1.12	y	39:02	1.00	102		-	-	*	Co-elute PCB 134		
PCB-134	1.96e+05	1.12	y	39:02	1.00	102		-	-	*	Co-elute PCB 143		
PCB-131	1.06e+05	1.24	y	39:18	1.00	55.0		-	-	*	Co-elute PCB 133		
PCB-133	1.06e+05	1.24	y	39:18	1.00	55.0		-	-	*	Co-elute PCB 131		
PCB-142	1.14e+06	1.25	y	39:28	1.05	562		-	-	*			
PCB-165	5.50e+05	1.21	y	39:41	1.30	220		-	-	*	Co-elute PCB 146		
PCB-146	5.50e+05	1.21	y	39:41	1.30	220		-	-	*	Co-elute PCB 165		
PCB-161	1.07e+06	1.23	y	39:56	1.24	449		-	-	*	Co-elute PCB 132		
PCB-132	1.07e+06	1.23	y	39:56	1.24	449		-	-	*	Co-elute PCB 161		
PCB-153	3.04e+06	1.21	y	40:03	1.40	1130		-	-	*			
PCB-168	*	*	n	NotFnd	1.38	*		980	890	7.87			
PCB-141	4.73e+05	1.36	y	40:46	1.13	217		-	-	*			
PCB-137	1.14e+05	1.27	y	41:07	1.01	58.4		-	-	*			
PCB-130	1.64e+05	1.06	y	41:14	1.05	80.7		-	-	*			
PCB-138	2.95e+06	1.28	y	41:35	1.25	1220		-	-	*	Co-elute PCB 163/164		
PCB-163	2.95e+06	1.28	y	41:35	1.25	1220		-	-	*	Co-elute PCB 138/164		
PCB-164	2.95e+06	1.28	y	41:35	1.25	1220		-	-	*	Co-elute PCB 138/163		
PCB-158	3.41e+05	1.28	y	41:48	1.42	125		-	-	*	Co-elute PCB 160		
PCB-160	3.41e+05	1.28	y	41:48	1.42	125		-	-	*	Co-elute PCB 158		
PCB-129	1.02e+05	1.23	y	42:01	0.99	53.4		-	-	*			
PCB-166	*	*	n	NotFnd	1.42	*		980	890	7.67			
PCB-159	5.35e+04	1.09	y	42:49	1.53	18.2	J	-	-	*			
PCB-128	3.75e+05	1.23	y	43:02	1.14	171		-	-	*	Co-elute PCB 162		
PCB-162	3.75e+05	1.23	y	43:02	1.14	171		-	-	*	Co-elute PCB 128		
PCB-167	9.51e+04	1.28	y	43:25	1.33	36.3		-	-	*			
13C-PCB-167	1.97e+07	1.31	y	43:24	1.16	8360					83.6	2.55e+06	1.93e+06
PCB-156	2.17e+05	1.29	y	44:39	1.40	82.8		-	-	*			
13C-PCB-156	1.87e+07	1.29	y	44:38	1.13	8120					81.2	2.45e+06	1.84e+06
PCB-157	5.70e+04	1.13	y	44:54	1.26	23.1		-	-	*			
13C-PCB-157	1.96e+07	1.29	y	44:52	1.14	8370					83.7	2.25e+06	1.80e+06
PCB-169	*	*	n	NotFnd	1.22	*		980	890	8.74			
13C-PCB-169	1.90e+07	1.25	y	46:44	1.04	8980					89.8	2.43e+06	1.95e+06

PCB-188	3.68e+04	1.13	y	39:41	1.19	19.9	J	-	-	*			
13C-PCB-188	1.56e+07	1.07	y	39:41	1.06	7160					71.6	1.78e+06	1.63e+06
PCB-184	9.30e+06	1.06	y	40:08	1.38	4570		-	-	*			
PCB-179	2.89e+05	1.09	y	40:52	1.38	142		-	-	*			
PCB-176	9.42e+04	1.17	y	41:19	1.33	48.1		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		490	396	4.82			
PCB-178	9.61e+04	1.01	y	42:21	0.95	69.0		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		490	396	6.16			
PCB-187	5.10e+05	1.07	y	42:49	1.04	331		-	-	*		Co-elute PCB 182	
PCB-182	5.10e+05	1.07	y	42:49	1.04	331		-	-	*		Co-elute PCB 187	
PCB-183	2.44e+05	1.14	y	43:07	1.07	154		-	-	*			
PCB-185	5.05e+04	1.01	y	43:47	0.88	38.8		-	-	*			
PCB-174	3.51e+05	1.07	y	44:06	0.94	253		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		490	396	6.51			
PCB-177	2.02e+05	1.19	y	44:21	0.90	151		-	-	*			
PCB-171	7.83e+04	1.02	y	44:38	0.96	55.3		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		490	396	7.16			
PCB-172	1.94e+05	1.10	y	45:25	0.90	147		-	-	*			
PCB-192	6.93e+06	1.06	y	45:37	1.07	4380		-	-	*			
PCB-180	6.20e+05	1.10	y	45:47	0.86	491		-	-	*			
PCB-193	6.97e+04	1.07	y	45:58	1.19	39.6		-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		490	396	5.06			
PCB-170	2.31e+05	1.18	y	47:04	0.86	182		-	-	*			
PCB-190	6.57e+04	0.95	y	47:14	1.17	38.1		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		490	396	4.71			
13C-PCB-189	1.39e+07	1.10	y	48:25	0.86	7890					78.9	2.08e+06	1.95e+06
PCB-202	3.28e+04	0.91	y	44:49	1.11	26.5		-	-	*			
PCB-201	*	*	n	NotFnd	1.27	*		392	430	6.32			
PCB-204	1.51e+07	0.92	y	45:25	1.28	10700		-	-	*			
PCB-197	8.34e+04	0.97	y	45:40	1.20	62.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		392	430	6.39			
PCB-198	*	*	n	NotFnd	0.90	*		392	430	8.94			
PCB-199	7.43e+04	0.99	y	47:42	0.85	78.6		-	-	*			
PCB-203	9.49e+04	0.95	y	47:57	0.95	90.1		-	-	*		Co-elute PCB 196	
PCB-196	9.49e+04	0.95	y	47:57	0.95	90.1		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.11e+07	0.92	y	44:48	0.77	7100					71.0	1.22e+06	1.34e+06
13C-PCB-178	1.13e+07	1.10	y	42:19	0.76	7290					72.9	1.40e+06	1.24e+06
13C-PCB-138	2.04e+07	1.30	y	41:32	-	103							
PCB-195	5.66e+04	0.98	y	49:03	0.94	26.7		-	-	*			
PCB-194	1.42e+05	0.81	y	49:50	1.03	60.8		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		1200	1260	7.16			
13C-PCB-205	2.27e+07	0.90	y	50:06	1.30	8080					80.8	3.49e+06	3.83e+06
PCB-208	1.71e+04	1.23	y	49:10	1.16	8.09	J	-	-	*			
13C-PCB-208	1.82e+07	0.82	y	49:09	1.13	7530					75.3	2.90e+06	3.56e+06
PCB-207	9.14e+04	1.21	y	49:27	1.39	41.0		-	-	*			
PCB-206	3.01e+04	1.25	y	51:19	1.17	18.7	J	-	-	*			
13C-PCB-206	1.37e+07	0.80	y	51:17	0.85	7530					75.3	2.12e+06	2.57e+06
PCB-209	1.11e+05	1.09	y	52:29	1.24	67.2		-	-	*			
13C-PCB-209	1.34e+07	1.22	y	52:28	0.88	7090					70.9	2.24e+06	1.91e+06
13C-PCB-194	2.15e+07	0.91	y	49:50	-	108							

Analyst: _____ Date: 10/30/20

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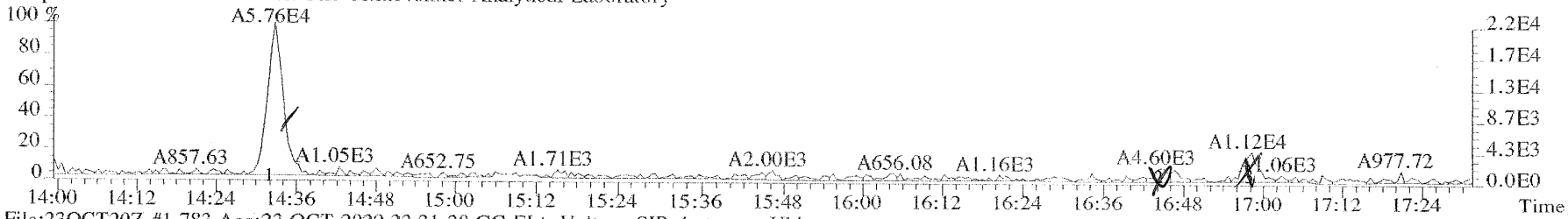

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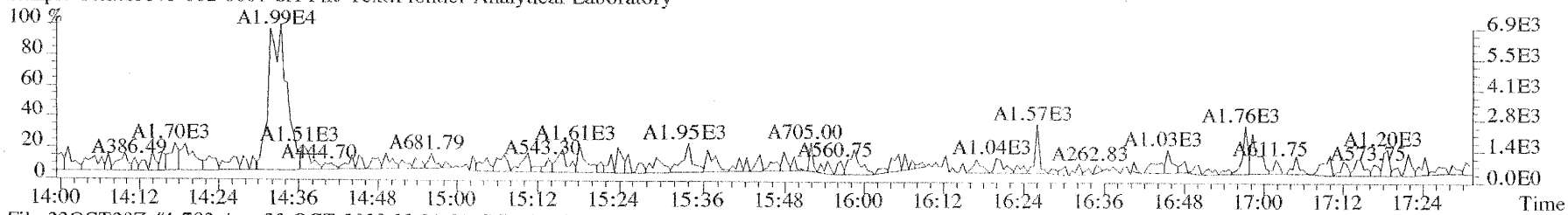

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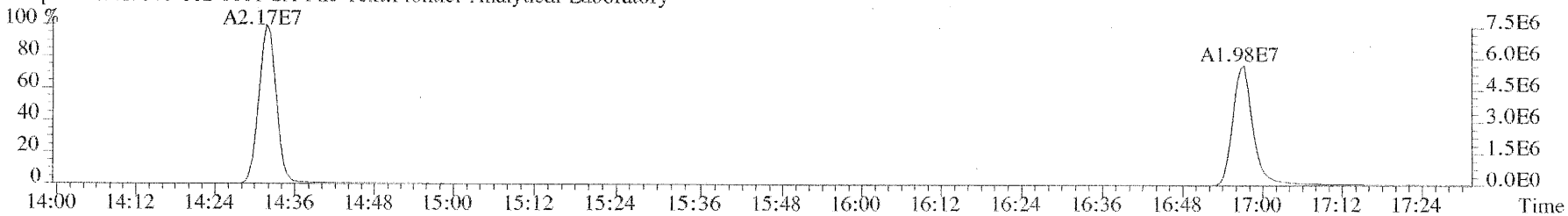

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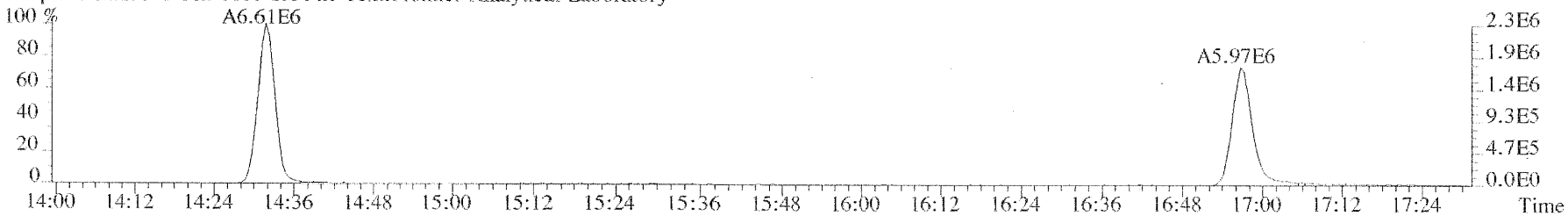
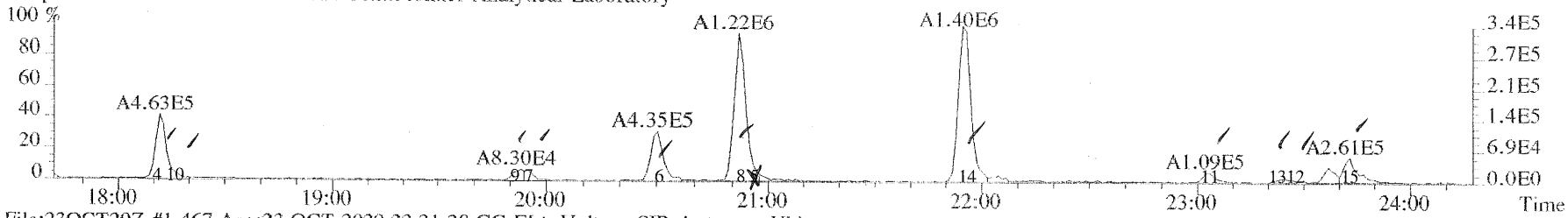
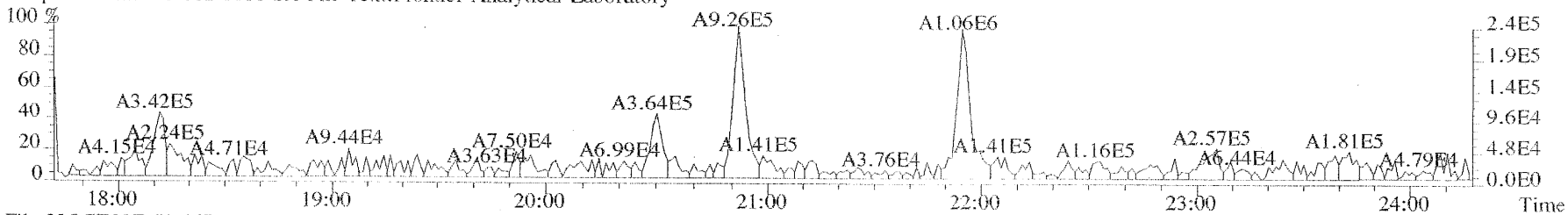
202.0766 S:13 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



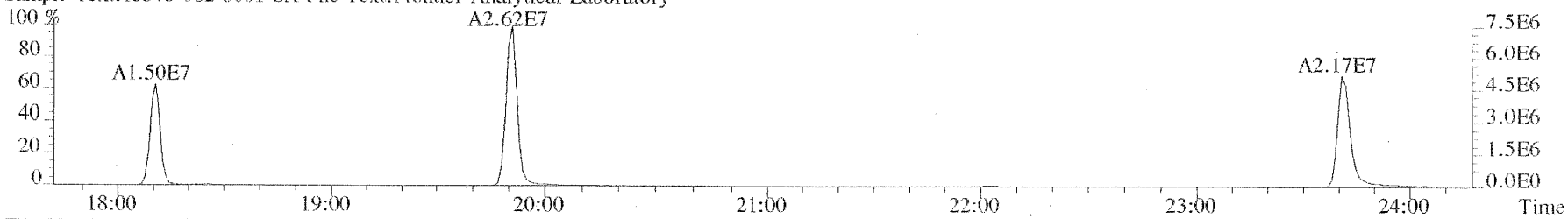
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



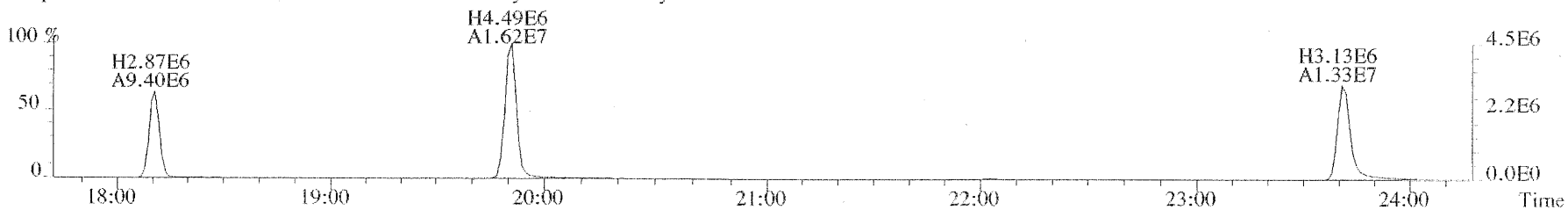
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



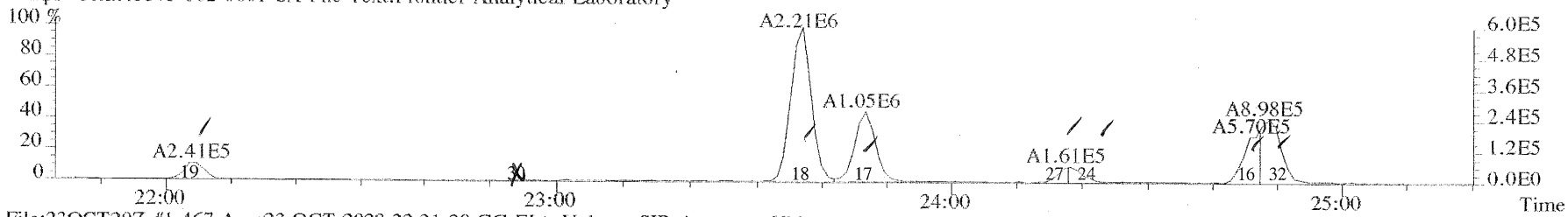
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



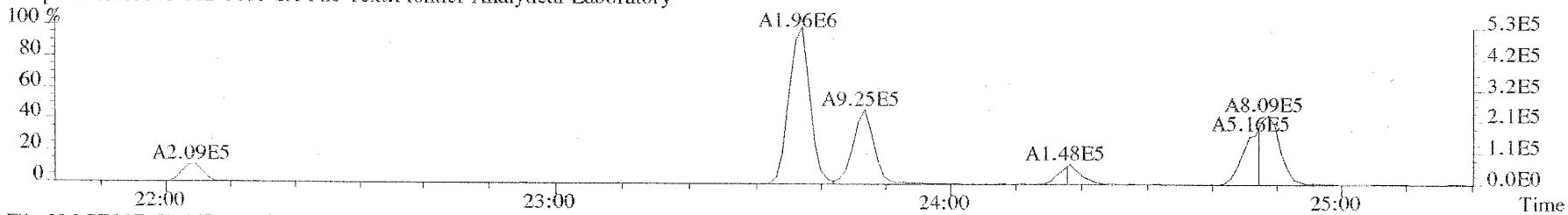
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



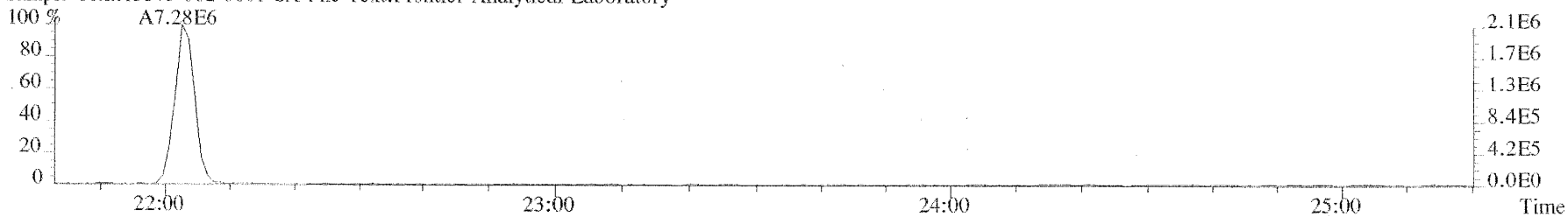
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



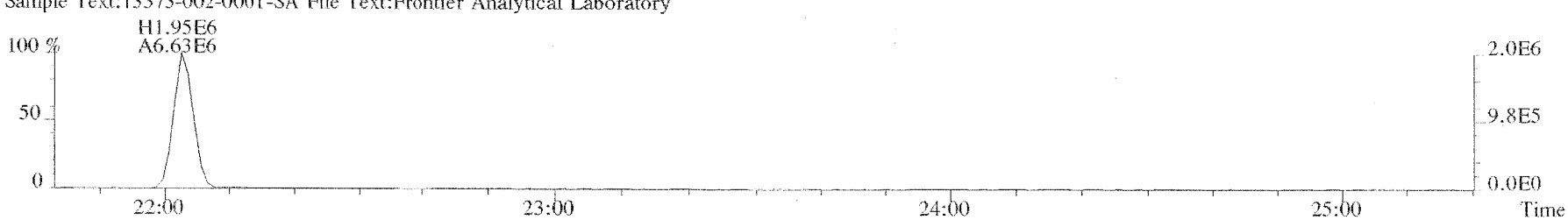
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



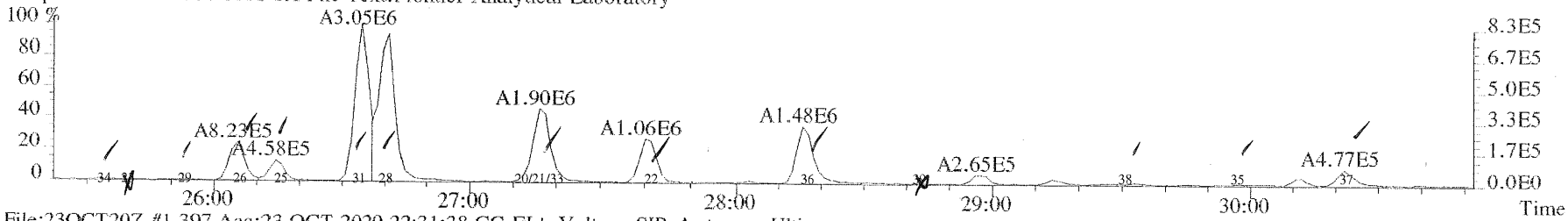
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



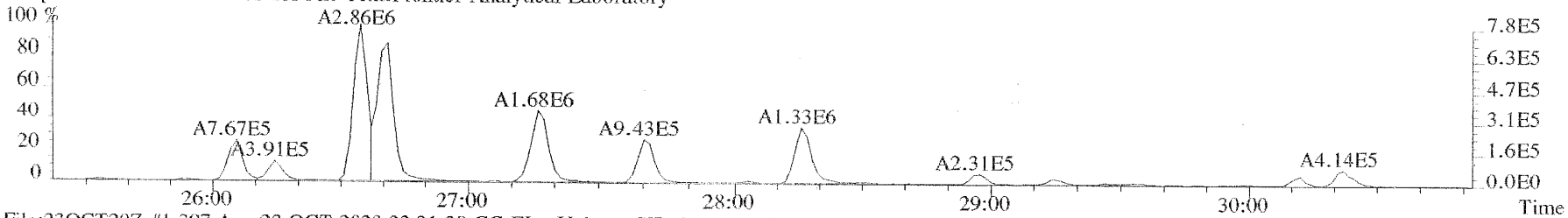
File:23OCT20Z #1-467 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



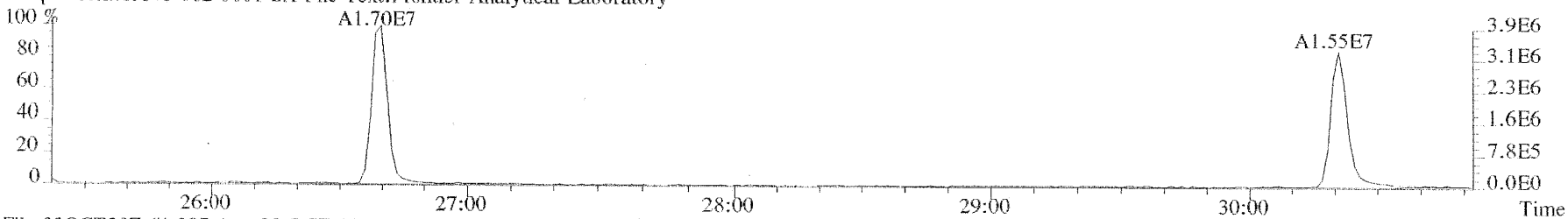
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



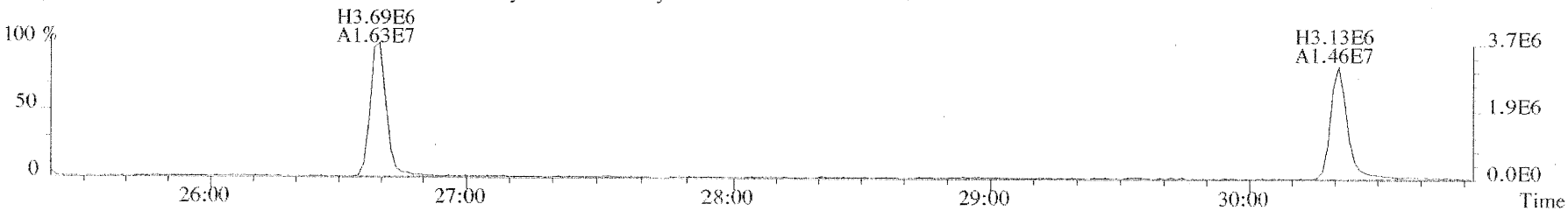
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



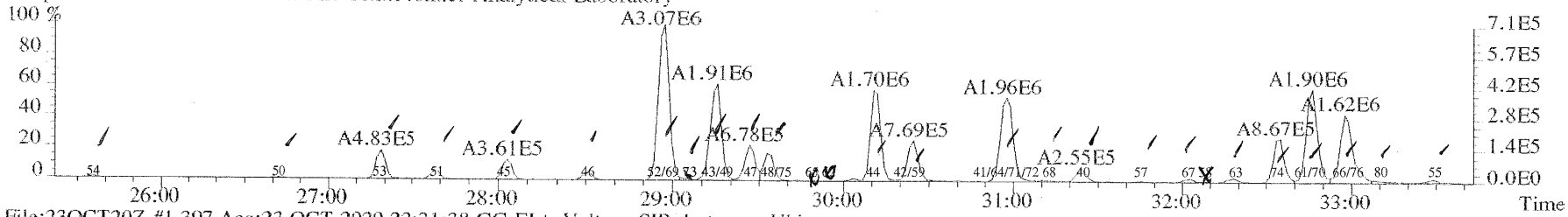
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



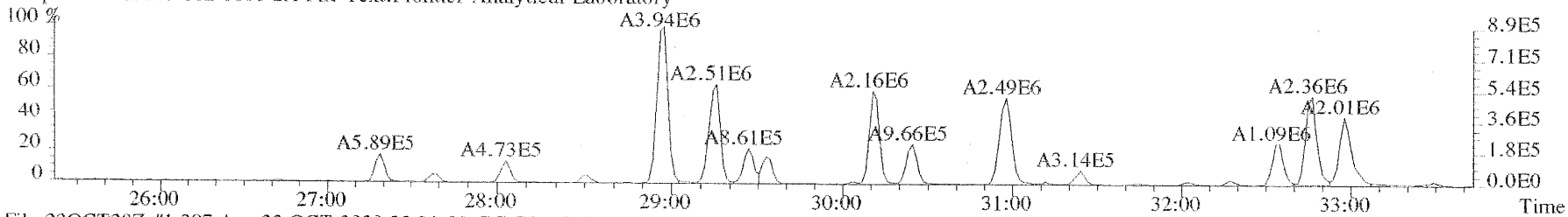
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



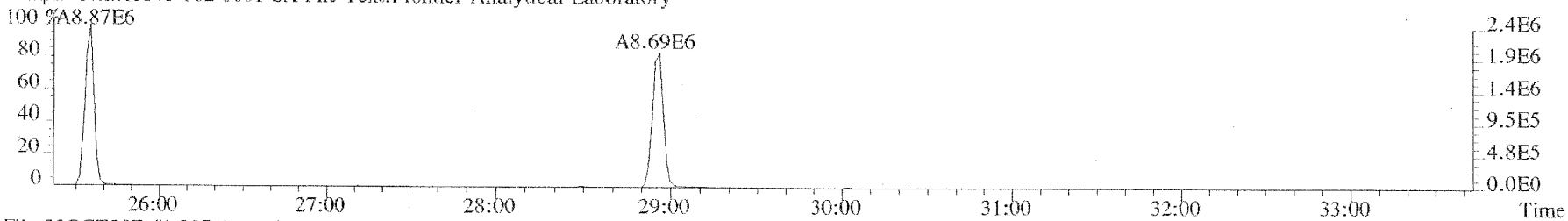
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



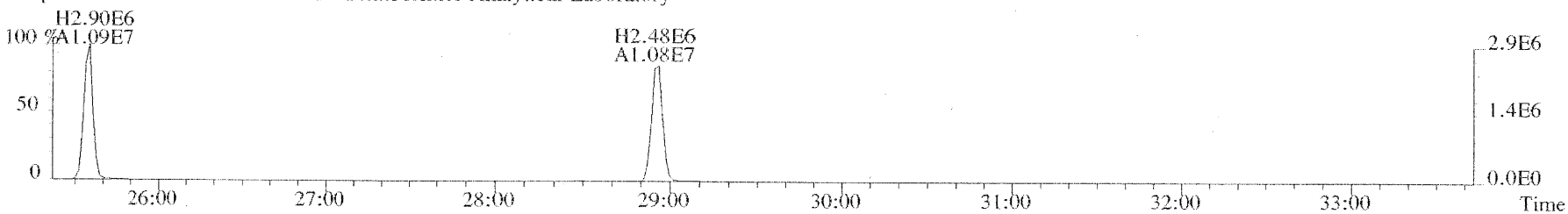
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



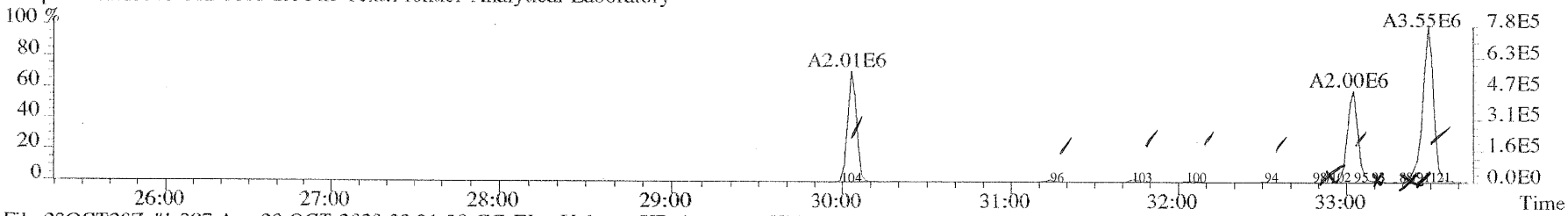
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



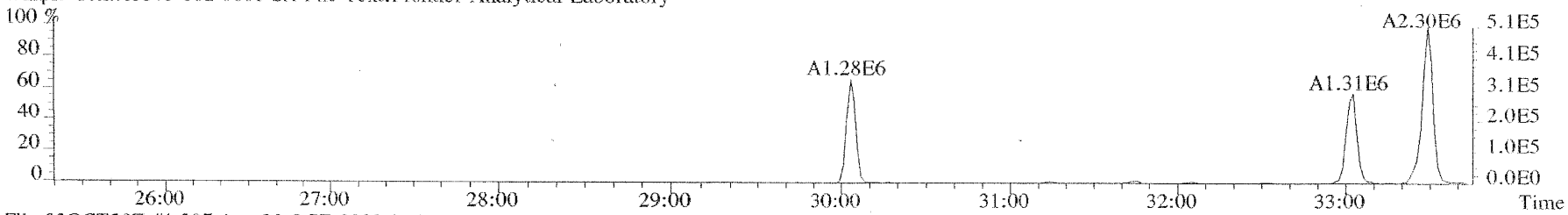
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



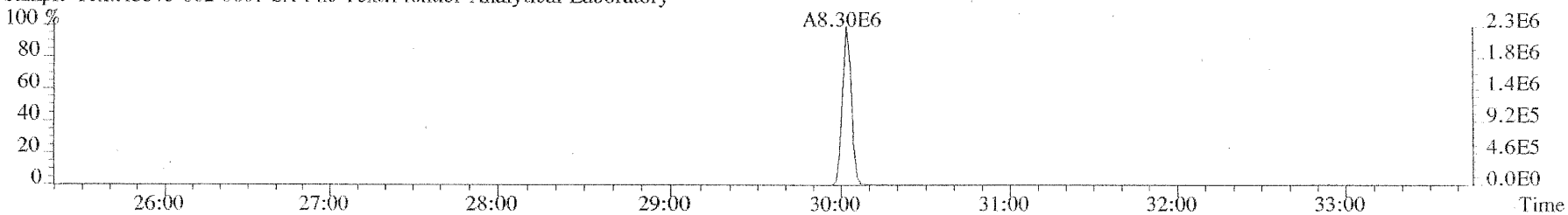
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



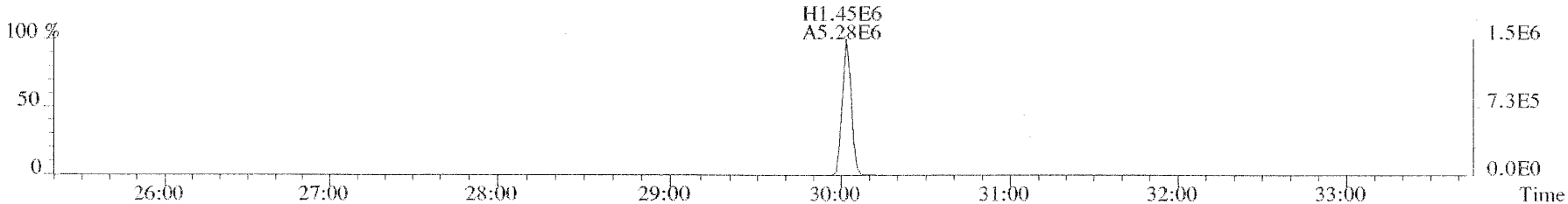
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



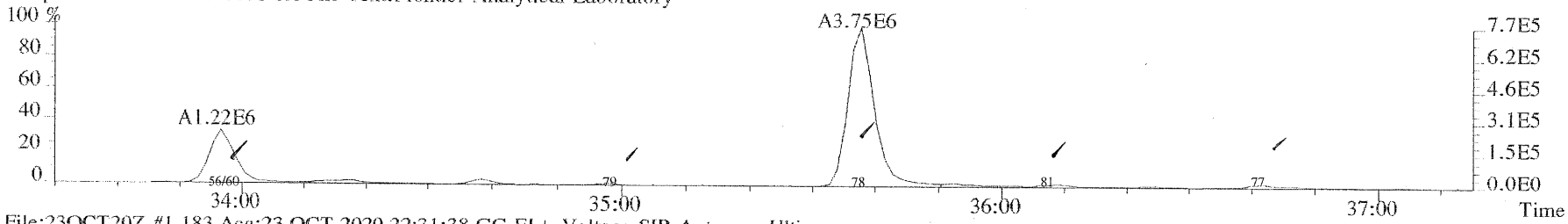
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



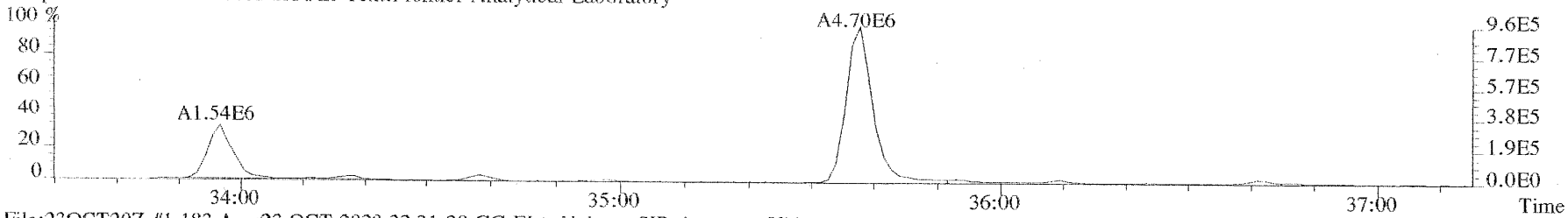
File:23OCT20Z #1-397 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



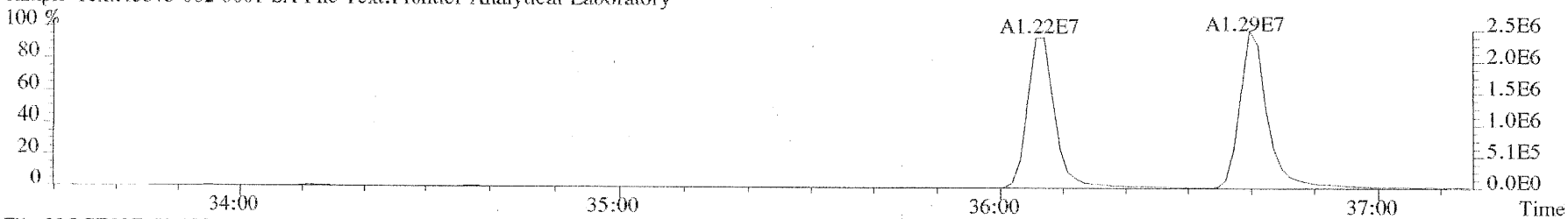
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



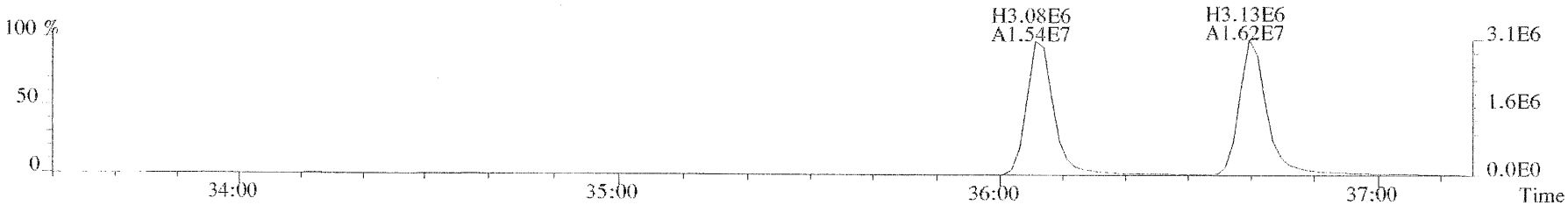
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



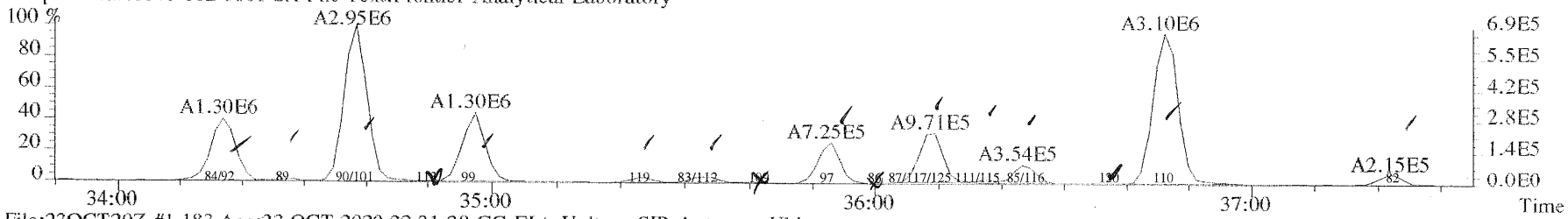
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



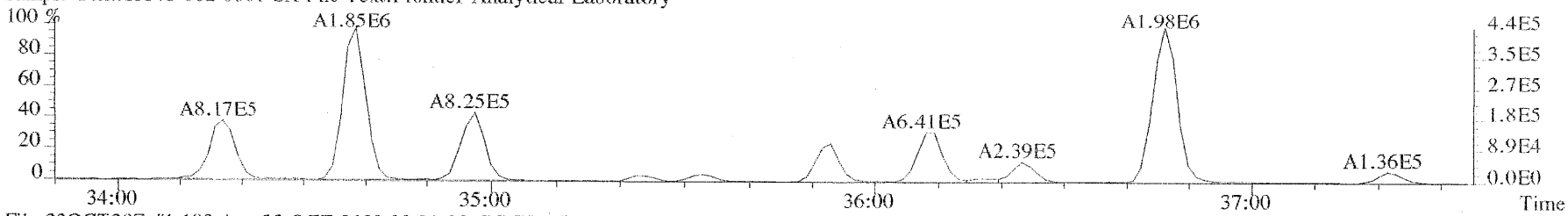
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



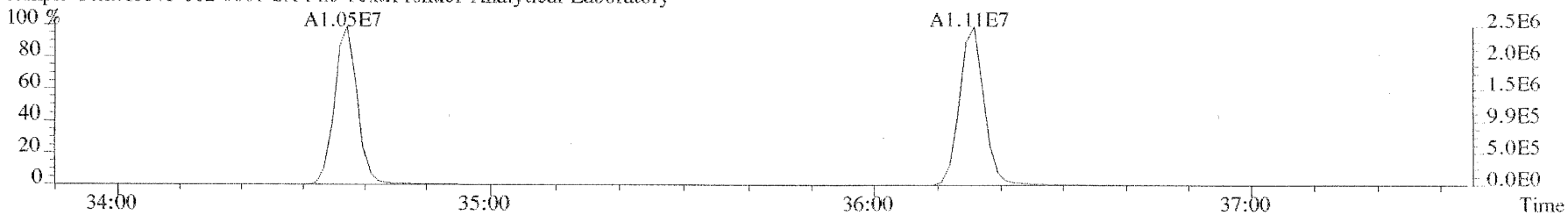
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



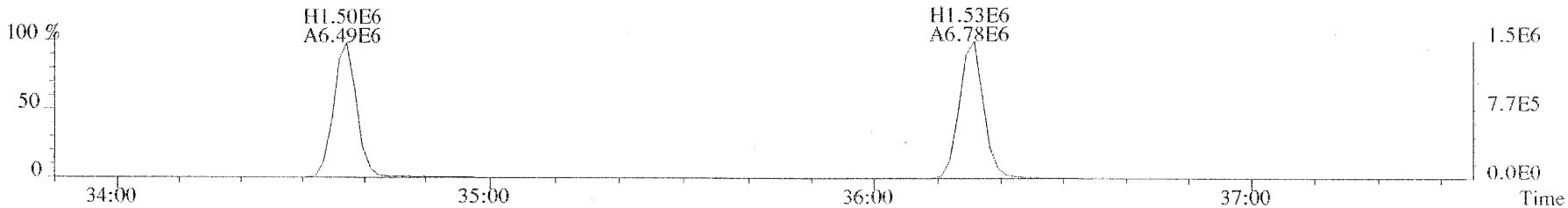
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



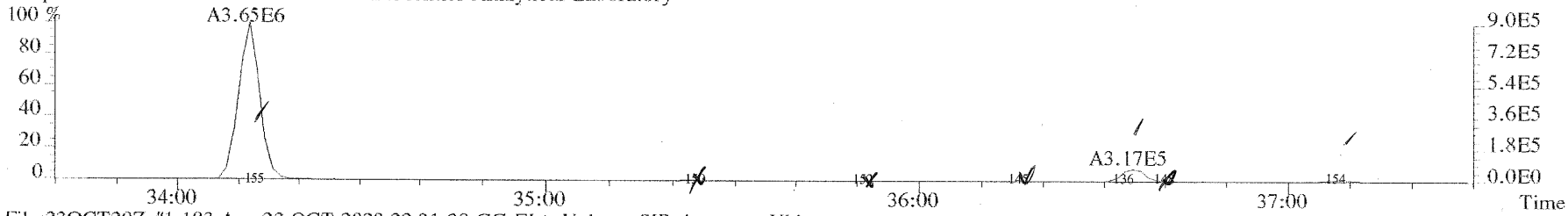
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



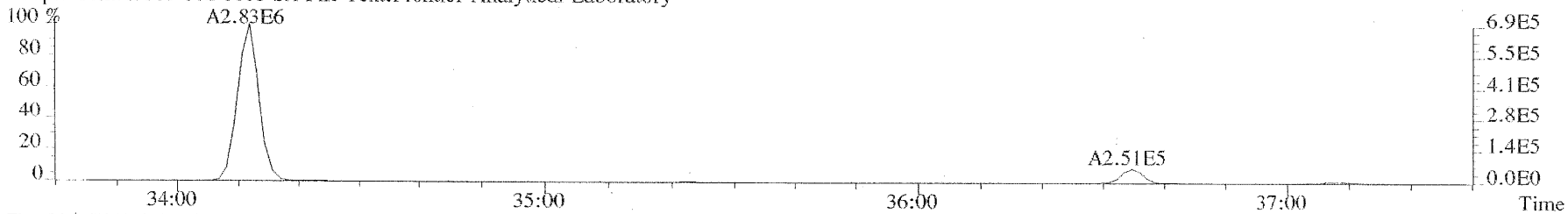
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



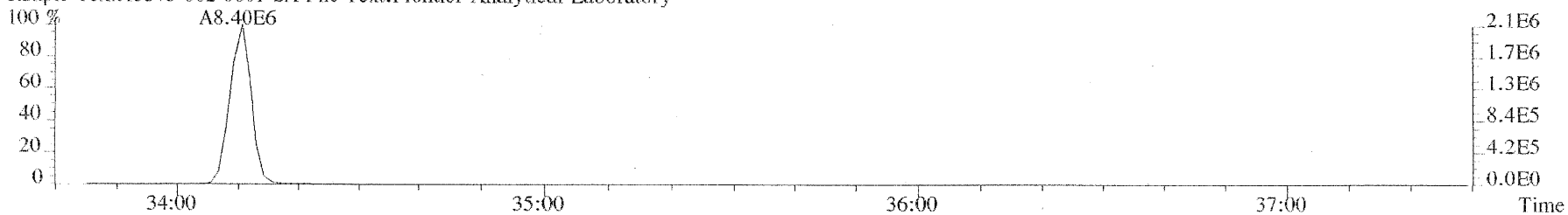
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



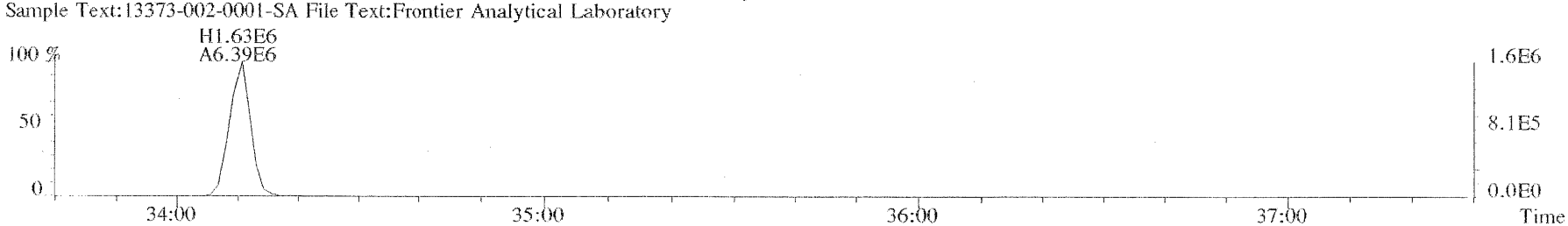
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



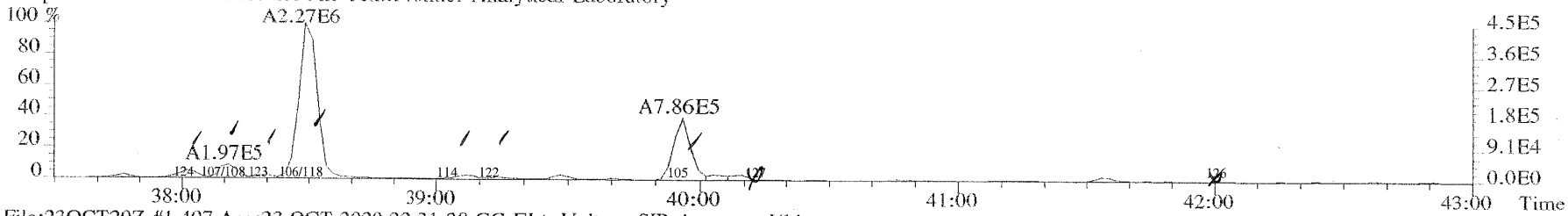
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



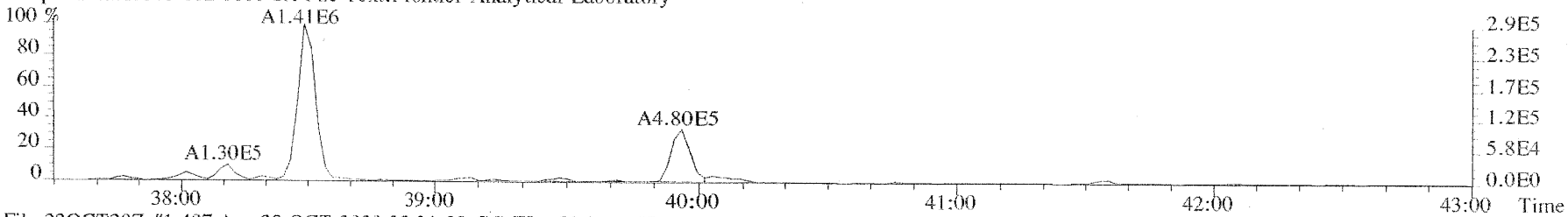
File:23OCT20Z #1-183 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



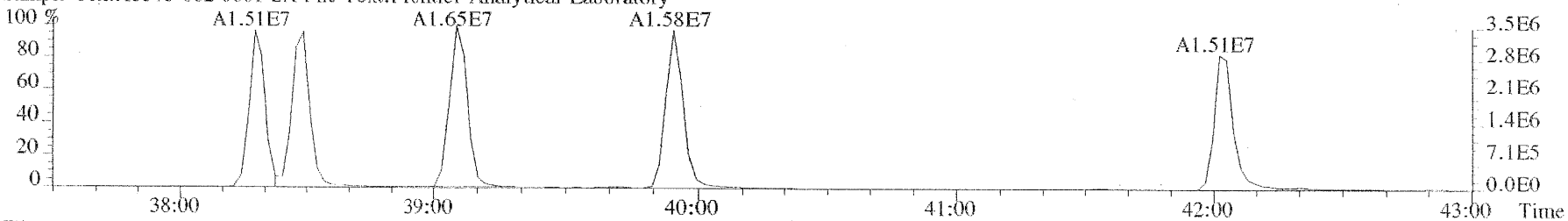
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



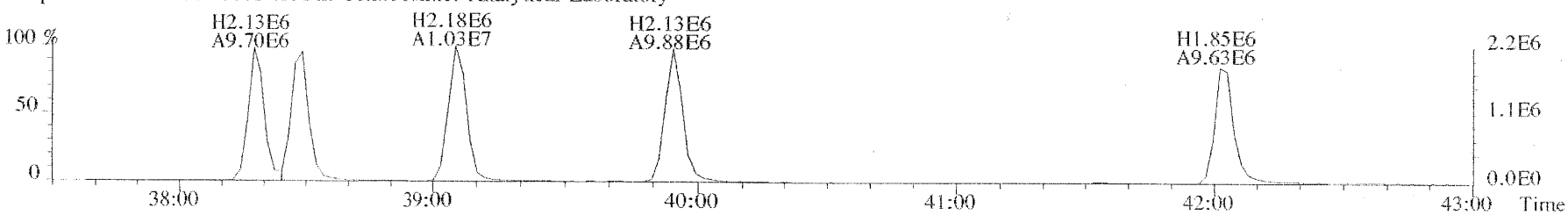
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



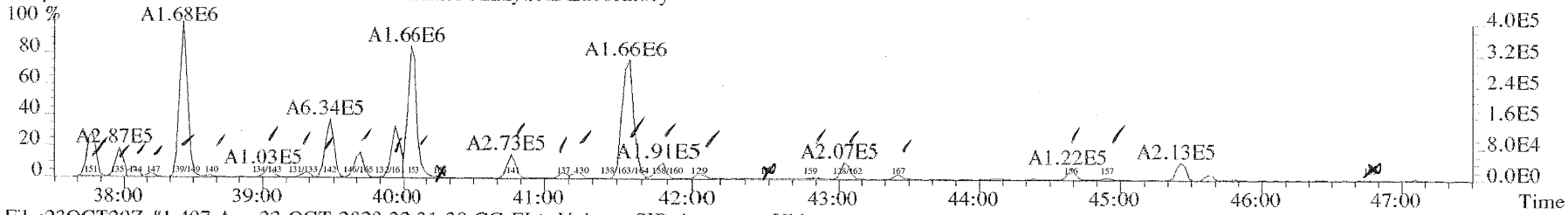
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



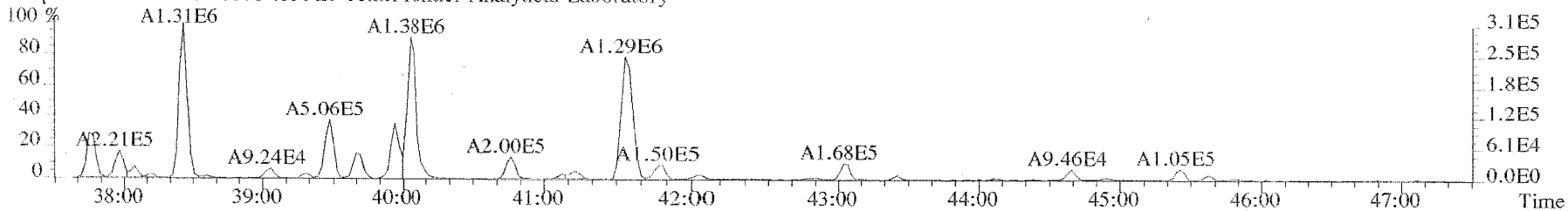
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



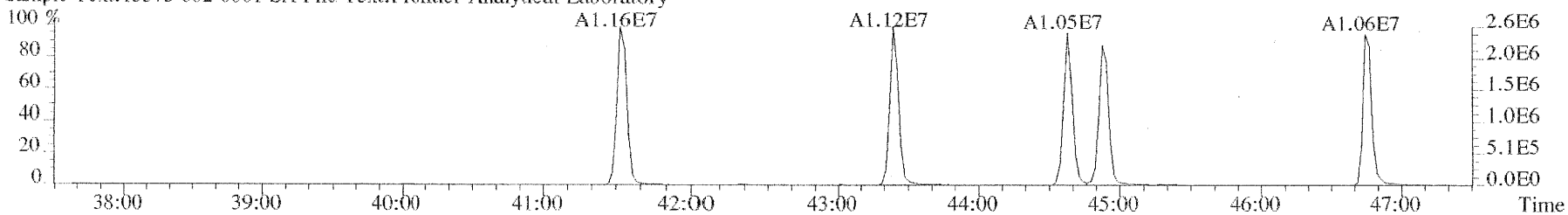
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



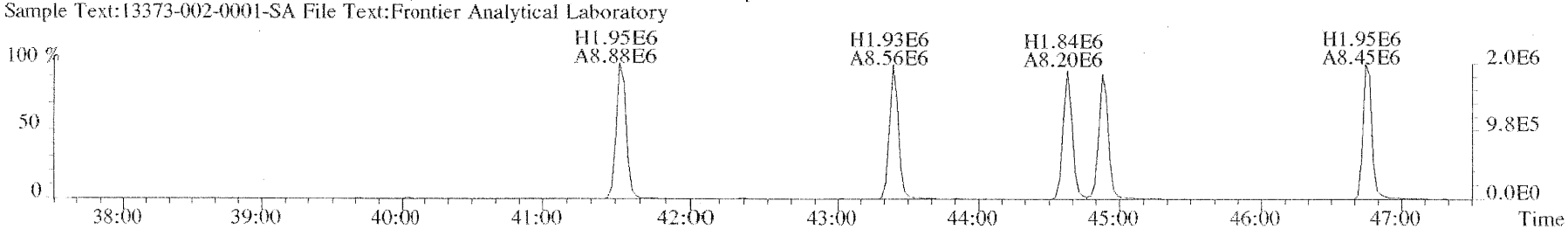
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



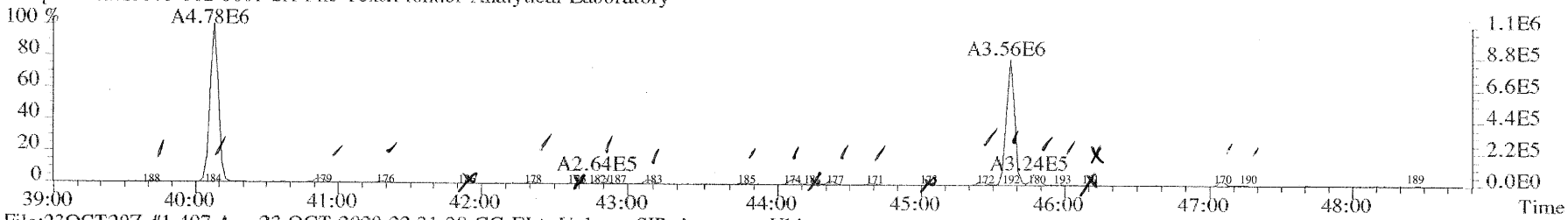
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



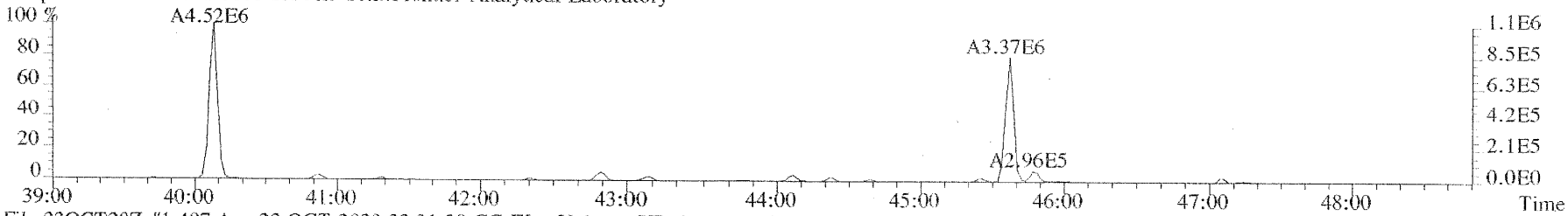
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



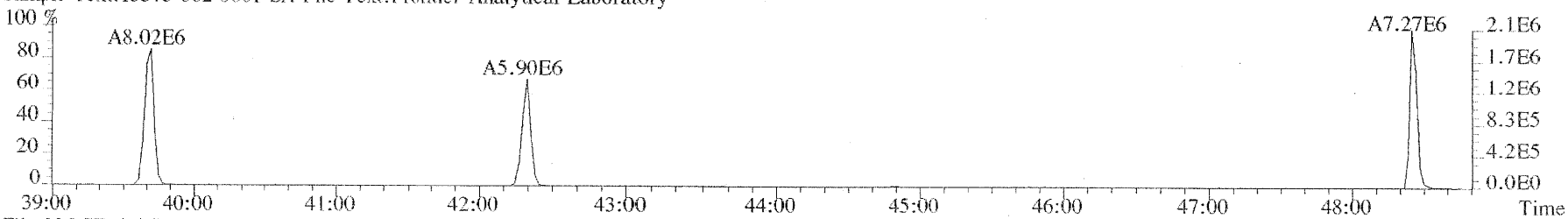
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



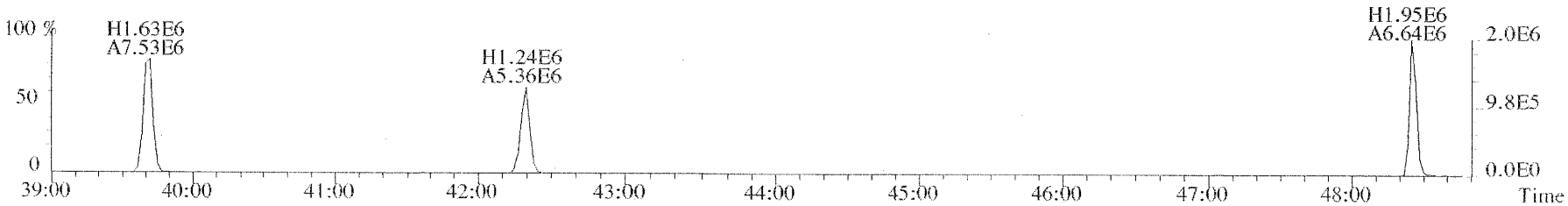
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



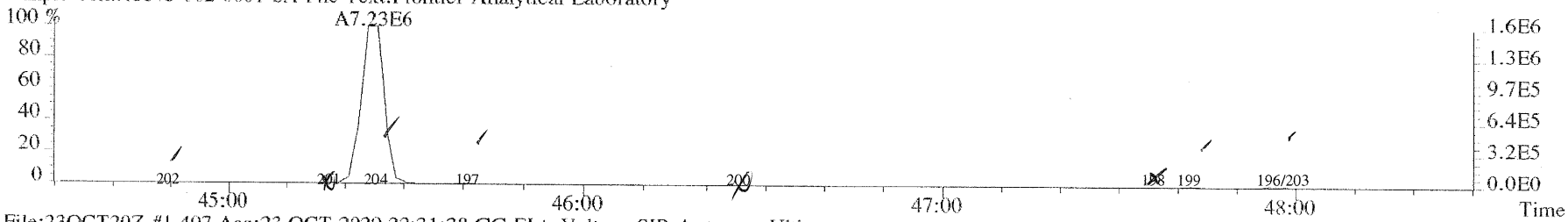
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



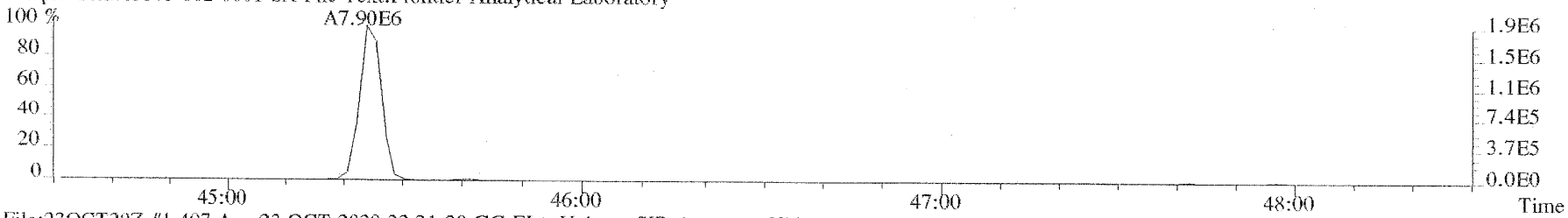
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



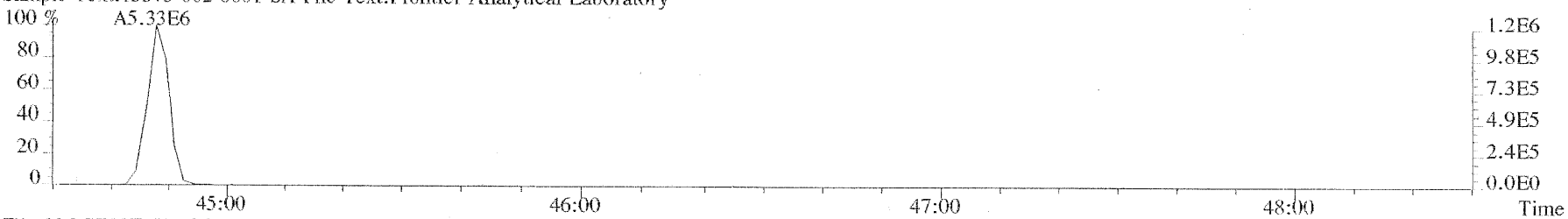
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



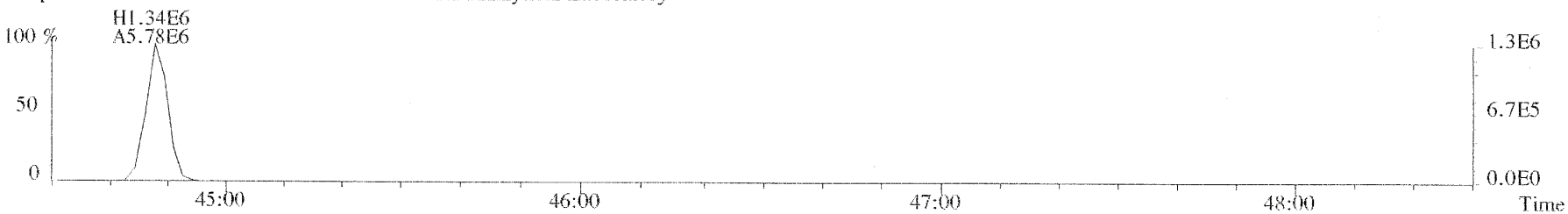
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



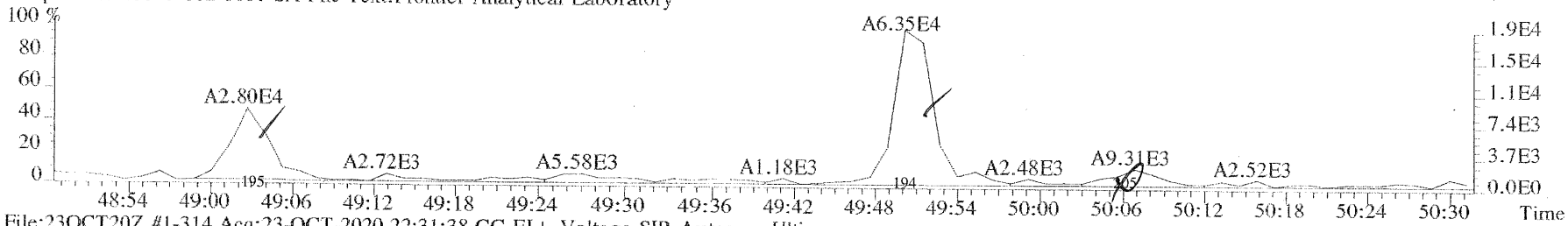
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



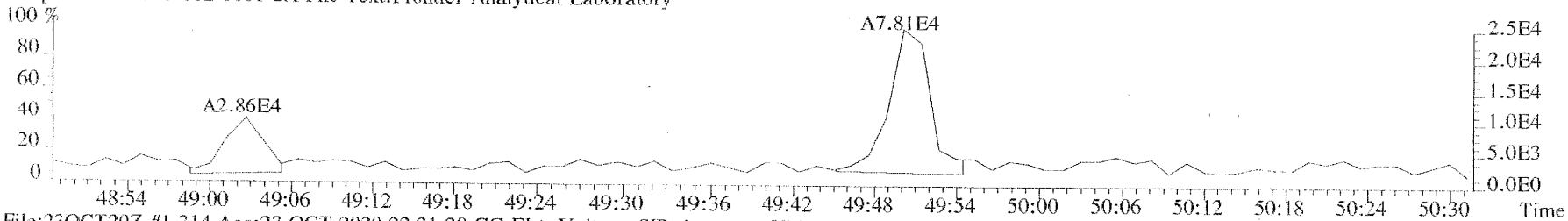
File:23OCT20Z #1-407 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



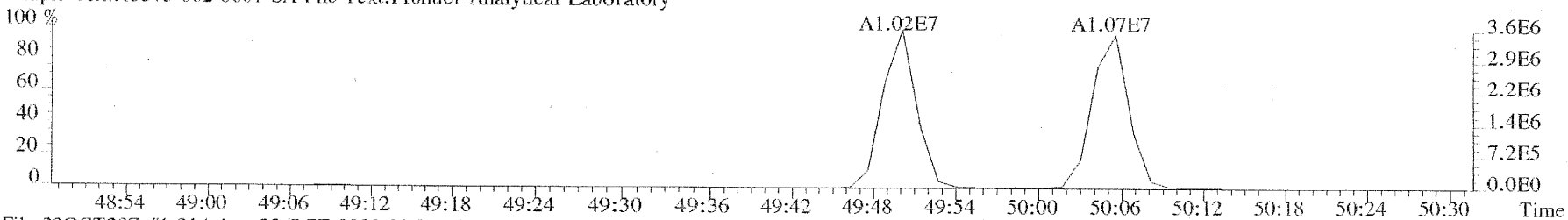
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



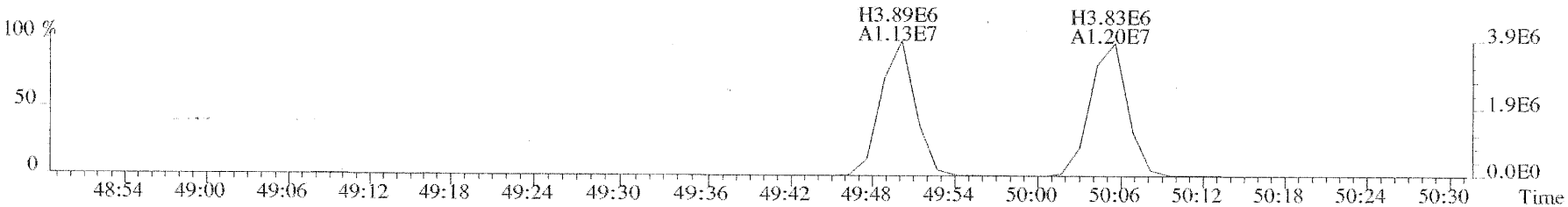
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



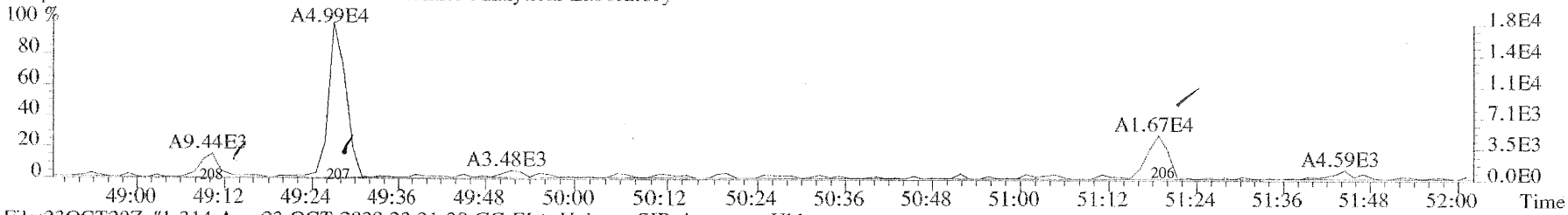
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



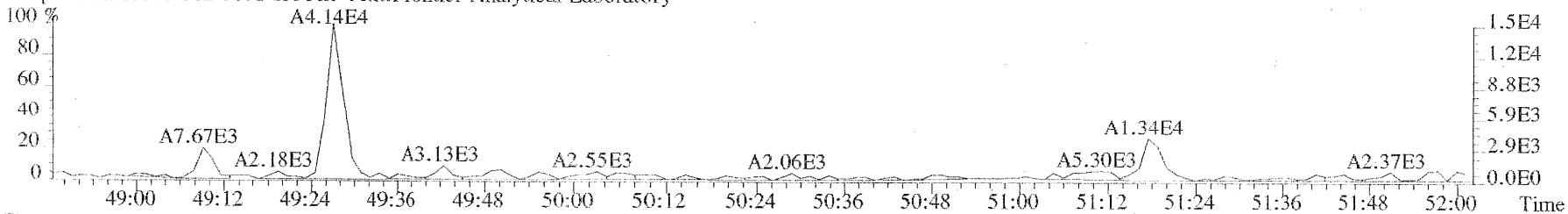
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



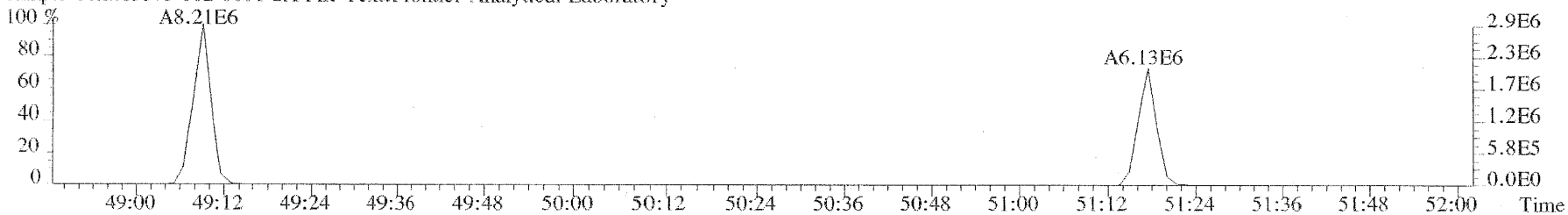
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



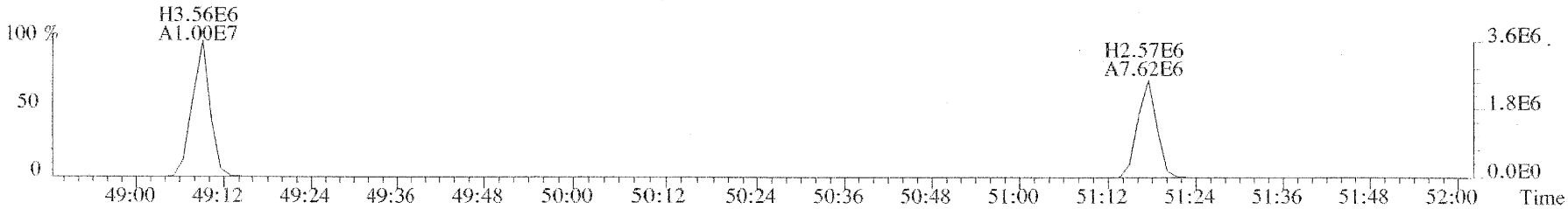
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



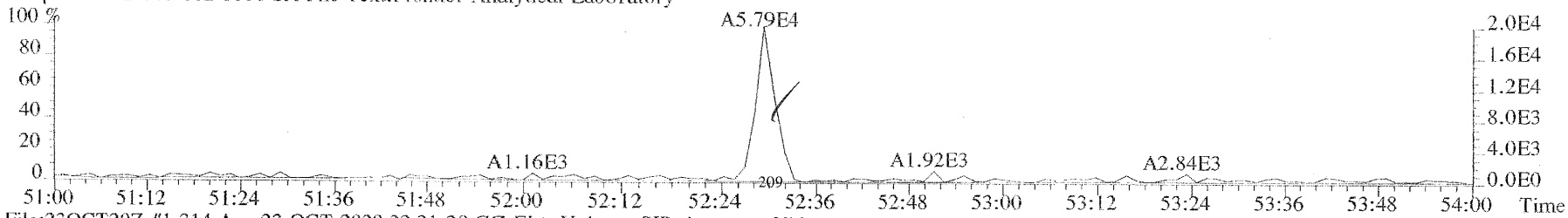
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



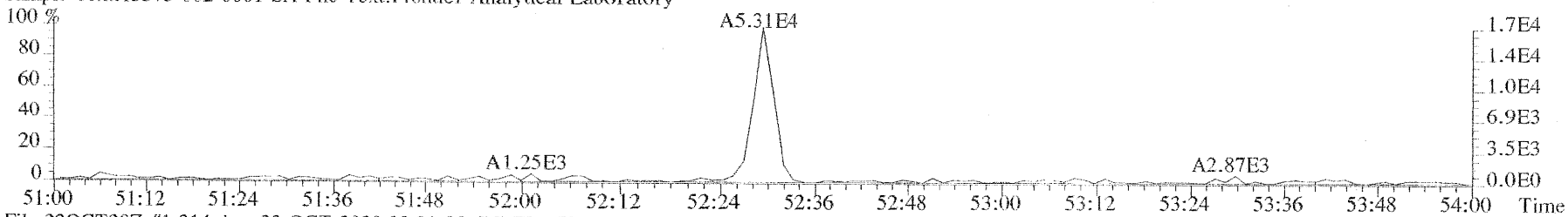
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



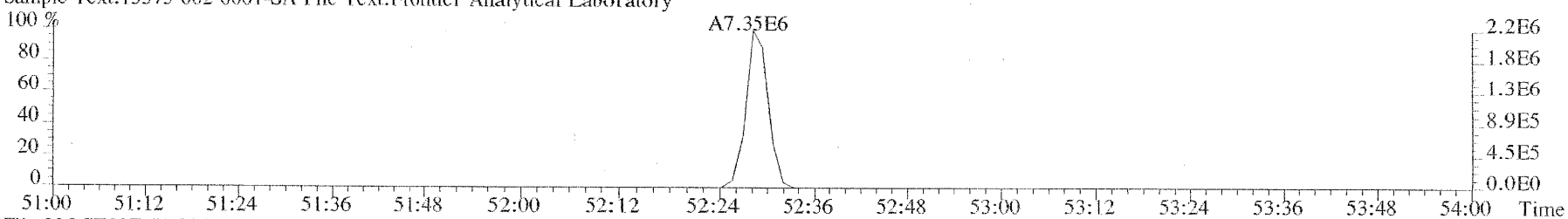
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



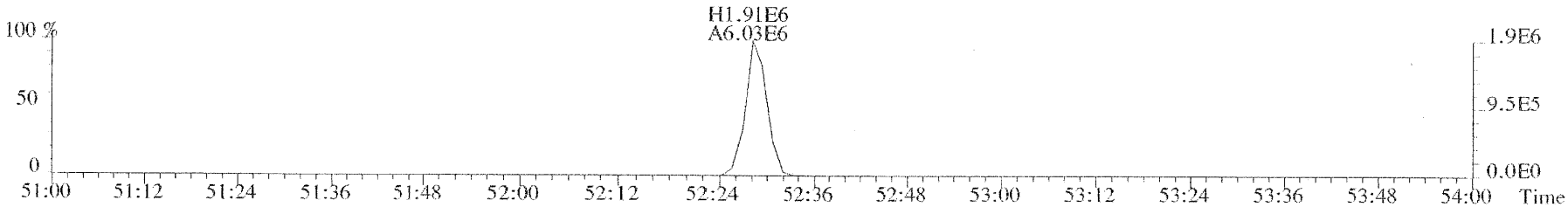
File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-002-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 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:13373-002-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 22:31:38 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:13373-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-004-0001-SA Filename: 26OCT20Z Sam:7 Acquired: 26-OCT-20 15:50:13 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CA-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	5.04e+04	2.72 y	14:35	1.30	11.0	J	-	-	*			
13C-PCB-1	3.55e+07	3.25 y	14:34	0.83	9890					98.9	9.79e+06	3.05e+06
PCB-2	*	* n	NotFnd	1.33	*		1390	1040	3.82			
PCB-3	*	* n	NotFnd	1.34	*		1390	1040	4.07			
13C-PCB-3	3.51e+07	3.24 y	16:59	0.80	10100					101	8.66e+06	2.57e+06
PCB-4	7.20e+05	1.53 y	18:15	1.01	243		-	-	*			
PCB-10	8.84e+04	1.44 y	18:18	1.43	16.0	J	-	-	*			
13C-PCB-4	2.93e+07	1.59 y	18:14	0.64	10600					106	5.44e+06	3.50e+06
PCB-9	1.57e+05	1.53 y	19:57	1.34	30.5		-	-	*			
PCB-7	9.13e+04	1.46 y	19:59	1.40	16.9	J	-	-	*			
PCB-6	8.16e+05	1.39 y	20:33	1.35	157		-	-	*			
PCB-8	2.14e+06	1.43 y	20:56	1.33	418		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		723	4550	9.08			
PCB-14	3.12e+06	1.37 y	21:59	1.37	591		-	-	*			
PCB-11	2.25e+05	1.38 y	23:05	1.34	43.7		-	-	*			
PCB-13	6.73e+04	1.43 y	23:27	1.39	12.6	J	-	-	*			
PCB-12	7.27e+04	1.52 y	23:28	1.30	14.5	J	-	-	*			
PCB-15	4.49e+05	1.41 y	23:46	1.24	75.6		-	-	*			
13C-PCB-15	4.79e+07	1.60 y	23:45	1.02	10800					108	7.40e+06	4.71e+06
PCB-19	4.14e+05	1.11 y	22:07	1.31	190		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2200	496	7.90			
PCB-18	3.84e+06	1.10 y	23:41	1.36	1700		-	-	*			
PCB-17	1.89e+06	1.05 y	23:51	1.48	766		-	-	*			
PCB-27	2.07e+05	1.11 y	24:21	1.93	64.6		-	-	*			
PCB-24	2.07e+05	1.11 y	24:21	1.97	63.1		-	-	*			
PCB-16	1.25e+06	1.07 y	24:52	1.66	455		-	-	*			
PCB-32	1.25e+06	1.07 y	24:52	1.65	459		-	-	*			
13C-PCB-19	1.66e+07	1.15 y	22:06	0.40	9600					96.0	2.27e+06	1.99e+06
13C-PCB-9	4.33e+07	1.63 y	19:54	-	80.0							
PCB-34	7.57e+04	1.08 y	25:38	1.16	18.7	J	-	-	*			
PCB-23	*	* n	NotFnd	1.15	*		1510	1500	8.28			
PCB-29	5.52e+04	1.12 y	25:57	1.19	13.2	J	-	-	*			
PCB-26	1.77e+06	1.08 y	26:09	1.17	434		-	-	*			
PCB-25	8.96e+05	1.11 y	26:18	1.14	224		-	-	*			
PCB-31	5.61e+06	1.10 y	26:38	1.18	1360		-	-	*			
PCB-28	5.43e+06	1.09 y	26:45	1.34	1160		-	-	*			
PCB-20	3.04e+06	1.10 y	27:20	1.12	776		-	-	*		Co-elute PCB 21/33	
PCB-21	3.04e+06	1.10 y	27:20	1.12	776		-	-	*		Co-elute PCB 20/33	
PCB-33	3.04e+06	1.10 y	27:20	1.12	776		-	-	*		Co-elute PCB 20/21	
PCB-22	1.77e+06	1.16 y	27:45	1.22	417		-	-	*			
PCB-36	2.79e+06	1.08 y	28:19	1.17	681		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1510	1500	7.78			
PCB-38	8.56e+04	1.17 y	29:31	1.28	19.1	J	-	-	*			
PCB-35	5.93e+04	1.03 y	30:00	1.22	13.9	J	-	-	*			
PCB-37	8.10e+05	1.13 y	30:24	1.20	192		-	-	*			
13C-PCB-37	3.50e+07	1.12 y	30:23	1.83	9950					99.5	4.05e+06	3.87e+06

PCB-54	3.48e+04	0.85	y	25:40	1.30	11.1	J	-	-	*			
PCB-50	4.36e+04	0.73	y	26:46	1.04	17.4	J	-	-	*			
PCB-53	9.84e+05	0.80	y	27:22	1.02	401		-	-	*			
PCB-51	3.48e+05	0.71	y	27:43	1.08	134		-	-	*			
PCB-45	7.77e+05	0.77	y	28:07	0.91	355		-	-	*			
PCB-46	3.14e+05	0.72	y	28:35	0.89	146		-	-	*			
PCB-52	7.80e+06	0.79	y	29:01	1.15	2800		-	-	*	Co-elute PCB 69		
PCB-69	7.80e+06	0.79	y	29:01	1.15	2800		-	-	*	Co-elute PCB 52		
PCB-73	1.36e+05	0.74	y	29:07	1.28	44.0		-	-	*			
PCB-43	5.18e+06	0.79	y	29:18	1.00	2140		-	-	*	Co-elute PCB 49		
PCB-49	5.18e+06	0.79	y	29:18	1.00	2140		-	-	*	Co-elute PCB 43		
PCB-47	1.68e+06	0.83	y	29:30	1.03	676		-	-	*			
PCB-48	1.30e+06	0.87	y	29:36	1.34	402		-	-	*	Co-elute PCB 75		
PCB-75	1.30e+06	0.87	y	29:36	1.34	402		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		980	1030	5.72			
PCB-62	*	*	n	NotFnd	1.35	*		980	1030	5.78			
PCB-44	3.86e+06	0.79	y	30:14	0.90	1770		-	-	*			
PCB-42	1.74e+06	0.75	y	30:28	1.12	640		-	-	*	Co-elute PCB 59		
PCB-59	1.74e+06	0.75	y	30:28	1.12	640		-	-	*	Co-elute PCB 42		
PCB-72	4.42e+06	0.80	y	31:01	1.26	1460		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.42e+06	0.80	y	31:01	1.26	1460		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.42e+06	0.80	y	31:01	1.26	1460		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.42e+06	0.80	y	31:01	1.26	1460		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.01e+05	0.84	y	31:16	1.47	28.5		-	-	*			
PCB-40	5.70e+05	0.78	y	31:28	0.80	296		-	-	*			
PCB-57	5.17e+04	0.67	y	31:49	1.38	15.5	J	-	-	*			
PCB-67	1.70e+05	0.77	y	32:06	1.39	50.5		-	-	*			
PCB-58	3.06e+04	0.72	y	32:12	1.37	9.24	J	-	-	*			
PCB-63	2.01e+05	0.78	y	32:21	1.41	58.7		-	-	*			
PCB-74	2.12e+06	0.79	y	32:37	1.38	634		-	-	*			
PCB-61	4.89e+06	0.78	y	32:50	1.26	1600		-	-	*	Co-elute PCB 70		
PCB-70	4.89e+06	0.78	y	32:50	1.26	1600		-	-	*	Co-elute PCB 61		
PCB-76	4.17e+06	0.79	y	33:01	1.41	1220		-	-	*	Co-elute PCB 66		
PCB-66	4.17e+06	0.79	y	33:01	1.41	1220		-	-	*	Co-elute PCB 76		
PCB-80	8.21e+04	0.81	y	33:13	1.56	21.7		-	-	*			
PCB-55	2.12e+05	0.71	y	33:33	1.33	66.2		-	-	*			
13C-PCB-54	2.42e+07	0.80	y	25:39	1.12	11200					112	2.84e+06	3.61e+06
PCB-104	3.38e+06	1.60	y	30:07	1.20	1950		-	-	*			
PCB-96	5.37e+04	1.44	y	31:18	1.15	32.3		-	-	*			
PCB-103	9.76e+04	1.48	y	31:48	0.99	68.3		-	-	*			
PCB-100	4.23e+04	1.54	y	32:08	0.97	30.1		-	-	*			
PCB-94	2.28e+04	1.36	y	32:35	0.82	19.3	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.81	*		324	416	6.49	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		324	416	6.49	Co-elute PCB 98		
PCB-95	3.61e+06	1.58	y	33:06	0.88	2830		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		324	416	6.14			
PCB-88	*	*	n	NotFnd	0.86	*		324	416	6.08	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		324	416	6.08	Co-elute PCB 88		
PCB-121	5.57e+06	1.54	y	33:33	1.17	3290		-	-	*			
13C-PCB-104	1.44e+07	1.61	y	30:06	0.79	9460					94.6	2.19e+06	1.33e+06
13C-PCB-28	3.78e+07	1.06	y	26:43	2.03	9660					96.6	4.89e+06	4.55e+06
13C-PCB-52	1.93e+07	0.83	y	29:00	-	74.8							

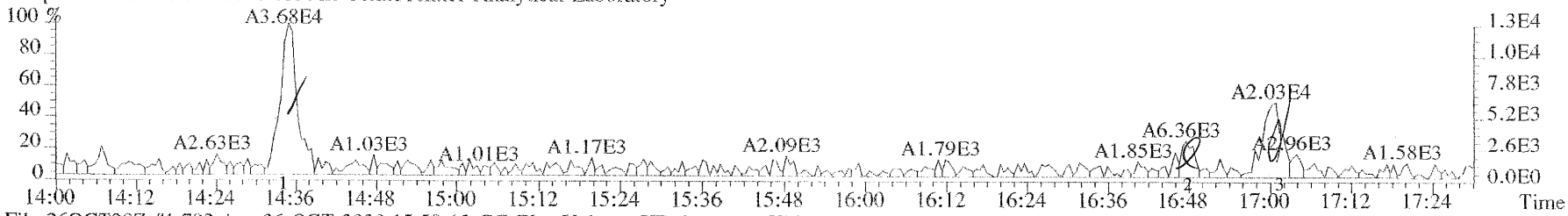
PCB-56	2.88e+06	0.79	y	34:00	1.15	730	-	-	*	Co-elute PCB 60	
PCB-60	2.88e+06	0.79	y	34:00	1.15	730	-	-	*	Co-elute PCB 56	
PCB-79	1.57e+05	0.79	y	35:01	1.25	36.7	-	-	*		
PCB-78	7.46e+06	0.84	y	35:40	1.20	1810	-	-	*		
PCB-81	2.24e+05	0.70	y	36:12	1.29	51.3	-	-	*		
13C-PCB-81	3.38e+07	0.80	y	36:09	1.82	11500				115	3.44e+06 4.26e+06
PCB-77	2.94e+05	0.76	y	36:45	1.13	74.7	-	-	*		
13C-PCB-77	3.48e+07	0.80	y	36:43	1.87	11500				115	3.42e+06 4.26e+06
PCB-155	5.87e+06	1.29	y	34:16	1.12	3590	-	-	*		
PCB-150	*	*	n	NotFnd	1.10	*	656	564	7.81		
PCB-152	*	*	n	NotFnd	1.06	*	656	564	8.12		
PCB-145	*	*	n	NotFnd	1.07	*	656	564	8.04		
PCB-136	6.78e+05	1.38	y	36:38	1.08	428	-	-	*		
PCB-148	*	*	n	NotFnd	0.76	*	656	564	11.3		
PCB-154	9.53e+04	1.18	y	37:11	0.93	70.1	-	-	*		
13C-PCB-155	1.46e+07	1.34	y	34:14	1.04	8740				87.4	2.03e+06 1.51e+06
13C-PCB-111	2.08e+07	1.61	y	36:18	1.29	10000				100	2.96e+06 1.86e+06
13C-PCB-101	1.62e+07	1.63	y	34:41	-	75.6					
PCB-84	2.63e+06	1.62	y	34:21	0.66	1350	-	-	*	Co-elute PCB 92	
PCB-92	2.63e+06	1.62	y	34:21	0.66	1350	-	-	*	Co-elute PCB 84	
PCB-89	5.86e+04	1.49	y	34:32	0.67	29.5	-	-	*		
PCB-90	5.90e+06	1.58	y	34:42	0.75	2680	-	-	*	Co-elute PCB 101	
PCB-101	5.90e+06	1.58	y	34:42	0.75	2680	-	-	*	Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.87	*	789	810	6.98		
PCB-99	2.83e+06	1.57	y	35:01	0.83	1160	-	-	*		
PCB-119	3.10e+05	1.58	y	35:36	0.99	107	-	-	*		
PCB-83	3.10e+05	1.58	y	35:36	0.78	134	-	-	*	Co-elute PCB 112	
PCB-112	3.10e+05	1.58	y	35:36	0.78	134	-	-	*	Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.93	*	789	810	6.55		
PCB-97	1.49e+06	1.54	y	35:55	0.64	794	-	-	*		
PCB-86	*	*	n	NotFnd	0.56	*	789	810	10.8		
PCB-125	1.87e+06	1.66	y	36:12	0.89	711	-	-	*	Co-elute PCB 87/117	
PCB-87	1.87e+06	1.66	y	36:12	0.89	711	-	-	*	Co-elute PCB 125/117	
PCB-117	1.87e+06	1.66	y	36:12	0.89	711	-	-	*	Co-elute PCB 125/87	
PCB-111	9.56e+04	1.42	y	36:21	0.95	34.1	-	-	*	Co-elute PCB 115	
PCB-115	9.56e+04	1.42	y	36:21	0.95	34.1	-	-	*	Co-elute PCB 111	
PCB-85	7.32e+05	1.60	y	36:27	0.84	295	-	-	*	Co-elute PCB 116	
PCB-116	7.32e+05	1.60	y	36:27	0.84	295	-	-	*	Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.01	*	789	810	6.04		
PCB-110	6.27e+06	1.60	y	36:50	0.94	2270	-	-	*		
PCB-82	4.12e+05	1.54	y	37:25	0.57	247	-	-	*		
PCB-124	2.53e+05	1.43	y	38:04	1.21	70.9	-	-	*		
PCB-108	8.69e+04	1.55	y	38:22	1.16	25.4	-	-	*	Co-elute PCB 107	
PCB-107	8.69e+04	1.55	y	38:22	1.16	25.4	-	-	*	Co-elute PCB 108	
PCB-123	8.69e+04	1.55	y	38:22	1.11	28.5	-	-	*		
13C-PCB-123	2.75e+07	1.61	y	38:21	1.40	10700				107	3.93e+06 2.47e+06
PCB-118	4.94e+06	1.58	y	38:32	1.14	1360	-	-	*	Co-elute PCB 106	
PCB-106	4.94e+06	1.58	y	38:32	1.14	1360	-	-	*	Co-elute PCB 118	
13C-PCB-118	3.18e+07	1.61	y	38:32	1.51	11500				115	4.10e+06 2.49e+06
PCB-114	1.34e+05	1.64	y	39:10	1.24	34.9	-	-	*		
13C-PCB-114	3.08e+07	1.61	y	39:08	1.49	11300				113	4.36e+06 2.74e+06
PCB-122	6.82e+04	1.63	y	39:18	1.16	20.0	-	-	*		
PCB-105	1.54e+06	1.68	y	40:00	1.22	455	-	-	*		
13C-PCB-105	2.78e+07	1.62	y	39:58	1.49	10100				101	3.92e+06 2.34e+06

PCB-127	*	*	n	NotFnd	1.17	*	1160	1060	7.21				
PCB-126	*	*	n	NotFnd	1.19	*	1160	1060	7.23				
13C-PCB-126	2.82e+07	1.61	y	42:05	1.42	10800				108	3.96e+06	2.45e+06	
PCB-151	1.20e+06	1.21	y	37:49	0.93	583	-	-	*				
PCB-135	6.78e+05	1.27	y	38:01	0.95	321	-	-	*				
PCB-144	2.65e+05	1.20	y	38:08	0.93	129	-	-	*				
PCB-147	1.13e+05	1.07	y	38:14	0.96	52.8	-	-	*				
PCB-139	4.21e+06	1.22	y	38:29	0.98	1930	-	-	*		Co-elute PCB 149		
PCB-149	4.21e+06	1.22	y	38:29	0.98	1930	-	-	*		Co-elute PCB 139		
PCB-140	7.22e+04	1.11	y	38:41	0.97	33.4	-	-	*				
PCB-143	2.53e+05	1.25	y	39:05	0.81	141	-	-	*		Co-elute PCB 134		
PCB-134	2.53e+05	1.25	y	39:05	0.81	141	-	-	*		Co-elute PCB 143		
PCB-131	1.42e+05	1.23	y	39:22	0.83	77.3	-	-	*		Co-elute PCB 133		
PCB-133	1.42e+05	1.23	y	39:22	0.83	77.3	-	-	*		Co-elute PCB 131		
PCB-142	1.08e+06	1.32	y	39:32	0.83	584	-	-	*				
PCB-165	8.11e+05	1.23	y	39:43	1.12	326	-	-	*		Co-elute PCB 146		
PCB-146	8.11e+05	1.23	y	39:43	1.12	326	-	-	*		Co-elute PCB 165		
PCB-161	1.58e+06	1.24	y	40:00	1.04	680	-	-	*		Co-elute PCB 132		
PCB-132	1.58e+06	1.24	y	40:00	1.04	680	-	-	*		Co-elute PCB 161		
PCB-153	4.43e+06	1.20	y	40:06	1.08	1850	-	-	*				
PCB-168	*	*	n	NotFnd	1.19	*	810	920	6.98				
PCB-141	7.19e+05	1.21	y	40:49	0.94	342	-	-	*				
PCB-137	1.90e+05	1.18	y	41:10	0.98	87.1	-	-	*				
PCB-130	2.40e+05	1.33	y	41:17	0.76	142	-	-	*				
PCB-138	4.41e+06	1.21	y	41:37	1.11	1780	-	-	*		Co-elute PCB 163/164		
PCB-163	4.41e+06	1.21	y	41:37	1.11	1780	-	-	*		Co-elute PCB 138/164		
PCB-164	4.41e+06	1.21	y	41:37	1.11	1780	-	-	*		Co-elute PCB 138/163		
PCB-158	5.19e+05	1.31	y	41:50	1.25	186	-	-	*		Co-elute PCB 160		
PCB-160	5.19e+05	1.31	y	41:50	1.25	186	-	-	*		Co-elute PCB 158		
PCB-129	1.49e+05	1.28	y	42:05	0.78	85.2	-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*	810	920	6.81				
PCB-159	8.68e+04	1.06	y	42:52	1.31	29.7	-	-	*				
PCB-128	5.86e+05	1.28	y	43:06	1.04	253	-	-	*		Co-elute PCB 162		
PCB-162	5.86e+05	1.28	y	43:06	1.04	253	-	-	*		Co-elute PCB 128		
PCB-167	1.67e+05	1.08	y	43:27	1.20	60.5	-	-	*				
13C-PCB-167	2.30e+07	1.29	y	43:27	1.18	10600				106	2.97e+06	2.29e+06	
PCB-156	3.78e+05	1.24	y	44:41	1.29	133	-	-	*				
13C-PCB-156	2.20e+07	1.29	y	44:39	1.15	10400				104	2.78e+06	2.19e+06	
PCB-157	8.33e+04	1.08	y	44:57	1.21	30.0	-	-	*				
13C-PCB-157	2.29e+07	1.28	y	44:56	1.17	10600				106	2.91e+06	2.26e+06	
PCB-169	*	*	n	NotFnd	1.17	*	810	920	6.80				
13C-PCB-169	2.12e+07	1.30	y	46:46	1.18	9780				97.8	3.04e+06	2.40e+06	

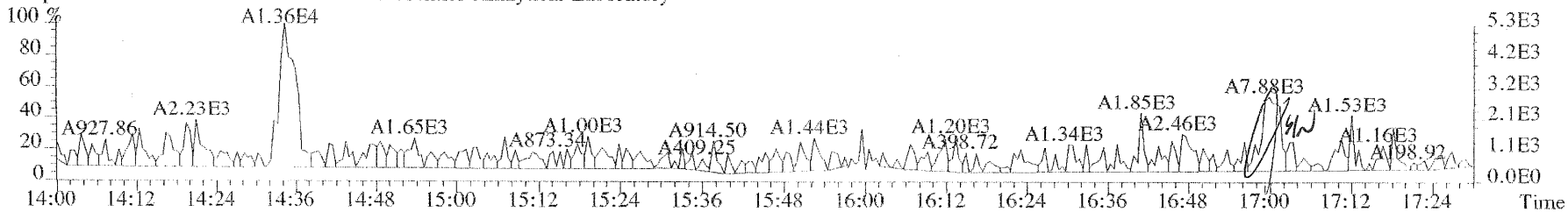
PCB-188	4.70e+04	0.94	y	39:45	1.16	24.3		-	-	*			
13C-PCB-188	1.67e+07	1.06	y	39:43	0.93	9820					98.2	1.91e+06	1.82e+06
PCB-184	8.20e+06	1.08	y	40:11	1.25	4230		-	-	*			
PCB-179	4.76e+05	1.08	y	40:55	1.20	254		-	-	*			
PCB-176	1.53e+05	1.13	y	41:22	1.15	85.2		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		600	644	6.32			
PCB-178	1.50e+05	1.12	y	42:23	0.85	113		-	-	*			
PCB-175	3.60e+04	1.16	y	42:42	0.90	25.8		-	-	*			
PCB-187	9.57e+05	1.10	y	42:52	0.95	646		-	-	*		Co-elute PCB 182	
PCB-182	9.57e+05	1.10	y	42:52	0.95	646		-	-	*		Co-elute PCB 187	
PCB-183	4.35e+05	1.10	y	43:10	0.94	296		-	-	*			
PCB-185	8.82e+04	1.06	y	43:48	0.88	64.3		-	-	*			
PCB-174	6.32e+05	1.06	y	44:08	0.87	468		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		600	644	8.37			
PCB-177	3.88e+05	1.04	y	44:25	0.82	304		-	-	*			
PCB-171	1.69e+05	1.07	y	44:41	0.87	125		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		600	644	9.30			
PCB-172	2.43e+05	1.17	y	45:27	0.83	187		-	-	*			
PCB-192	6.01e+06	1.06	y	45:39	1.09	3540		-	-	*			
PCB-180	1.24e+06	1.04	y	45:50	0.85	940		-	-	*			
PCB-193	1.04e+05	1.16	y	46:00	1.17	57.0		-	-	*			
PCB-191	3.61e+04	1.18	y	46:12	1.14	20.4		-	-	*			
PCB-170	4.50e+05	1.01	y	47:07	0.85	340		-	-	*			
PCB-190	1.18e+05	0.93	y	47:16	1.13	67.0		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		600	644	5.60			
13C-PCB-189	1.45e+07	1.12	y	48:26	0.88	8890					88.9	2.52e+06	2.27e+06
PCB-202	5.51e+04	1.00	y	44:53	1.08	48.8		-	-	*			
PCB-201	3.19e+04	0.77	y	45:19	1.18	25.8		-	-	*			
PCB-204	1.15e+07	0.93	y	45:27	1.18	9340		-	-	*			
PCB-197	6.40e+04	0.82	y	45:44	1.23	49.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		406	404	6.55			
PCB-198	*	*	n	NotFnd	0.88	*		406	404	9.05			
PCB-199	1.67e+05	0.92	y	47:44	0.90	177		-	-	*			
PCB-203	1.96e+05	0.90	y	47:58	0.96	194		-	-	*		Co-elute PCB 196	
PCB-196	1.96e+05	0.90	y	47:58	0.96	194		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.05e+07	0.93	y	44:51	0.68	8370					83.7	1.24e+06	1.32e+06
13C-PCB-178	1.17e+07	1.10	y	42:21	0.71	9010					90.1	1.33e+06	1.23e+06
13C-PCB-138	1.84e+07	1.28	y	41:35	-	79.2							
PCB-195	1.47e+05	0.89	y	49:04	0.85	72.3		-	-	*			
PCB-194	3.30e+05	0.85	y	49:51	0.96	143		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1240	1680	7.94			
13C-PCB-205	2.40e+07	0.90	y	50:06	1.22	12100					121	3.75e+06	4.29e+06
PCB-208	3.65e+04	1.26	y	49:12	1.12	16.0	J	-	-	*			
13C-PCB-208	2.05e+07	0.80	y	49:10	1.00	12500					125	3.22e+06	3.90e+06
PCB-207	1.07e+05	1.25	y	49:28	1.24	48.2		-	-	*			
PCB-206	1.00e+05	1.25	y	51:19	1.15	57.7		-	-	*			
13C-PCB-206	1.51e+07	0.80	y	51:19	0.77	12000					120	1.97e+06	2.49e+06
PCB-209	1.14e+05	1.27	y	52:31	1.24	63.0		-	-	*			
13C-PCB-209	1.47e+07	1.22	y	52:29	0.79	11300					113	2.57e+06	2.12e+06
13C-PCB-194	1.64e+07	0.91	y	49:51	-	67.0							

Analyst: _____ Date: 10/30/20

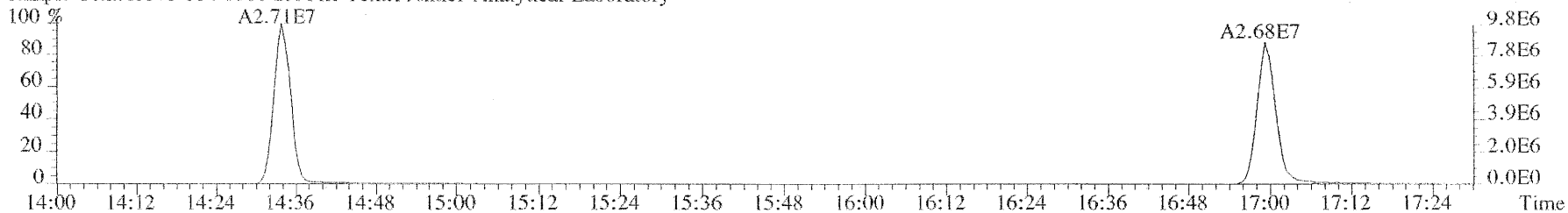
File:26OCT20Z #1-783 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



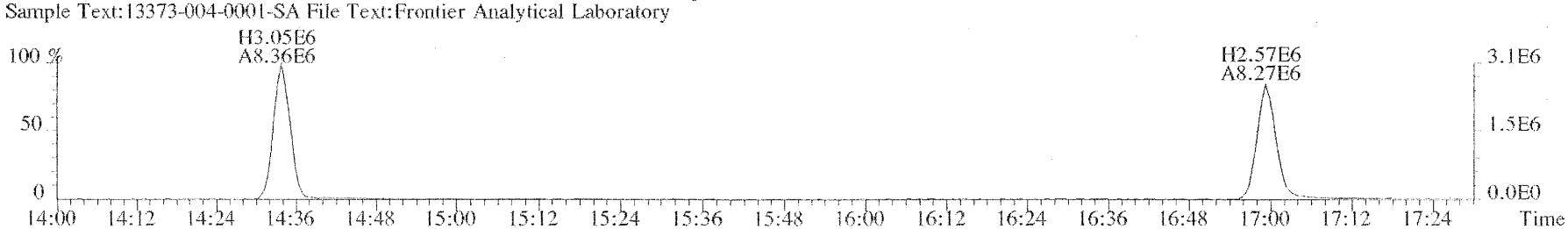
File:26OCT20Z #1-783 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



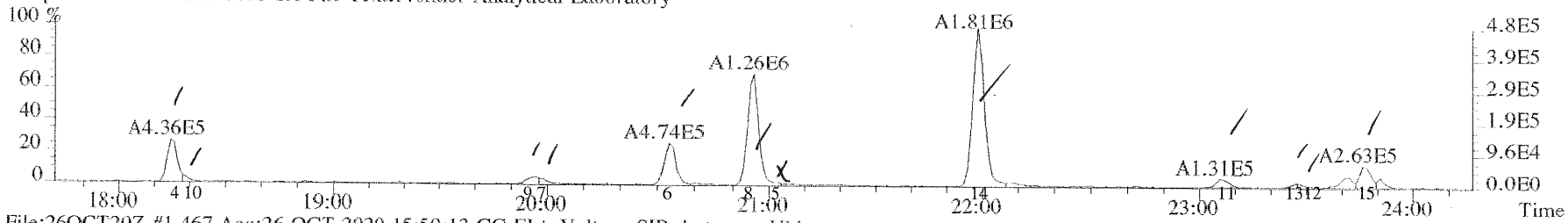
File:26OCT20Z #1-783 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



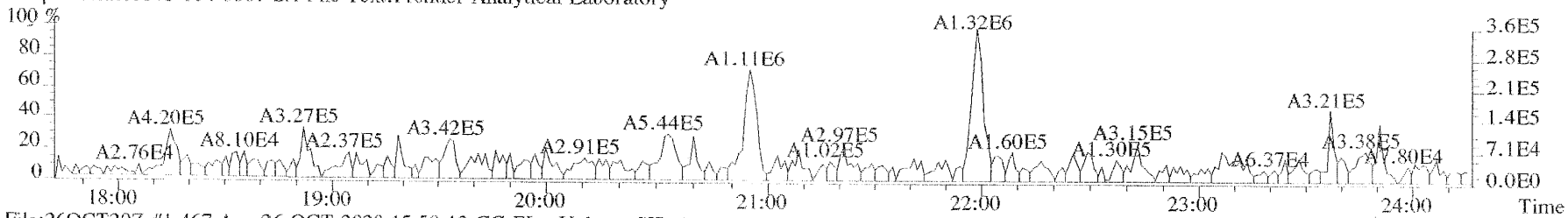
File:26OCT20Z #1-783 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



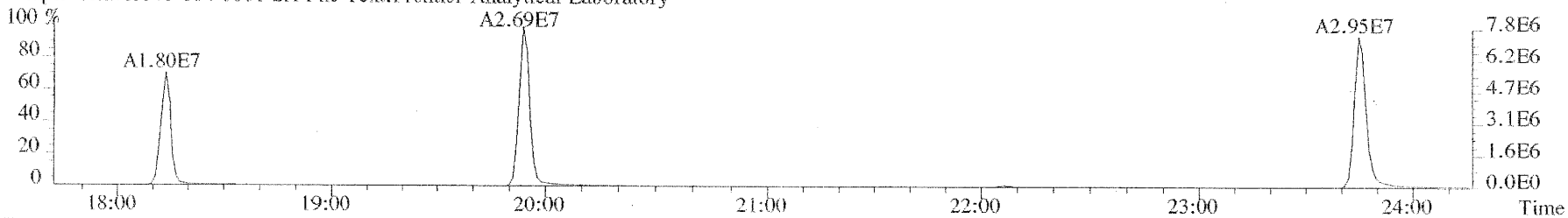
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



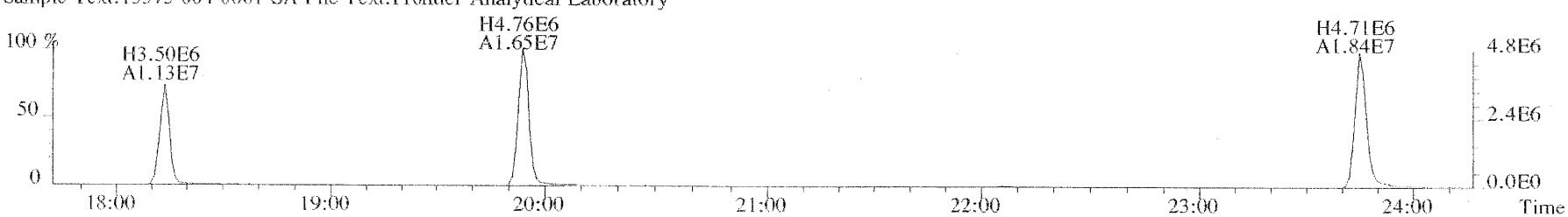
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



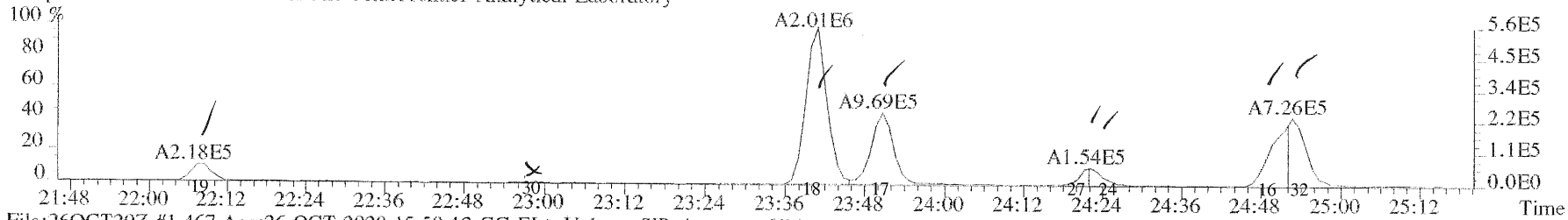
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



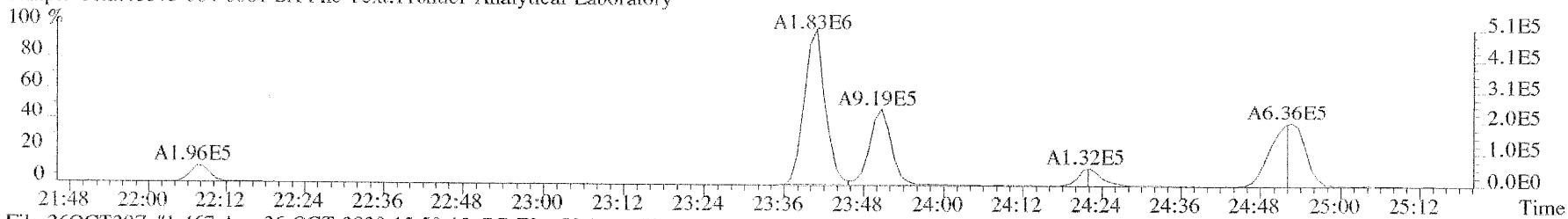
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



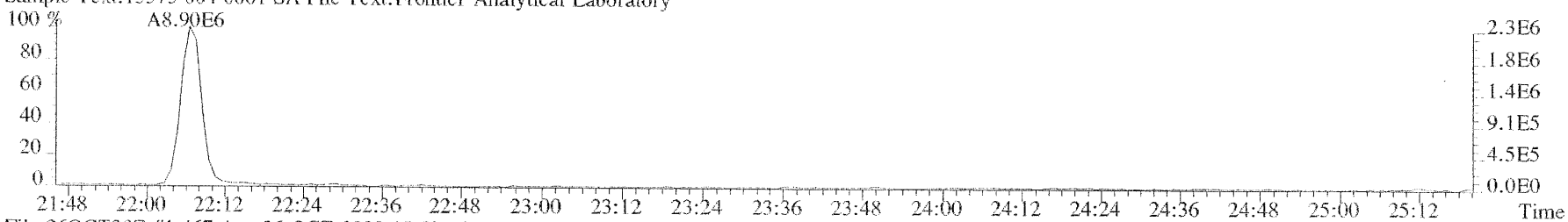
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



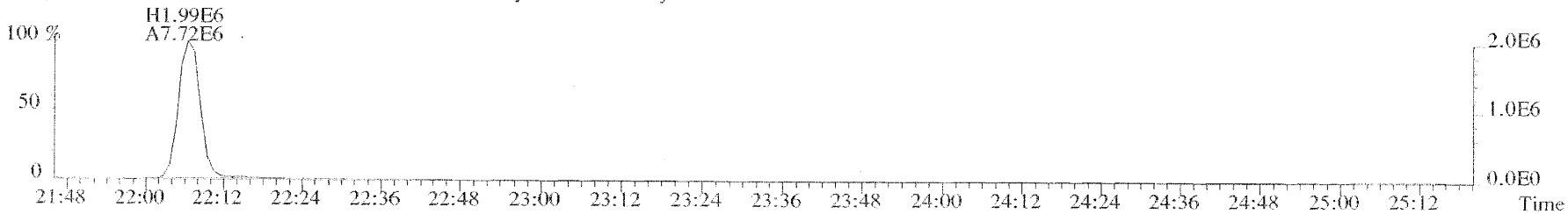
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



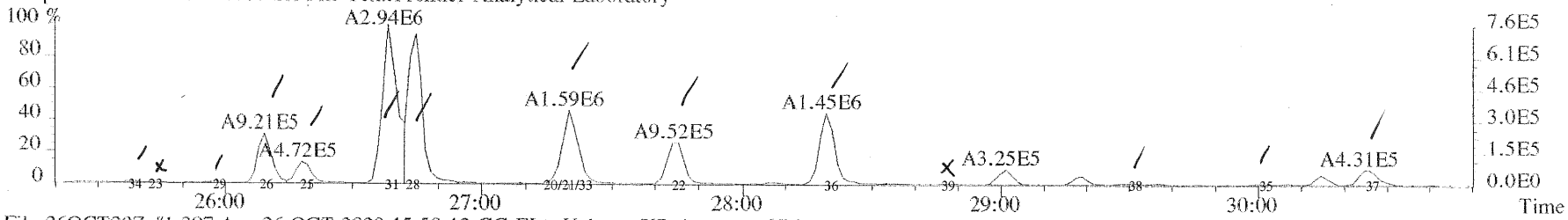
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



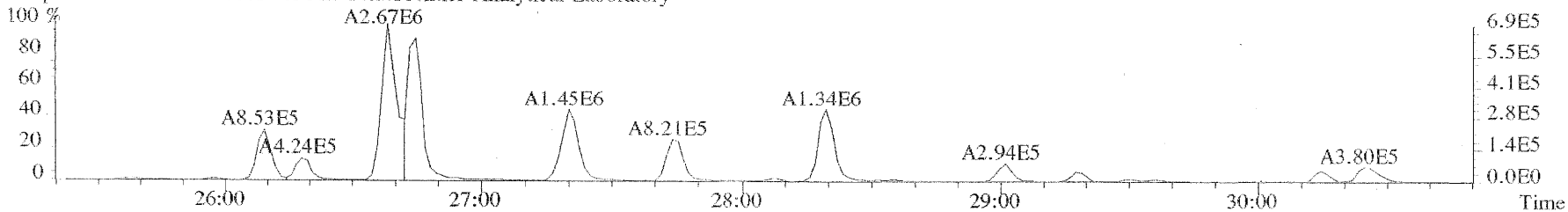
File:26OCT20Z #1-467 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



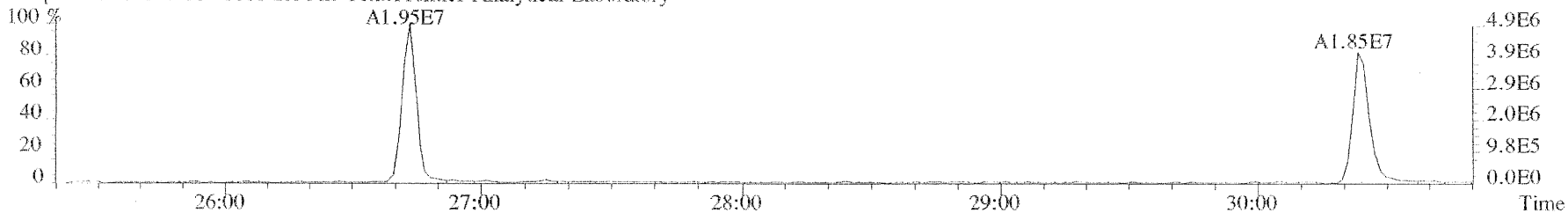
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



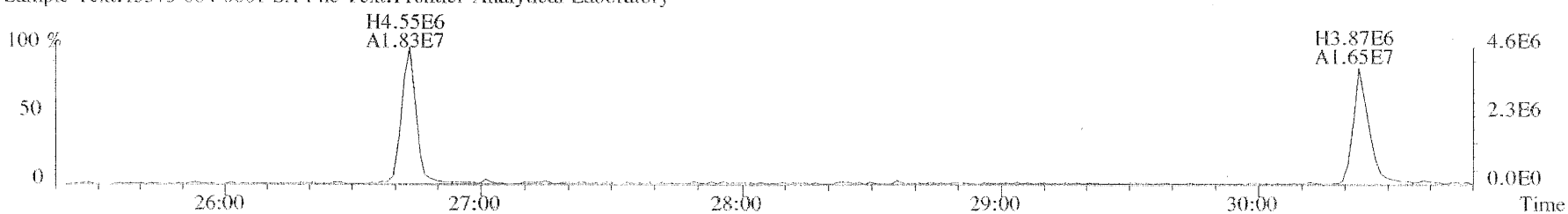
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



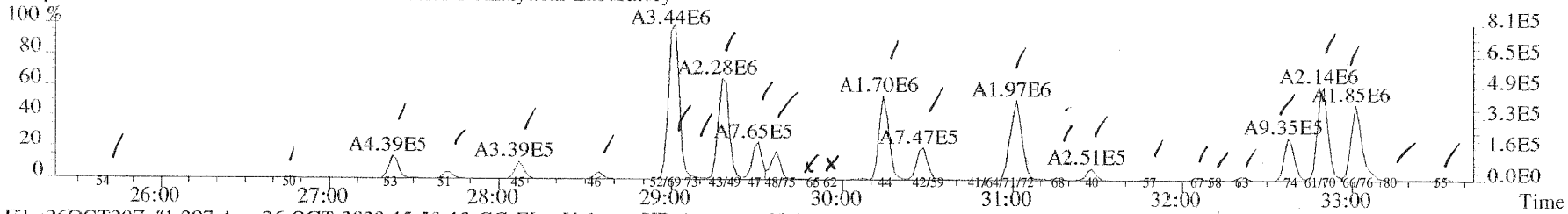
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



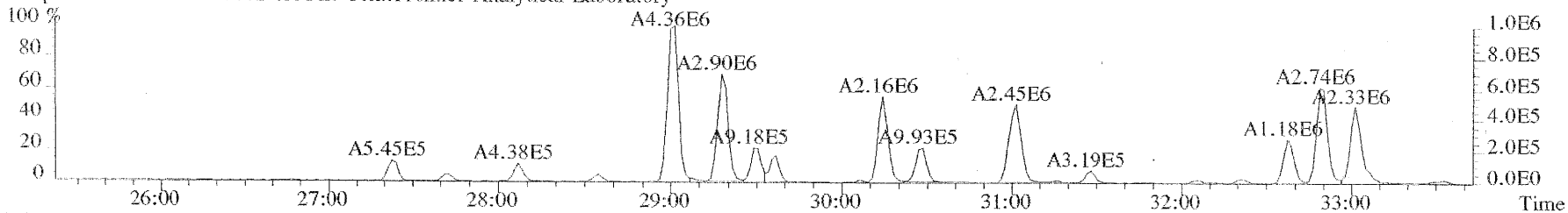
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



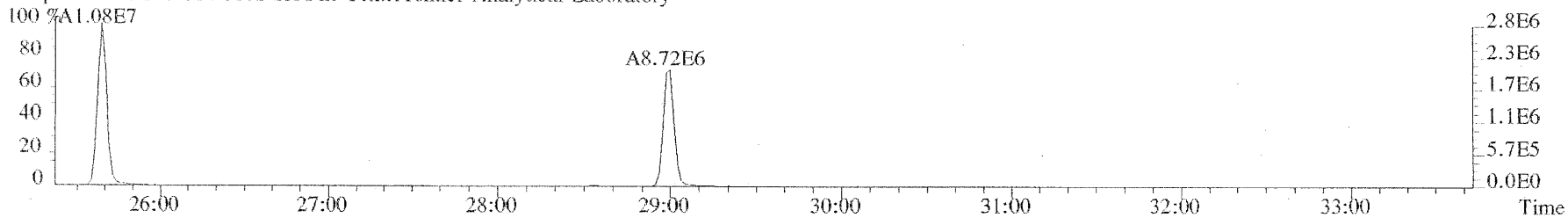
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



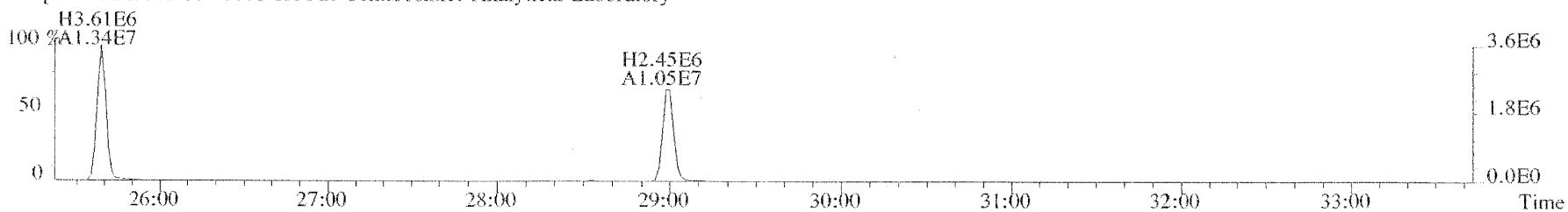
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



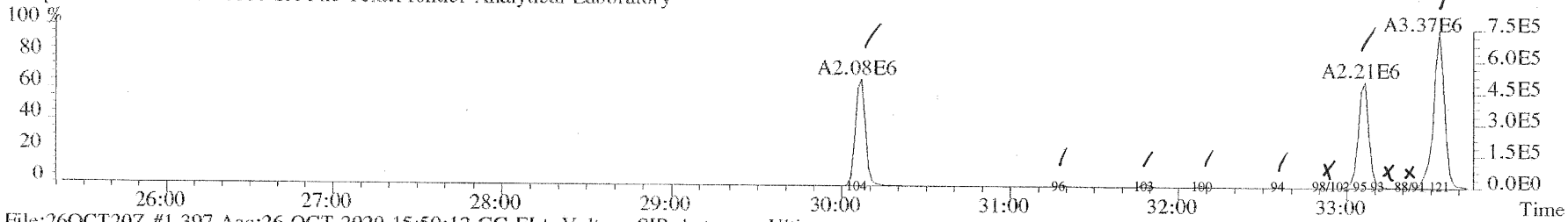
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



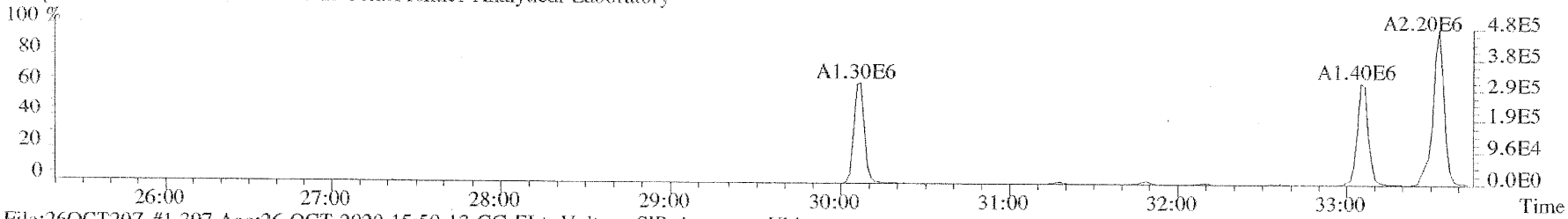
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



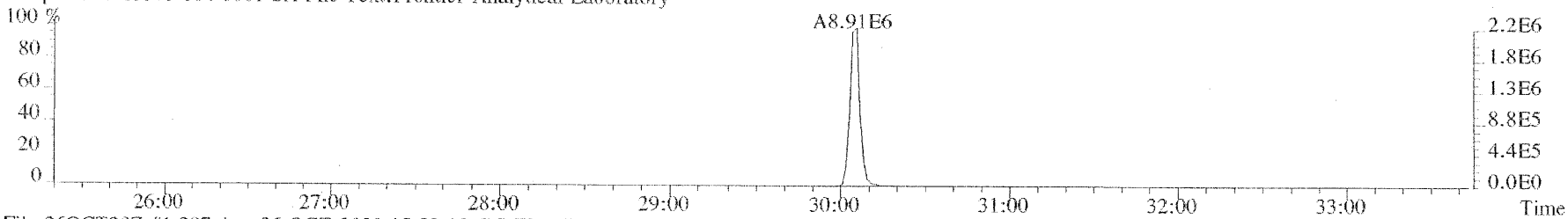
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



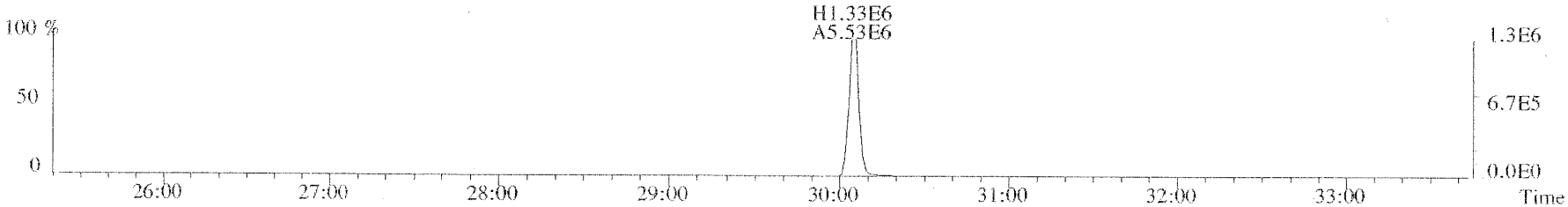
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



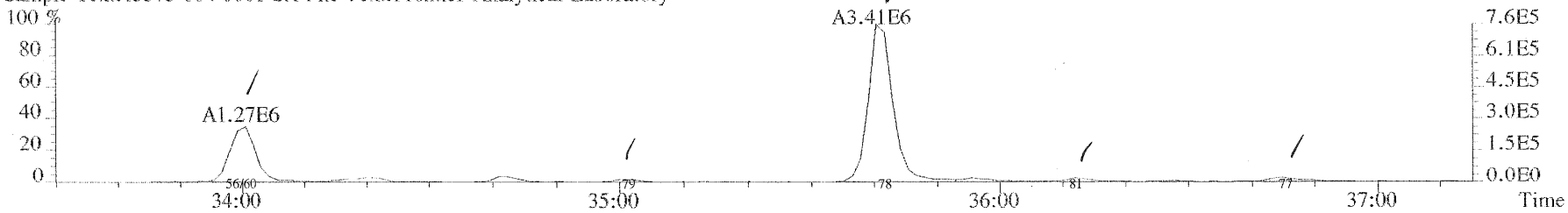
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



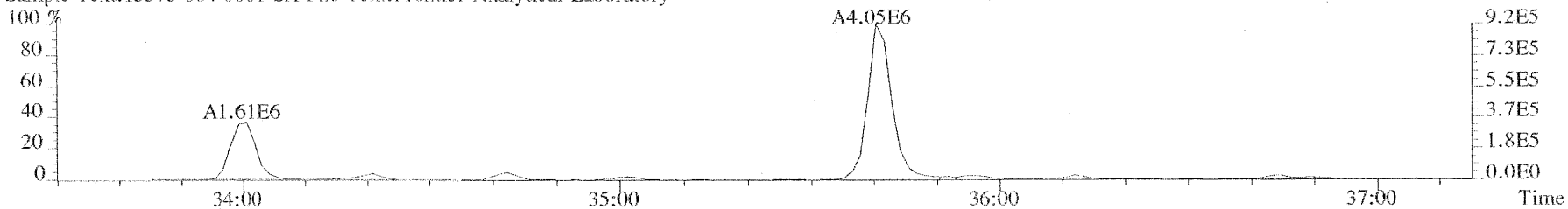
File:26OCT20Z #1-397 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



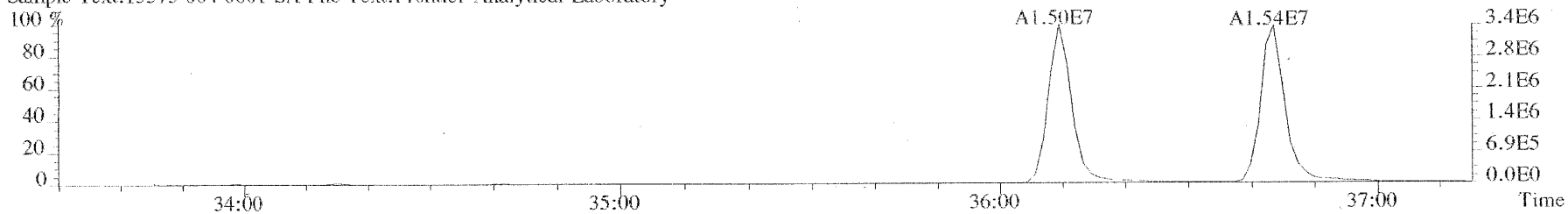
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



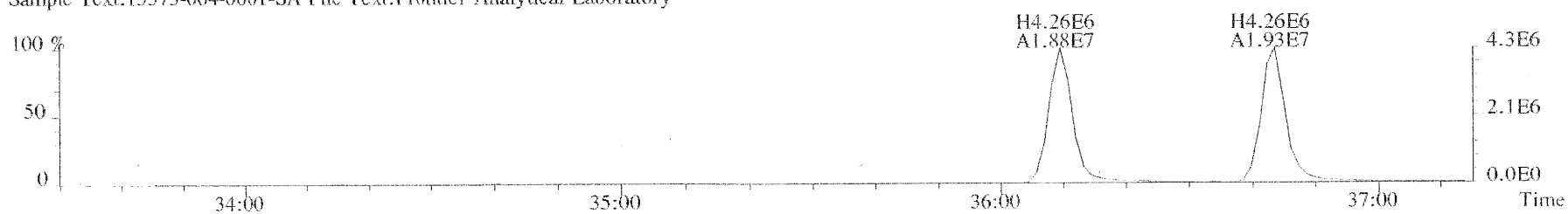
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



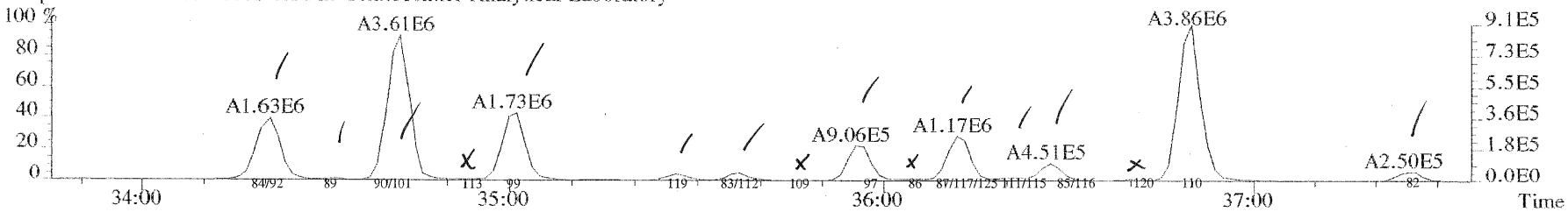
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



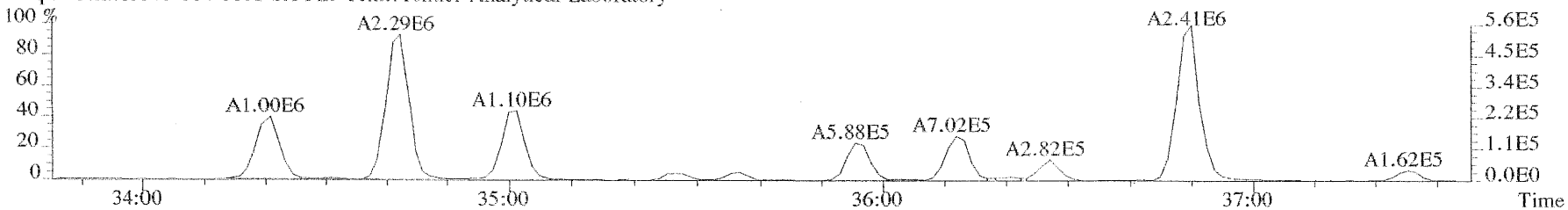
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



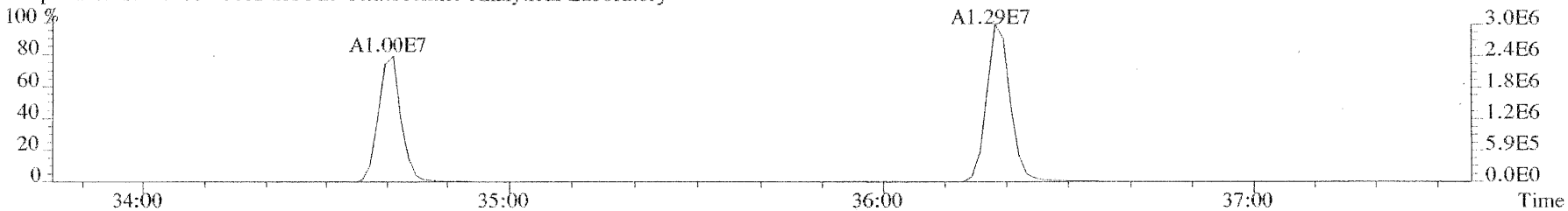
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



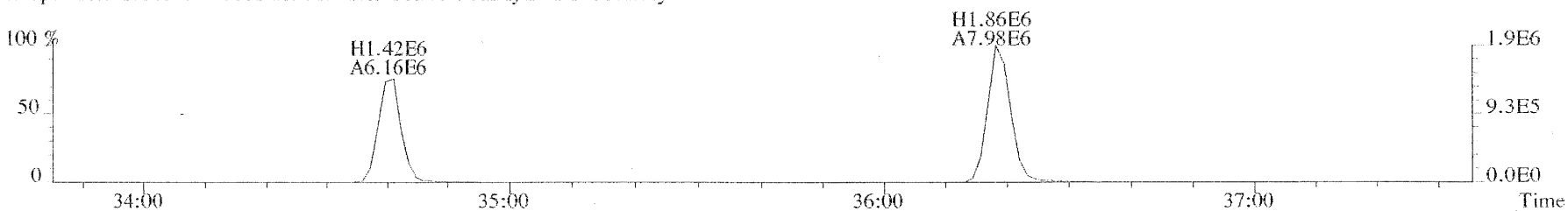
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



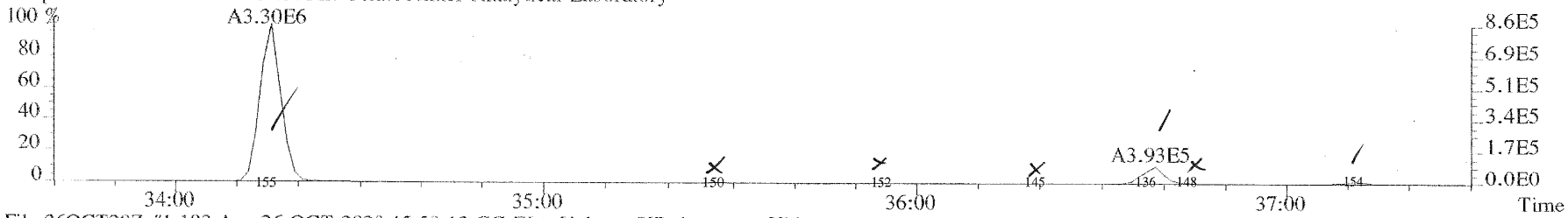
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



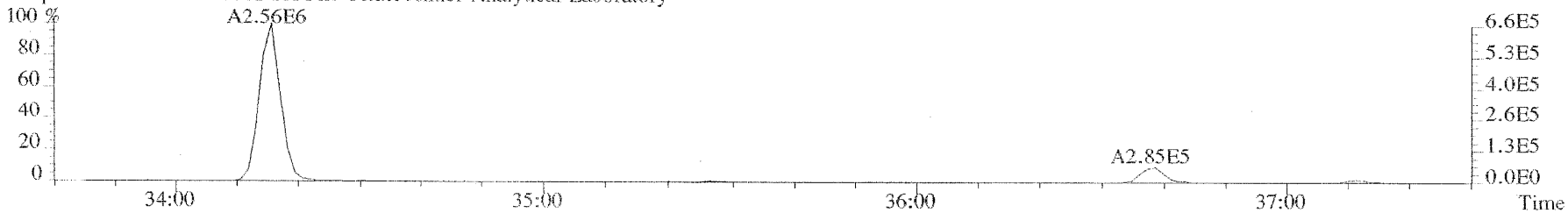
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



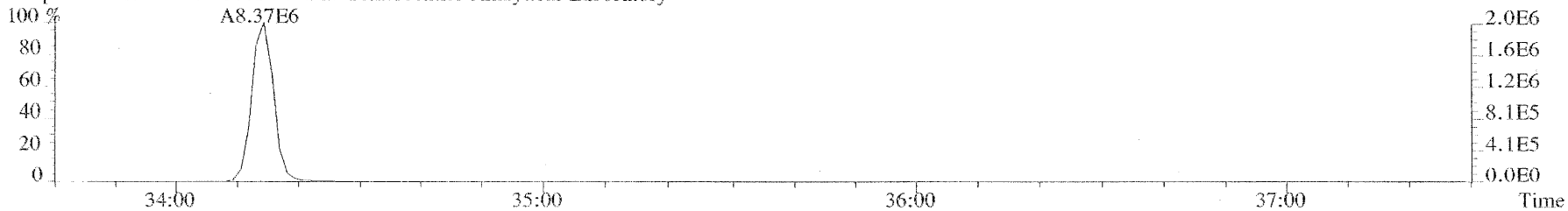
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



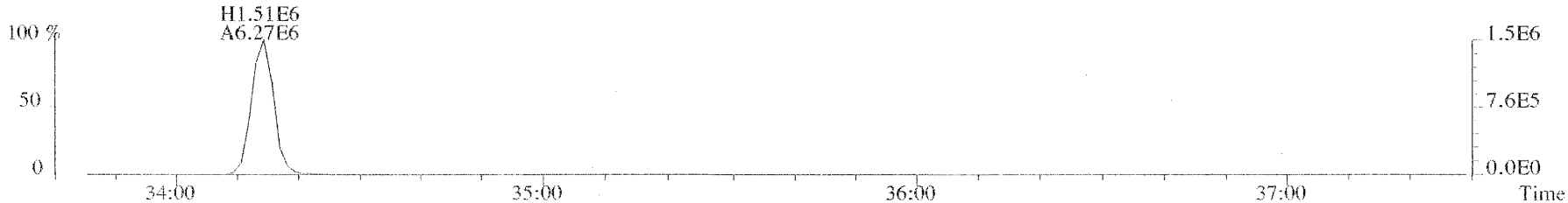
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



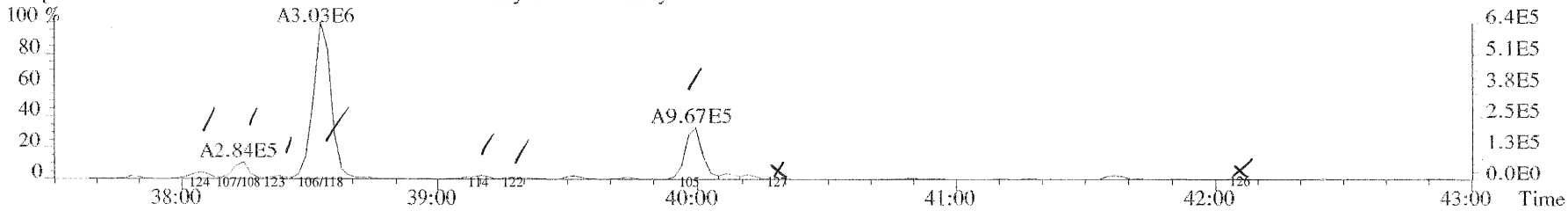
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



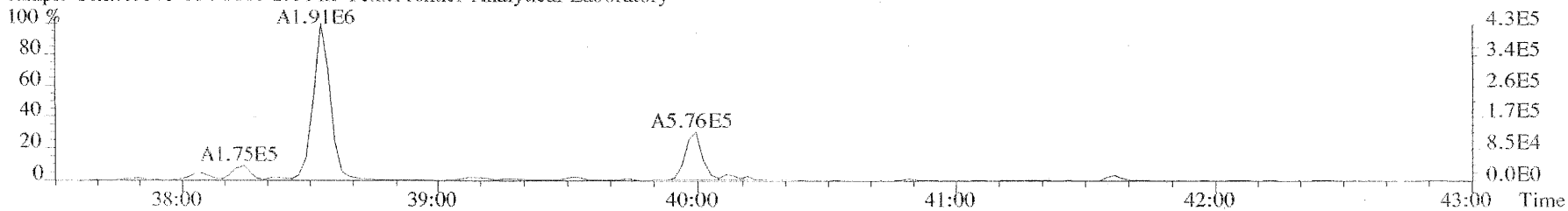
File:26OCT20Z #1-183 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



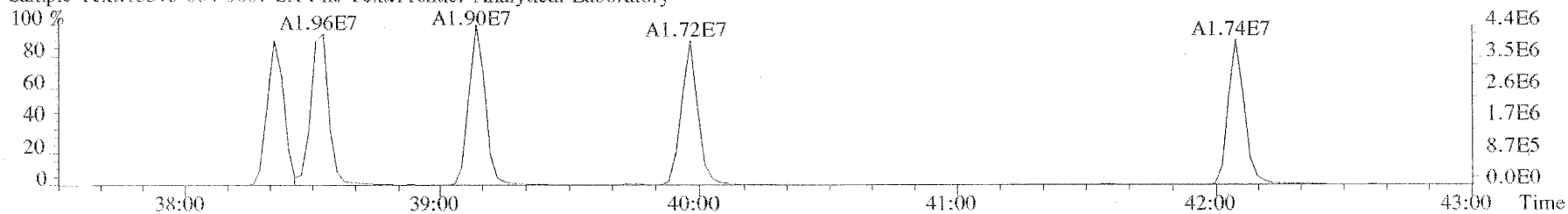
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



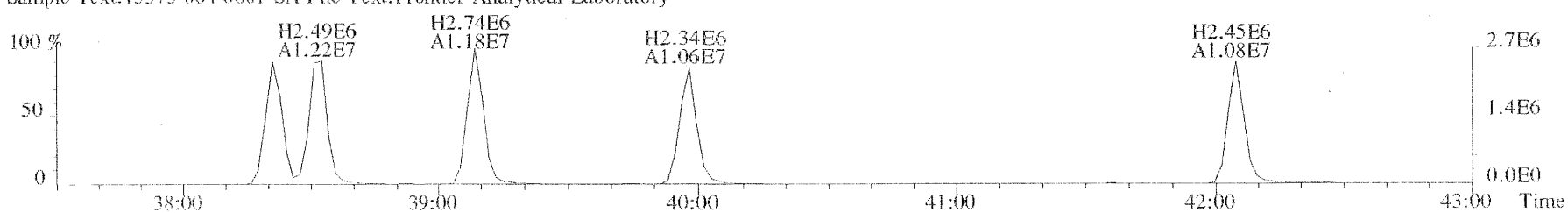
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



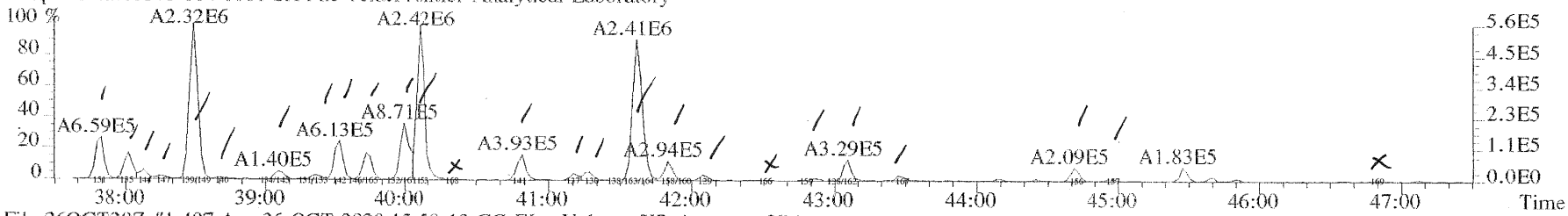
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



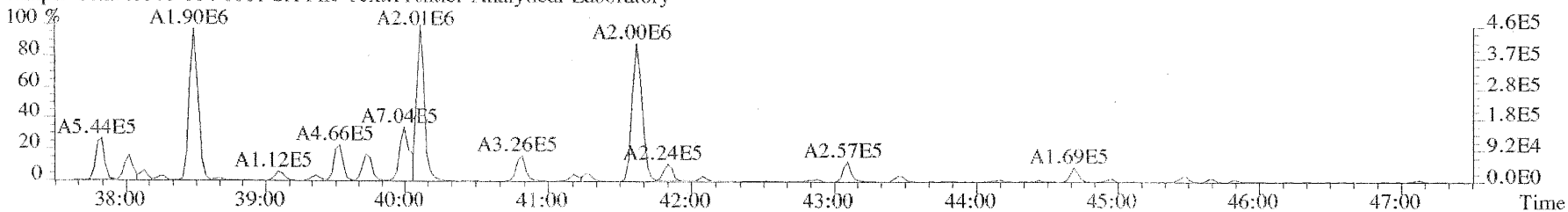
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



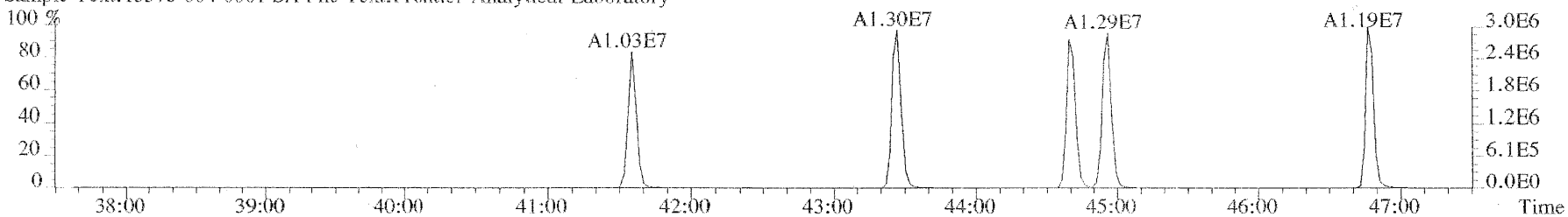
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



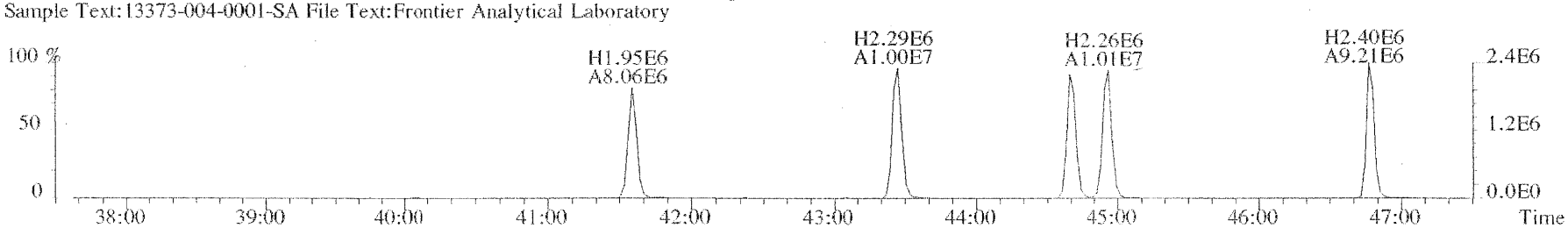
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



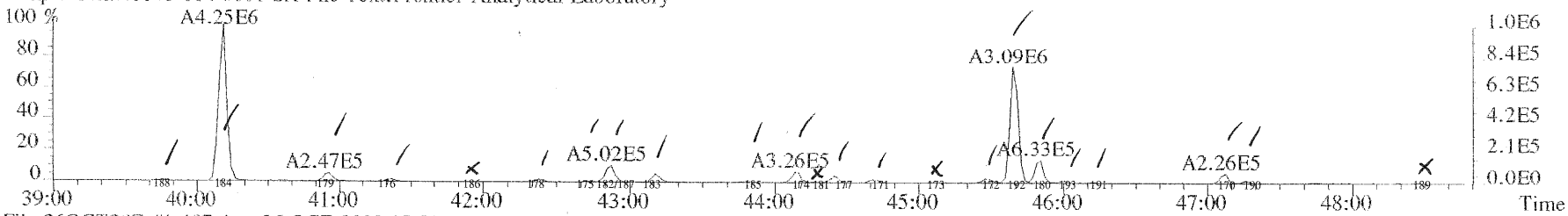
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



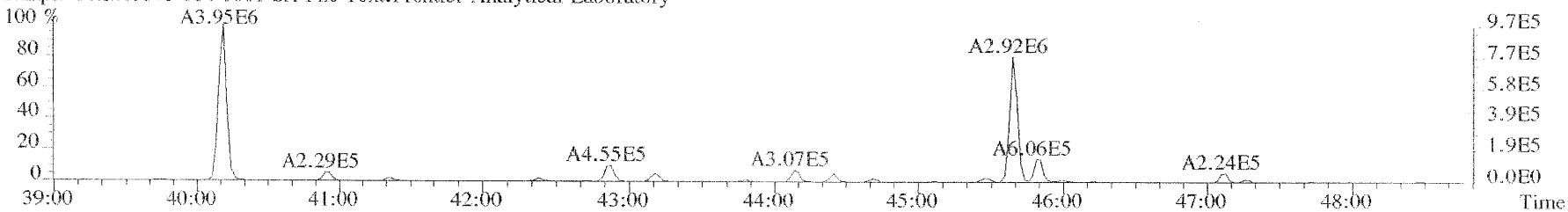
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



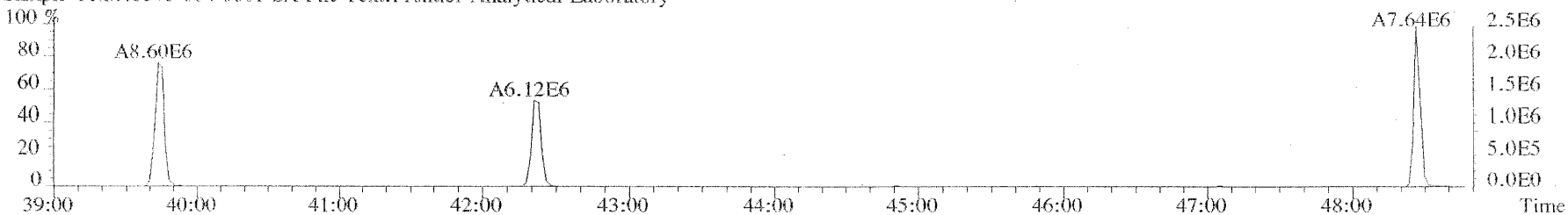
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



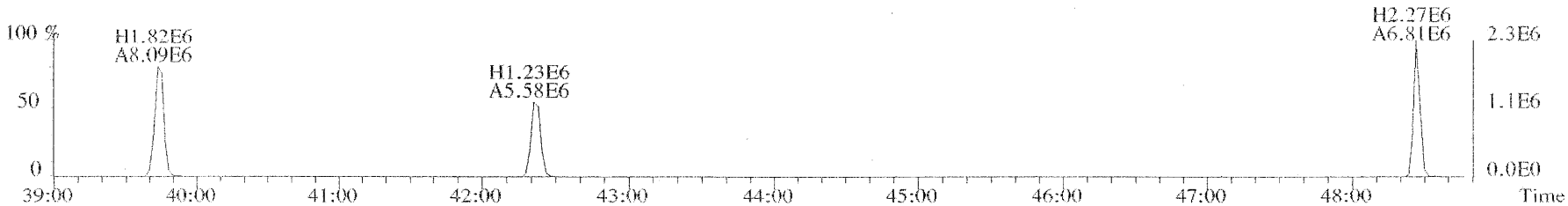
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



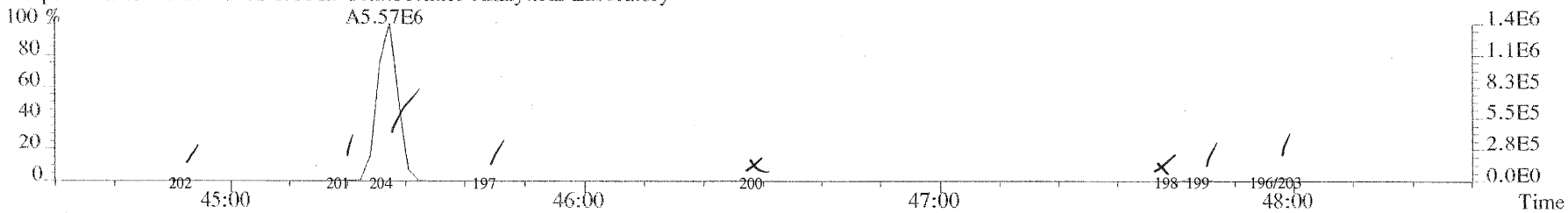
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



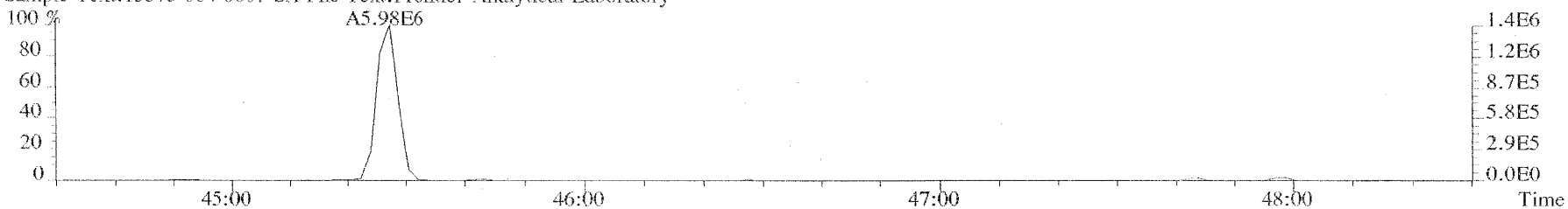
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



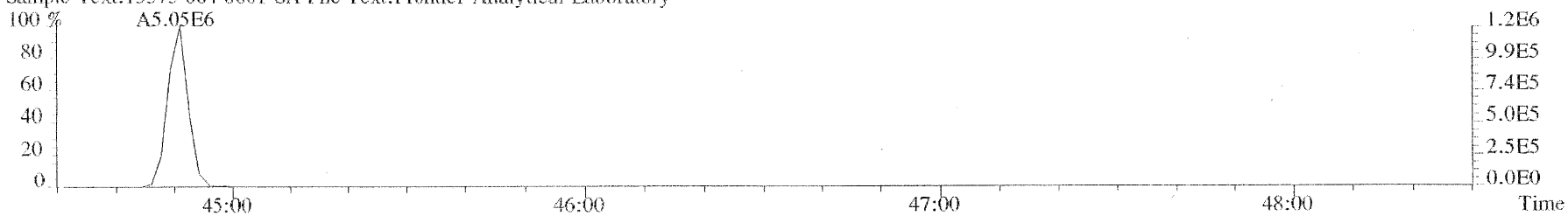
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



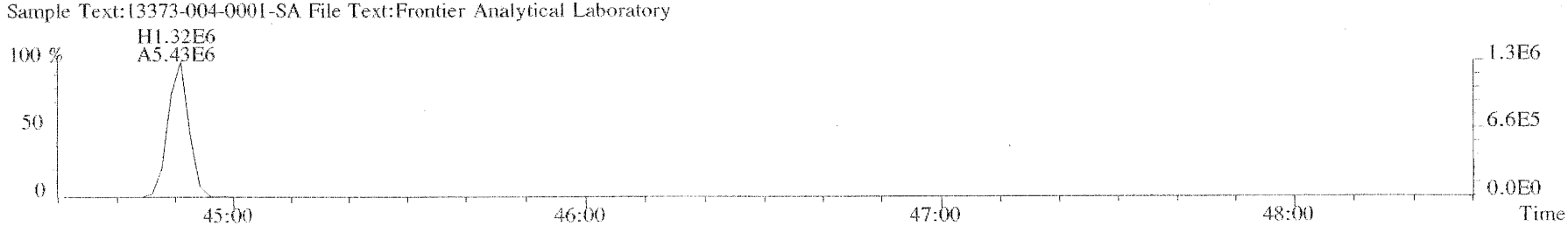
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



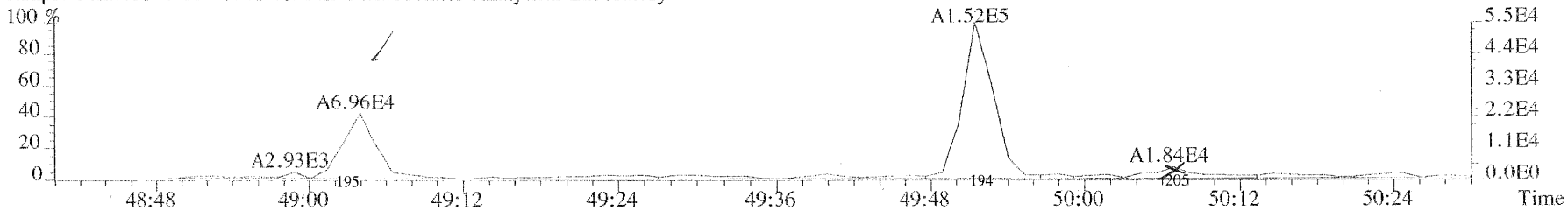
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



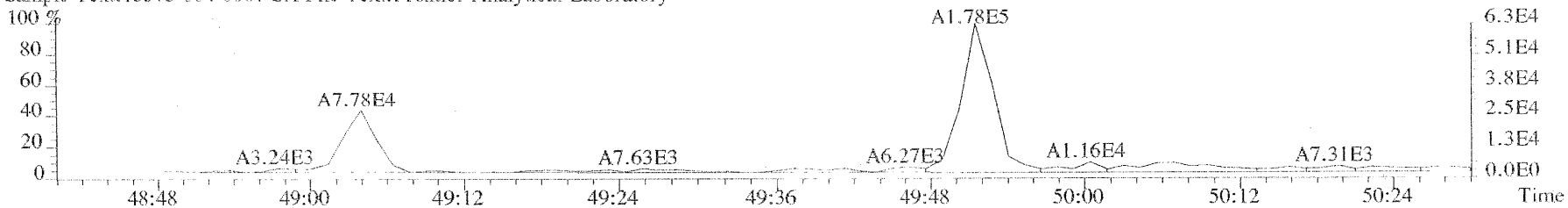
File:26OCT20Z #1-407 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



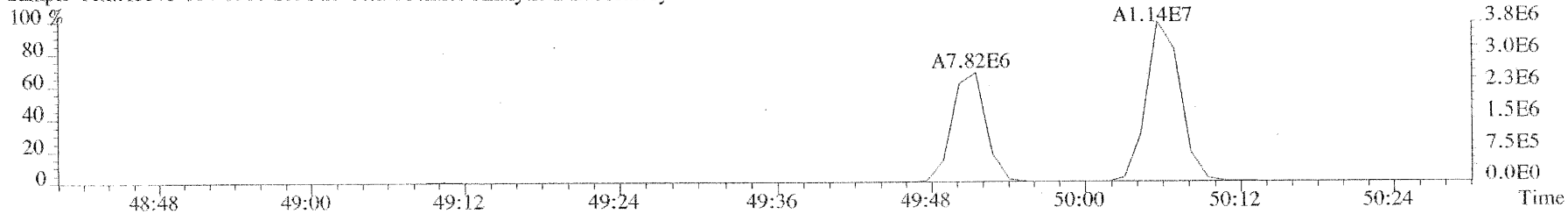
File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



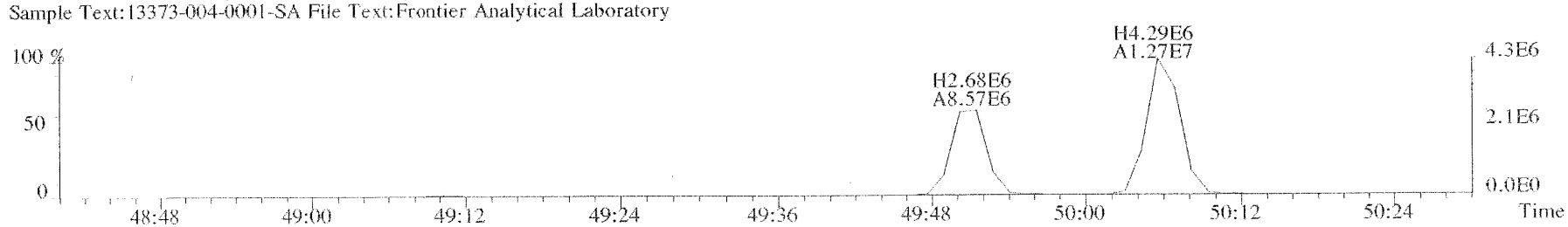
File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



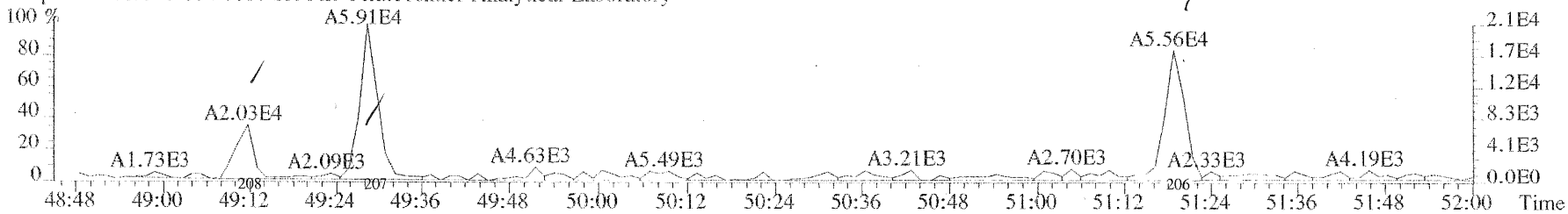
File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



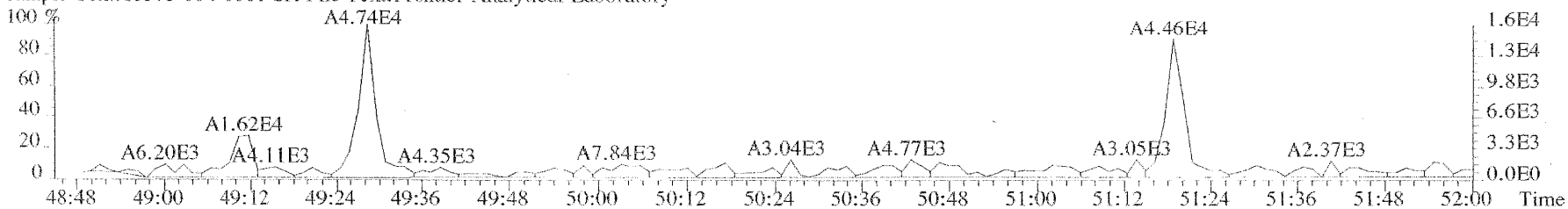
File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



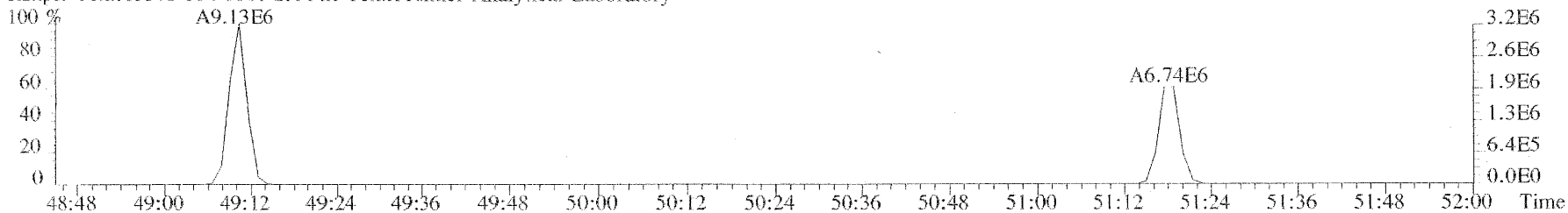
File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 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:13373-004-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 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:13373-004-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 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
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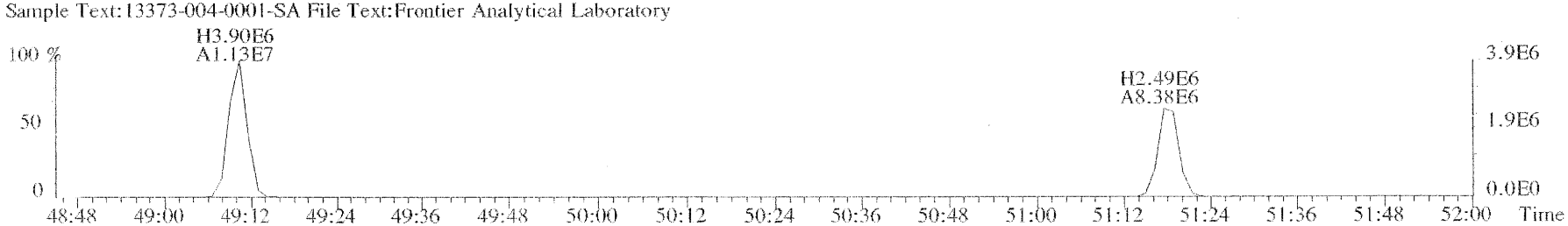

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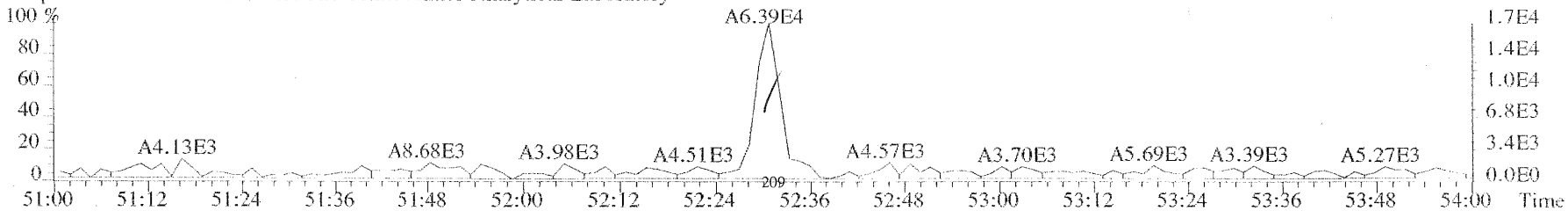
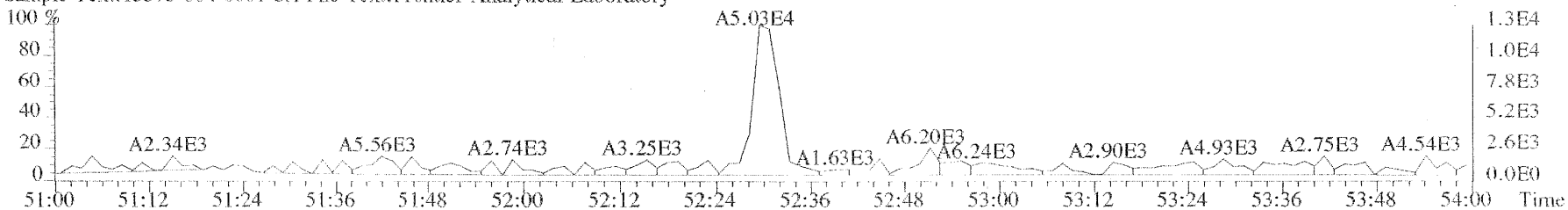
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 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:13373-004-0001-SA File Text:Frontier Analytical Laboratory



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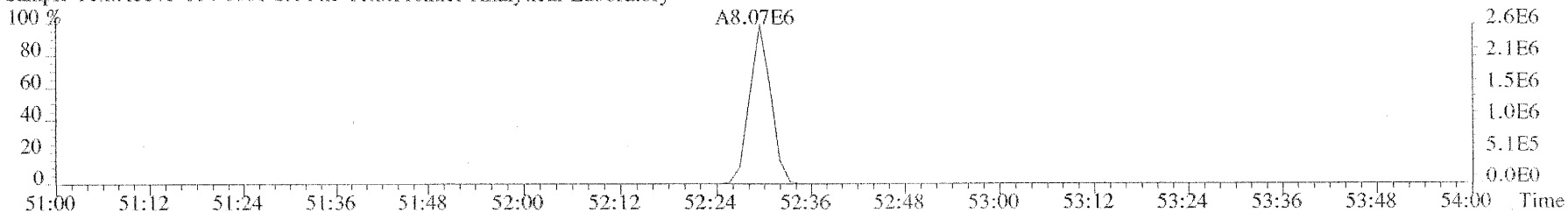
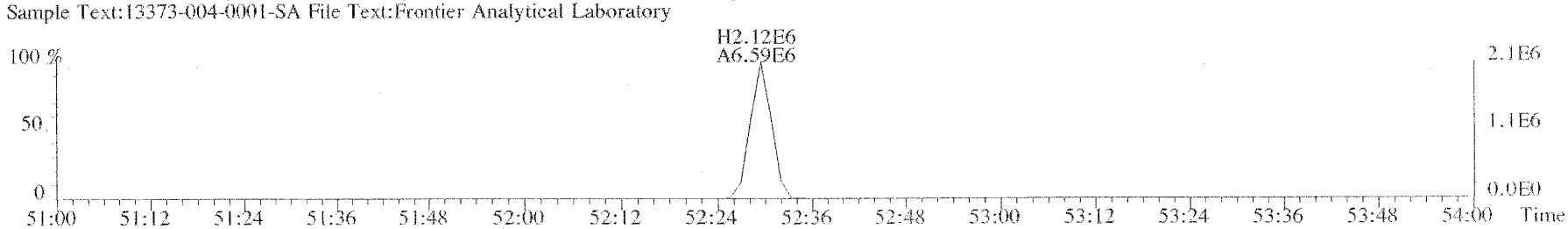
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-004-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 15:50:13 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:13373-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-005-0001-SA Filename: 26OCT20Z Sam:8 Acquired: 26-OCT-20 16:48:34 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CA-S010-BIO 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	5.14e+04	3.47 y	14:34	1.30	13.4	J	-	-	*			
13C-PCB-1	2.96e+07	3.32 y	14:33	0.83	9620					96.2	7.73e+06	2.33e+06
PCB-2	*	* n	NotFnd	1.33	*		1120	968	4.27			
PCB-3	*	* n	NotFnd	1.34	*		1120	968	4.65			
13C-PCB-3	2.85e+07	3.32 y	16:59	0.80	9570					95.7	6.45e+06	1.92e+06
PCB-4	4.21e+05	1.42 y	18:14	1.01	164		-	-	*			
PCB-10	4.95e+04	1.39 y	18:18	1.43	10.6	J	-	-	*			
13C-PCB-4	2.55e+07	1.62 y	18:13	0.64	10800					108	4.64e+06	2.84e+06
PCB-9	8.53e+04	1.45 y	19:57	1.34	19.5	J	-	-	*			
PCB-7	6.01e+04	1.54 y	19:59	1.40	13.1	J	-	-	*			
PCB-6	4.18e+05	1.45 y	20:33	1.35	94.6		-	-	*			
PCB-8	1.24e+06	1.68 y	20:56	1.33	285		-	-	*			
PCB-5	1.24e+06	1.68 y	20:56	1.36	279		720	4360	10.9			
PCB-14	4.60e+06	1.39 y	21:59	1.37	1030		-	-	*			
PCB-11	1.98e+05	1.55 y	23:06	1.34	45.3		-	-	*			
PCB-13	*	* n	NotFnd	1.39	*		720	4360	10.7			
PCB-12	*	* n	NotFnd	1.30	*		720	4360	11.5			
PCB-15	3.72e+05	1.44 y	23:47	1.24	74.7		-	-	*			
13C-PCB-15	4.01e+07	1.61 y	23:45	1.02	10500					105	5.77e+06	3.63e+06
PCB-19	9.23e+05	1.16 y	24:53	1.31	506		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2210	416	8.43			
PCB-18	2.39e+06	1.09 y	23:41	1.36	1260		-	-	*			
PCB-17	1.15e+06	1.07 y	23:51	1.48	557		-	-	*			
PCB-27	1.28e+05	1.13 y	24:21	1.93	47.7		-	-	*			
PCB-24	1.62e+05	1.16 y	24:23	1.97	58.8		-	-	*			
PCB-16	7.76e+05	1.09 y	24:52	1.66	335		-	-	*			
PCB-32	9.23e+05	1.16 y	24:53	1.65	402		-	-	*			
13C-PCB-19	1.40e+07	1.14 y	22:06	0.40	9400					94.0	2.09e+06	1.81e+06
13C-PCB-9	3.72e+07	1.60 y	19:54	-	68.7							
PCB-34	*	* n	NotFnd	1.16	*		1070	1290	8.27			
PCB-23	*	* n	NotFnd	1.15	*		1070	1290	8.34			
PCB-29	*	* n	NotFnd	1.19	*		1070	1290	8.00			
PCB-26	9.24e+05	1.12 y	26:09	1.17	273		-	-	*			
PCB-25	5.19e+05	1.08 y	26:19	1.14	157		-	-	*			
PCB-31	3.43e+06	1.17 y	26:38	1.18	1000		-	-	*			
PCB-28	4.02e+06	0.98 y	26:44	1.34	1030		-	-	*			
PCB-20	1.94e+06	1.08 y	27:20	1.12	599		-	-	*		Co-elute PCB 21/33	
PCB-21	1.94e+06	1.08 y	27:20	1.12	599		-	-	*		Co-elute PCB 20/33	
PCB-33	1.94e+06	1.08 y	27:20	1.12	599		-	-	*		Co-elute PCB 20/21	
PCB-22	1.04e+06	1.08 y	27:45	1.22	296		-	-	*			
PCB-36	3.77e+06	1.10 y	28:19	1.17	1110		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1070	1290	7.84			
PCB-38	*	* n	NotFnd	1.28	*		1070	1290	7.46			
PCB-35	*	* n	NotFnd	1.22	*		1070	1290	7.85			
PCB-37	4.70e+05	1.13 y	30:26	1.20	135		-	-	*			
13C-PCB-37	2.90e+07	1.05 y	30:24	1.83	9510					95.1	3.23e+06	2.94e+06

PCB-54	*	*	n	NotFnd	1.30	*		1220	1050	7.86			
PCB-50	3.59e+04	0.82	y	26:47	1.04	16.5	J	-	-	*			
PCB-53	6.07e+05	0.78	y	27:24	1.02	283		-	-	*			
PCB-51	2.16e+05	0.71	y	27:43	1.08	94.9		-	-	*			
PCB-45	5.09e+05	0.77	y	28:08	0.91	267		-	-	*			
PCB-46	2.08e+05	0.73	y	28:34	0.89	111		-	-	*			
PCB-52	4.19e+06	0.78	y	29:01	1.15	1730		-	-	*	Co-elute PCB 69		
PCB-69	4.19e+06	0.78	y	29:01	1.15	1730		-	-	*	Co-elute PCB 52		
PCB-73	1.01e+05	0.85	y	29:07	1.28	37.5		-	-	*			
PCB-43	2.74e+06	0.78	y	29:17	1.00	1300		-	-	*	Co-elute PCB 49		
PCB-49	2.74e+06	0.78	y	29:17	1.00	1300		-	-	*	Co-elute PCB 43		
PCB-47	8.57e+05	0.75	y	29:30	1.03	395		-	-	*			
PCB-48	7.89e+05	0.75	y	29:36	1.34	280		-	-	*	Co-elute PCB 75		
PCB-75	7.89e+05	0.75	y	29:36	1.34	280		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		1220	1050	7.50			
PCB-62	*	*	n	NotFnd	1.35	*		1220	1050	7.57			
PCB-44	2.14e+06	0.80	y	30:14	0.90	1130		-	-	*			
PCB-42	1.00e+06	0.77	y	30:28	1.12	423		-	-	*	Co-elute PCB 59		
PCB-59	1.00e+06	0.77	y	30:28	1.12	423		-	-	*	Co-elute PCB 42		
PCB-72	2.51e+06	0.76	y	31:01	1.26	948		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.51e+06	0.76	y	31:01	1.26	948		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.51e+06	0.76	y	31:01	1.26	948		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.51e+06	0.76	y	31:01	1.26	948		-	-	*	Co-elute PCB 72/41/71		
PCB-68	7.56e+04	0.82	y	31:16	1.47	24.5		-	-	*			
PCB-40	3.56e+05	0.73	y	31:28	0.80	213		-	-	*			
PCB-57	3.49e+04	0.73	y	31:48	1.38	12.0	J	-	-	*			
PCB-67	1.03e+05	0.75	y	32:06	1.39	35.2		-	-	*			
PCB-58	*	*	n	NotFnd	1.37	*		1220	1050	7.46			
PCB-63	1.16e+05	0.72	y	32:22	1.41	39.1		-	-	*			
PCB-74	1.17e+06	0.78	y	32:37	1.38	404		-	-	*			
PCB-61	2.46e+06	0.76	y	32:50	1.26	926		-	-	*	Co-elute PCB 70		
PCB-70	2.46e+06	0.76	y	32:50	1.26	926		-	-	*	Co-elute PCB 61		
PCB-76	2.10e+06	0.77	y	33:01	1.41	706		-	-	*	Co-elute PCB 66		
PCB-66	2.10e+06	0.77	y	33:01	1.41	706		-	-	*	Co-elute PCB 76		
PCB-80	6.53e+04	0.75	y	33:13	1.56	19.9	J	-	-	*			
PCB-55	1.72e+05	0.74	y	33:33	1.33	61.7		-	-	*			
13C-PCB-54	2.11e+07	0.82	y	25:39	1.12	11200					112	2.46e+06	3.09e+06
PCB-104	4.63e+06	1.54	y	30:07	1.20	3040		-	-	*			
PCB-96	2.54e+04	1.45	y	31:19	1.15	17.3	J	-	-	*			
PCB-103	4.70e+04	1.49	y	31:49	0.99	37.5		-	-	*			
PCB-100	3.00e+04	1.65	y	32:08	0.97	24.3		-	-	*			
PCB-94	*	*	n	NotFnd	0.82	*		328	376	7.02			
PCB-98	*	*	n	NotFnd	0.81	*		328	376	7.09	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		328	376	7.09	Co-elute PCB 98		
PCB-95	1.78e+06	1.60	y	33:06	0.88	1590		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		328	376	6.71			
PCB-88	*	*	n	NotFnd	0.86	*		328	376	6.64	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		328	376	6.64	Co-elute PCB 88		
PCB-121	6.47e+06	1.58	y	33:33	1.17	4360		-	-	*			
13C-PCB-104	1.27e+07	1.59	y	30:05	0.79	9600					96.0	1.89e+06	1.18e+06
13C-PCB-28	3.47e+07	1.12	y	26:43	2.03	10300					103	4.68e+06	4.29e+06
13C-PCB-52	1.67e+07	0.81	y	29:00	-	64.8							

PCB-56	1.58e+06	0.77	y	34:00	1.15	491		-	-	*		Co-elute PCB 60
PCB-60	1.58e+06	0.77	y	34:00	1.15	491		-	-	*		Co-elute PCB 56
PCB-79	7.14e+04	0.70	y	35:01	1.25	20.5		-	-	*		
PCB-78	1.19e+07	0.81	y	35:42	1.20	3530		-	-	*		
PCB-81	1.13e+05	0.70	y	36:12	1.29	31.8		-	-	*		
13C-PCB-81	2.76e+07	0.79	y	36:09	1.82	11400					114	2.70e+06 3.35e+06
PCB-77	1.21e+05	0.75	y	36:45	1.13	37.8		-	-	*		
13C-PCB-77	2.82e+07	0.80	y	36:43	1.87	11400					114	2.68e+06 3.32e+06
PCB-155	6.57e+06	1.31	y	34:16	1.12	5130		-	-	*		
PCB-150	*	*	n	NotFnd	1.10	*		464	448	8.00		
PCB-152	*	*	n	NotFnd	1.06	*		464	448	8.32		
PCB-145	*	*	n	NotFnd	1.07	*		464	448	8.24		
PCB-136	3.61e+05	1.31	y	36:38	1.08	291		-	-	*		
PCB-148	*	*	n	NotFnd	0.76	*		464	448	11.6		
PCB-154	6.70e+04	1.38	y	37:11	0.93	62.9		-	-	*		
13C-PCB-155	1.15e+07	1.33	y	34:14	1.04	8320					83.2	1.52e+06 1.08e+06
13C-PCB-111	1.70e+07	1.63	y	36:19	1.29	9960					99.6	2.55e+06 1.60e+06
13C-PCB-101	1.33e+07	1.64	y	34:41	-	62.2						
PCB-84	1.31e+06	1.54	y	34:21	0.66	776		-	-	*		Co-elute PCB 92
PCB-92	1.31e+06	1.54	y	34:21	0.66	776		-	-	*		Co-elute PCB 84
PCB-89	4.11e+04	1.56	y	34:31	0.67	23.9		-	-	*		
PCB-90	2.86e+06	1.60	y	34:42	0.75	1500		-	-	*		Co-elute PCB 101
PCB-101	2.86e+06	1.60	y	34:42	0.75	1500		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		930	948	9.15		
PCB-99	1.28e+06	1.65	y	35:01	0.83	611		-	-	*		
PCB-119	1.17e+05	1.52	y	35:28	0.99	46.7		-	-	*		
PCB-83	1.34e+05	1.37	y	35:36	0.78	67.2		-	-	*		Co-elute PCB 112
PCB-112	1.34e+05	1.37	y	35:36	0.78	67.2		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		930	948	8.58		
PCB-97	6.99e+05	1.52	y	35:57	0.64	430		-	-	*		
PCB-86	*	*	n	NotFnd	0.56	*		930	948	14.2		
PCB-125	9.28e+05	1.59	y	36:13	0.89	409		-	-	*		Co-elute PCB 87/117
PCB-87	9.28e+05	1.59	y	36:13	0.89	409		-	-	*		Co-elute PCB 125/117
PCB-117	9.28e+05	1.59	y	36:13	0.89	409		-	-	*		Co-elute PCB 125/87
PCB-111	6.49e+04	1.38	y	36:22	0.95	26.8		-	-	*		Co-elute PCB 115
PCB-115	6.49e+04	1.38	y	36:22	0.95	26.8		-	-	*		Co-elute PCB 111
PCB-85	3.60e+05	1.46	y	36:27	0.84	168		-	-	*		Co-elute PCB 116
PCB-116	3.60e+05	1.46	y	36:27	0.84	168		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		930	948	7.91		
PCB-110	2.91e+06	1.57	y	36:50	0.94	1220		-	-	*		
PCB-82	2.12e+05	1.64	y	37:25	0.57	147		-	-	*		
PCB-124	1.06e+05	1.51	y	38:04	1.21	34.3		-	-	*		
PCB-108	4.78e+04	1.73	y	38:22	1.16	16.2	J	-	-	*		Co-elute PCB 107
PCB-107	4.78e+04	1.73	y	38:22	1.16	16.2	J	-	-	*		Co-elute PCB 108
PCB-123	4.78e+04	1.73	y	38:22	1.11	17.3	J	-	-	*		
13C-PCB-123	2.49e+07	1.61	y	38:21	1.40	11200					112	3.56e+06 2.22e+06
PCB-118	2.23e+06	1.63	y	38:32	1.14	729		-	-	*		Co-elute PCB 106
PCB-106	2.23e+06	1.63	y	38:32	1.14	729		-	-	*		Co-elute PCB 118
13C-PCB-118	2.68e+07	1.59	y	38:32	1.51	11200					112	3.91e+06 2.44e+06
PCB-114	5.64e+04	1.41	y	39:08	1.24	17.8	J	-	-	*		
13C-PCB-114	2.55e+07	1.62	y	39:08	1.49	10800					108	3.54e+06 2.26e+06
PCB-122	4.37e+04	1.43	y	39:17	1.16	14.9	J	-	-	*		
PCB-105	6.67e+05	1.65	y	39:59	1.22	221		-	-	*		
13C-PCB-105	2.47e+07	1.59	y	39:58	1.49	10500					105	3.46e+06 2.19e+06

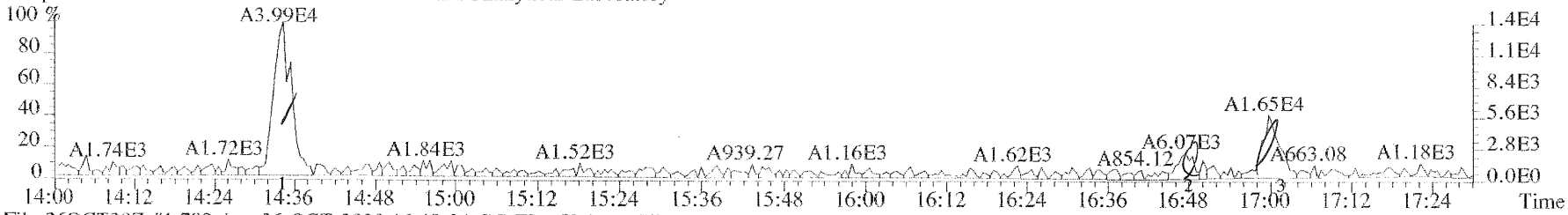
PCB-127	*	*	n	NotFnd	1.17	*		992	1080	7.55				
PCB-126	*	*	n	NotFnd	1.19	*		992	1080	9.23				
13C-PCB-126	2.30e+07	1.57	y	42:05	1.42	10200					102	2.89e+06	1.83e+06	
PCB-151	6.09e+05	1.24	y	37:49	0.93	347		-	-	*				
PCB-135	3.51e+05	1.17	y	38:01	0.95	195		-	-	*				
PCB-144	1.29e+05	1.32	y	38:08	0.93	73.3		-	-	*				
PCB-147	6.72e+04	1.34	y	38:16	0.96	36.8		-	-	*				
PCB-139	1.93e+06	1.28	y	38:29	0.98	1040		-	-	*		Co-elute PCB 149		
PCB-149	1.93e+06	1.28	y	38:29	0.98	1040		-	-	*		Co-elute PCB 139		
PCB-140	4.71e+04	1.28	y	38:40	0.97	25.6		-	-	*				
PCB-143	1.31e+05	1.33	y	39:05	0.81	85.4		-	-	*		Co-elute PCB 134		
PCB-134	1.31e+05	1.33	y	39:05	0.81	85.4		-	-	*		Co-elute PCB 143		
PCB-131	7.86e+04	1.08	y	39:22	0.83	50.1		-	-	*		Co-elute PCB 133		
PCB-133	7.86e+04	1.08	y	39:22	0.83	50.1		-	-	*		Co-elute PCB 131		
PCB-142	1.38e+06	1.21	y	39:31	0.83	876		-	-	*				
PCB-165	4.31e+05	1.23	y	39:43	1.12	204		-	-	*		Co-elute PCB 146		
PCB-146	4.31e+05	1.23	y	39:43	1.12	204		-	-	*		Co-elute PCB 165		
PCB-161	6.45e+05	1.19	y	39:59	1.04	327		-	-	*		Co-elute PCB 132		
PCB-132	6.45e+05	1.19	y	39:59	1.04	327		-	-	*		Co-elute PCB 161		
PCB-153	2.10e+06	1.27	y	40:06	1.08	1030		-	-	*				
PCB-168	*	*	n	NotFnd	1.19	*		1080	810	9.02				
PCB-141	2.87e+05	1.08	y	40:49	0.94	160		-	-	*				
PCB-137	7.48e+04	1.19	y	41:12	0.98	40.2		-	-	*				
PCB-130	1.05e+05	1.14	y	41:17	0.76	73.1		-	-	*				
PCB-138	1.83e+06	1.25	y	41:37	1.11	869		-	-	*		Co-elute PCB 163/164		
PCB-163	1.83e+06	1.25	y	41:37	1.11	869		-	-	*		Co-elute PCB 138/164		
PCB-164	1.83e+06	1.25	y	41:37	1.11	869		-	-	*		Co-elute PCB 138/163		
PCB-158	1.94e+05	1.12	y	41:50	1.25	81.9		-	-	*		Co-elute PCB 160		
PCB-160	1.94e+05	1.12	y	41:50	1.25	81.9		-	-	*		Co-elute PCB 158		
PCB-129	5.62e+04	1.28	y	42:06	0.78	37.8		-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*		1080	810	8.80				
PCB-159	4.83e+04	1.12	y	42:52	1.31	19.4	J	-	-	*				
PCB-128	2.59e+05	1.16	y	43:05	1.04	132		-	-	*		Co-elute PCB 162		
PCB-162	2.59e+05	1.16	y	43:05	1.04	132		-	-	*		Co-elute PCB 128		
PCB-167	6.82e+04	1.15	y	43:29	1.20	28.9		-	-	*				
13C-PCB-167	1.97e+07	1.29	y	43:27	1.18	10600					106	2.70e+06	2.06e+06	
PCB-156	1.38e+05	1.08	y	44:41	1.29	57.8		-	-	*				
13C-PCB-156	1.86e+07	1.33	y	44:41	1.15	10200					102	2.27e+06	1.77e+06	
PCB-157	4.34e+04	1.28	y	44:56	1.21	19.0	J	-	-	*				
13C-PCB-157	1.89e+07	1.31	y	44:56	1.17	10200					102	2.50e+06	1.86e+06	
PCB-169	*	*	n	NotFnd	1.17	*		1080	810	9.05				
13C-PCB-169	1.87e+07	1.28	y	46:48	1.18	10000					100	2.54e+06	1.93e+06	

FAL ID: 13373-005-0001-SA Filename: 26OCT20Z Sam:8 Acquired: 26-OCT-20 16:48:34 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CA-S010-BIO ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

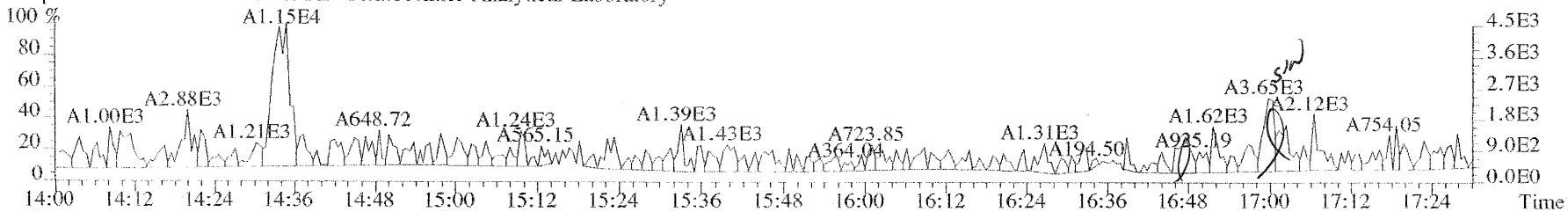
PCB-188	*	*	n	NotFnd	1.16	*		500	484	6.28			
13C-PCB-188	1.39e+07	1.09	y	39:45	0.93	9510					95.1	1.77e+06	1.61e+06
PCB-184	8.86e+06	1.08	y	40:11	1.25	5270		-	-	*			
PCB-179	1.94e+05	1.04	y	40:55	1.20	119		-	-	*			
PCB-176	6.12e+04	1.11	y	41:22	1.15	39.3		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		500	484	5.59			
PCB-178	6.49e+04	1.05	y	42:23	0.85	56.4		-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*		500	484	7.38			
PCB-187	3.82e+05	1.18	y	42:52	0.95	297		-	-	*		Co-elute PCB 182	
PCB-182	3.82e+05	1.18	y	42:52	0.95	297		-	-	*		Co-elute PCB 187	
PCB-183	1.62e+05	1.00	y	43:10	0.94	127		-	-	*			
PCB-185	3.46e+04	0.97	y	43:48	0.88	29.0		-	-	*			
PCB-174	2.48e+05	1.13	y	44:10	0.87	212		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		500	484	7.40			
PCB-177	1.41e+05	1.13	y	44:24	0.82	127		-	-	*			
PCB-171	6.71e+04	1.05	y	44:43	0.87	57.1		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		500	484	8.22			
PCB-172	1.77e+05	1.04	y	45:27	0.83	158		-	-	*			
PCB-192	6.59e+06	1.08	y	45:39	1.09	4470		-	-	*			
PCB-180	4.47e+05	1.05	y	45:50	0.85	390		-	-	*			
PCB-193	3.58e+04	1.04	y	46:00	1.17	22.5		-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*		500	484	5.81			
PCB-170	1.47e+05	1.17	y	47:07	0.85	128		-	-	*			
PCB-190	4.22e+04	0.97	y	47:16	1.13	27.5		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		500	484	5.09			
13C-PCB-189	1.31e+07	1.11	y	48:26	0.88	9380					93.8	2.18e+06	1.98e+06
PCB-202	*	*	n	NotFnd	1.08	*		272	284	6.04			
PCB-201	*	*	n	NotFnd	1.18	*		272	284	5.51			
PCB-204	1.23e+07	0.92	y	45:27	1.18	11400		-	-	*			
PCB-197	7.49e+04	1.00	y	45:43	1.23	66.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		272	284	5.38			
PCB-198	*	*	n	NotFnd	0.88	*		272	284	7.44			
PCB-199	4.77e+04	0.99	y	47:44	0.90	57.9		-	-	*			
PCB-203	6.32e+04	0.96	y	47:58	0.96	71.7		-	-	*		Co-elute PCB 196	
PCB-196	6.32e+04	0.96	y	47:58	0.96	71.7		-	-	*		Co-elute PCB 203	
13C-PCB-202	9.15e+06	0.92	y	44:51	0.68	8490					84.9	1.04e+06	1.10e+06
13C-PCB-178	9.49e+06	1.11	y	42:23	0.71	8490					84.9	1.17e+06	1.04e+06
13C-PCB-138	1.58e+07	1.29	y	41:35	-	68.1							
PCB-195	4.32e+04	0.95	y	49:04	0.85	23.3		-	-	*			
PCB-194	1.01e+05	0.92	y	49:51	0.96	48.1		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1380	1580	9.52			
13C-PCB-205	2.19e+07	0.90	y	50:07	1.22	11100					111	3.28e+06	3.53e+06
PCB-208	2.17e+04	1.38	y	49:12	1.12	11.1	J	-	-	*			
13C-PCB-208	1.75e+07	0.80	y	49:10	1.00	10700					107	2.92e+06	3.67e+06
PCB-207	8.53e+04	1.42	y	49:30	1.24	44.5		-	-	*			
PCB-206	2.18e+04	1.47	y	51:19	1.15	14.2	J	-	-	*			
13C-PCB-206	1.34e+07	0.80	y	51:19	0.77	10700					107	1.80e+06	2.20e+06
PCB-209	9.97e+04	1.20	y	52:31	1.24	61.2		-	-	*			
13C-PCB-209	1.32e+07	1.23	y	52:29	0.79	10300					103	2.34e+06	1.91e+06
13C-PCB-194	1.63e+07	0.91	y	49:51	-	66.5							

Analyst: _____ Date: 10/30/20

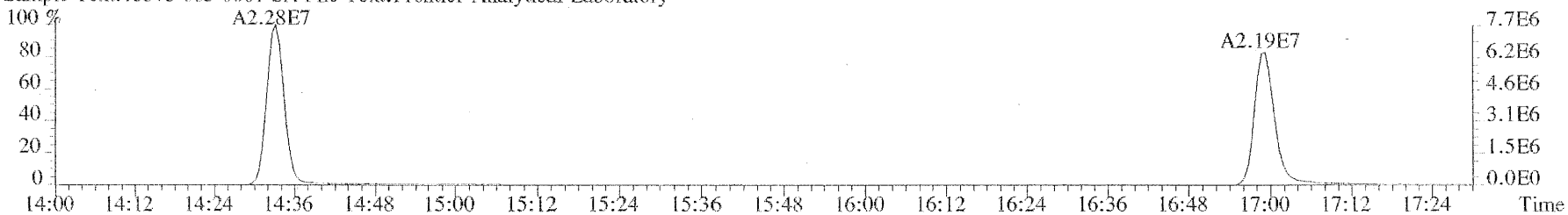
File:26OCT20Z #1-783 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



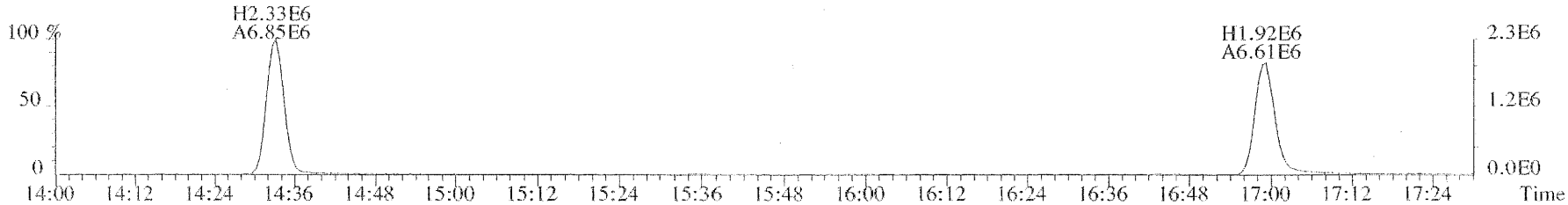
File:26OCT20Z #1-783 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



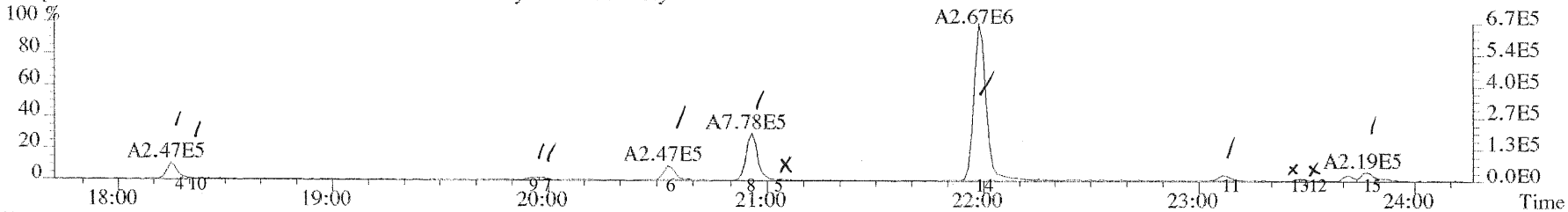
File:26OCT20Z #1-783 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



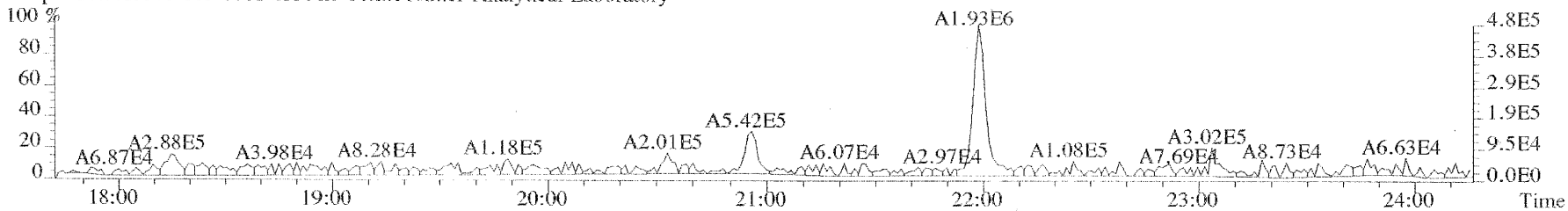
File:26OCT20Z #1-783 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



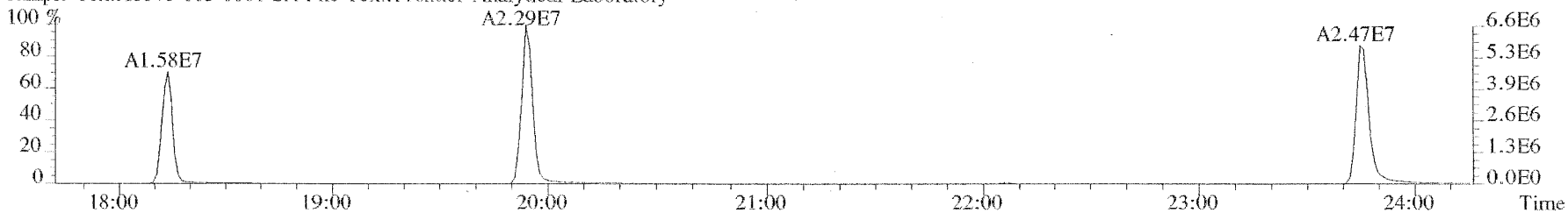
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



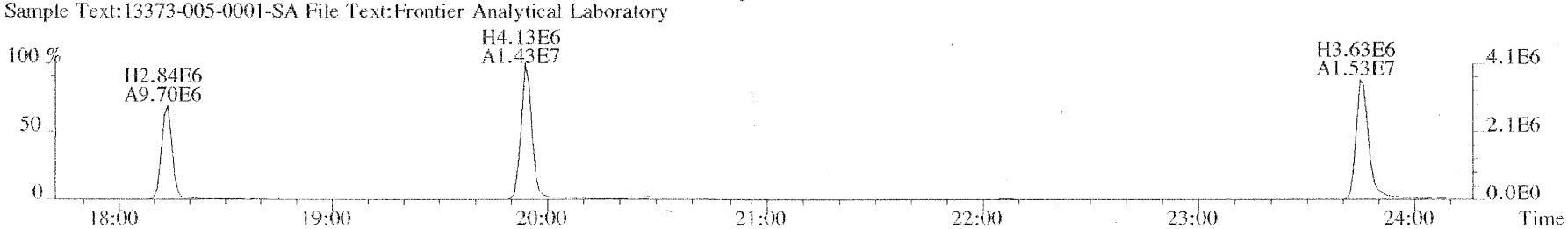
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



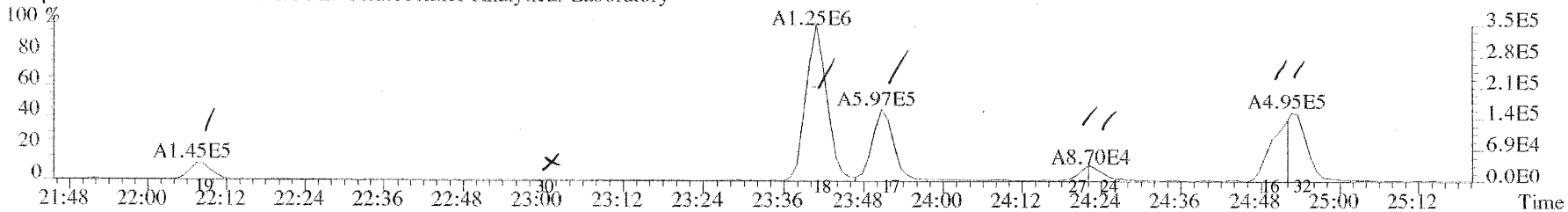
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



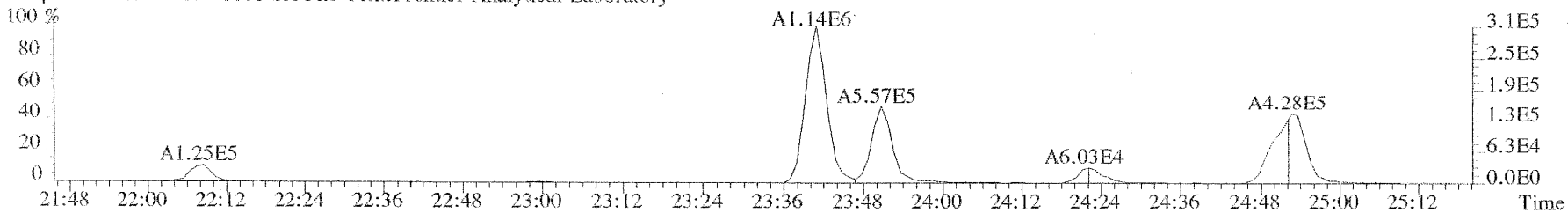
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



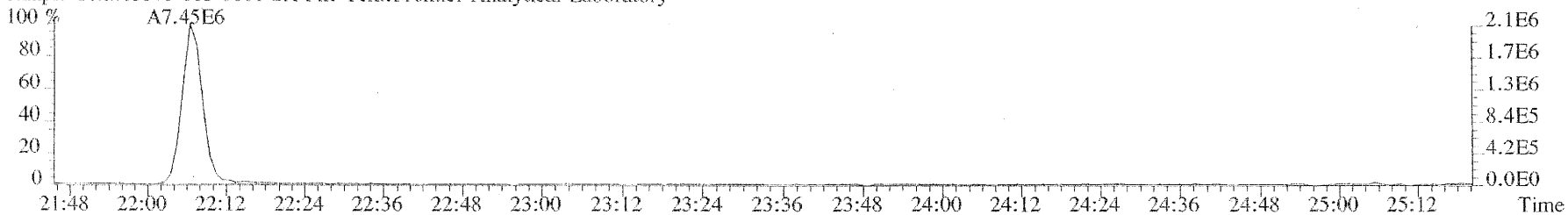
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



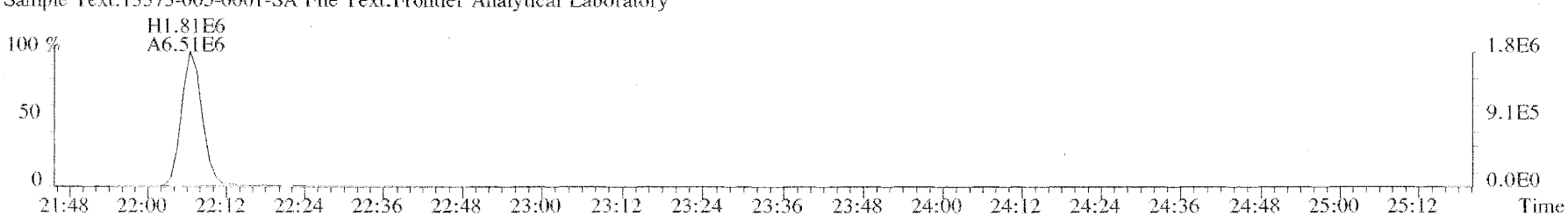
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



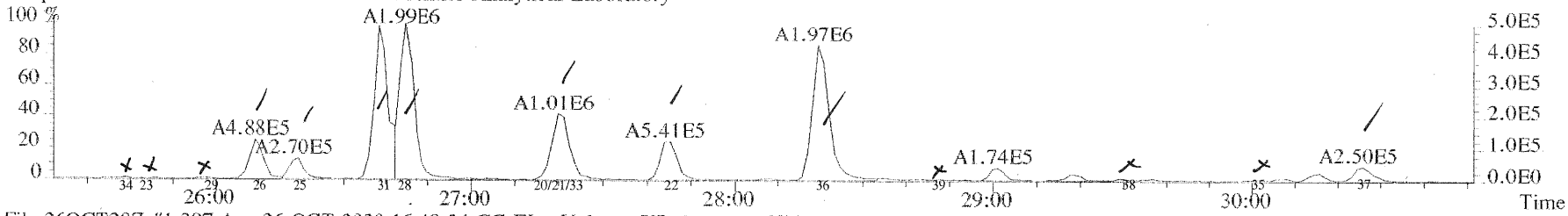
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



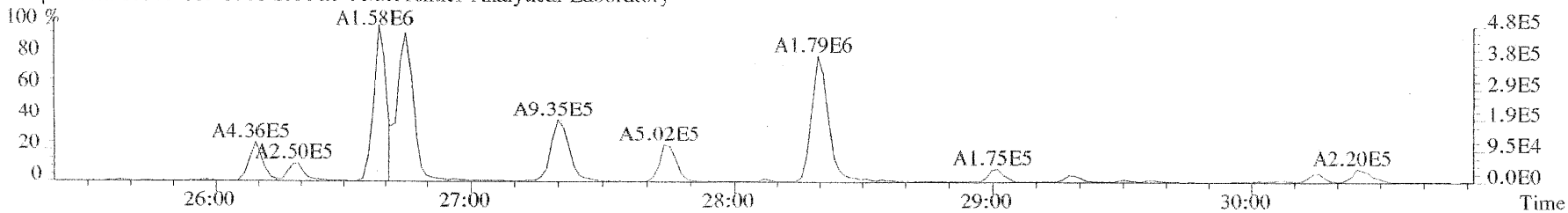
File:26OCT20Z #1-467 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



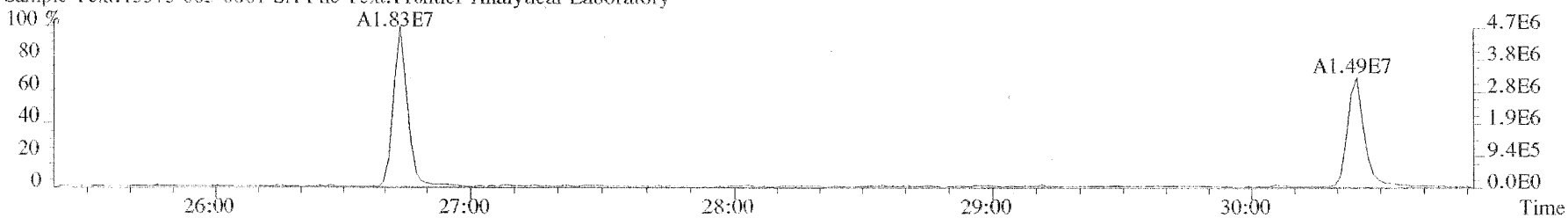
File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



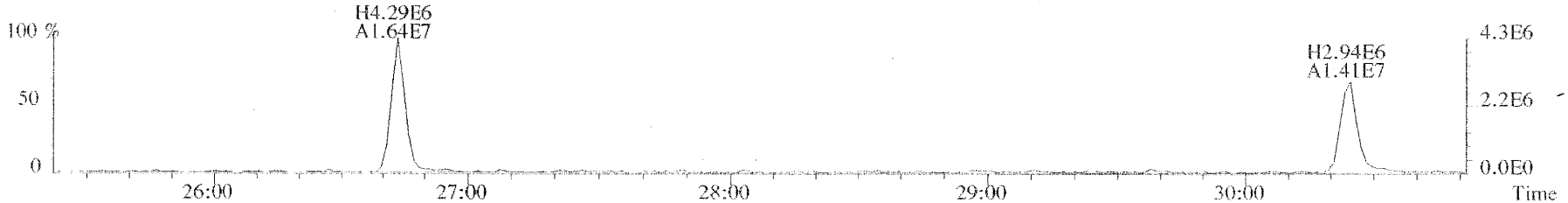
File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



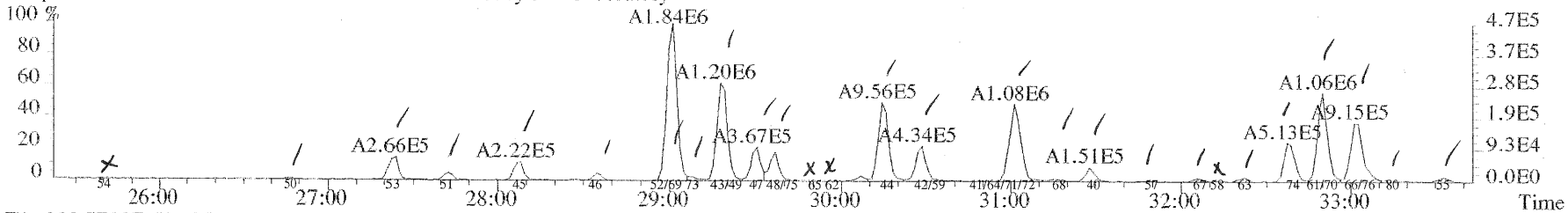
File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



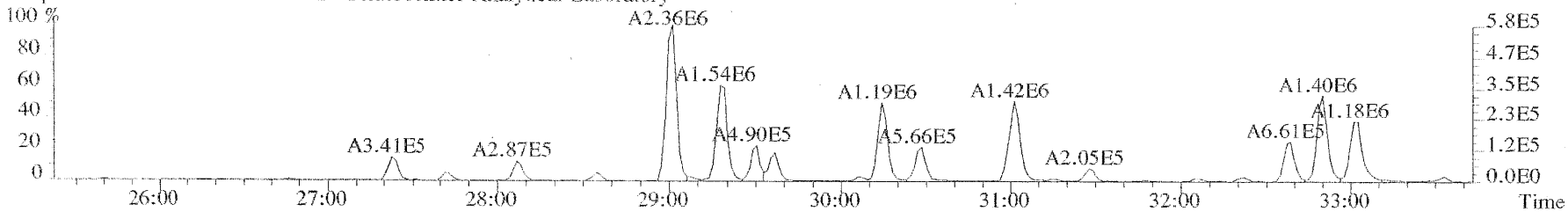
File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
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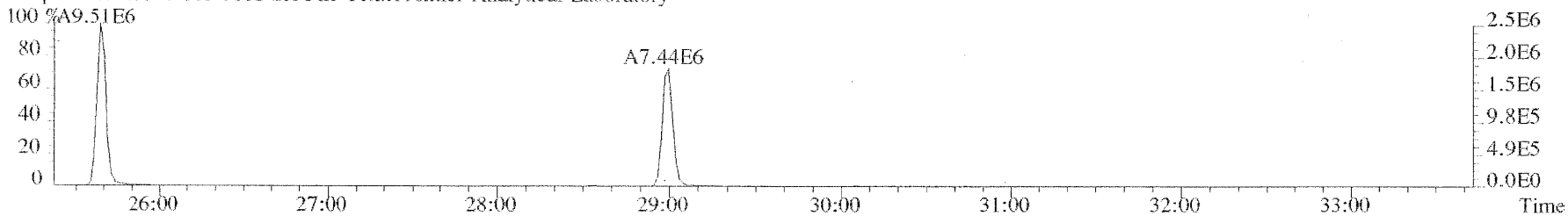
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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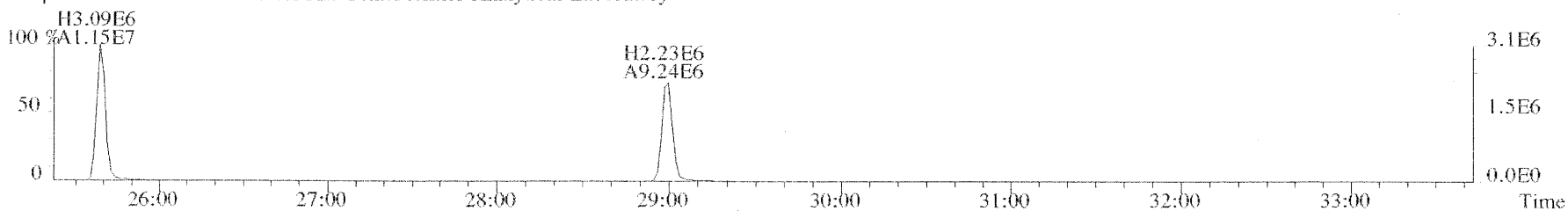
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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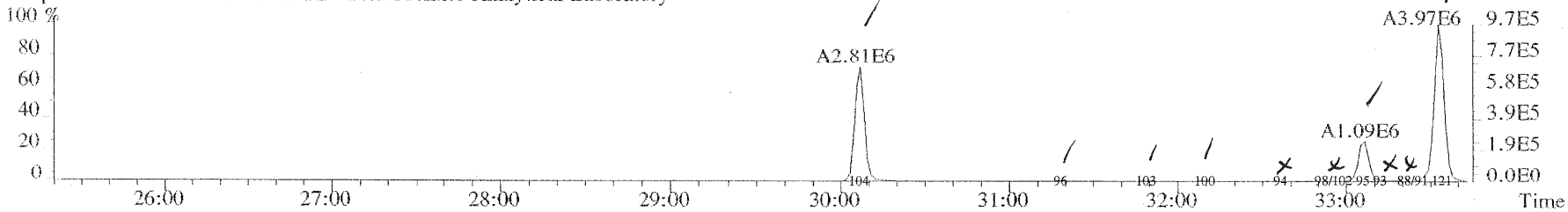
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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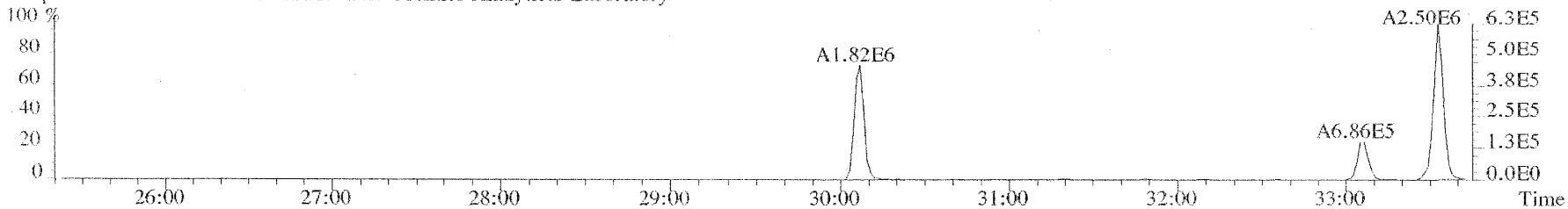

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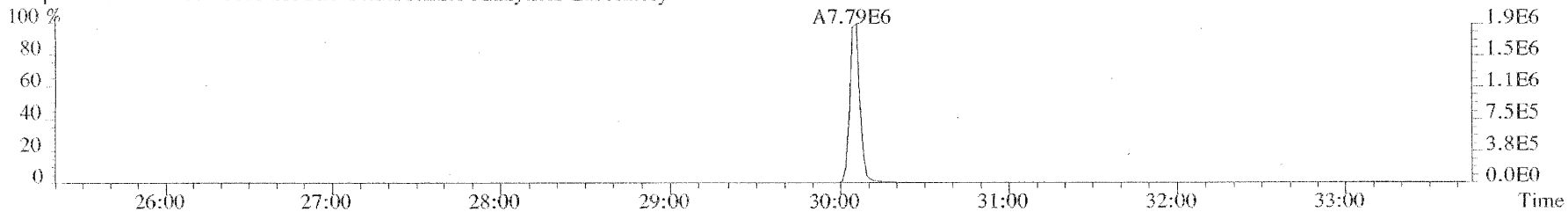
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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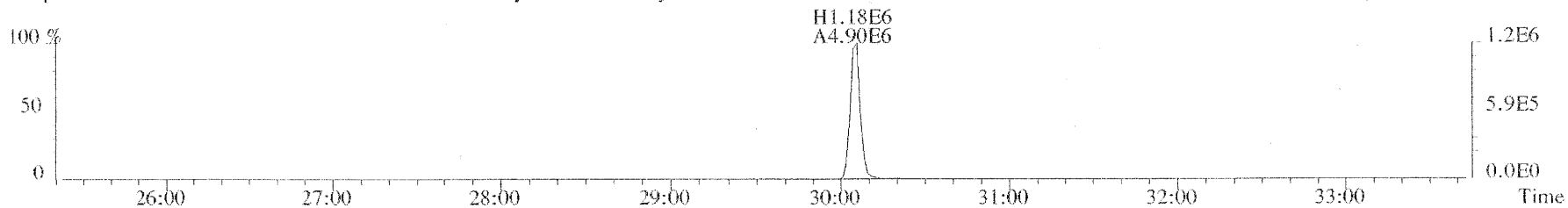
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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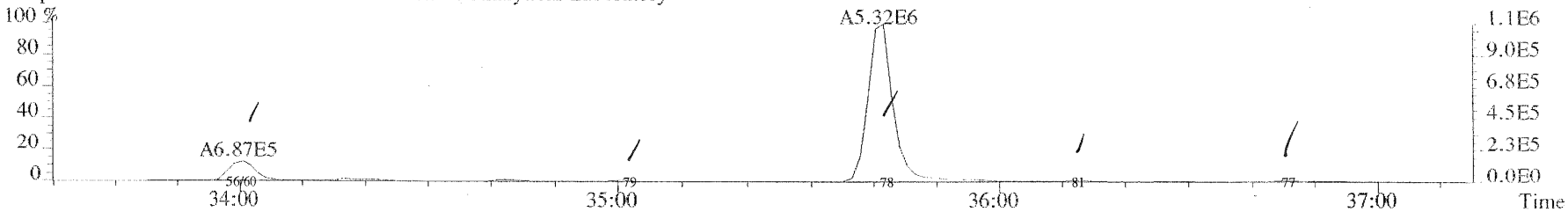

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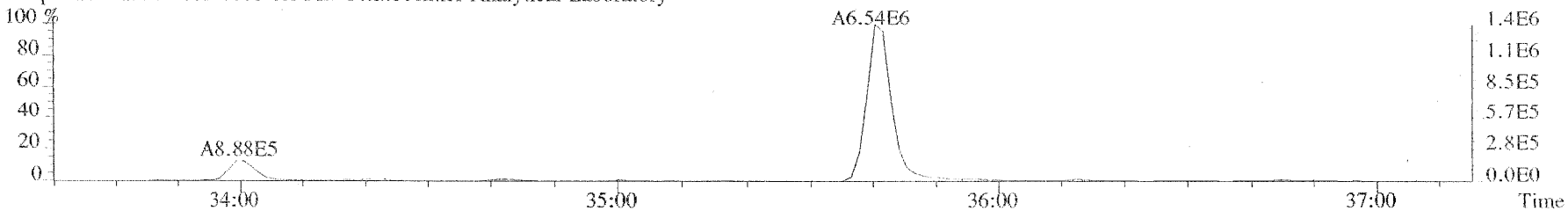

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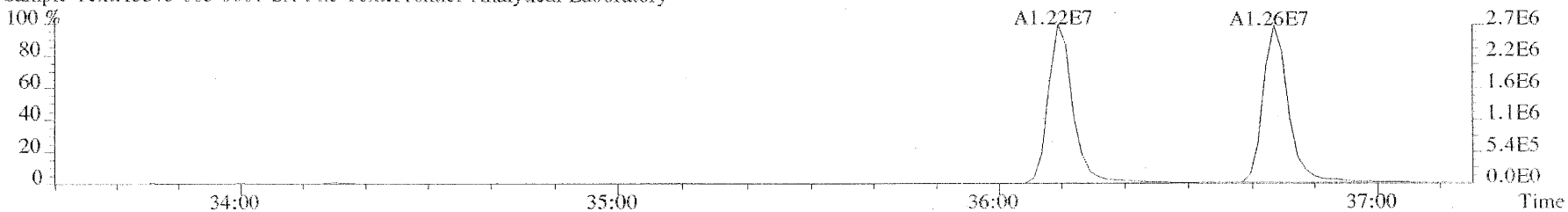
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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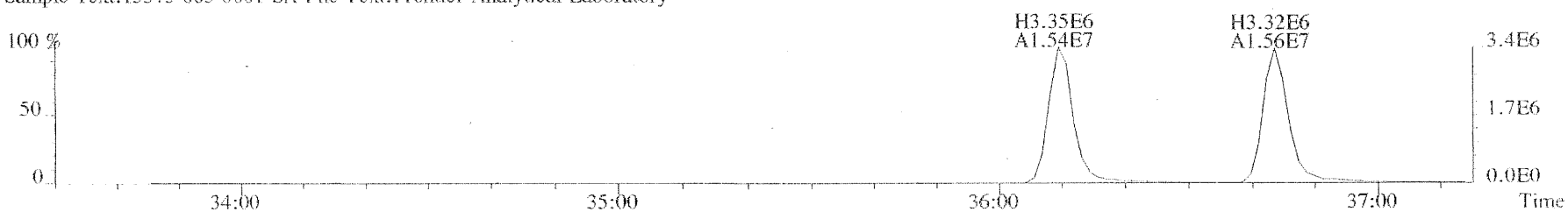
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
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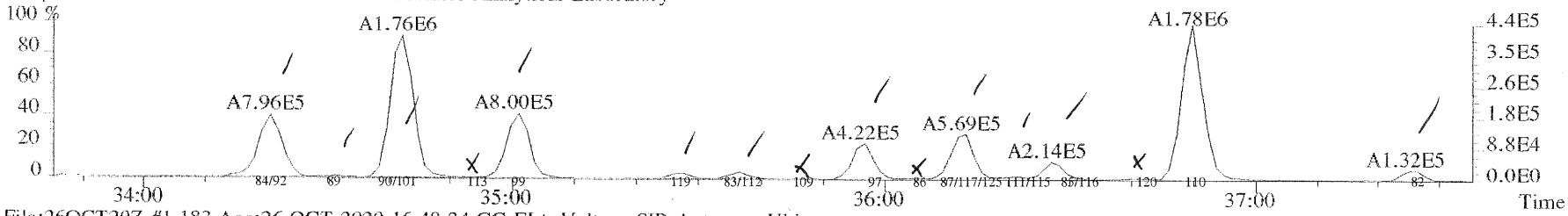
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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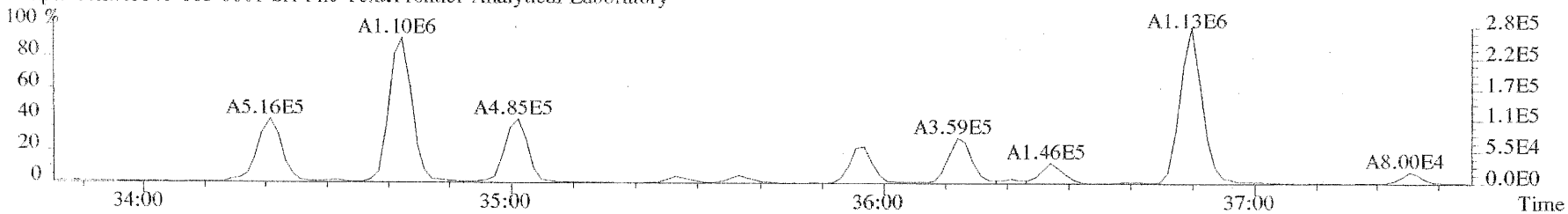
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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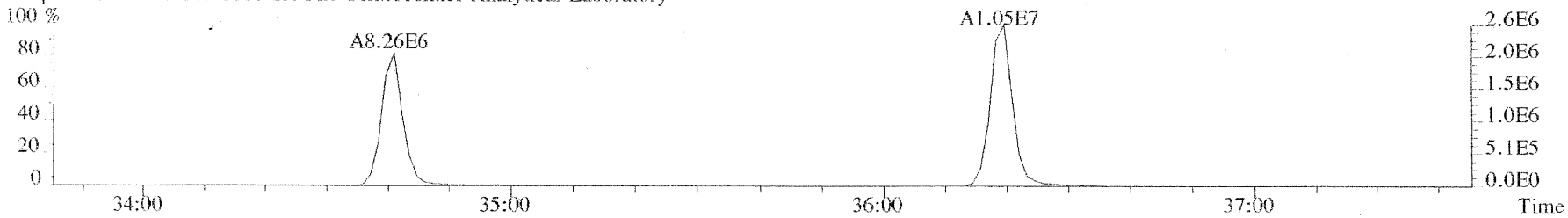
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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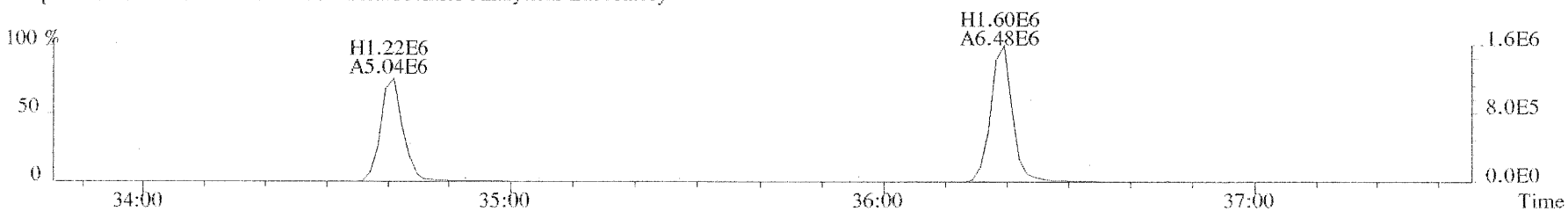
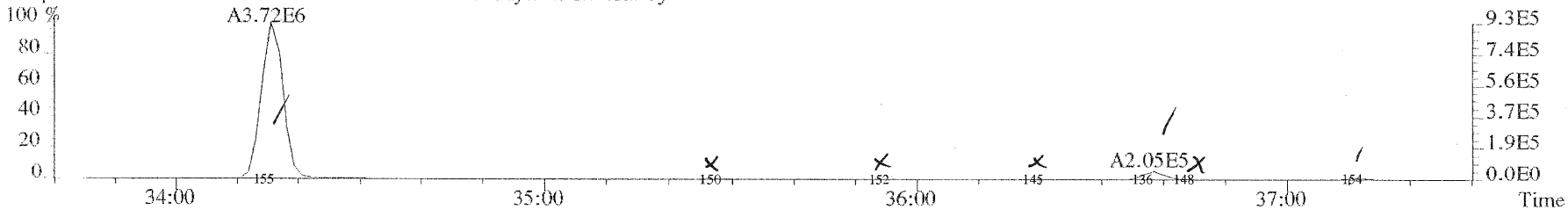
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 16:48:34 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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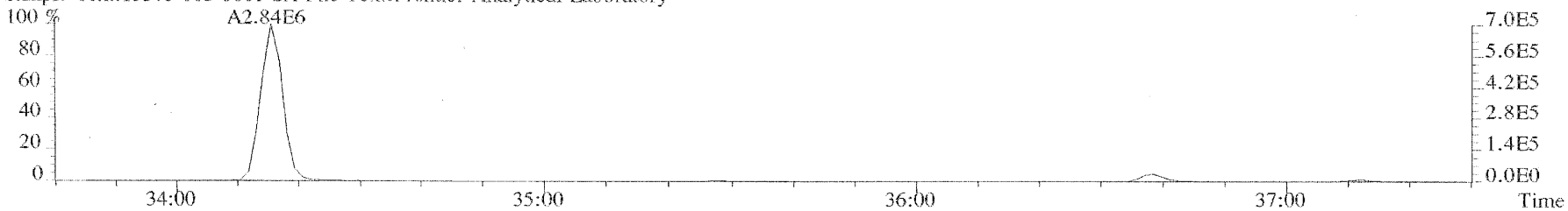
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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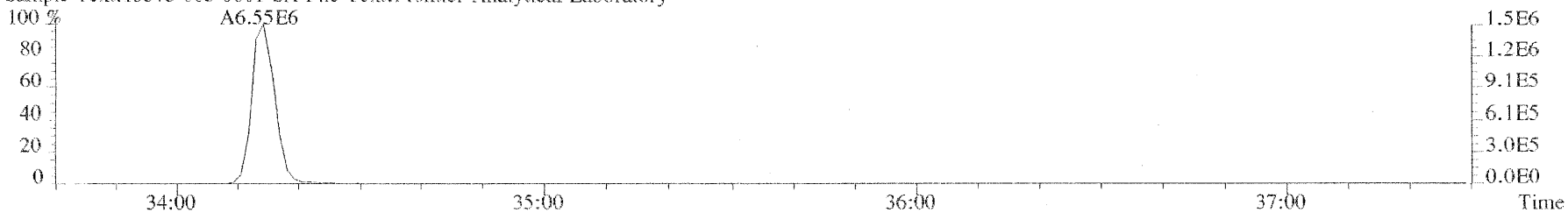
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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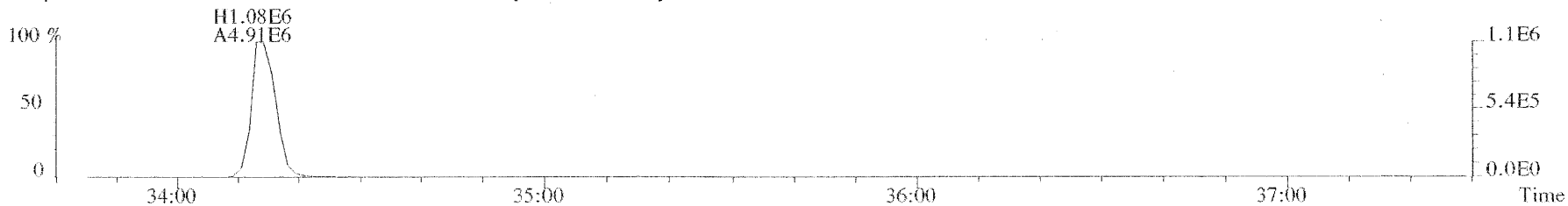
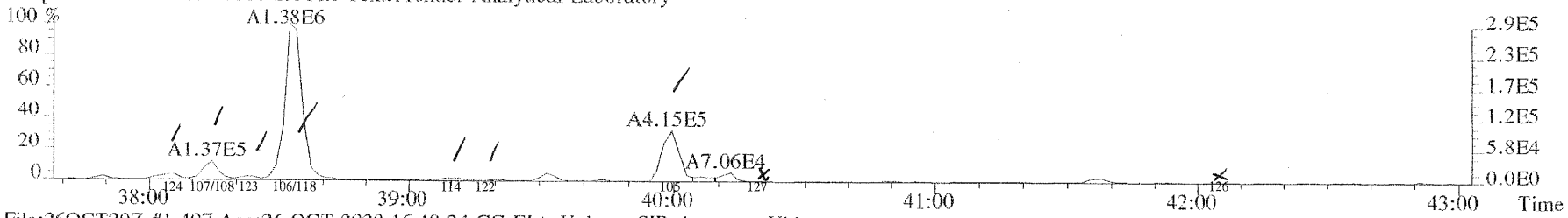
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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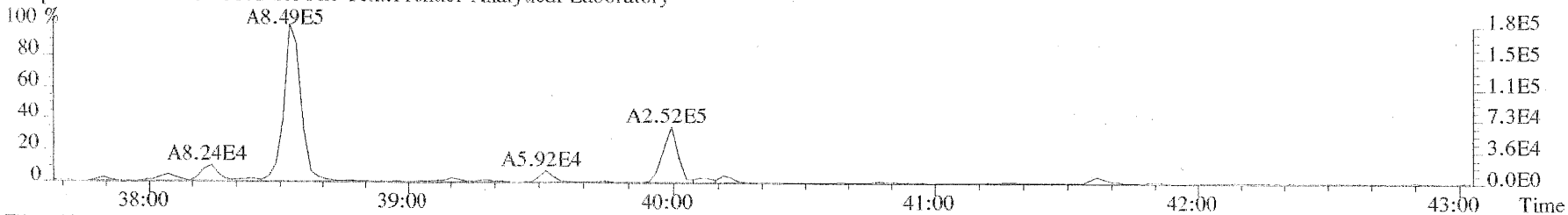

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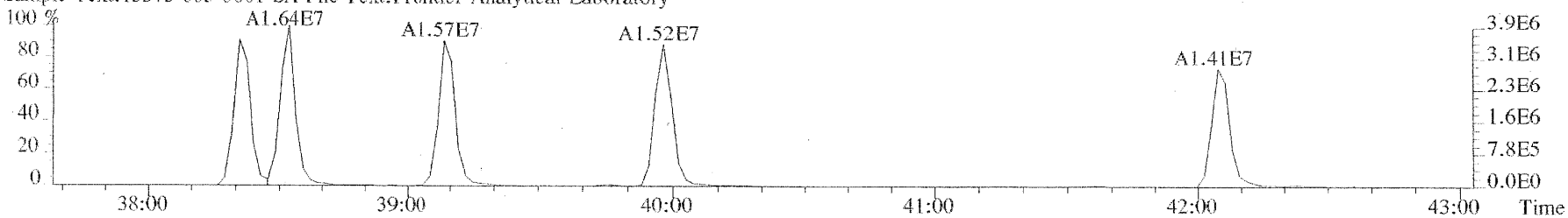

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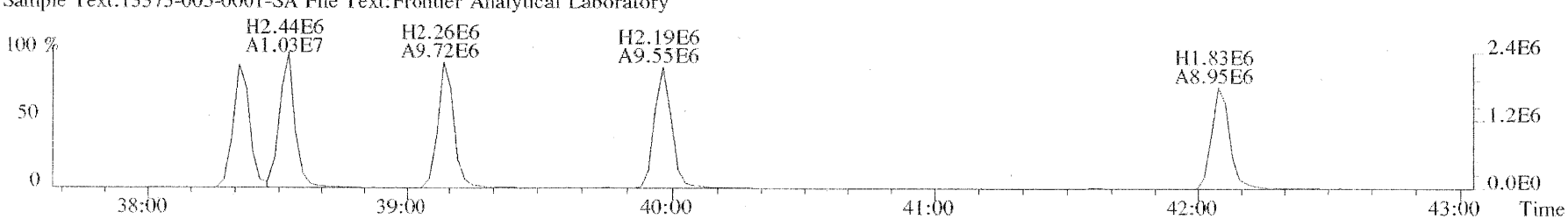

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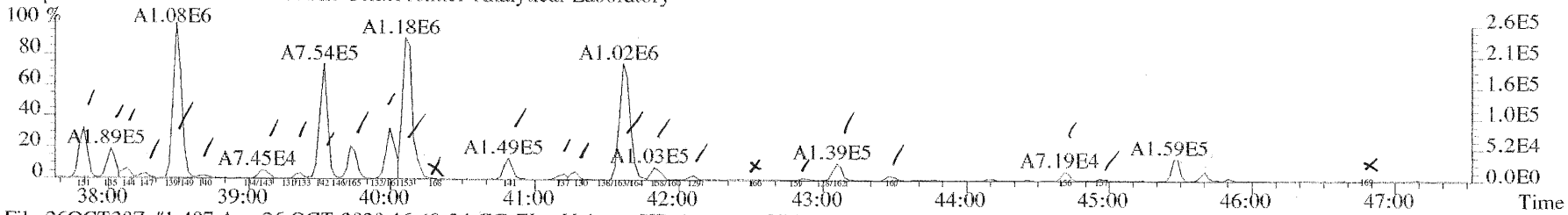
359.8415 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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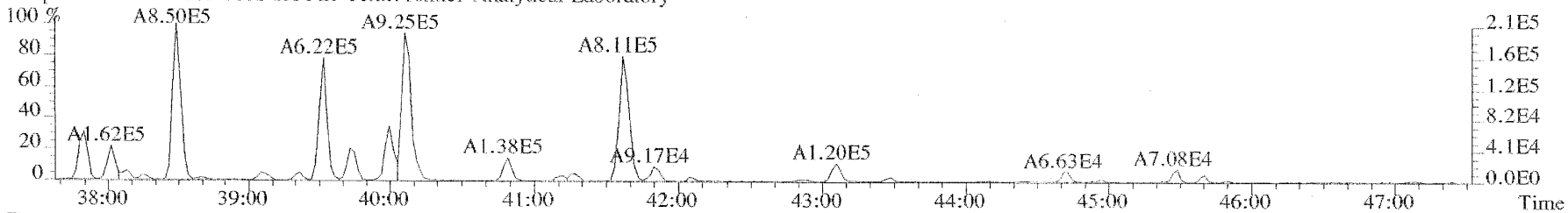
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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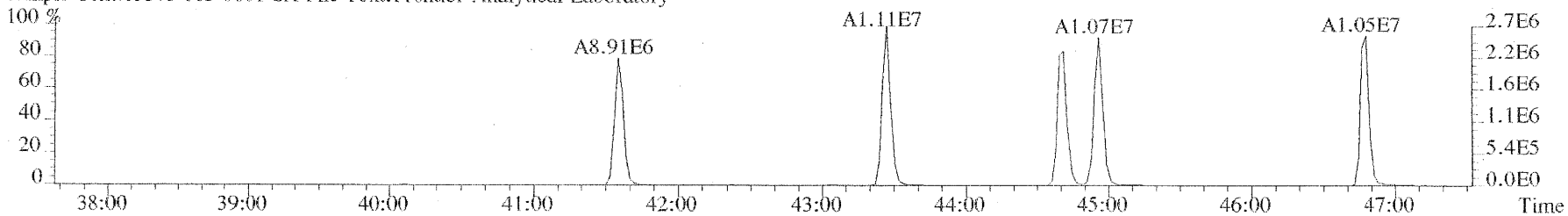

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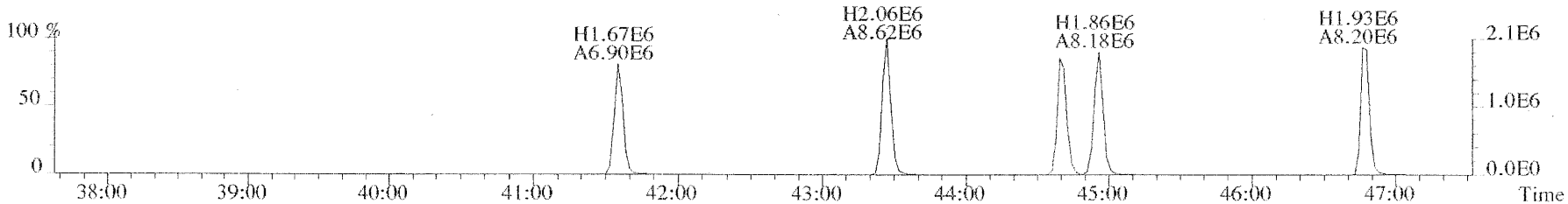
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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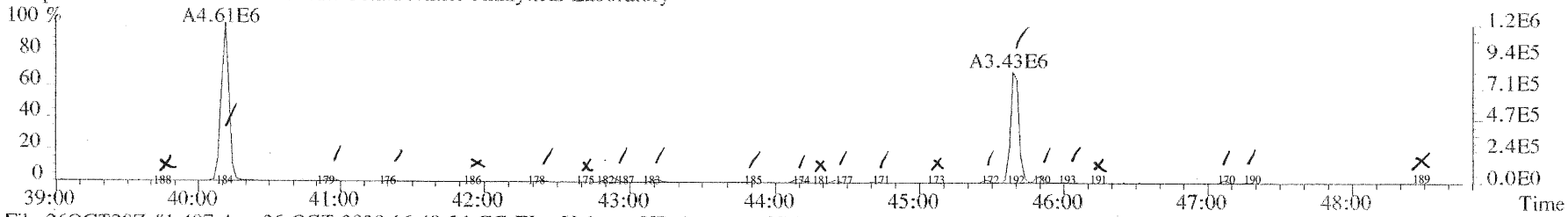

File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
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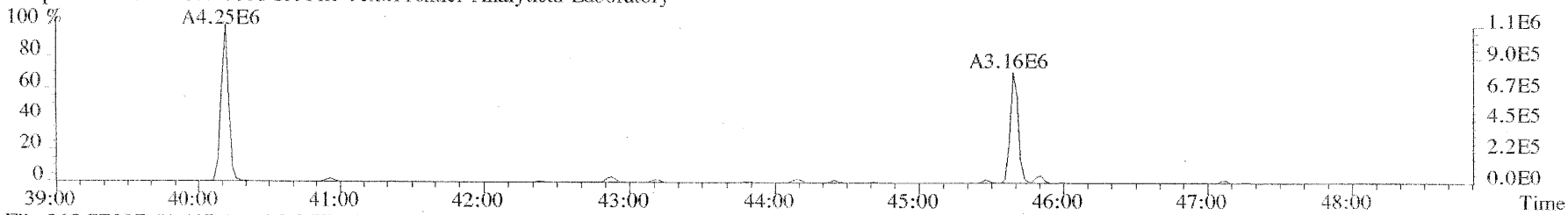

File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
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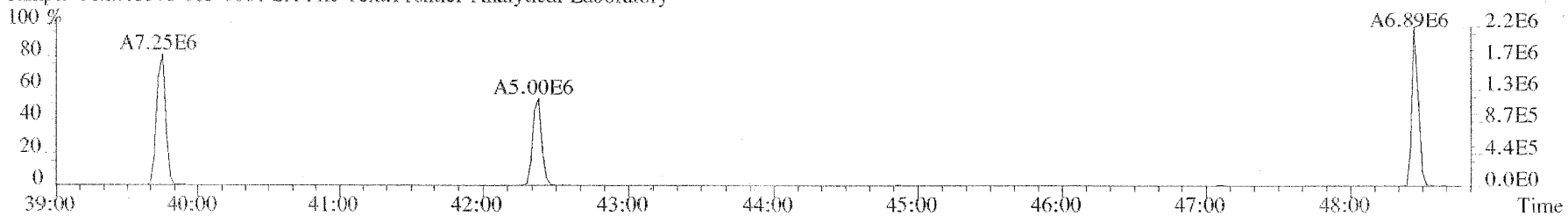

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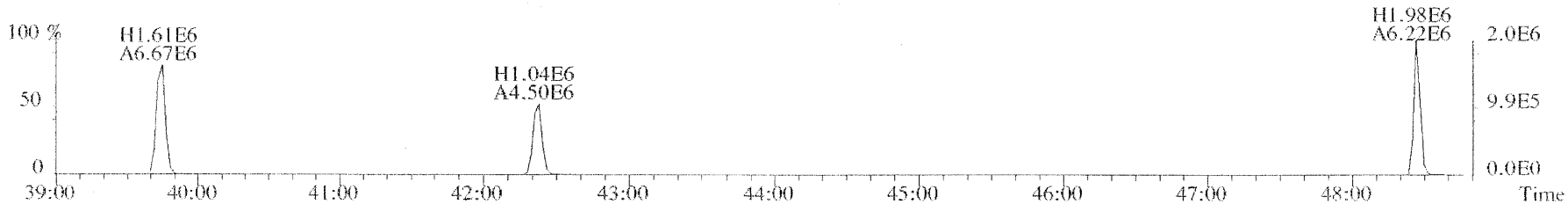

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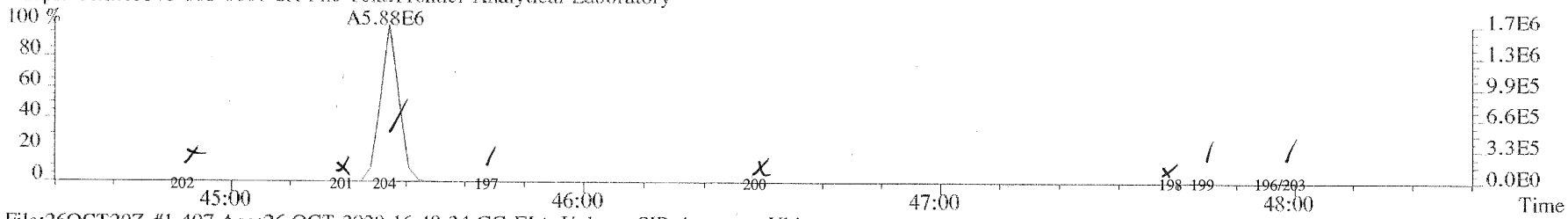
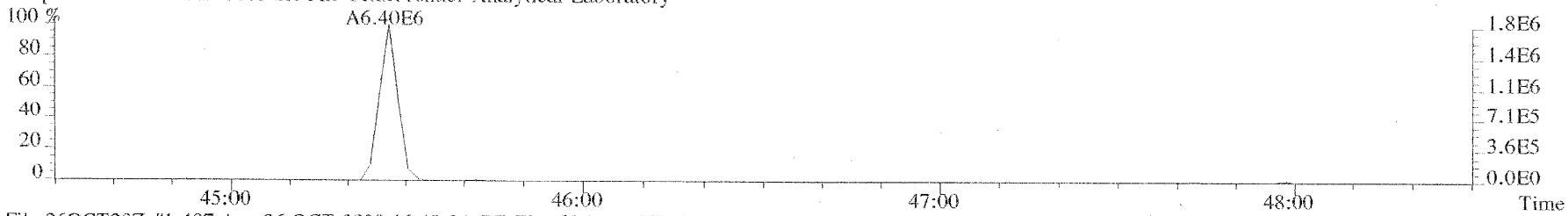
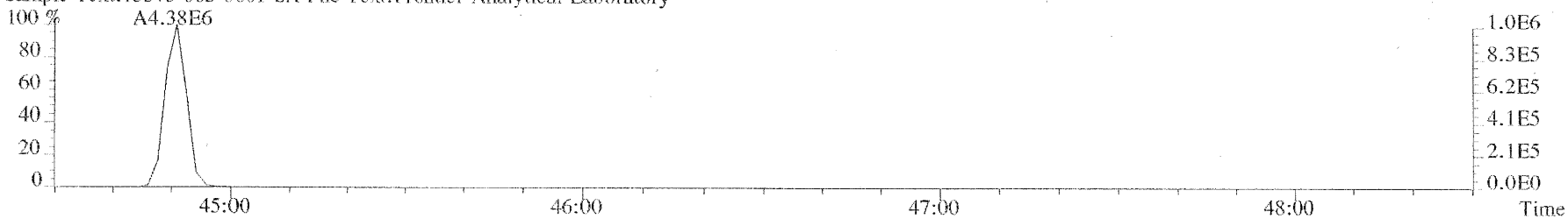


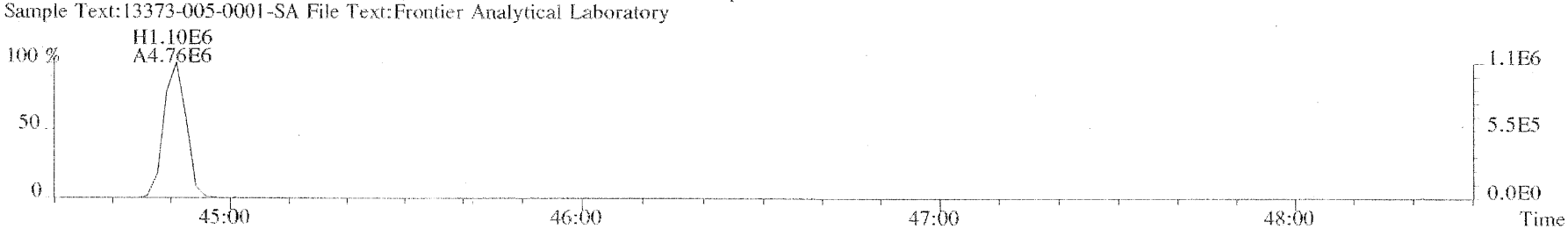
File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



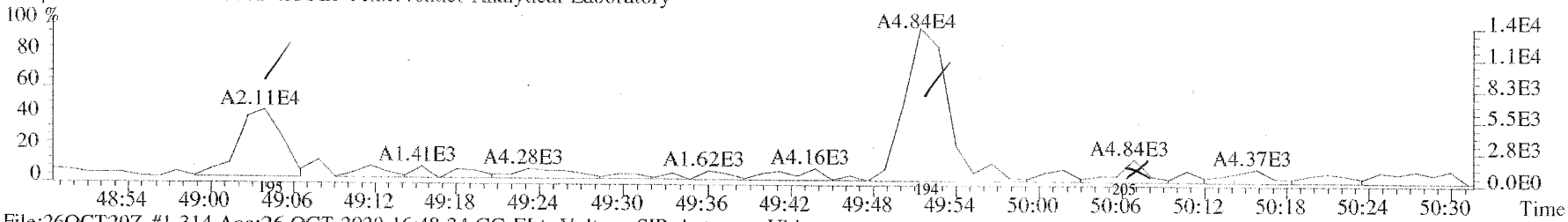
File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



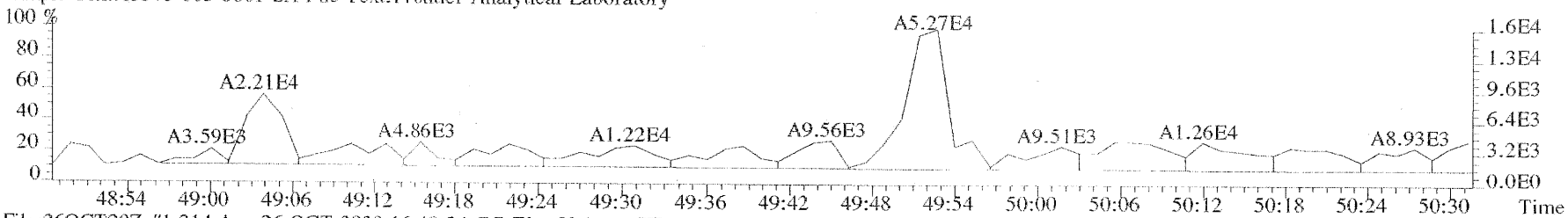
File:26OCT20Z #1-407 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



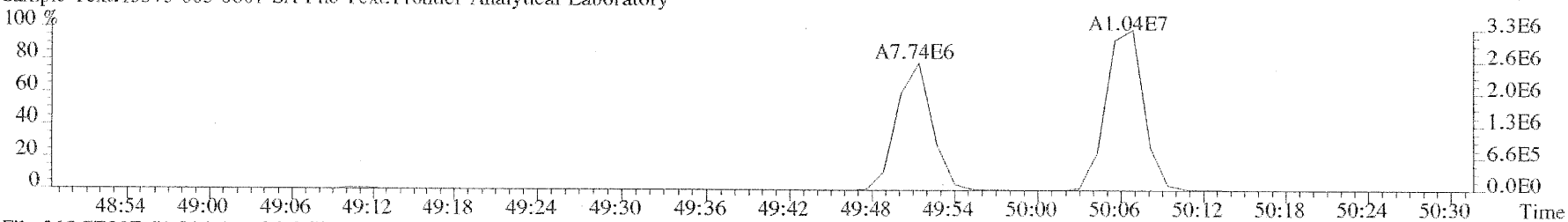
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



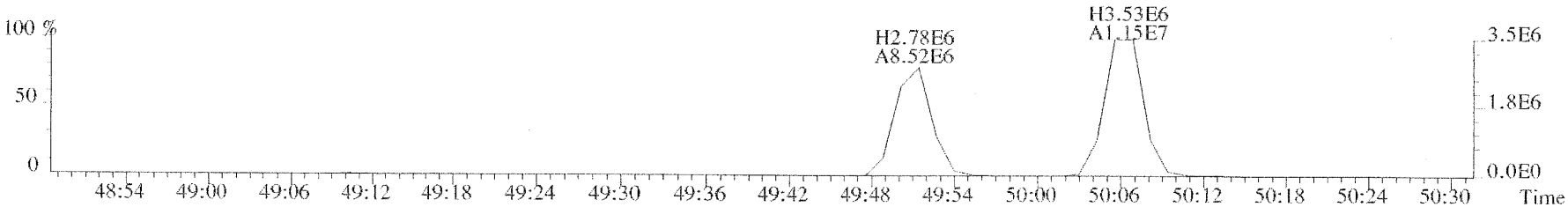
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



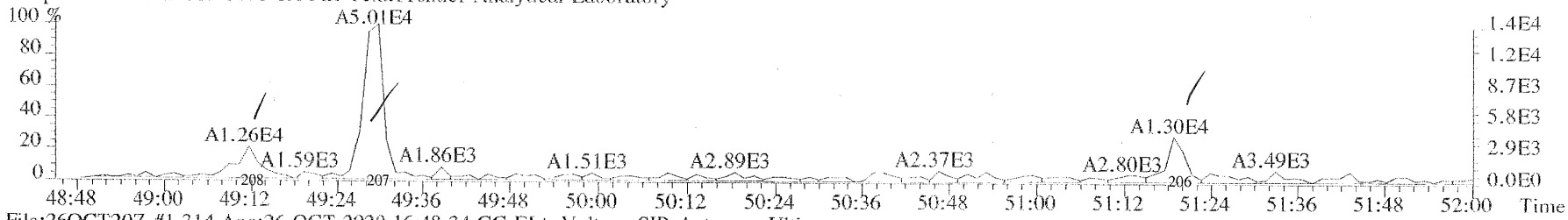
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



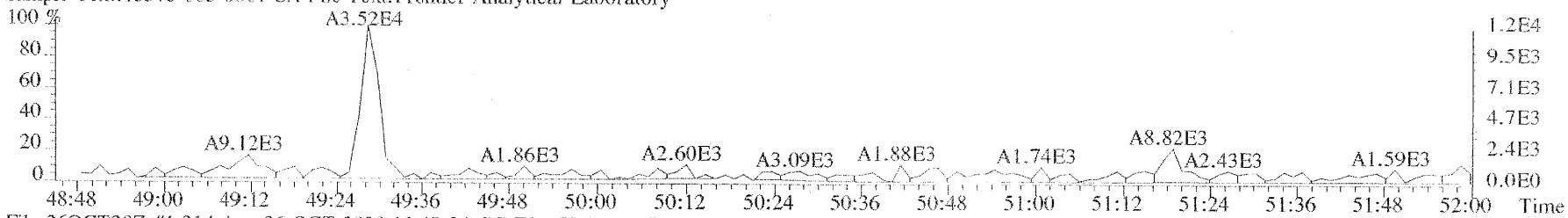
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



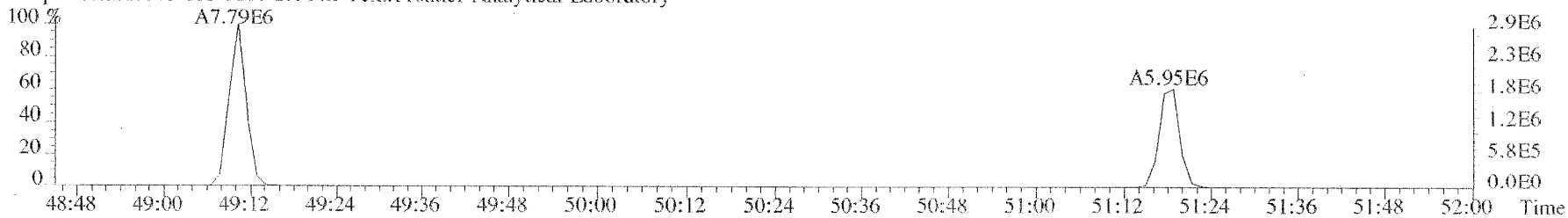
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



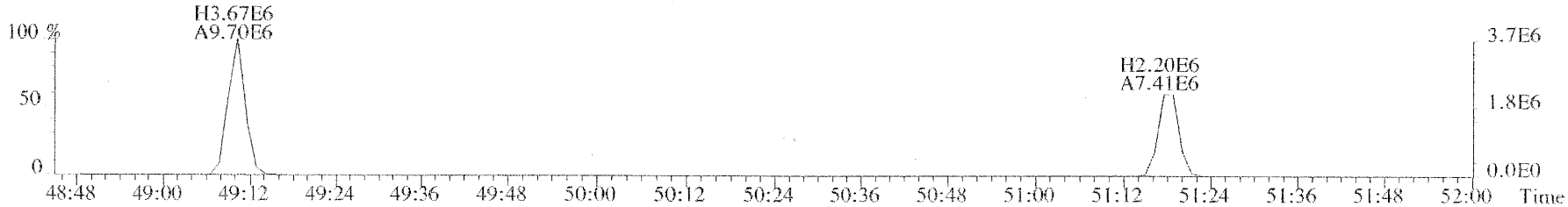
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



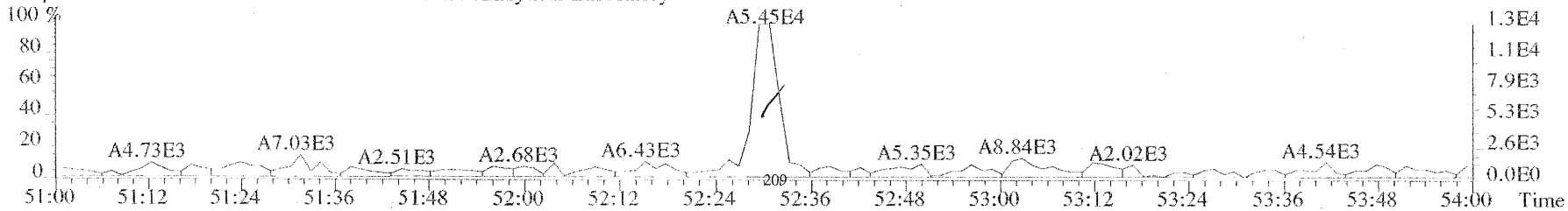
File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



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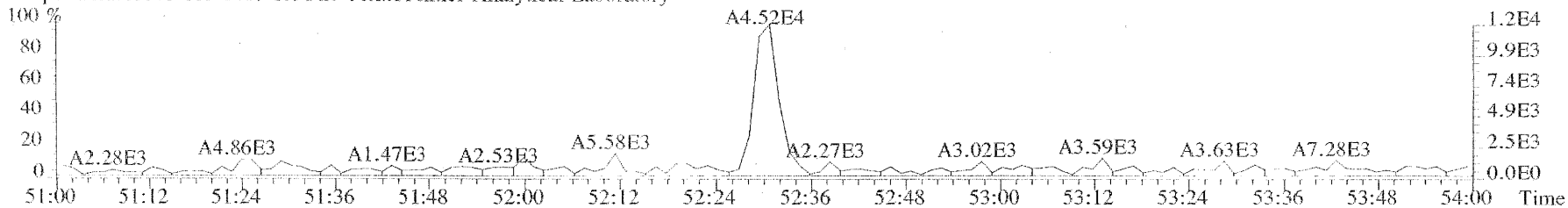
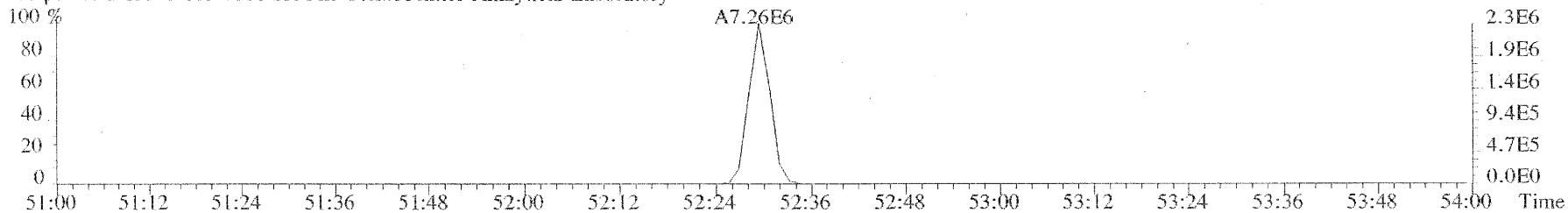
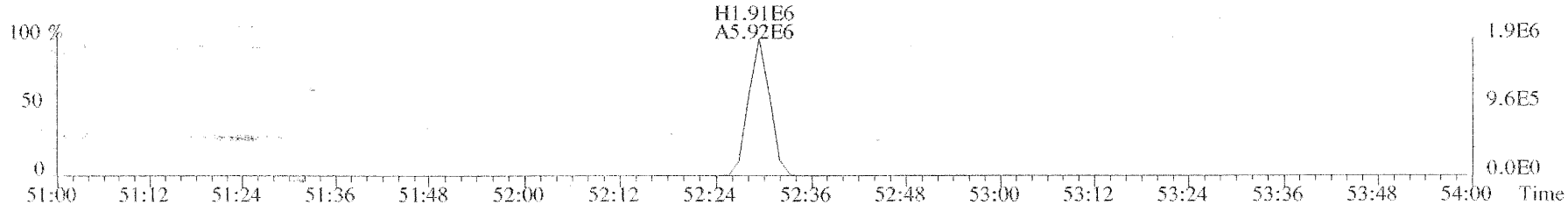
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 16:48:34 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:13373-005-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-006-0001-SA Filename: 26OCT20Z Sam:9 Acquired: 26-OCT-20 17:46:55 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CB-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	9.42e+04	3.23 y	14:35	1.30	17.2	J	-	-	*			
13C-PCB-1	4.23e+07	3.34 y	14:34	0.83	10500					105	1.11e+07	3.31e+06
PCB-2	*	* n	NotFnd	1.33	*		1240	1040	3.24			
PCB-3	*	* n	NotFnd	1.34	*		1240	1040	3.49			
13C-PCB-3	4.02e+07	3.33 y	16:59	0.80	10300					103	9.37e+06	2.81e+06
PCB-4	8.56e+05	1.43 y	18:14	1.01	233		-	-	*			
PCB-10	1.03e+05	1.40 y	18:18	1.43	15.6	J	-	-	*			
13C-PCB-4	3.64e+07	1.60 y	18:13	0.64	11800					118	6.89e+06	4.21e+06
PCB-9	2.01e+05	1.40 y	19:56	1.34	32.3		-	-	*			
PCB-7	1.15e+05	1.50 y	19:58	1.40	17.6	J	-	-	*			
PCB-6	8.92e+05	1.49 y	20:33	1.35	143		-	-	*			
PCB-8	2.47e+06	1.36 y	20:56	1.33	400		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		600	4590	7.37			
PCB-14	4.11e+06	1.37 y	21:59	1.37	647		-	-	*			
PCB-11	2.67e+05	1.45 y	23:06	1.34	43.1		-	-	*			
PCB-13	6.63e+04	1.55 y	23:27	1.39	10.3	J	-	-	*			
PCB-12	*	* n	NotFnd	1.30	*		600	4590	7.71			
PCB-15	5.61e+05	1.61 y	23:47	1.24	79.9		-	-	*			
13C-PCB-15	5.65e+07	1.62 y	23:45	1.02	11300					113	8.95e+06	5.61e+06
PCB-19	4.16e+05	1.18 y	22:07	1.31	180		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2310	424	6.38			
PCB-18	4.27e+06	1.09 y	23:41	1.36	1780		-	-	*			
PCB-17	2.13e+06	1.09 y	23:51	1.48	812		-	-	*			
PCB-27	2.32e+05	1.19 y	24:21	1.93	67.9		-	-	*			
PCB-24	2.87e+05	1.16 y	24:22	1.97	82.1		-	-	*			
PCB-16	1.12e+06	0.98 y	24:51	1.66	381		-	-	*			
PCB-32	1.73e+06	1.17 y	24:53	1.65	594		-	-	*			
13C-PCB-19	1.77e+07	1.13 y	22:06	0.40	9110					91.1	2.88e+06	2.49e+06
13C-PCB-9	4.87e+07	1.63 y	19:54	-	89.8							
PCB-34	7.20e+04	1.02 y	25:37	1.16	18.1	J	-	-	*			
PCB-23	*	* n	NotFnd	1.15	*		1240	1530	8.08			
PCB-29	6.37e+04	1.09 y	25:58	1.19	15.5	J	-	-	*			
PCB-26	1.75e+06	1.08 y	26:09	1.17	434		-	-	*			
PCB-25	9.69e+05	1.13 y	26:18	1.14	247		-	-	*			
PCB-31	6.00e+06	1.14 y	26:38	1.18	1480		-	-	*			
PCB-28	6.94e+06	1.03 y	26:44	1.34	1500		-	-	*			
PCB-20	3.39e+06	1.08 y	27:21	1.12	880		-	-	*		Co-elute PCB 21/33	
PCB-21	3.39e+06	1.08 y	27:21	1.12	880		-	-	*		Co-elute PCB 20/33	
PCB-33	3.39e+06	1.08 y	27:21	1.12	880		-	-	*		Co-elute PCB 20/21	
PCB-22	1.83e+06	1.14 y	27:45	1.22	437		-	-	*			
PCB-36	2.97e+06	1.11 y	28:19	1.17	738		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1240	1530	7.59			
PCB-38	9.01e+04	1.03 y	29:31	1.28	20.4		-	-	*			
PCB-35	6.74e+04	1.18 y	30:00	1.22	16.1	J	-	-	*			
PCB-37	7.00e+05	1.10 y	30:26	1.20	169		-	-	*			
13C-PCB-37	3.44e+07	1.09 y	30:23	1.83	8360					83.6	3.94e+06	3.55e+06

PCB-54	4.25e+04	0.77	y	25:40	1.30	11.5	J	-	-	*			
PCB-50	5.33e+04	0.69	y	26:47	1.04	18.2	J	-	-	*			
PCB-53	1.04e+06	0.76	y	27:22	1.02	361		-	-	*			
PCB-51	3.46e+05	0.75	y	27:43	1.08	113		-	-	*			
PCB-45	8.47e+05	0.81	y	28:07	0.91	330		-	-	*			
PCB-46	3.35e+05	0.77	y	28:34	0.89	133		-	-	*			
PCB-52	7.21e+06	0.76	y	29:01	1.15	2210		-	-	*	Co-elute PCB 69		
PCB-69	7.21e+06	0.76	y	29:01	1.15	2210		-	-	*	Co-elute PCB 52		
PCB-73	1.17e+05	0.75	y	29:07	1.28	32.3		-	-	*			
PCB-43	4.68e+06	0.77	y	29:19	1.00	1650		-	-	*	Co-elute PCB 49		
PCB-49	4.68e+06	0.77	y	29:19	1.00	1650		-	-	*	Co-elute PCB 43		
PCB-47	1.53e+06	0.79	y	29:30	1.03	524		-	-	*			
PCB-48	1.27e+06	0.80	y	29:38	1.34	336		-	-	*	Co-elute PCB 75		
PCB-75	1.27e+06	0.80	y	29:38	1.34	336		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		1020	2210	7.81			
PCB-62	*	*	n	NotFnd	1.35	*		1020	2210	7.89			
PCB-44	3.82e+06	0.78	y	30:16	0.90	1500		-	-	*			
PCB-42	1.65e+06	0.76	y	30:28	1.12	516		-	-	*	Co-elute PCB 59		
PCB-59	1.65e+06	0.76	y	30:28	1.12	516		-	-	*	Co-elute PCB 42		
PCB-72	4.23e+06	0.77	y	31:01	1.26	1190		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.23e+06	0.77	y	31:01	1.26	1190		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.23e+06	0.77	y	31:01	1.26	1190		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.23e+06	0.77	y	31:01	1.26	1190		-	-	*	Co-elute PCB 72/41/71		
PCB-68	8.98e+04	0.77	y	31:16	1.47	21.6		-	-	*			
PCB-40	5.64e+05	0.88	y	31:28	0.80	250		-	-	*			
PCB-57	4.16e+04	0.72	y	31:49	1.38	10.6	J	-	-	*			
PCB-67	1.64e+05	0.71	y	32:07	1.39	41.5		-	-	*			
PCB-58	4.13e+04	0.85	y	32:11	1.37	10.6	J	-	-	*			
PCB-63	2.01e+05	0.76	y	32:22	1.41	50.2		-	-	*			
PCB-74	2.01e+06	0.80	y	32:38	1.38	512		-	-	*			
PCB-61	4.41e+06	0.78	y	32:50	1.26	1230		-	-	*	Co-elute PCB 70		
PCB-70	4.41e+06	0.78	y	32:50	1.26	1230		-	-	*	Co-elute PCB 61		
PCB-76	3.60e+06	0.75	y	33:01	1.41	898		-	-	*	Co-elute PCB 66		
PCB-66	3.60e+06	0.75	y	33:01	1.41	898		-	-	*	Co-elute PCB 76		
PCB-80	1.09e+05	0.66	y	33:13	1.56	24.5		-	-	*			
PCB-55	1.99e+05	0.79	y	33:33	1.33	52.9		-	-	*			
13C-PCB-54	2.84e+07	0.81	y	25:39	1.12	11200					112	3.41e+06	4.16e+06
PCB-104	3.82e+06	1.58	y	30:07	1.20	1780		-	-	*			
PCB-96	4.46e+04	1.55	y	31:19	1.15	21.7		-	-	*			
PCB-103	6.91e+04	1.44	y	31:48	0.99	39.1		-	-	*			
PCB-100	3.61e+04	1.55	y	32:09	0.97	20.8		-	-	*			
PCB-94	2.36e+04	1.57	y	32:35	0.82	16.1	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.81	*		416	420	5.45	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		416	420	5.45	Co-elute PCB 98		
PCB-95	3.04e+06	1.63	y	33:06	0.88	1930		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		416	420	5.15			
PCB-88	*	*	n	NotFnd	0.86	*		416	420	5.10	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		416	420	5.10	Co-elute PCB 88		
PCB-121	6.56e+06	1.61	y	33:33	1.17	3140		-	-	*			
13C-PCB-104	1.78e+07	1.61	y	30:05	0.79	9990					99.9	2.95e+06	1.80e+06
13C-PCB-28	4.62e+07	1.08	y	26:43	2.03	10100					101	5.33e+06	4.99e+06
13C-PCB-52	2.25e+07	0.80	y	29:00	-	87.5							

PCB-56	2.69e+06	0.82	y	34:00	1.15	598		-	-	*			Co-elute PCB 60
PCB-60	2.69e+06	0.82	y	34:00	1.15	598		-	-	*			Co-elute PCB 56
PCB-79	1.10e+05	0.67	y	35:01	1.25	22.6		-	-	*			
PCB-78	9.97e+06	0.83	y	35:40	1.20	2110		-	-	*			
PCB-81	1.67e+05	0.87	y	36:13	1.29	32.9		-	-	*			
13C-PCB-81	3.93e+07	0.79	y	36:09	1.82	12200					122	3.82e+06	4.92e+06
PCB-77	2.29e+05	0.68	y	36:45	1.13	51.9		-	-	*			
13C-PCB-77	3.90e+07	0.79	y	36:43	1.87	11900					119	3.68e+06	4.69e+06
PCB-155	6.75e+06	1.32	y	34:16	1.12	3750		-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*		660	696	7.67			
PCB-152	*	*	n	NotFnd	1.06	*		660	696	7.97			
PCB-145	*	*	n	NotFnd	1.07	*		660	696	7.90			
PCB-136	4.74e+05	1.31	y	36:38	1.08	272		-	-	*			
PCB-148	*	*	n	NotFnd	0.76	*		660	696	11.1			
PCB-154	5.95e+04	1.30	y	37:11	0.93	39.8		-	-	*			
13C-PCB-155	1.61e+07	1.31	y	34:14	1.04	8830					88.3	2.26e+06	1.74e+06
13C-PCB-111	2.28e+07	1.61	y	36:18	1.29	10100					101	3.22e+06	2.00e+06
13C-PCB-101	1.76e+07	1.63	y	34:41	-	82.3							
PCB-84	2.10e+06	1.58	y	34:21	0.66	891		-	-	*			Co-elute PCB 92
PCB-92	2.10e+06	1.58	y	34:21	0.66	891		-	-	*			Co-elute PCB 84
PCB-89	8.01e+04	1.54	y	34:31	0.67	33.5		-	-	*			
PCB-90	4.67e+06	1.62	y	34:42	0.75	1760		-	-	*			Co-elute PCB 101
PCB-101	4.67e+06	1.62	y	34:42	0.75	1760		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		920	930	6.56			
PCB-99	2.14e+06	1.54	y	35:01	0.83	730		-	-	*			
PCB-119	2.42e+05	1.35	y	35:36	0.99	69.2		-	-	*			
PCB-83	2.42e+05	1.35	y	35:36	0.78	87.0		-	-	*			Co-elute PCB 112
PCB-112	2.42e+05	1.35	y	35:36	0.78	87.0		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		920	930	6.15			
PCB-97	1.20e+06	1.57	y	35:57	0.64	531		-	-	*			
PCB-86	*	*	n	NotFnd	0.56	*		920	930	10.2			
PCB-125	1.62e+06	1.57	y	36:12	0.89	512		-	-	*			Co-elute PCB 87/117
PCB-87	1.62e+06	1.57	y	36:12	0.89	512		-	-	*			Co-elute PCB 125/117
PCB-117	1.62e+06	1.57	y	36:12	0.89	512		-	-	*			Co-elute PCB 125/87
PCB-111	9.69e+04	1.61	y	36:21	0.95	28.8		-	-	*			Co-elute PCB 115
PCB-115	9.69e+04	1.61	y	36:21	0.95	28.8		-	-	*			Co-elute PCB 111
PCB-85	5.92e+05	1.64	y	36:27	0.84	198		-	-	*			Co-elute PCB 116
PCB-116	5.92e+05	1.64	y	36:27	0.84	198		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		920	930	5.67			
PCB-110	4.99e+06	1.58	y	36:50	0.94	1500		-	-	*			
PCB-82	3.41e+05	1.40	y	37:25	0.57	170		-	-	*			
PCB-124	1.88e+05	1.38	y	38:04	1.21	43.7		-	-	*			
PCB-108	7.31e+04	1.44	y	38:22	1.16	17.8	J	-	-	*			Co-elute PCB 107
PCB-107	7.31e+04	1.44	y	38:22	1.16	17.8	J	-	-	*			Co-elute PCB 108
PCB-123	7.31e+04	1.44	y	38:22	1.11	19.9	J	-	-	*			
13C-PCB-123	3.32e+07	1.60	y	38:21	1.40	11300					113	4.64e+06	2.99e+06
PCB-118	3.62e+06	1.63	y	38:32	1.14	834		-	-	*			Co-elute PCB 106
PCB-106	3.62e+06	1.63	y	38:32	1.14	834		-	-	*			Co-elute PCB 118
13C-PCB-118	3.79e+07	1.60	y	38:32	1.51	12000					120	5.10e+06	3.24e+06
PCB-114	1.01e+05	1.37	y	39:10	1.24	22.1		-	-	*			
13C-PCB-114	3.68e+07	1.61	y	39:08	1.49	11800					118	5.48e+06	3.39e+06
PCB-122	4.00e+04	1.61	y	39:18	1.16	9.78	J	-	-	*			
PCB-105	1.20e+06	1.59	y	39:59	1.22	290		-	-	*			
13C-PCB-105	3.38e+07	1.59	y	39:58	1.49	10800					108	4.68e+06	2.93e+06

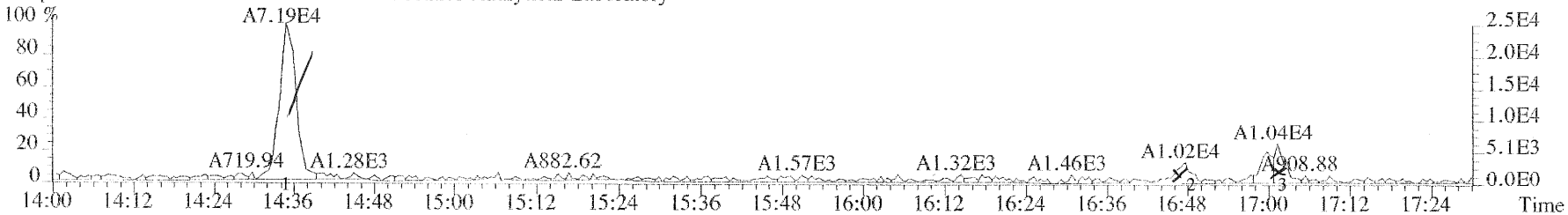
PCB-127	*	*	n	NotFnd	1.17	*		800	1060	4.93			
PCB-126	*	*	n	NotFnd	1.19	*		800	1060	4.99			
13C-PCB-126	3.23e+07	1.60	y	42:05	1.42	10800					108	4.77e+06	3.03e+06
PCB-151	8.53e+05	1.33	y	37:49	0.93	359		-	-	*			
PCB-135	4.66e+05	1.30	y	38:01	0.95	192		-	-	*			
PCB-144	2.01e+05	1.15	y	38:08	0.93	84.5		-	-	*			
PCB-147	7.57e+04	1.33	y	38:14	0.96	30.6		-	-	*			
PCB-139	2.95e+06	1.23	y	38:29	0.98	1170		-	-	*		Co-elute PCB 149	
PCB-149	2.95e+06	1.23	y	38:29	0.98	1170		-	-	*		Co-elute PCB 139	
PCB-140	4.02e+04	1.13	y	38:40	0.97	16.2	J	-	-	*			
PCB-143	1.87e+05	1.21	y	39:07	0.81	90.3		-	-	*		Co-elute PCB 134	
PCB-134	1.87e+05	1.21	y	39:07	0.81	90.3		-	-	*		Co-elute PCB 143	
PCB-131	9.33e+04	1.31	y	39:22	0.83	44.1		-	-	*		Co-elute PCB 133	
PCB-133	9.33e+04	1.31	y	39:22	0.83	44.1		-	-	*		Co-elute PCB 131	
PCB-142	1.31e+06	1.22	y	39:31	0.83	618		-	-	*			
PCB-165	5.32e+05	1.21	y	39:43	1.12	186		-	-	*		Co-elute PCB 146	
PCB-146	5.32e+05	1.21	y	39:43	1.12	186		-	-	*		Co-elute PCB 165	
PCB-161	1.04e+06	1.33	y	39:59	1.04	389		-	-	*		Co-elute PCB 132	
PCB-132	1.04e+06	1.33	y	39:59	1.04	389		-	-	*		Co-elute PCB 161	
PCB-153	2.88e+06	1.23	y	40:06	1.08	1040		-	-	*			
PCB-168	*	*	n	NotFnd	1.19	*		952	1040	7.03			
PCB-141	4.55e+05	1.29	y	40:49	0.94	188		-	-	*			
PCB-137	1.21e+05	1.23	y	41:10	0.98	48.1		-	-	*			
PCB-130	1.53e+05	1.26	y	41:17	0.76	78.9		-	-	*			
PCB-138	2.83e+06	1.24	y	41:37	1.11	996		-	-	*		Co-elute PCB 163/164	
PCB-163	2.83e+06	1.24	y	41:37	1.11	996		-	-	*		Co-elute PCB 138/164	
PCB-164	2.83e+06	1.24	y	41:37	1.11	996		-	-	*		Co-elute PCB 138/163	
PCB-158	3.10e+05	1.30	y	41:50	1.25	96.7		-	-	*		Co-elute PCB 160	
PCB-160	3.10e+05	1.30	y	41:50	1.25	96.7		-	-	*		Co-elute PCB 158	
PCB-129	1.11e+05	1.30	y	42:05	0.78	55.0		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		952	1040	6.86			
PCB-159	6.29e+04	1.23	y	42:52	1.31	18.7	J	-	-	*			
PCB-128	3.40e+05	1.31	y	43:05	1.04	128		-	-	*		Co-elute PCB 162	
PCB-162	3.40e+05	1.31	y	43:05	1.04	128		-	-	*		Co-elute PCB 128	
PCB-167	9.42e+04	1.17	y	43:28	1.20	30.3		-	-	*			
13C-PCB-167	2.60e+07	1.31	y	43:27	1.18	10500					105	3.48e+06	2.60e+06
PCB-156	2.05e+05	1.24	y	44:41	1.29	62.3		-	-	*			
13C-PCB-156	2.56e+07	1.27	y	44:41	1.15	10600					106	3.19e+06	2.50e+06
PCB-157	5.02e+04	1.19	y	44:57	1.21	15.7	J	-	-	*			
13C-PCB-157	2.64e+07	1.29	y	44:56	1.17	10800					108	3.50e+06	2.73e+06
PCB-169	*	*	n	NotFnd	1.17	*		952	1040	7.30			
13C-PCB-169	2.46e+07	1.28	y	46:48	1.18	9970					99.7	3.27e+06	2.57e+06

FAL ID: 13373-006-0001-SA Filename: 26OCT20Z Sam:9 Acquired: 26-OCT-20 17:46:55 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CB-S010 ConCal: ST10262021 EndCal: ST10262022
Results: 13373-4 GC Column: DB1MS Amount: 1.000

PCB-188	4.51e+04	1.16	y	39:46	1.16	20.1		-	-	*		
13C-PCB-188	1.93e+07	1.08	y	39:45	0.93	9970					99.7	2.33e+06	2.10e+06
PCB-184	9.93e+06	1.06	y	40:11	1.25	4460		-	-	*		
PCB-179	2.50e+05	1.09	y	40:55	1.20	116		-	-	*		
PCB-176	6.71e+04	1.14	y	41:22	1.15	32.5		-	-	*		
PCB-186	*	*	n	NotFnd	1.18	*		560	444	4.56		
PCB-178	8.45e+04	1.11	y	42:23	0.85	55.5		-	-	*		
PCB-175	*	*	n	NotFnd	0.90	*		560	444	6.03		
PCB-187	4.84e+05	1.02	y	42:52	0.95	284		-	-	*	Co-elute PCB 182	
PCB-182	4.84e+05	1.02	y	42:52	0.95	284		-	-	*	Co-elute PCB 187	
PCB-183	2.20e+05	1.15	y	43:10	0.94	130		-	-	*		
PCB-185	4.04e+04	1.16	y	43:48	0.88	25.7		-	-	*		
PCB-174	3.06e+05	1.03	y	44:10	0.87	197		-	-	*		
PCB-181	*	*	n	NotFnd	0.89	*		560	444	6.04		
PCB-177	1.83e+05	1.10	y	44:24	0.82	125		-	-	*		
PCB-171	6.57e+04	1.00	y	44:41	0.87	42.3		-	-	*		
PCB-173	*	*	n	NotFnd	0.80	*		560	444	6.71		
PCB-172	2.09e+05	1.02	y	45:27	0.83	140		-	-	*		
PCB-192	7.37e+06	1.06	y	45:39	1.09	3780		-	-	*		
PCB-180	5.44e+05	1.01	y	45:50	0.85	359		-	-	*		
PCB-193	4.34e+04	1.14	y	46:00	1.17	20.7		-	-	*		
PCB-191	*	*	n	NotFnd	1.14	*		560	444	4.75		
PCB-170	1.95e+05	1.12	y	47:07	0.85	128		-	-	*		
PCB-190	5.50e+04	1.03	y	47:16	1.13	27.1		-	-	*		
PCB-189	*	*	n	NotFnd	1.16	*		560	444	4.37		
13C-PCB-189	1.65e+07	1.08	y	48:26	0.88	8880					88.8	2.56e+06	2.39e+06
PCB-202	*	*	n	NotFnd	1.08	*		344	364	5.24		
PCB-201	1.34e+07	0.89	y	45:27	1.18	8940		344	364	4.79		
PCB-204	1.34e+07	0.89	y	45:27	1.18	8950		-	-	*		
PCB-197	7.52e+04	0.98	y	45:43	1.23	48.5		-	-	*		
PCB-200	*	*	n	NotFnd	1.21	*		344	364	4.67		
PCB-198	*	*	n	NotFnd	0.88	*		344	364	6.46		
PCB-199	5.51e+04	1.00	y	47:44	0.90	48.5		-	-	*		
PCB-203	7.09e+04	0.93	y	47:58	0.96	58.1		-	-	*	Co-elute PCB 196	
PCB-196	7.09e+04	0.93	y	47:58	0.96	58.1		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.26e+07	0.90	y	44:51	0.68	8870					88.7	1.50e+06	1.63e+06
13C-PCB-178	1.28e+07	1.12	y	42:23	0.71	8620					86.2	1.59e+06	1.39e+06
13C-PCB-138	2.09e+07	1.28	y	41:35	-	90.2						
PCB-195	5.79e+04	0.77	y	49:04	0.85	26.1		-	-	*		
PCB-194	1.11e+05	0.76	y	49:51	0.96	44.2		-	-	*		
PCB-205	*	*	n	NotFnd	1.14	*		1250	1920	8.34		
13C-PCB-205	2.62e+07	0.88	y	50:05	1.22	11300					113	3.84e+06	4.48e+06
PCB-208	*	*	n	NotFnd	1.12	*		656	736	3.49		
13C-PCB-208	2.43e+07	0.80	y	49:10	1.00	12700					127	3.97e+06	4.95e+06
PCB-207	9.39e+04	1.42	y	49:28	1.24	36.2		-	-	*		
PCB-206	2.98e+04	1.43	y	51:19	1.15	14.8	J	-	-	*		
13C-PCB-206	1.75e+07	0.81	y	51:17	0.77	12000					120	2.39e+06	3.05e+06
PCB-209	1.07e+05	1.11	y	52:31	1.24	52.0		-	-	*		
13C-PCB-209	1.67e+07	1.24	y	52:29	0.79	11100					111	2.95e+06	2.31e+06
13C-PCB-194	1.91e+07	0.90	y	49:51	-	77.9						

Analyst: [illegible] Date: 10/30/20

File:26OCT20Z #1-783 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-783 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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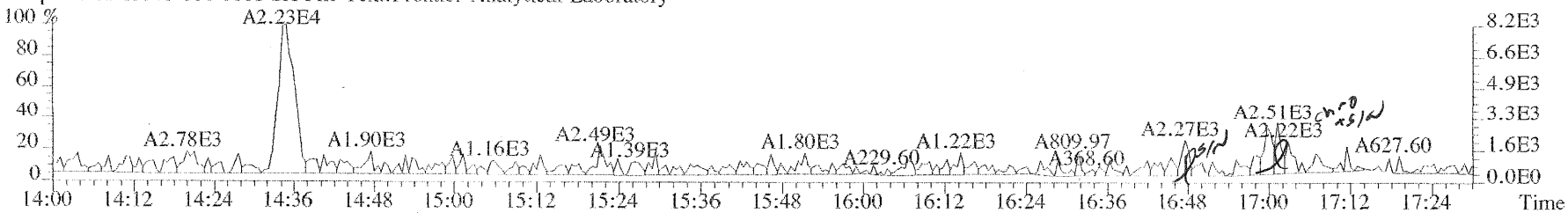

File:26OCT20Z #1-783 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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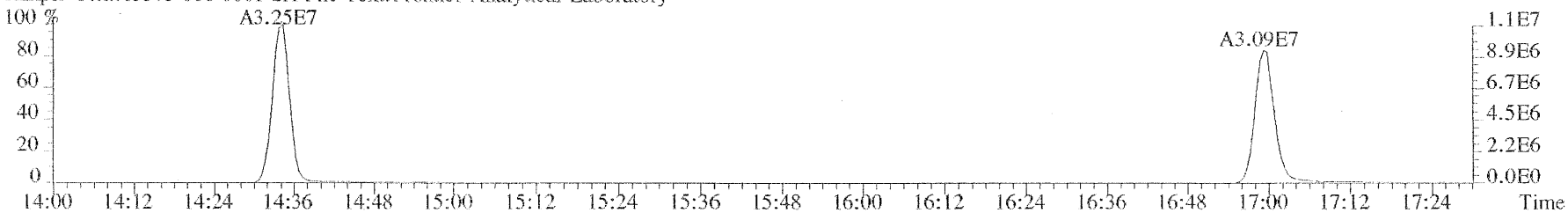

File:26OCT20Z #1-783 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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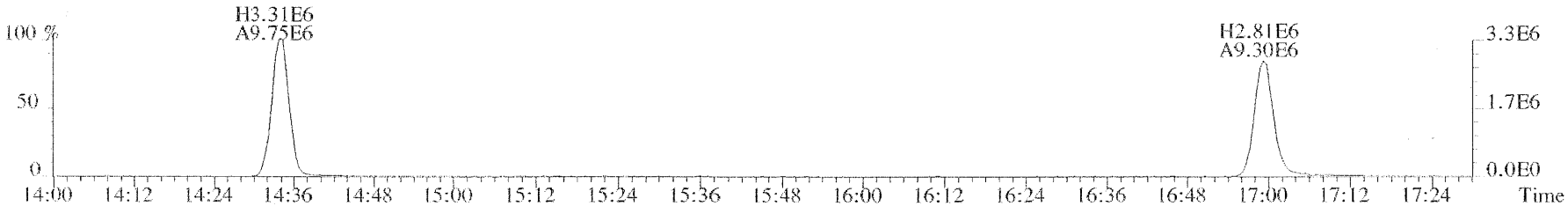
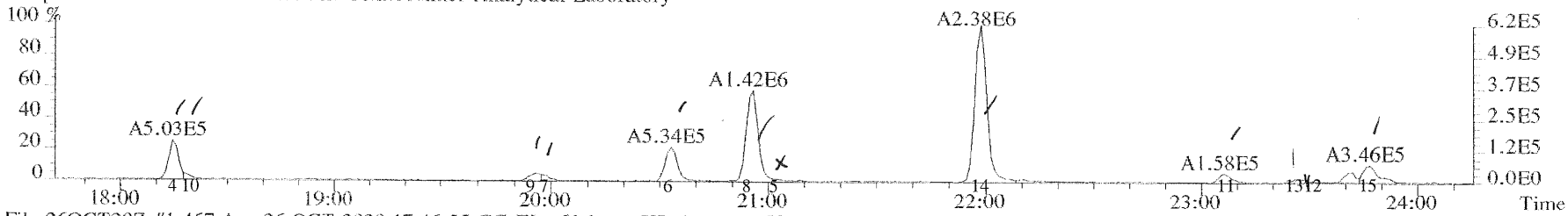
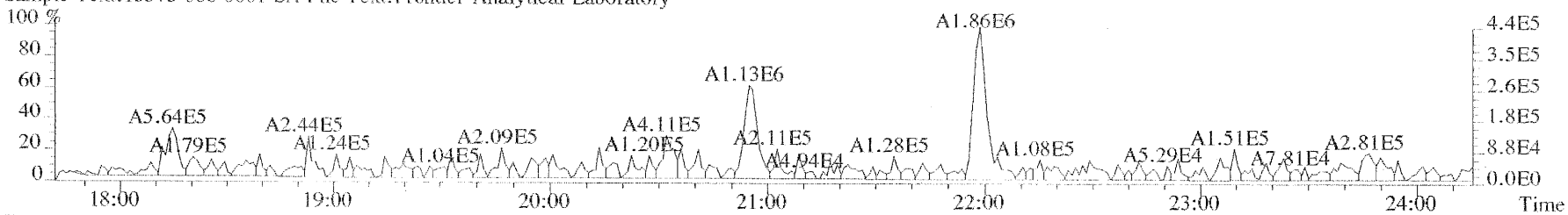
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



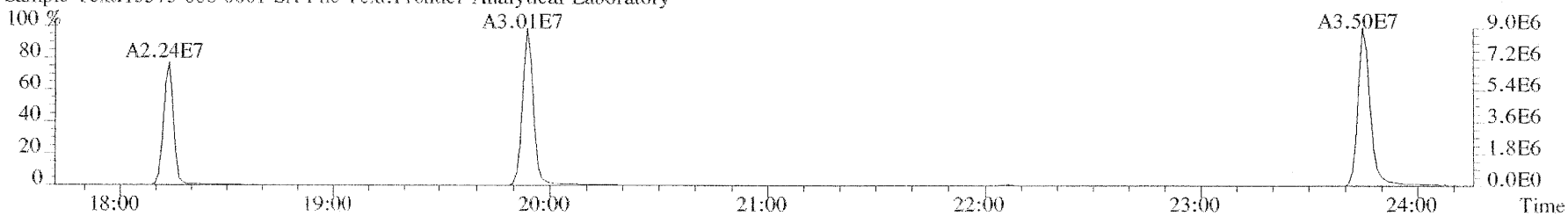
File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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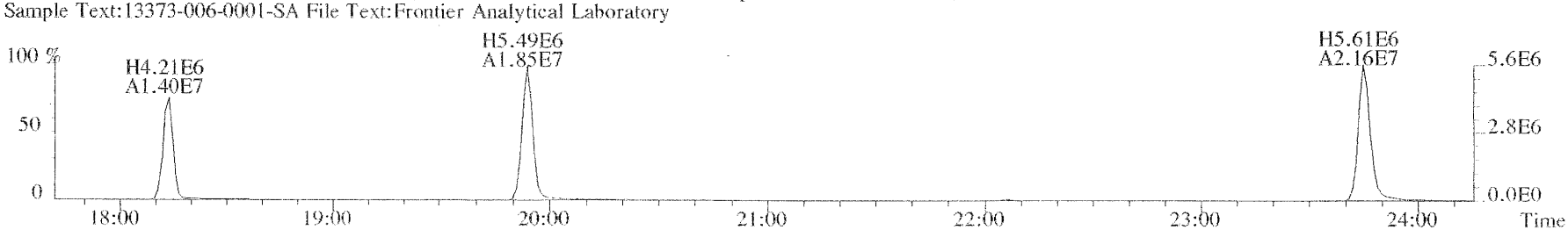
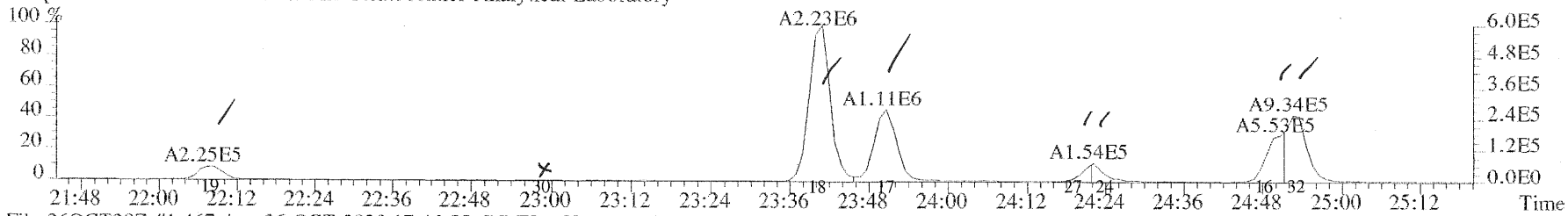
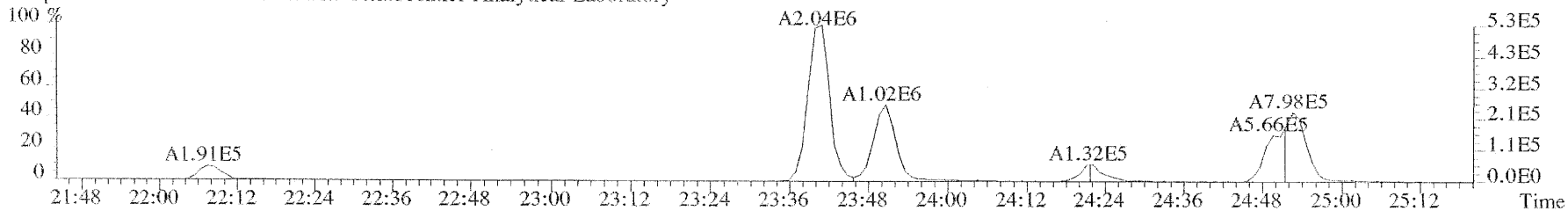
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-467 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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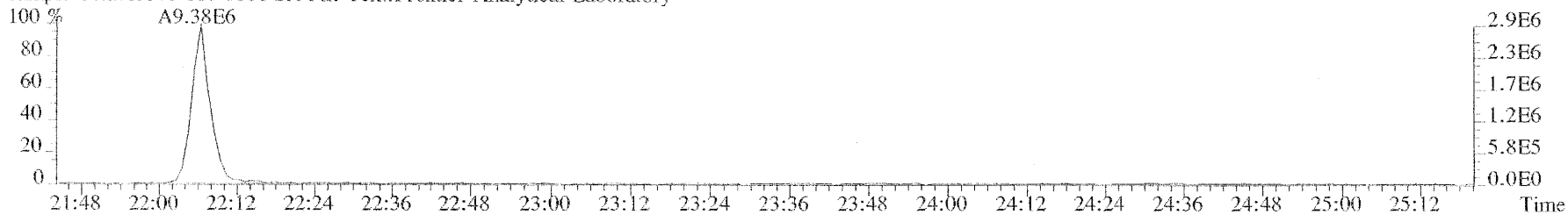
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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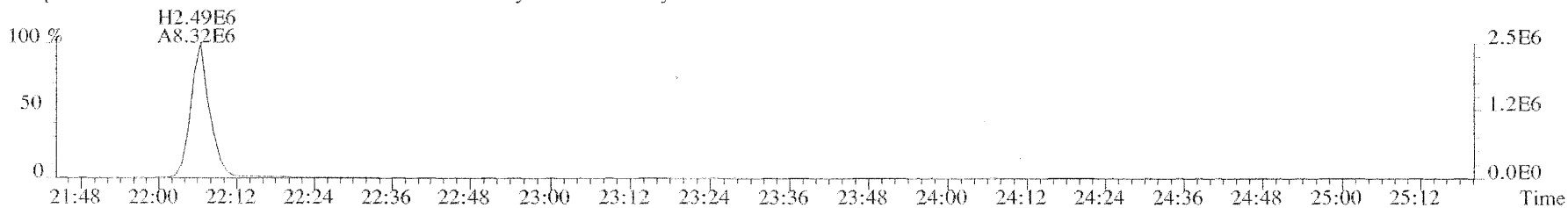
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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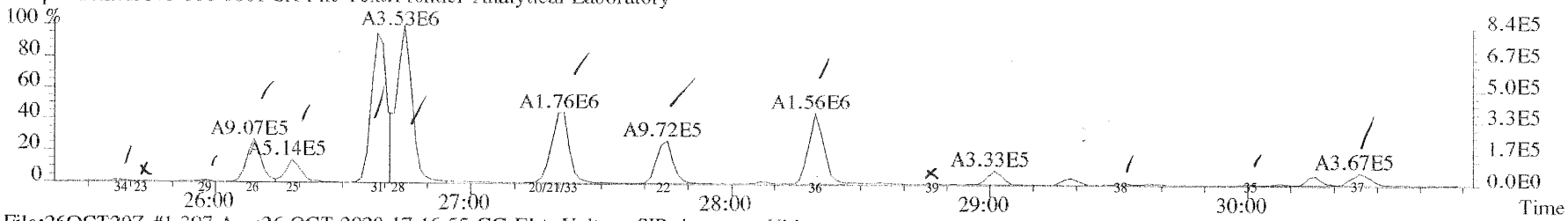

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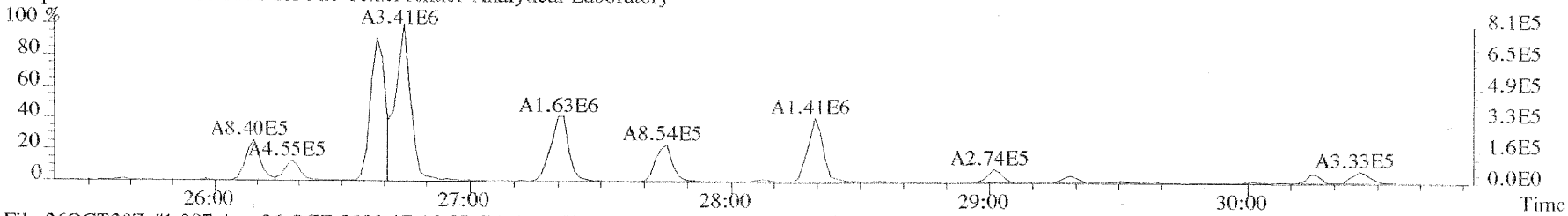
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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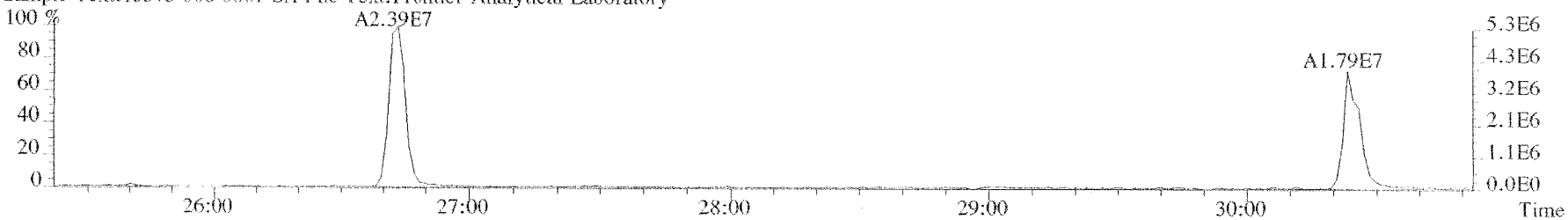
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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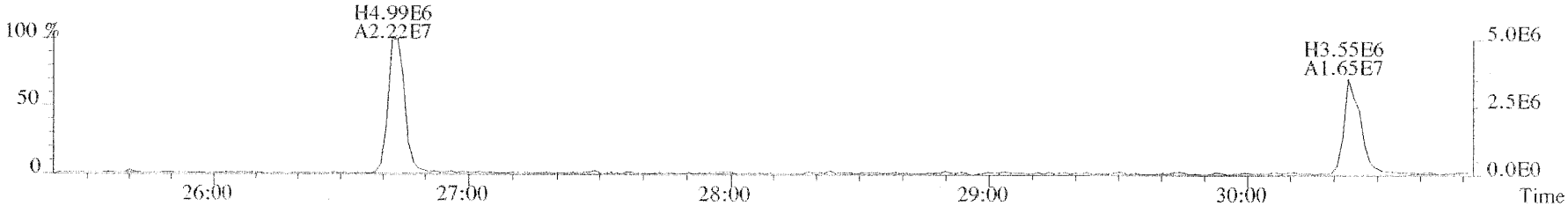
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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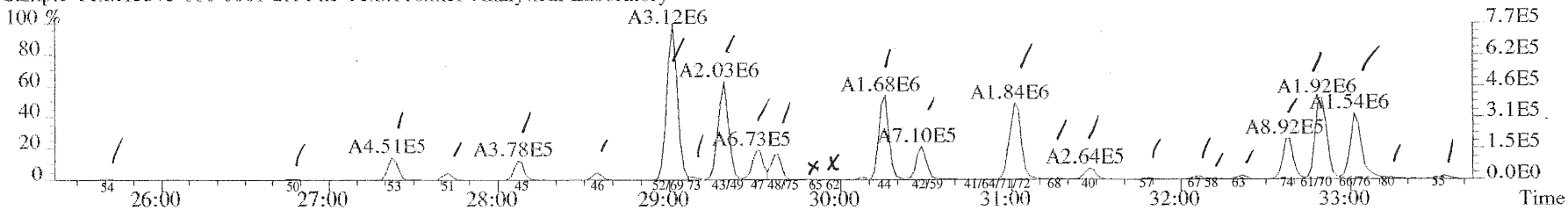
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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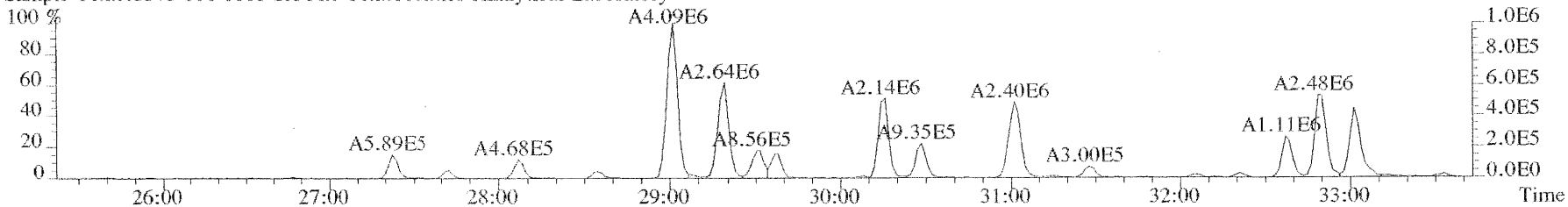
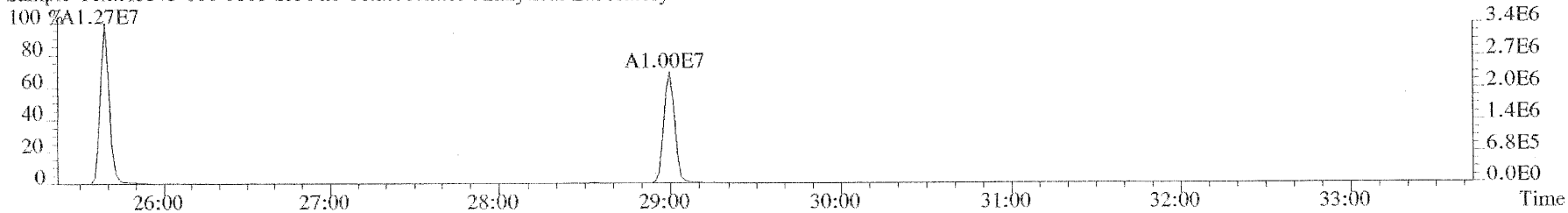
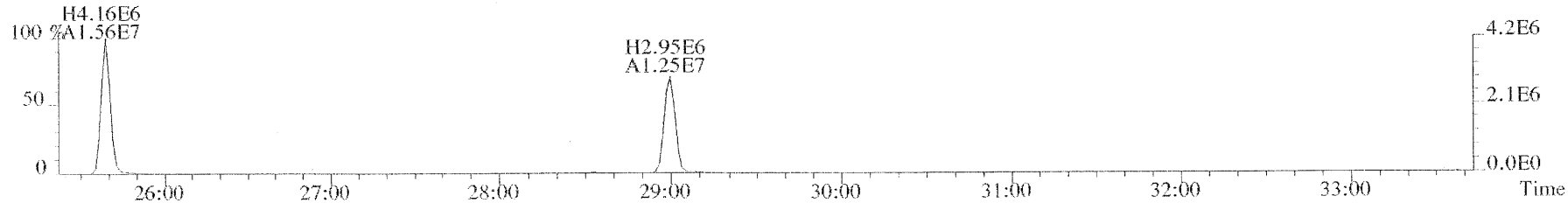
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



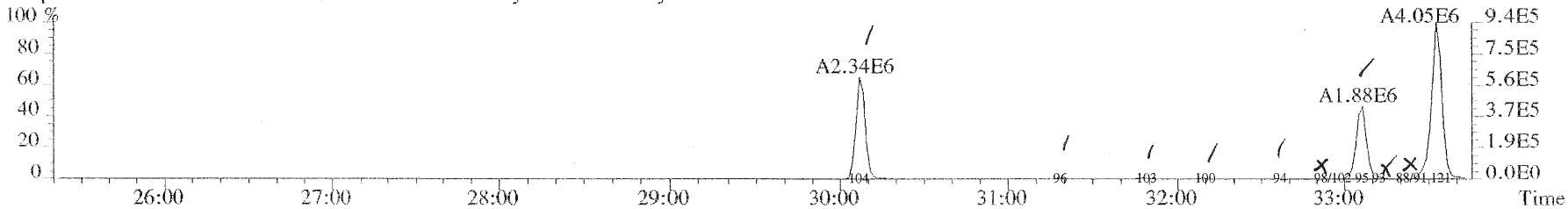
File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



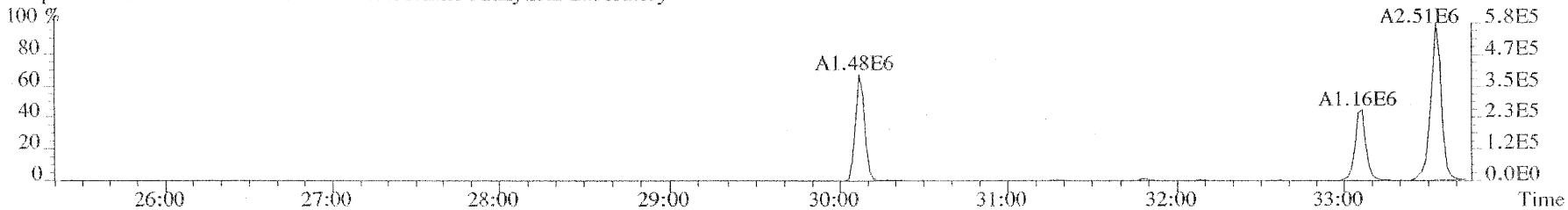
File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



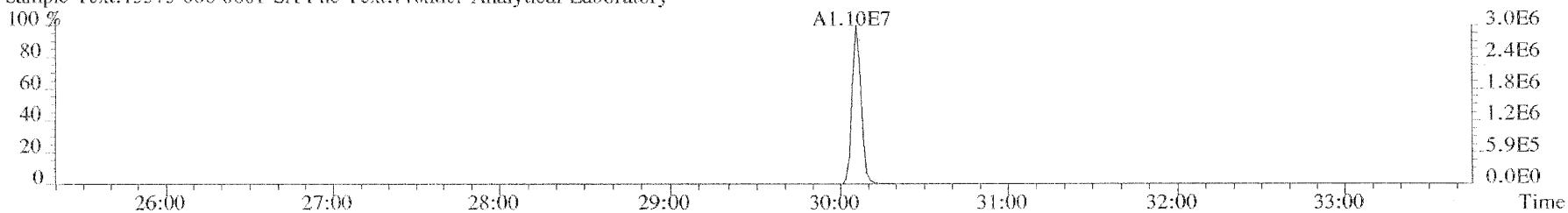
File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-397 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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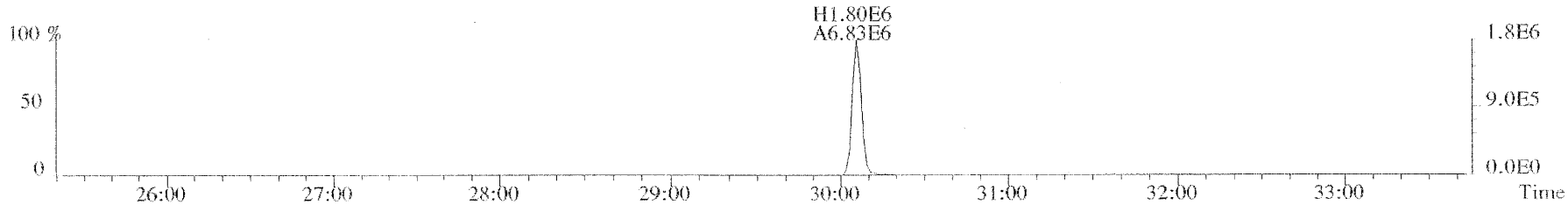
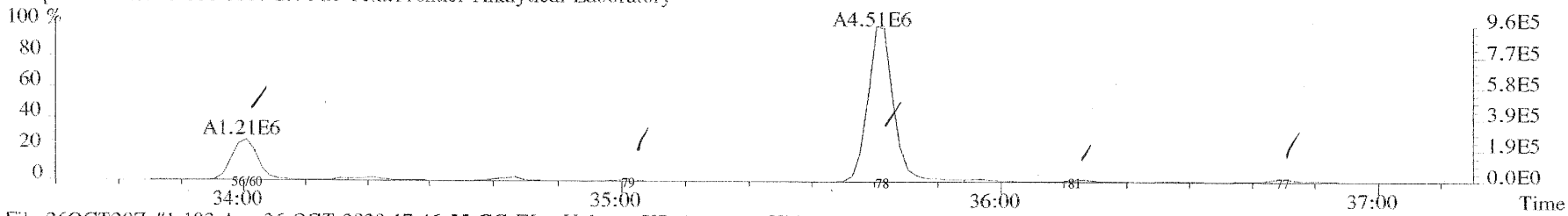
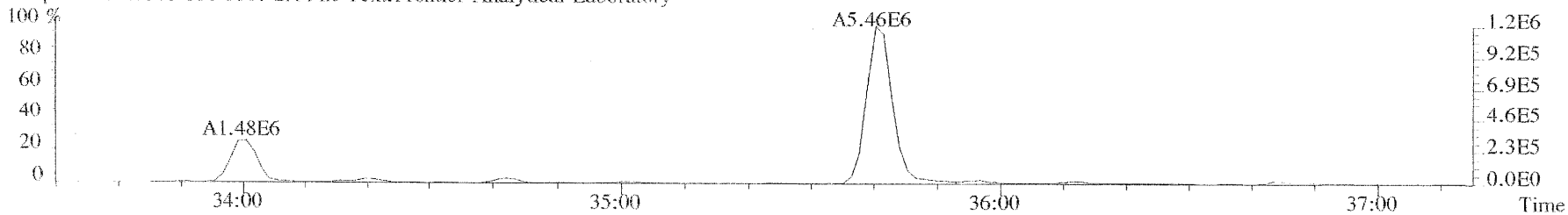
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



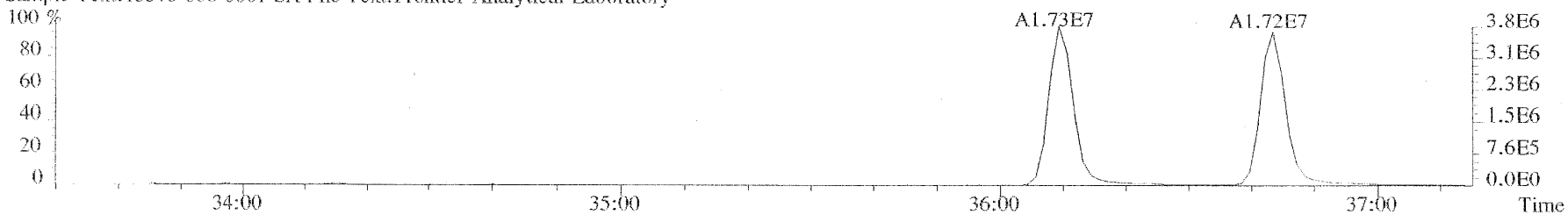
File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



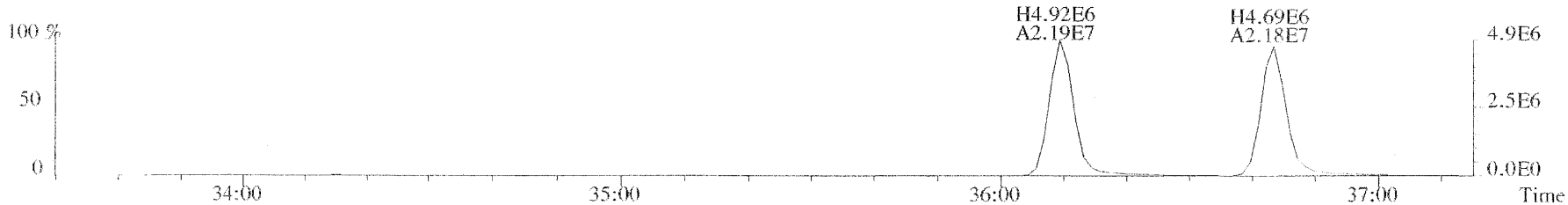
File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



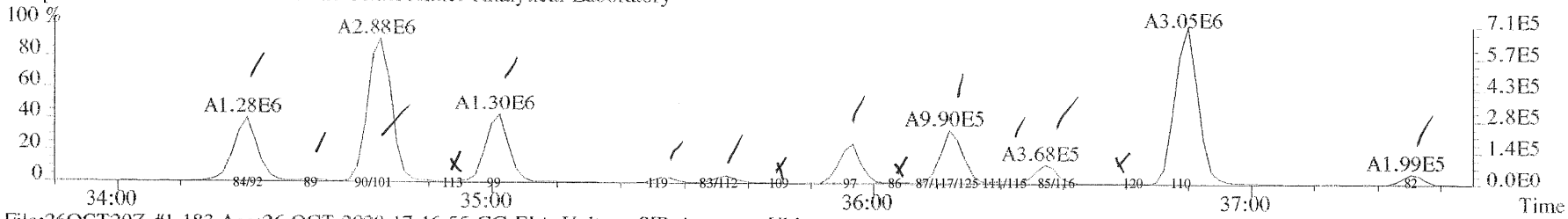
File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



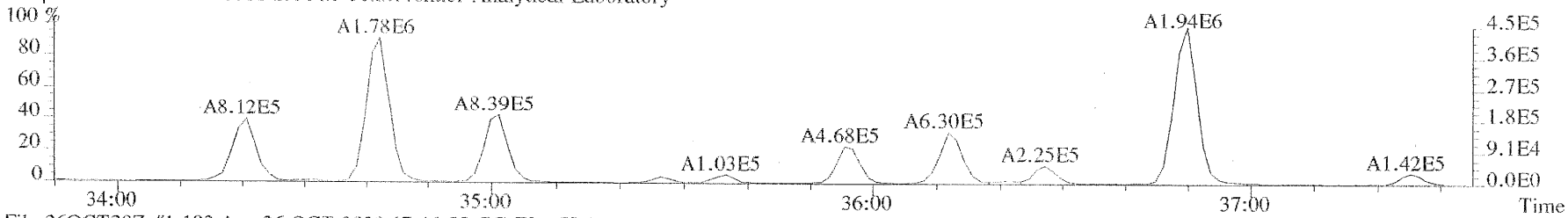
File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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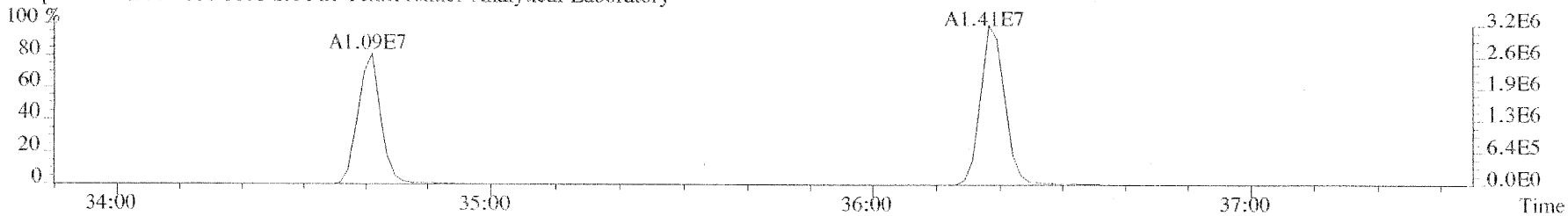
337.9207 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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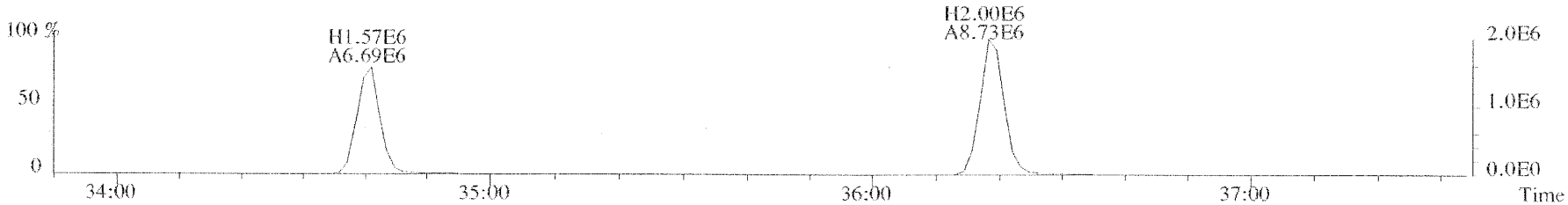
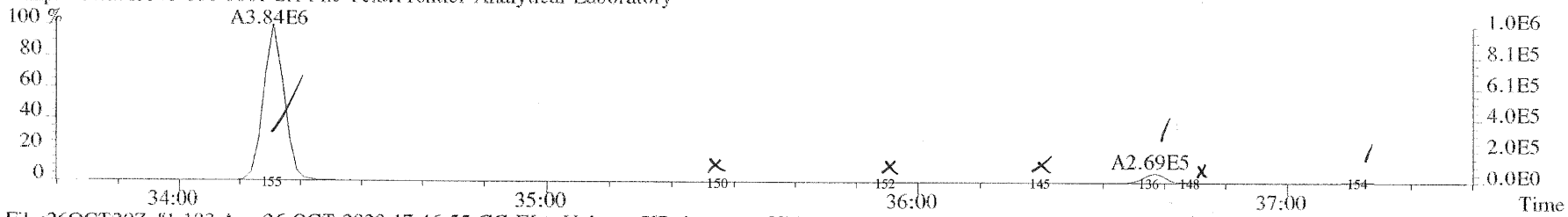
339.9178 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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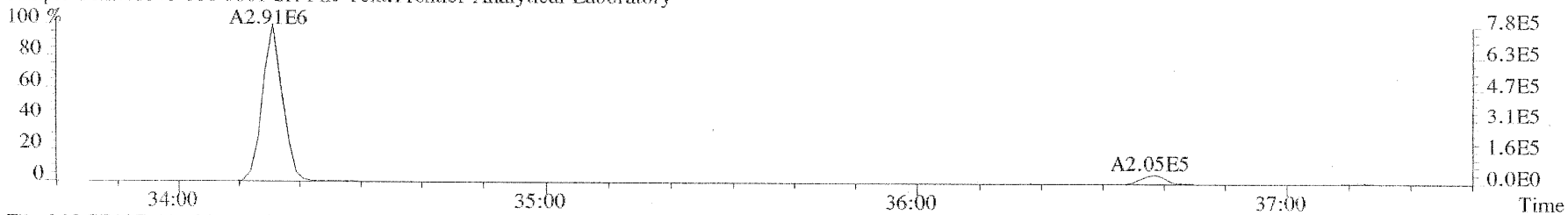
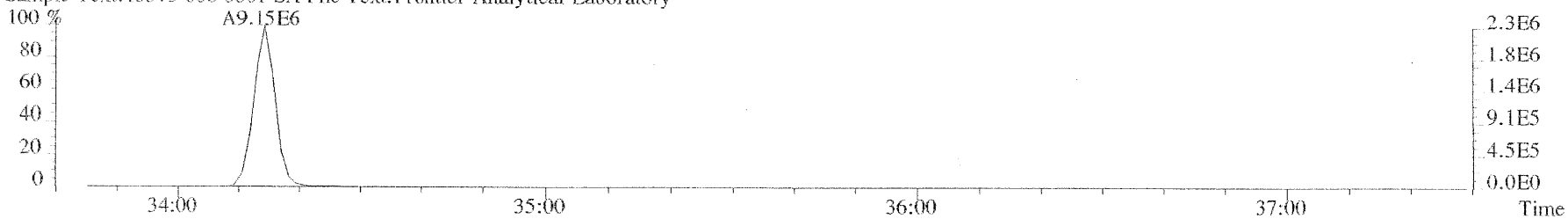
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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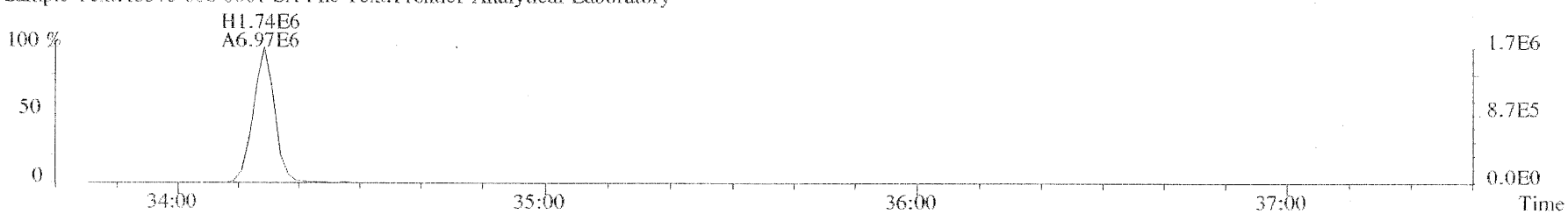
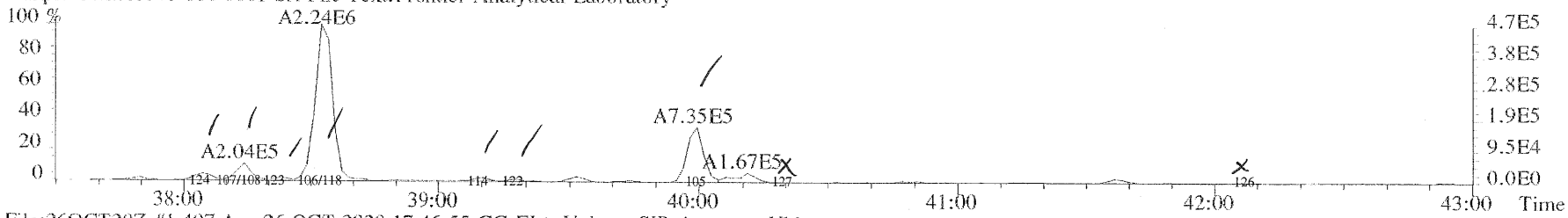
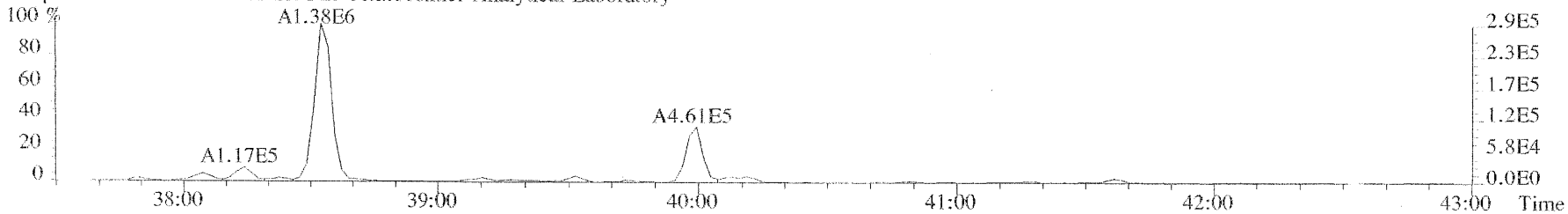
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
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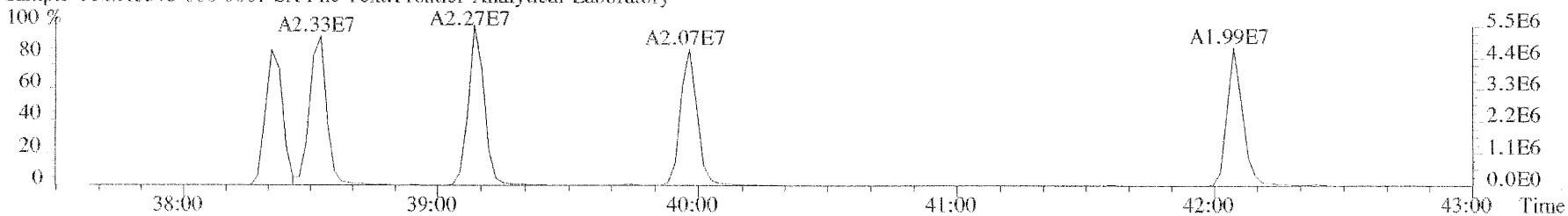
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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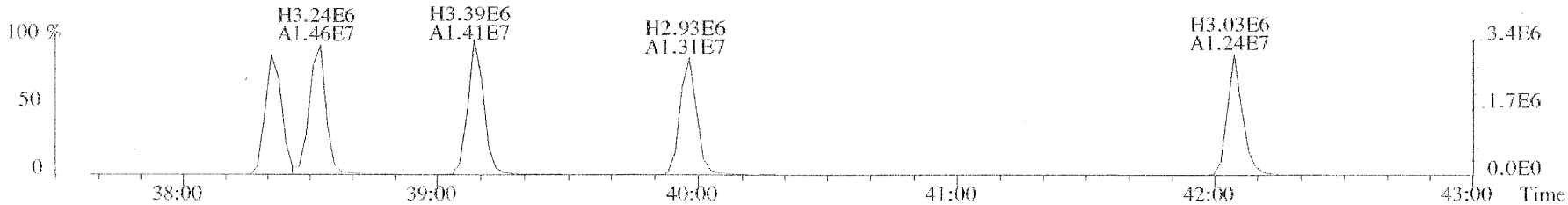
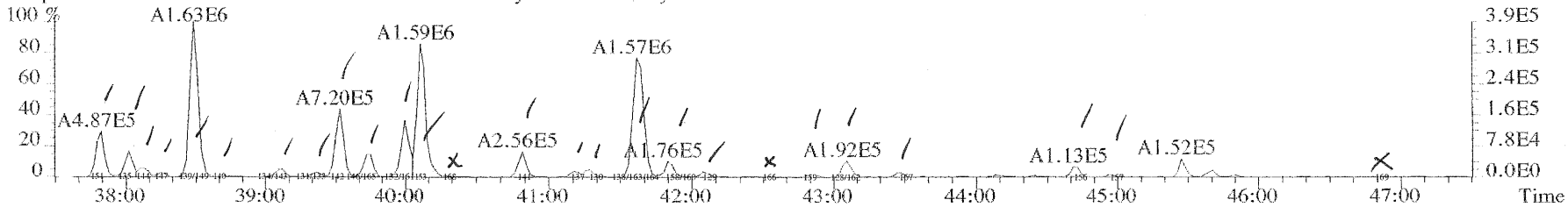
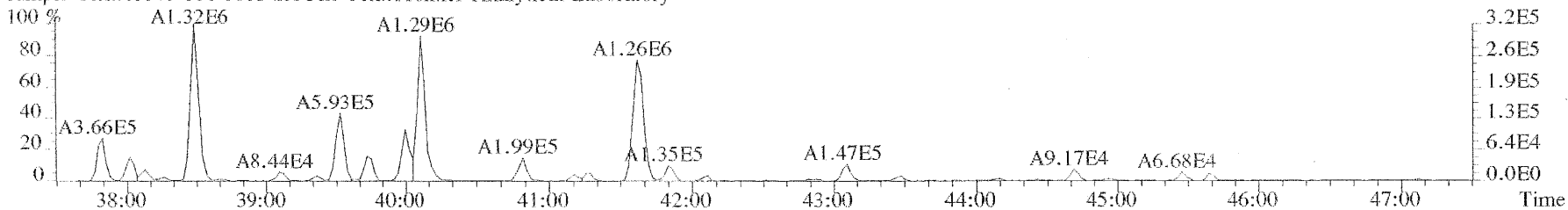
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



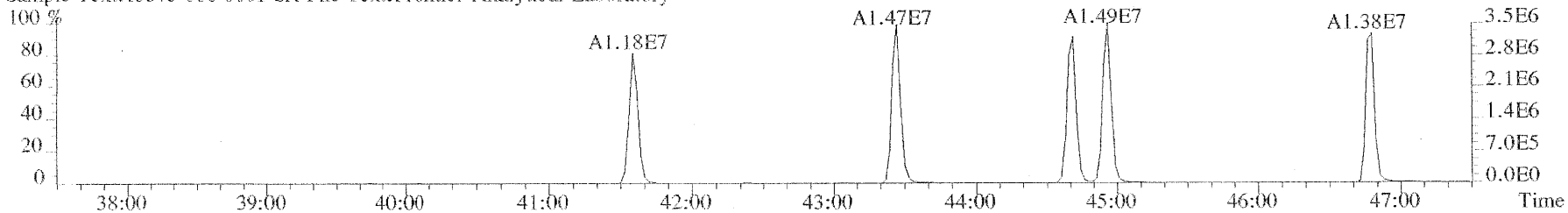
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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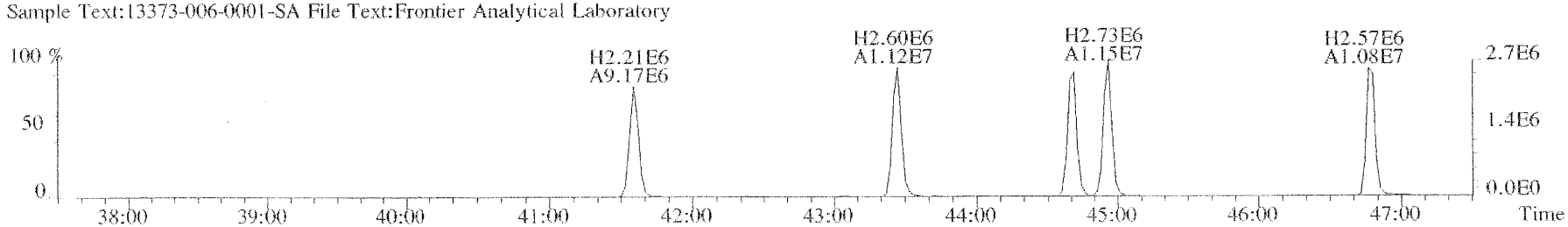
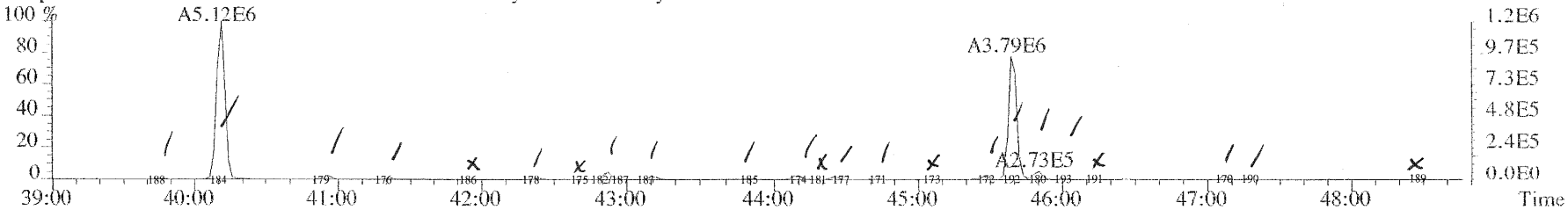
373.8788 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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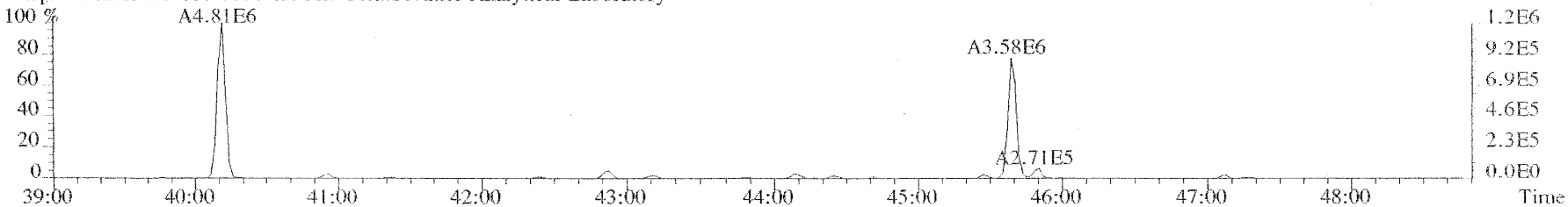
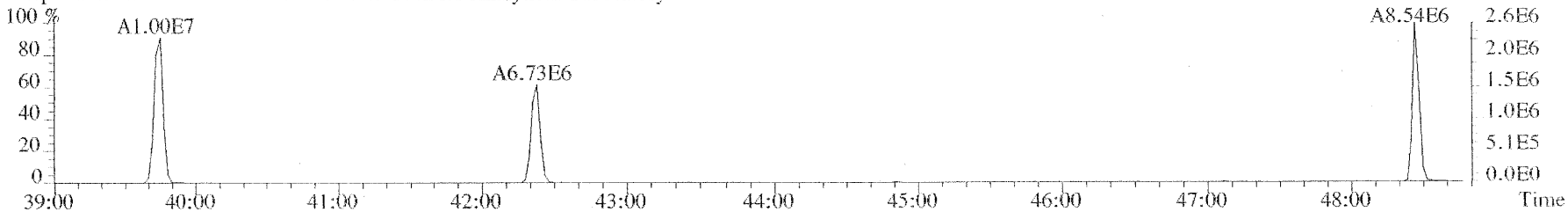
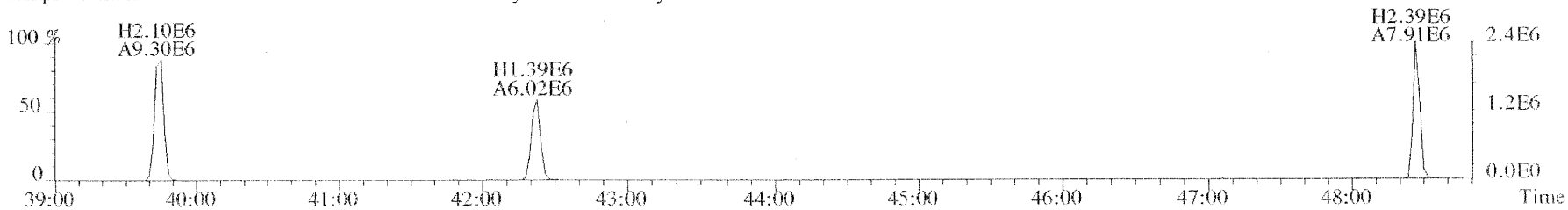
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



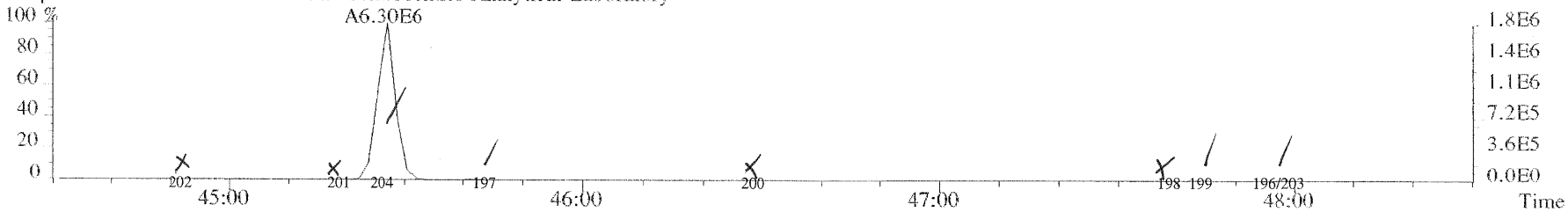
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



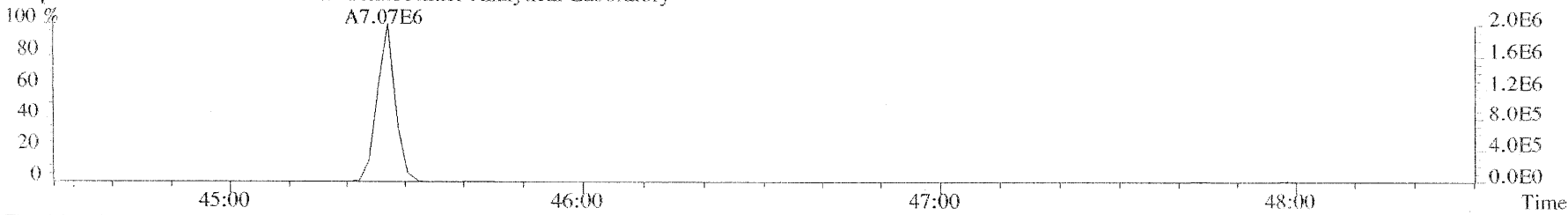
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



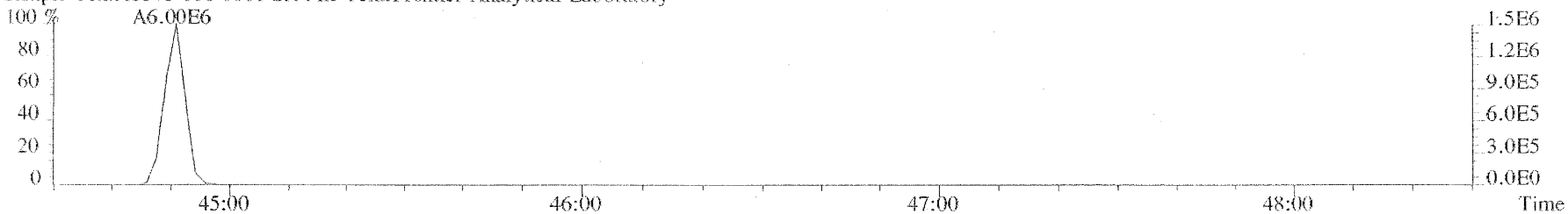
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



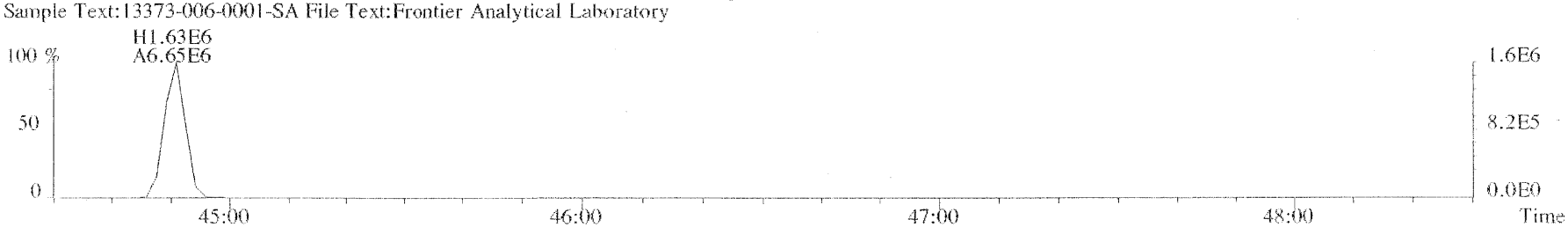
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



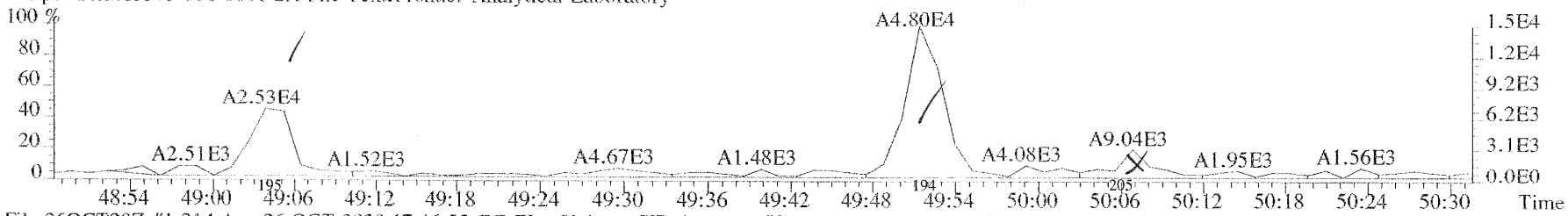
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



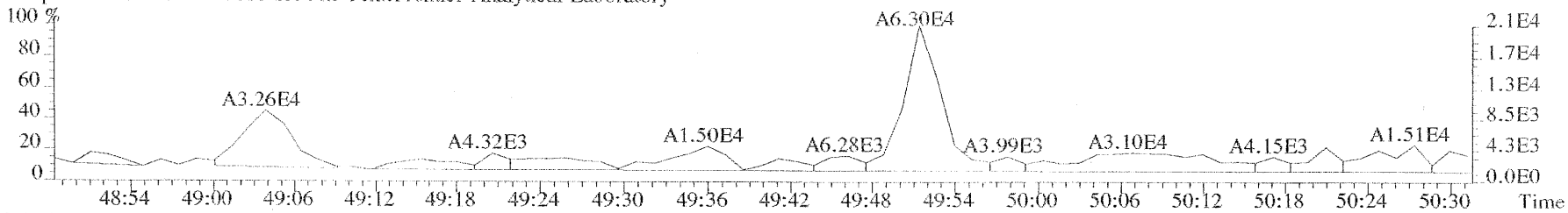
File:26OCT20Z #1-407 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



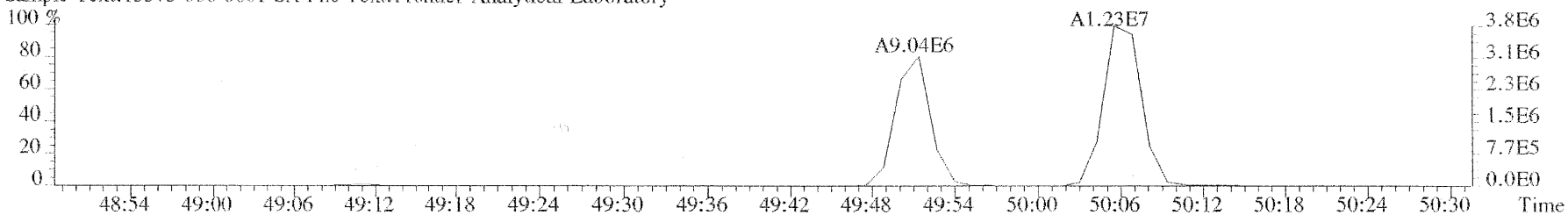
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



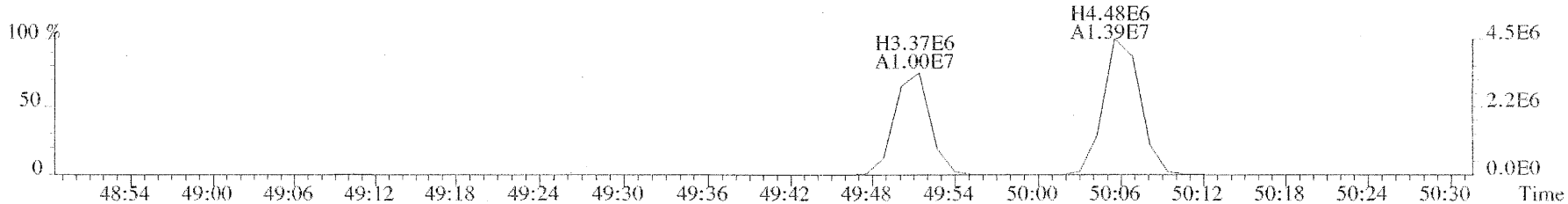
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



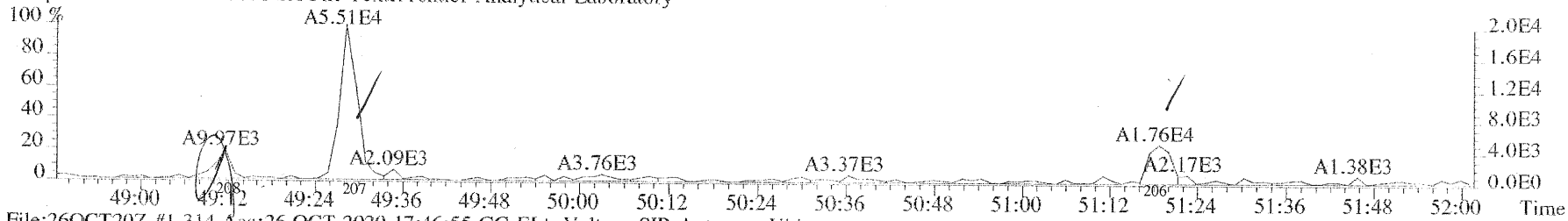
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



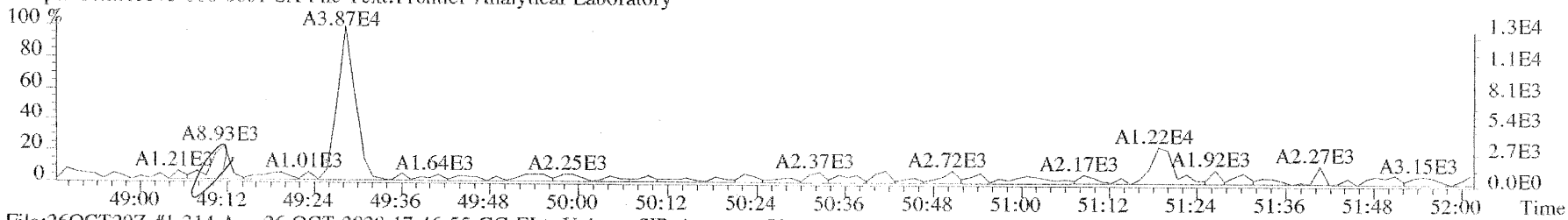
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



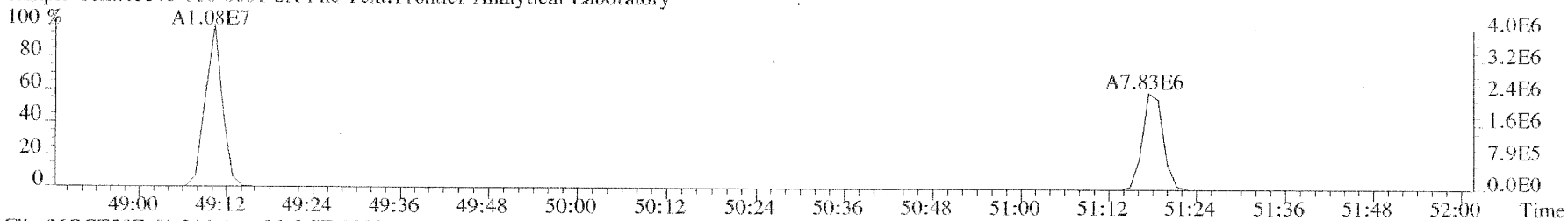
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



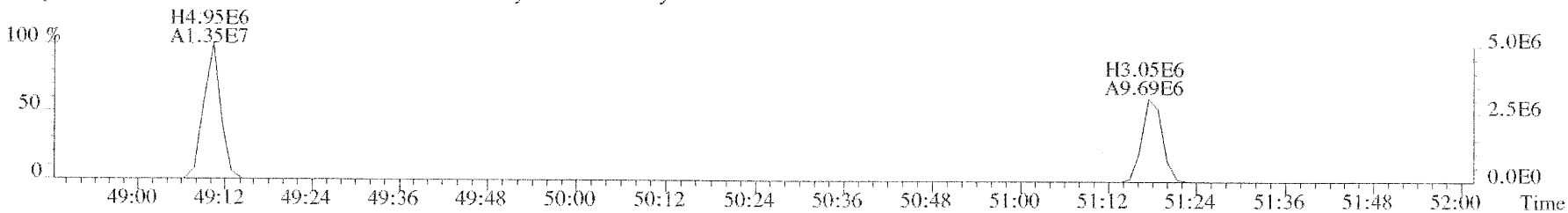
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



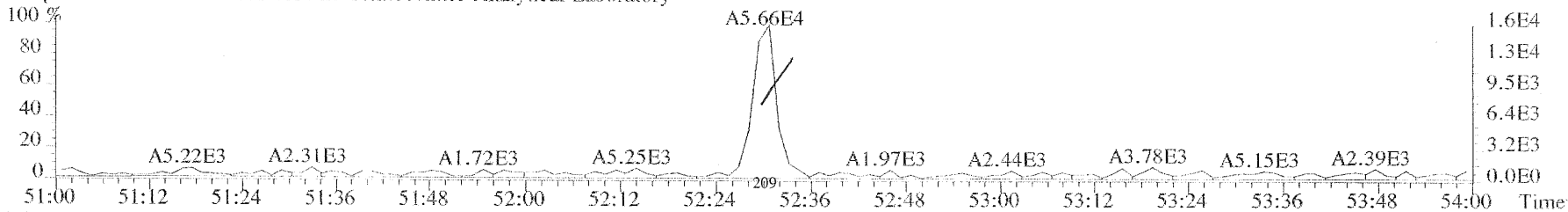
File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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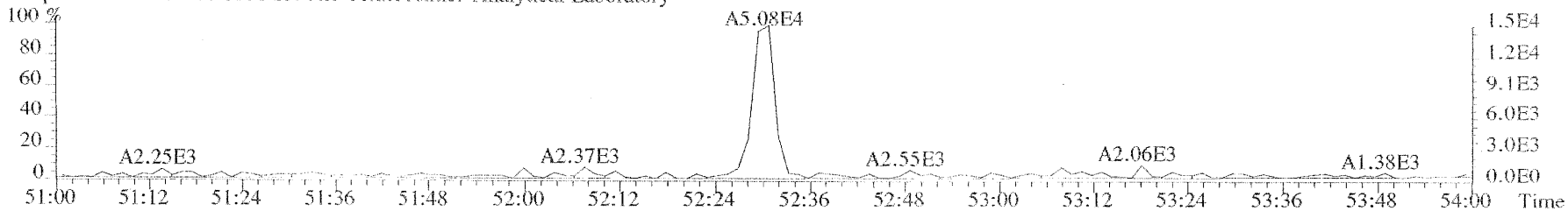
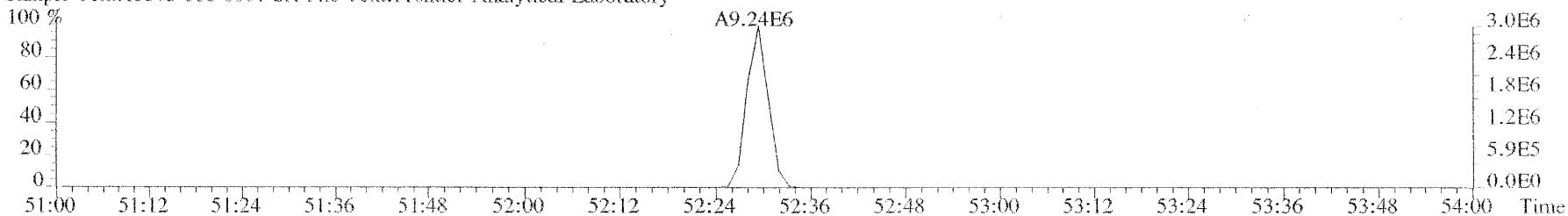
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 17:46:55 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:13373-006-0001-SA File Text:Frontier Analytical Laboratory



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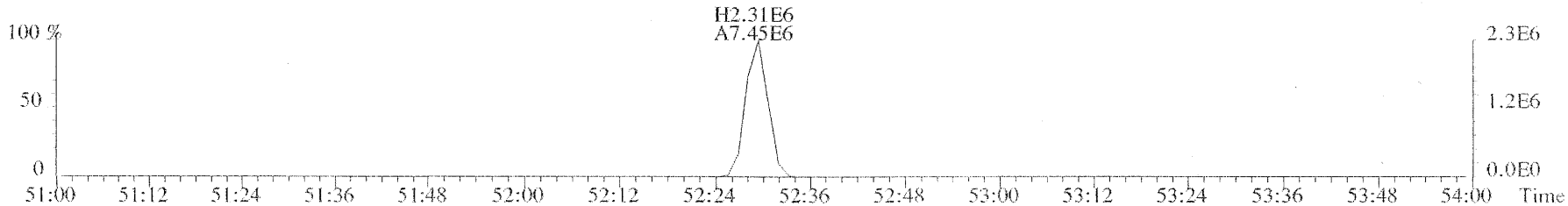
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-006-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-007-0001-SA Filename: 26OCT20Z Sam:10 Acquired: 26-OCT-20 18:45:16 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CB-S010-BIO 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	1.43e+05	2.94 y	14:35	1.30	34.3		-	-	*			
13C-PCB-1	3.21e+07	3.36 y	14:34	0.83	9160					91.6	8.67e+06	2.60e+06
PCB-2	*	* n	NotFnd	1.33	*		1150	976	3.83			
PCB-3	3.07e+04	3.21 y	17:00	1.34	7.29	J	-	-	*			
13C-PCB-3	3.14e+07	3.34 y	17:00	0.80	9230					92.3	7.55e+06	2.16e+06
PCB-4	3.44e+06	1.43 y	18:15	1.01	1180		-	-	*			
PCB-10	3.44e+05	1.44 y	18:18	1.43	65.0		-	-	*			
13C-PCB-4	2.89e+07	1.61 y	18:13	0.64	10700					107	5.39e+06	3.44e+06
PCB-9	6.45e+05	1.37 y	19:56	1.34	130		-	-	*			
PCB-7	3.65e+05	1.60 y	19:58	1.40	70.3		-	-	*			
PCB-6	3.56e+06	1.43 y	20:33	1.35	713		-	-	*			
PCB-8	7.20e+06	1.58 y	20:56	1.33	1470		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		830	3610	8.21			
PCB-14	6.98e+06	1.41 y	21:59	1.37	1380		-	-	*			
PCB-11	4.20e+05	1.37 y	23:06	1.34	85.0		-	-	*			
PCB-13	1.68e+05	1.51 y	23:27	1.39	32.7		-	-	*			
PCB-12	1.80e+05	1.69 y	23:28	1.30	37.5		-	-	*			
PCB-15	1.04e+06	1.47 y	23:47	1.24	185		-	-	*			
13C-PCB-15	4.51e+07	1.61 y	23:45	1.02	10400					104	6.64e+06	4.18e+06
PCB-19	1.51e+06	1.15 y	22:07	1.31	728		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2130	444	7.03			
PCB-18	1.30e+07	1.07 y	23:41	1.36	6020		-	-	*			
PCB-17	5.85e+06	1.12 y	23:51	1.48	2480		-	-	*			
PCB-27	6.82e+05	1.05 y	24:22	1.93	223		-	-	*			
PCB-24	6.98e+05	1.13 y	24:23	1.97	223		-	-	*			
PCB-16	3.64e+06	1.10 y	24:51	1.66	1380		-	-	*			
PCB-32	4.55e+06	1.11 y	24:52	1.65	1740		-	-	*			
13C-PCB-19	1.59e+07	1.14 y	22:06	0.40	9390					93.9	2.43e+06	2.15e+06
13C-PCB-9	4.23e+07	1.61 y	19:55	-	78.2							
PCB-34	2.33e+05	1.14 y	25:37	1.16	65.6		-	-	*			
PCB-23	*	* n	NotFnd	1.15	*		980	920	6.59			
PCB-29	1.31e+05	1.18 y	25:58	1.19	35.8		-	-	*			
PCB-26	4.27e+06	1.12 y	26:09	1.17	1190		-	-	*			
PCB-25	2.07e+06	1.11 y	26:18	1.14	591		-	-	*			
PCB-31	1.27e+07	1.11 y	26:38	1.18	3510		-	-	*			
PCB-28	1.35e+07	1.16 y	26:44	1.34	3290		-	-	*			
PCB-20	7.04e+06	1.11 y	27:20	1.12	2050		-	-	*		Co-elute PCB 21/33	
PCB-21	7.04e+06	1.11 y	27:20	1.12	2050		-	-	*		Co-elute PCB 20/33	
PCB-33	7.04e+06	1.11 y	27:20	1.12	2050		-	-	*		Co-elute PCB 20/21	
PCB-22	3.85e+06	1.14 y	27:45	1.22	1030		-	-	*			
PCB-36	5.27e+06	1.11 y	28:19	1.17	1470		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		980	920	6.19			
PCB-38	1.50e+05	1.12 y	29:30	1.28	38.2		-	-	*			
PCB-35	9.06e+04	1.09 y	30:00	1.22	24.2		-	-	*			
PCB-37	1.42e+06	1.08 y	30:24	1.20	384		-	-	*			
13C-PCB-37	3.07e+07	1.09 y	30:24	1.83	9170					91.7	3.22e+06	3.06e+06

PCB-54	7.06e+04	0.79	y	25:40	1.30	23.7		-	-	*			
PCB-50	9.16e+04	0.83	y	26:47	1.04	38.7		-	-	*			
PCB-53	2.13e+06	0.74	y	27:22	1.02	916		-	-	*			
PCB-51	6.63e+05	0.75	y	27:41	1.08	269		-	-	*			
PCB-45	1.87e+06	0.78	y	28:07	0.91	904		-	-	*			
PCB-46	7.25e+05	0.72	y	28:34	0.89	358		-	-	*			
PCB-52	3.17e+05	0.79	y	29:06	1.15	120		-	-	*	Co-elute PCB 69		
PCB-69	3.17e+05	0.79	y	29:06	1.15	120		-	-	*	Co-elute PCB 52		
PCB-73	3.17e+05	0.79	y	29:06	1.28	108		-	-	*			
PCB-43	8.53e+06	0.78	y	29:17	1.00	3730		-	-	*	Co-elute PCB 49		
PCB-49	8.53e+06	0.78	y	29:17	1.00	3730		-	-	*	Co-elute PCB 43		
PCB-47	2.75e+06	0.79	y	29:29	1.03	1170		-	-	*			
PCB-48	2.38e+06	0.77	y	29:36	1.34	778		-	-	*	Co-elute PCB 75		
PCB-75	2.38e+06	0.77	y	29:36	1.34	778		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		730	1000	5.38			
PCB-62	*	*	n	NotFnd	1.35	*		730	1000	5.43			
PCB-44	7.25e+06	0.77	y	30:14	0.90	3520		-	-	*			
PCB-42	3.41e+06	0.77	y	30:27	1.12	1330		-	-	*	Co-elute PCB 59		
PCB-59	3.41e+06	0.77	y	30:27	1.12	1330		-	-	*	Co-elute PCB 42		
PCB-72	7.89e+06	0.76	y	31:01	1.26	2750		-	-	*	Co-elute PCB 41/71/64		
PCB-41	7.89e+06	0.76	y	31:01	1.26	2750		-	-	*	Co-elute PCB 72/71/64		
PCB-71	7.89e+06	0.76	y	31:01	1.26	2750		-	-	*	Co-elute PCB 72/41/64		
PCB-64	7.89e+06	0.76	y	31:01	1.26	2750		-	-	*	Co-elute PCB 72/41/71		
PCB-68	2.03e+05	0.70	y	31:14	1.47	60.5		-	-	*			
PCB-40	1.14e+06	0.75	y	31:28	0.80	624		-	-	*			
PCB-57	7.77e+04	0.78	y	31:48	1.38	24.6		-	-	*			
PCB-67	2.58e+05	0.79	y	32:06	1.39	81.2		-	-	*			
PCB-58	5.61e+04	0.74	y	32:11	1.37	17.9	J	-	-	*			
PCB-63	3.73e+05	0.73	y	32:21	1.41	115		-	-	*			
PCB-74	3.42e+06	0.76	y	32:37	1.38	1080		-	-	*			
PCB-61	6.82e+06	0.76	y	32:49	1.26	2370		-	-	*	Co-elute PCB 70		
PCB-70	6.82e+06	0.76	y	32:49	1.26	2370		-	-	*	Co-elute PCB 61		
PCB-76	6.19e+06	0.77	y	33:01	1.41	1920		-	-	*	Co-elute PCB 66		
PCB-66	6.19e+06	0.77	y	33:01	1.41	1920		-	-	*	Co-elute PCB 76		
PCB-80	1.58e+05	0.88	y	33:11	1.56	44.1		-	-	*			
PCB-55	2.91e+05	0.80	y	33:32	1.33	96.1		-	-	*			
13C-PCB-54	2.29e+07	0.84	y	25:39	1.12	11100					111	2.73e+06	3.16e+06
PCB-104	6.80e+06	1.57	y	30:07	1.20	3850		-	-	*			
PCB-96	8.90e+04	1.53	y	31:18	1.15	52.5		-	-	*			
PCB-103	1.03e+05	1.60	y	31:47	0.99	71.1		-	-	*			
PCB-100	4.24e+04	1.37	y	32:08	0.97	29.6		-	-	*			
PCB-94	3.85e+04	1.33	y	32:35	0.82	32.0		-	-	*			
PCB-98	*	*	n	NotFnd	0.81	*		344	452	6.57	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		344	452	6.57	Co-elute PCB 98		
PCB-95	4.18e+06	1.55	y	33:05	0.88	3210		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		344	452	6.21			
PCB-88	*	*	n	NotFnd	0.86	*		344	452	6.15	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		344	452	6.15	Co-elute PCB 88		
PCB-121	9.61e+06	1.61	y	33:33	1.17	5580		-	-	*			
13C-PCB-104	1.47e+07	1.61	y	30:04	0.79	10100					101	2.30e+06	1.44e+06
13C-PCB-28	3.27e+07	1.06	y	26:43	2.03	8800					88.0	4.33e+06	4.09e+06
13C-PCB-52	1.83e+07	0.82	y	28:58	-	71.2							

PCB-56	4.10e+06	0.80	y	33:59	1.15	1120		-	-	*		Co-elute PCB 60
PCB-60	4.10e+06	0.80	y	33:59	1.15	1120		-	-	*		Co-elute PCB 56
PCB-79	1.47e+05	0.78	y	35:01	1.25	37.0		-	-	*		
PCB-78	1.55e+07	0.84	y	35:40	1.20	4050		-	-	*		
PCB-81	2.17e+05	0.84	y	36:12	1.29	52.8		-	-	*		
13C-PCB-81	3.18e+07	0.79	y	36:09	1.82	12100					121	3.02e+06 3.79e+06
PCB-77	3.57e+05	0.74	y	36:45	1.13	99.6		-	-	*		
13C-PCB-77	3.17e+07	0.77	y	36:43	1.87	11800					118	2.71e+06 3.66e+06
PCB-155	9.60e+06	1.31	y	34:14	1.12	6260		-	-	*		
PCB-150	*	*	n	NotFnd	1.10	*		620	392	6.55		
PCB-152	*	*	n	NotFnd	1.06	*		620	392	6.80		
PCB-145	*	*	n	NotFnd	1.07	*		620	392	6.74		
PCB-136	6.00e+05	1.22	y	36:37	1.08	404		-	-	*		
PCB-148	*	*	n	NotFnd	0.76	*		620	392	9.48		
PCB-154	8.03e+04	1.20	y	37:11	0.93	63.0		-	-	*		
13C-PCB-155	1.37e+07	1.36	y	34:14	1.04	9200					92.0	2.00e+06 1.50e+06
13C-PCB-111	1.89e+07	1.63	y	36:18	1.29	10200					102	2.62e+06 1.58e+06
13C-PCB-101	1.44e+07	1.68	y	34:40	-	67.3						
PCB-84	3.08e+06	1.59	y	34:21	0.66	1620		-	-	*		Co-elute PCB 92
PCB-92	3.08e+06	1.59	y	34:21	0.66	1620		-	-	*		Co-elute PCB 84
PCB-89	9.61e+04	1.60	y	34:31	0.67	49.7		-	-	*		
PCB-90	6.12e+06	1.63	y	34:41	0.75	2860		-	-	*		Co-elute PCB 101
PCB-101	6.12e+06	1.63	y	34:41	0.75	2860		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		1010	940	8.90		
PCB-99	2.93e+06	1.59	y	35:00	0.83	1240		-	-	*		
PCB-119	2.69e+05	1.75	y	35:26	0.99	95.2		-	-	*		
PCB-83	3.55e+05	1.64	y	35:35	0.78	158		-	-	*		Co-elute PCB 112
PCB-112	3.55e+05	1.64	y	35:35	0.78	158		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		1010	940	8.35		
PCB-97	1.69e+06	1.55	y	35:55	0.64	924		-	-	*		
PCB-86	*	*	n	NotFnd	0.56	*		1010	940	13.8		
PCB-125	2.02e+06	1.63	y	36:12	0.89	789		-	-	*		Co-elute PCB 87/117
PCB-87	2.02e+06	1.63	y	36:12	0.89	789		-	-	*		Co-elute PCB 125/117
PCB-117	2.02e+06	1.63	y	36:12	0.89	789		-	-	*		Co-elute PCB 125/87
PCB-111	8.20e+04	1.60	y	36:19	0.95	30.1		-	-	*		Co-elute PCB 115
PCB-115	8.20e+04	1.60	y	36:19	0.95	30.1		-	-	*		Co-elute PCB 111
PCB-85	8.24e+05	1.64	y	36:27	0.84	341		-	-	*		Co-elute PCB 116
PCB-116	8.24e+05	1.64	y	36:27	0.84	341		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		1010	940	7.70		
PCB-110	6.82e+06	1.57	y	36:50	0.94	2540		-	-	*		
PCB-82	4.76e+05	1.52	y	37:25	0.57	293		-	-	*		
PCB-124	1.91e+05	1.56	y	38:04	1.21	55.0		-	-	*		
PCB-108	4.72e+05	1.71	y	38:14	1.16	142		-	-	*		Co-elute PCB 107
PCB-107	4.72e+05	1.71	y	38:14	1.16	142		-	-	*		Co-elute PCB 108
PCB-123	7.31e+04	1.70	y	38:21	1.11	23.8		-	-	*		
13C-PCB-123	2.78e+07	1.59	y	38:21	1.40	11500					115	4.16e+06 2.57e+06
PCB-118	4.88e+06	1.61	y	38:32	1.14	1380		-	-	*		Co-elute PCB 106
PCB-106	4.88e+06	1.61	y	38:32	1.14	1380		-	-	*		Co-elute PCB 118
13C-PCB-118	3.08e+07	1.59	y	38:31	1.51	11800					118	4.06e+06 2.60e+06
PCB-114	1.14e+05	1.69	y	39:10	1.24	32.1		-	-	*		
13C-PCB-114	2.85e+07	1.58	y	39:08	1.49	11100					111	3.68e+06 2.34e+06
PCB-122	6.41e+04	1.56	y	39:17	1.16	19.4	J	-	-	*		
PCB-105	1.38e+06	1.66	y	39:58	1.22	411		-	-	*		
13C-PCB-105	2.74e+07	1.59	y	39:58	1.49	10700					107	3.59e+06 2.25e+06

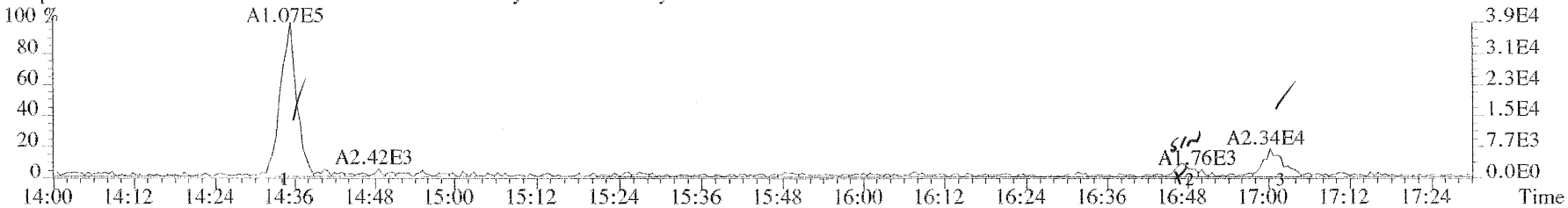
PCB-127	*	*	n	NotFnd	1.17	*		980	1060	6.94				
PCB-126	*	*	n	NotFnd	1.19	*		980	1060	7.68				
13C-PCB-126	2.59e+07	1.57	y	42:05	1.42	10500					105	3.41e+06	2.16e+06	
PCB-151	1.03e+06	1.20	y	37:48	0.93	518		-	-	*				
PCB-135	5.59e+05	1.21	y	38:01	0.95	276		-	-	*				
PCB-144	2.27e+05	1.23	y	38:07	0.93	115		-	-	*				
PCB-147	9.00e+04	1.07	y	38:14	0.96	43.6		-	-	*				
PCB-139	3.48e+06	1.22	y	38:29	0.98	1660		-	-	*		Co-elute PCB 149		
PCB-149	3.48e+06	1.22	y	38:29	0.98	1660		-	-	*		Co-elute PCB 139		
PCB-140	5.06e+04	1.15	y	38:39	0.97	24.3		-	-	*				
PCB-143	2.26e+05	1.21	y	39:05	0.81	131		-	-	*		Co-elute PCB 134		
PCB-134	2.26e+05	1.21	y	39:05	0.81	131		-	-	*		Co-elute PCB 143		
PCB-131	1.04e+05	1.18	y	39:22	0.83	58.7		-	-	*		Co-elute PCB 133		
PCB-133	1.04e+05	1.18	y	39:22	0.83	58.7		-	-	*		Co-elute PCB 131		
PCB-142	1.93e+06	1.18	y	39:31	0.83	1090		-	-	*				
PCB-165	5.93e+05	1.23	y	39:43	1.12	249		-	-	*		Co-elute PCB 146		
PCB-146	5.93e+05	1.23	y	39:43	1.12	249		-	-	*		Co-elute PCB 165		
PCB-161	1.04e+06	1.17	y	39:59	1.04	470		-	-	*		Co-elute PCB 132		
PCB-132	1.04e+06	1.17	y	39:59	1.04	470		-	-	*		Co-elute PCB 161		
PCB-153	3.22e+06	1.20	y	40:06	1.08	1400		-	-	*				
PCB-168	*	*	n	NotFnd	1.19	*		1050	968	8.85				
PCB-141	4.99e+05	1.35	y	40:49	0.94	248		-	-	*				
PCB-137	1.47e+05	1.24	y	41:10	0.98	70.3		-	-	*				
PCB-130	1.81e+05	1.22	y	41:15	0.76	112		-	-	*				
PCB-138	3.12e+06	1.24	y	41:37	1.11	1310		-	-	*		Co-elute PCB 163/164		
PCB-163	3.12e+06	1.24	y	41:37	1.11	1310		-	-	*		Co-elute PCB 138/164		
PCB-164	3.12e+06	1.24	y	41:37	1.11	1310		-	-	*		Co-elute PCB 138/163		
PCB-158	3.75e+05	1.28	y	41:50	1.25	140		-	-	*		Co-elute PCB 160		
PCB-160	3.75e+05	1.28	y	41:50	1.25	140		-	-	*		Co-elute PCB 158		
PCB-129	1.15e+05	1.31	y	42:05	0.78	68.3		-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*		1050	968	8.64				
PCB-159	5.68e+04	1.39	y	42:51	1.31	20.3		-	-	*				
PCB-128	4.08e+05	1.22	y	43:05	1.04	184		-	-	*		Co-elute PCB 162		
PCB-162	4.08e+05	1.22	y	43:05	1.04	184		-	-	*		Co-elute PCB 128		
PCB-167	1.04e+05	1.20	y	43:28	1.20	39.5		-	-	*				
13C-PCB-167	2.20e+07	1.29	y	43:25	1.18	10800					108	2.60e+06	2.04e+06	
PCB-156	2.10e+05	1.10	y	44:41	1.29	78.1		-	-	*				
13C-PCB-156	2.09e+07	1.31	y	44:39	1.15	10500					105	2.59e+06	1.99e+06	
PCB-157	4.91e+04	1.08	y	44:56	1.21	18.8	J	-	-	*				
13C-PCB-157	2.15e+07	1.30	y	44:54	1.17	10600					106	2.49e+06	1.93e+06	
PCB-169	*	*	n	NotFnd	1.17	*		1050	968	7.52				
13C-PCB-169	2.12e+07	1.29	y	46:46	1.18	10400					104	3.21e+06	2.53e+06	

FAL ID: 13373-007-0001-SA Filename: 26OCT20Z Sam:10 Acquired: 26-OCT-20 18:45:16 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CB-S010-BIO ConCal: ST10262021 EndCal: ST10262022
Results: 13373-4 GC Column: DB1MS Amount: 1.000

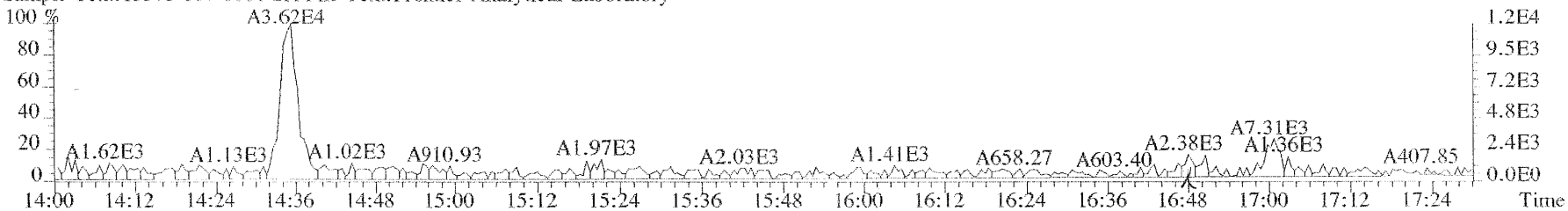
PCB-188	*	*	n	NotFnd	1.16	*		620	632	7.78			
13C-PCB-188	1.56e+07	1.09	y	39:43	0.93	9780					97.8	1.80e+06	1.67e+06
PCB-184	1.29e+07	1.08	y	40:11	1.25	6830		-	-	*			
PCB-179	3.03e+05	1.15	y	40:54	1.20	167		-	-	*			
PCB-176	9.69e+04	1.09	y	41:22	1.15	55.6		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		620	632	6.63			
PCB-178	8.92e+04	1.15	y	42:23	0.85	69.2		-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*		620	632	8.76			
PCB-187	4.62e+05	1.10	y	42:51	0.95	321		-	-	*		Co-elute PCB 182	
PCB-182	4.62e+05	1.10	y	42:51	0.95	321		-	-	*		Co-elute PCB 187	
PCB-183	2.25e+05	1.09	y	43:10	0.94	158		-	-	*			
PCB-185	4.80e+04	1.11	y	43:50	0.88	36.0		-	-	*			
PCB-174	3.20e+05	1.10	y	44:08	0.87	244		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		620	632	8.78			
PCB-177	1.79e+05	1.11	y	44:24	0.82	144		-	-	*			
PCB-171	8.56e+04	1.13	y	44:41	0.87	65.1		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		620	632	9.75			
PCB-172	2.16e+05	1.15	y	45:27	0.83	172		-	-	*			
PCB-192	8.71e+06	1.05	y	45:38	1.09	5290		-	-	*			
PCB-180	5.69e+05	1.15	y	45:48	0.85	444		-	-	*			
PCB-193	5.09e+04	1.01	y	46:00	1.17	28.6		-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*		620	632	6.90			
PCB-170	1.98e+05	1.12	y	47:06	0.85	154		-	-	*			
PCB-190	6.65e+04	1.13	y	47:16	1.13	38.8		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		620	632	5.67			
13C-PCB-189	1.46e+07	1.09	y	48:26	0.88	9550					95.5	2.47e+06	2.28e+06
PCB-202	2.42e+04	0.86	y	44:51	1.08	22.9		-	-	*			
PCB-201	*	*	n	NotFnd	1.18	*		296	356	6.64			
PCB-204	1.61e+07	0.92	y	45:27	1.18	13900		-	-	*			
PCB-197	9.14e+04	0.93	y	45:42	1.23	76.1		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		296	356	6.48			
PCB-198	*	*	n	NotFnd	0.88	*		296	356	8.96			
PCB-199	6.22e+04	0.85	y	47:44	0.90	70.7		-	-	*			
PCB-203	7.48e+04	0.78	y	47:58	0.96	79.2		-	-	*		Co-elute PCB 196	
PCB-196	7.48e+04	0.78	y	47:58	0.96	79.2		-	-	*		Co-elute PCB 203	
13C-PCB-202	9.79e+06	0.93	y	44:51	0.68	8320					83.2	1.01e+06	1.07e+06
13C-PCB-178	1.09e+07	1.08	y	42:21	0.71	8900					89.0	1.28e+06	1.16e+06
13C-PCB-138	1.73e+07	1.28	y	41:35	-	74.4							
PCB-195	4.94e+04	0.78	y	49:04	0.85	26.5		-	-	*			
PCB-194	1.16e+05	0.82	y	49:51	0.96	55.3		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1310	1960	9.35			
13C-PCB-205	2.19e+07	0.89	y	50:05	1.22	10400					104	3.61e+06	4.03e+06
PCB-208	*	*	n	NotFnd	1.12	*		640	728	4.50			
13C-PCB-208	2.04e+07	0.80	y	49:10	1.00	11700					117	3.03e+06	3.77e+06
PCB-207	1.11e+05	1.50	y	49:28	1.24	51.1		-	-	*			
PCB-206	2.85e+04	1.42	y	51:19	1.15	16.9	J	-	-	*			
13C-PCB-206	1.47e+07	0.79	y	51:17	0.77	11000					110	2.05e+06	2.58e+06
PCB-209	1.14e+05	1.31	y	52:29	1.24	65.9		-	-	*			
13C-PCB-209	1.40e+07	1.23	y	52:29	0.79	10200					102	2.48e+06	2.01e+06
13C-PCB-194	1.74e+07	0.91	y	49:51	-	71.0							

Analyst: _____ Date: 10/30/20

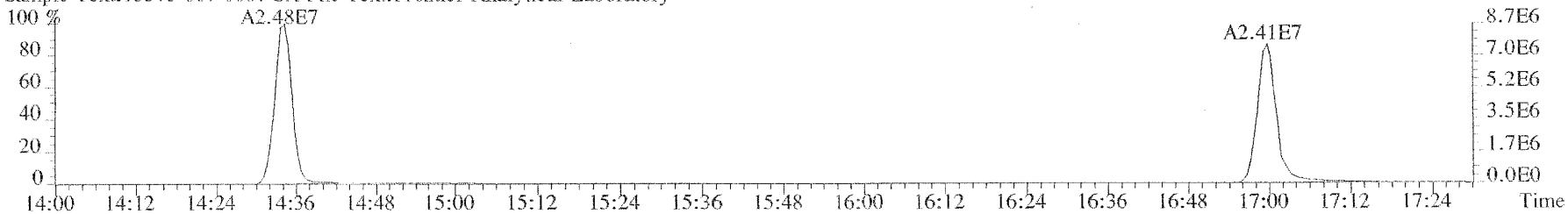
File:26OCT20Z #1-783 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



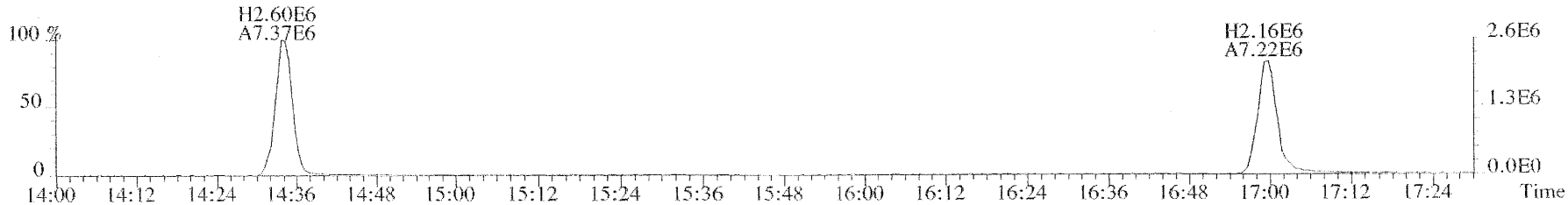
File:26OCT20Z #1-783 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



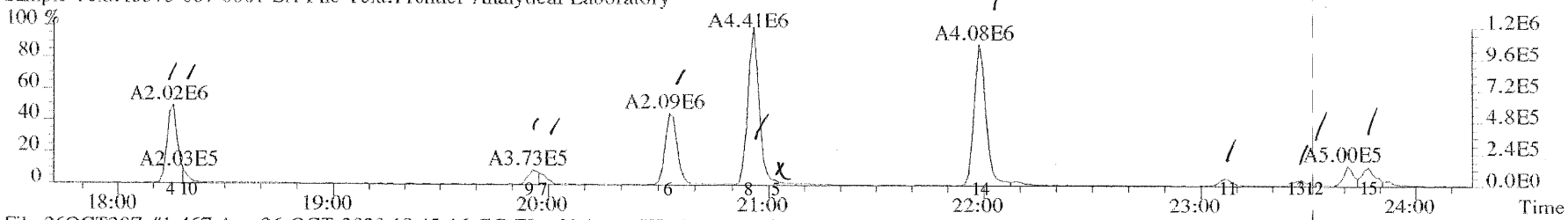
File:26OCT20Z #1-783 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



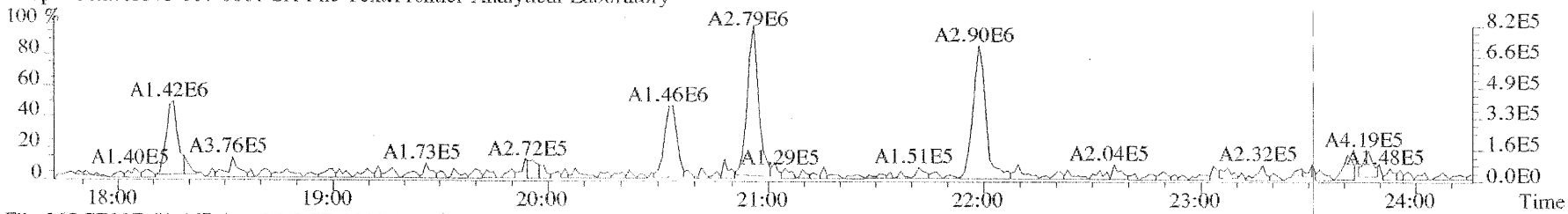
File:26OCT20Z #1-783 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



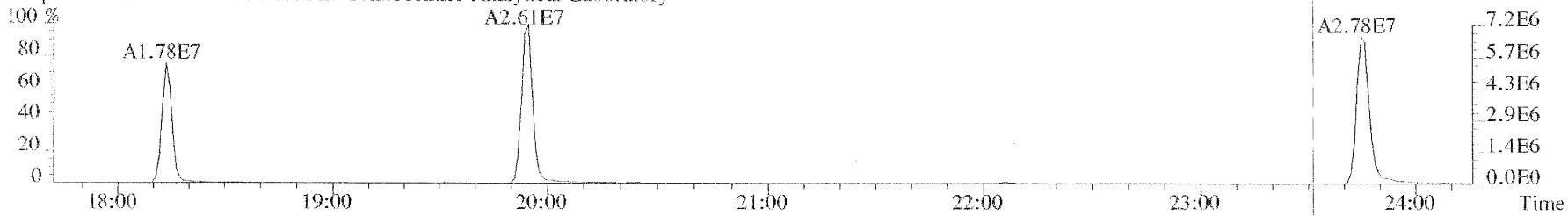
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



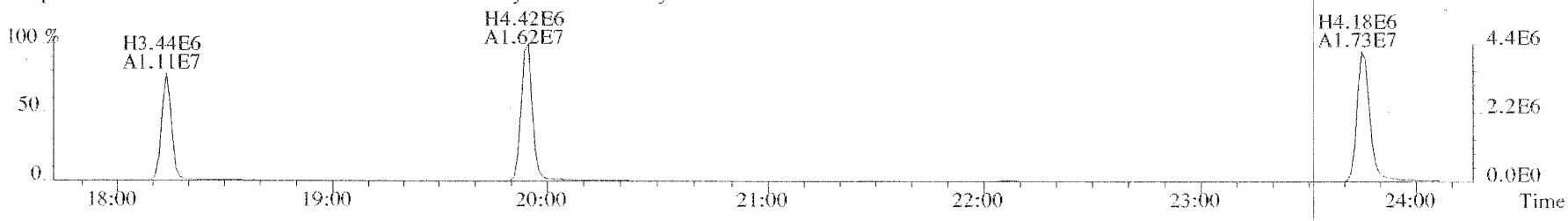
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



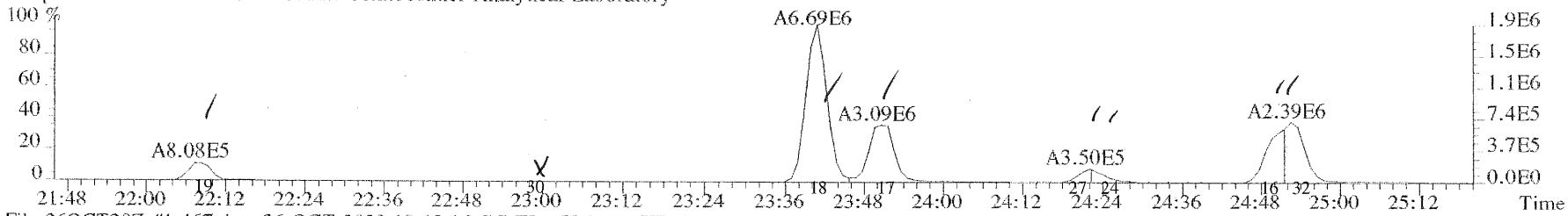
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



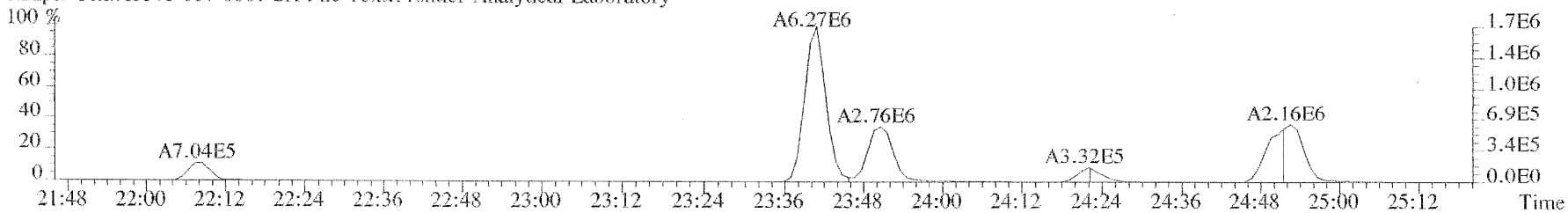
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



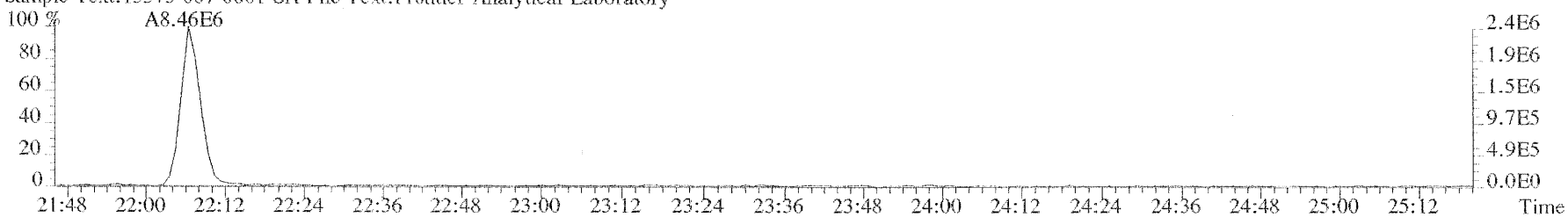
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



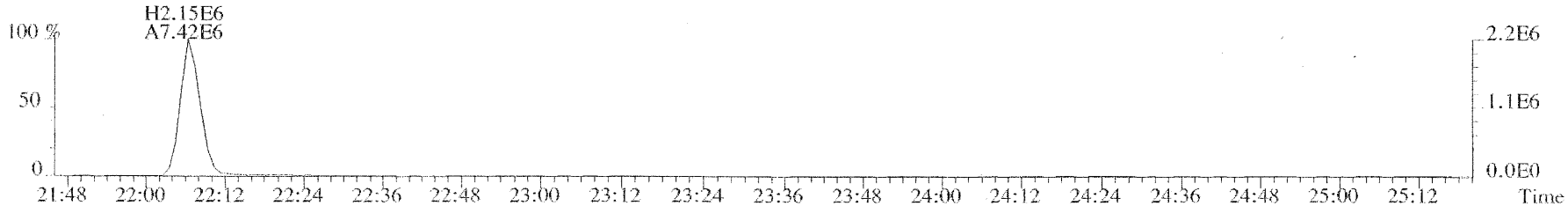
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



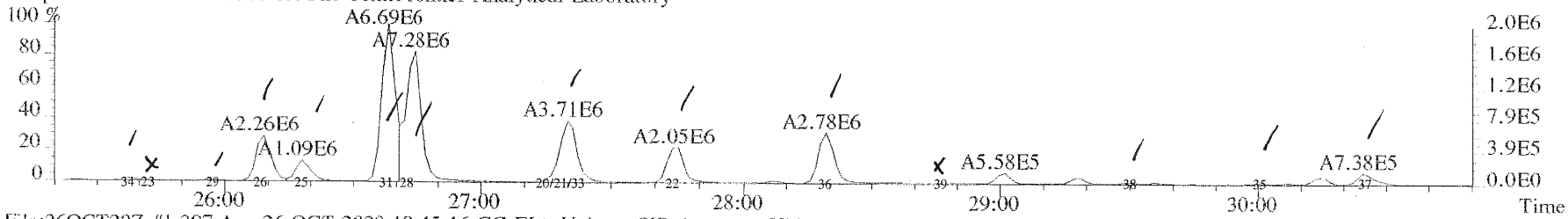
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



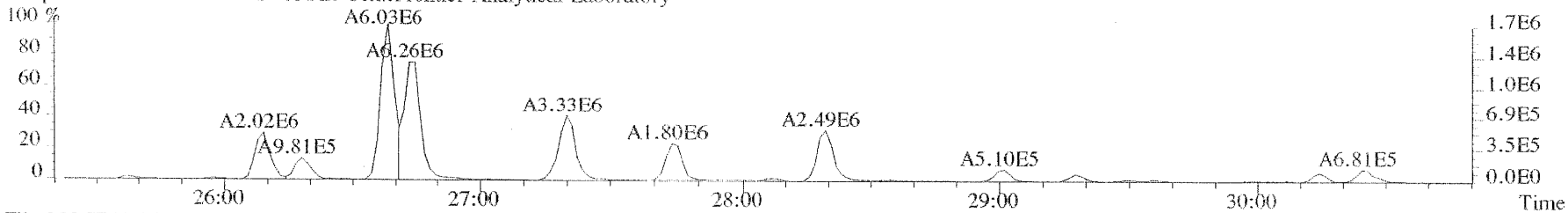
File:26OCT20Z #1-467 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



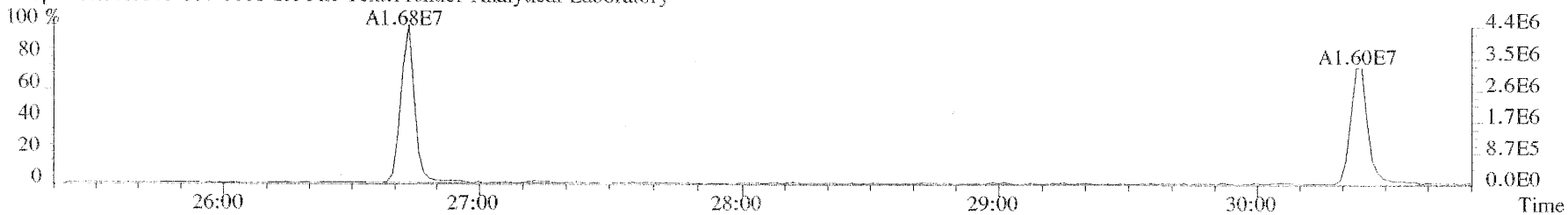
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



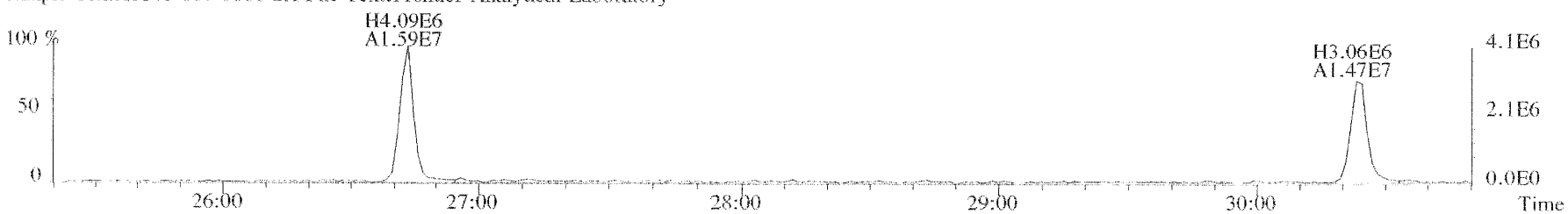
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



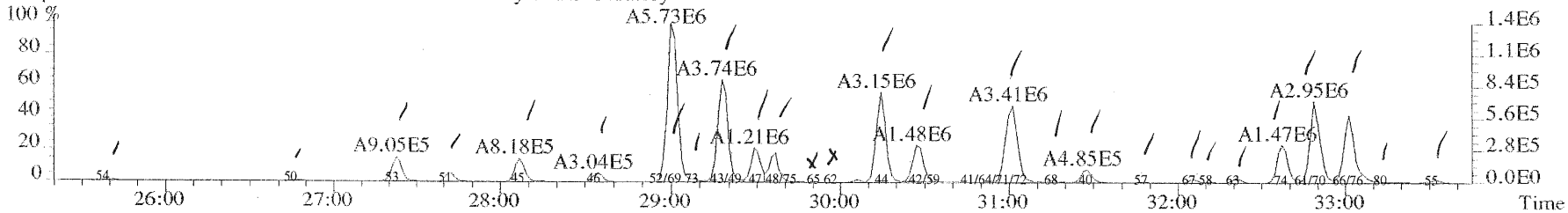
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



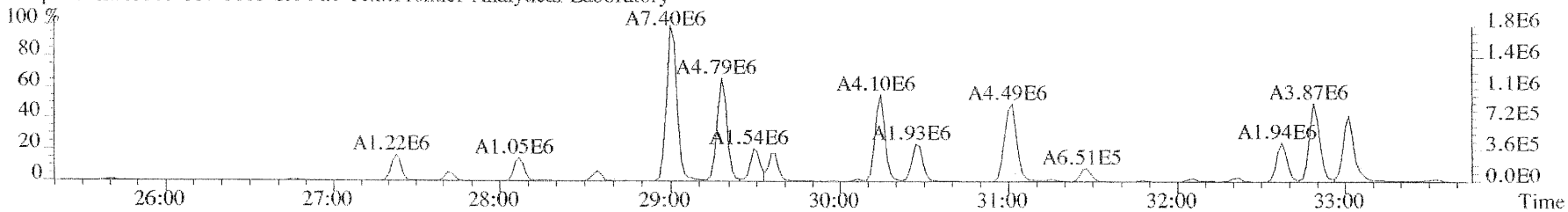
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



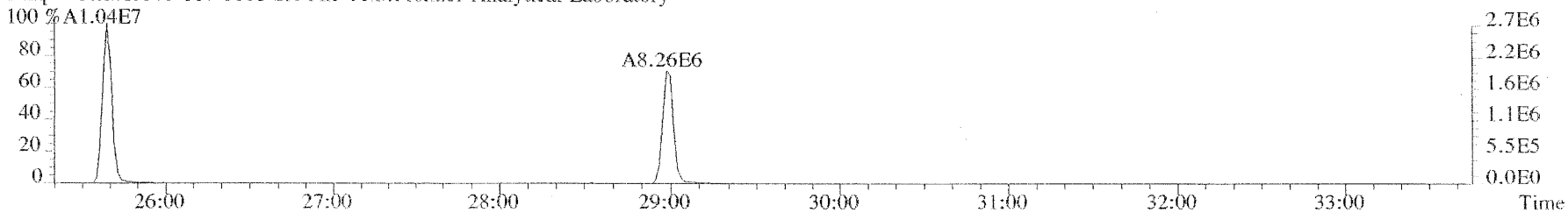
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



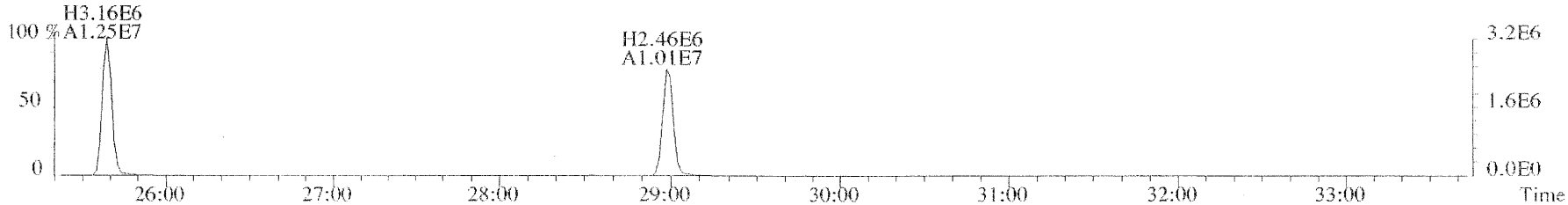
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



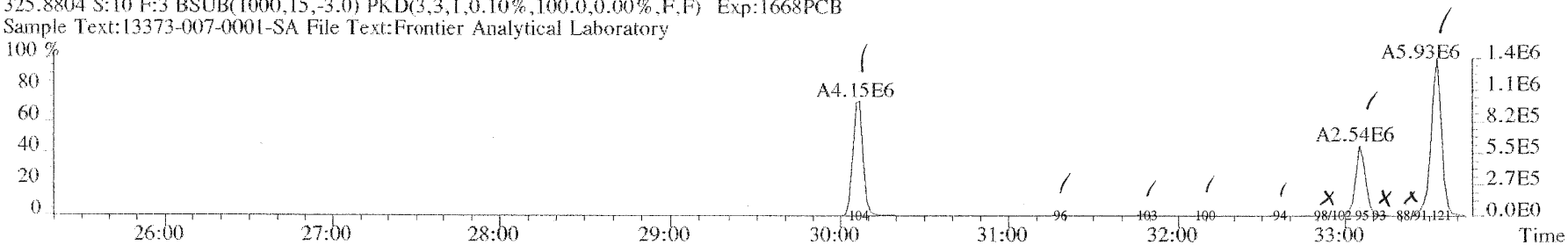
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



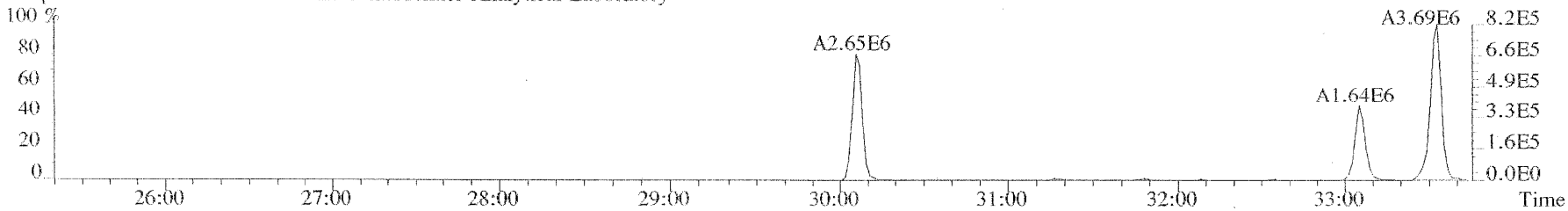
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



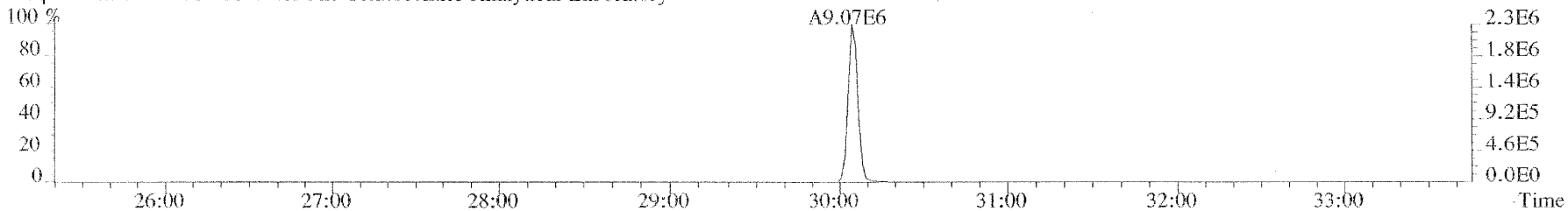
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



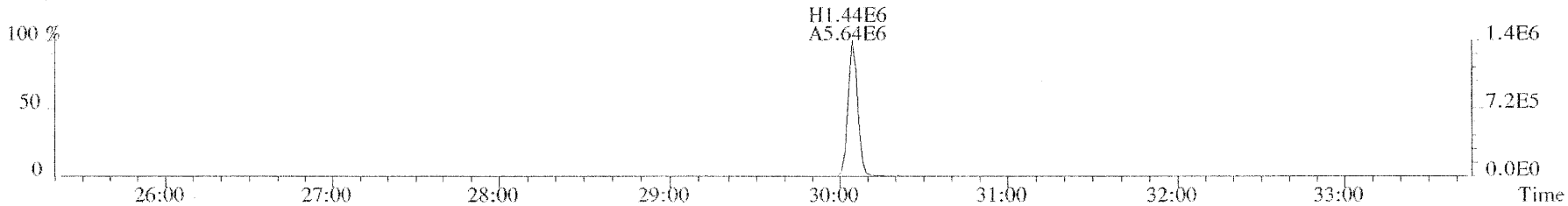
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



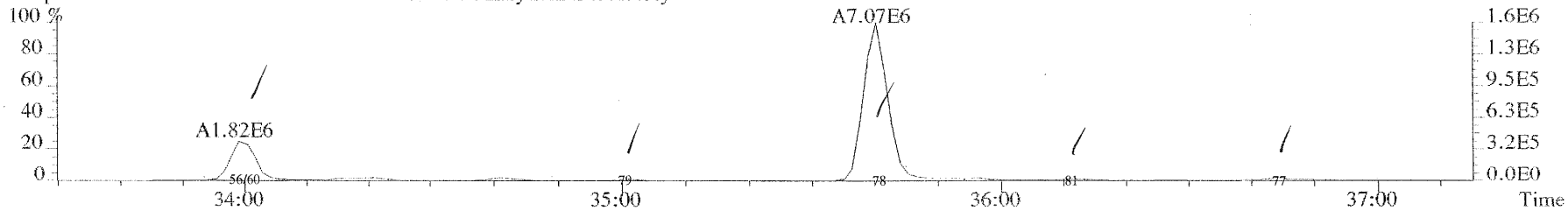
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



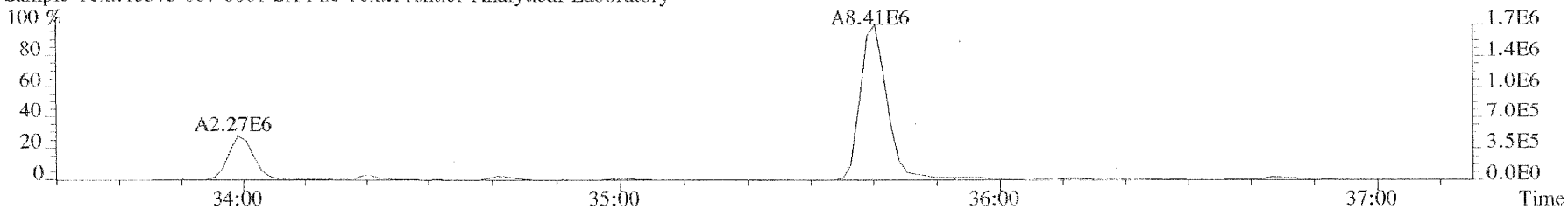
File:26OCT20Z #1-397 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



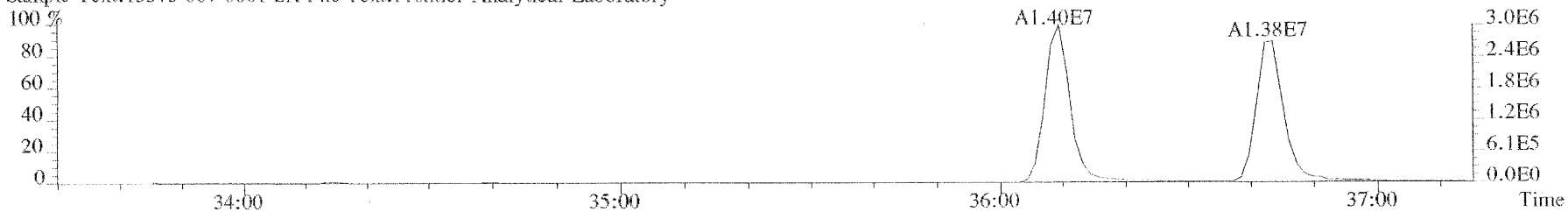
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



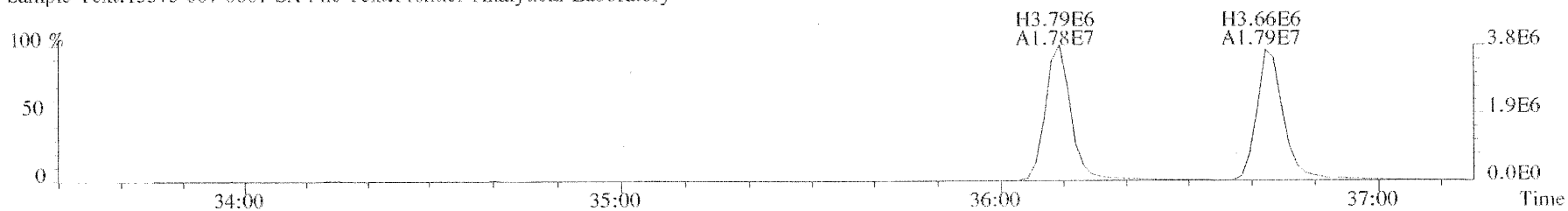
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



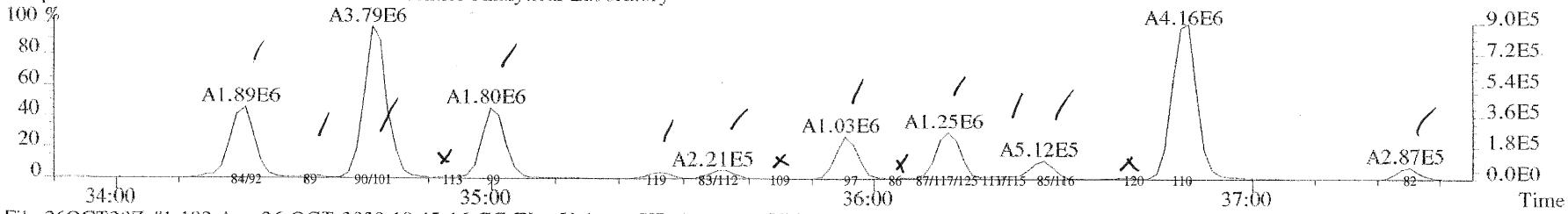
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



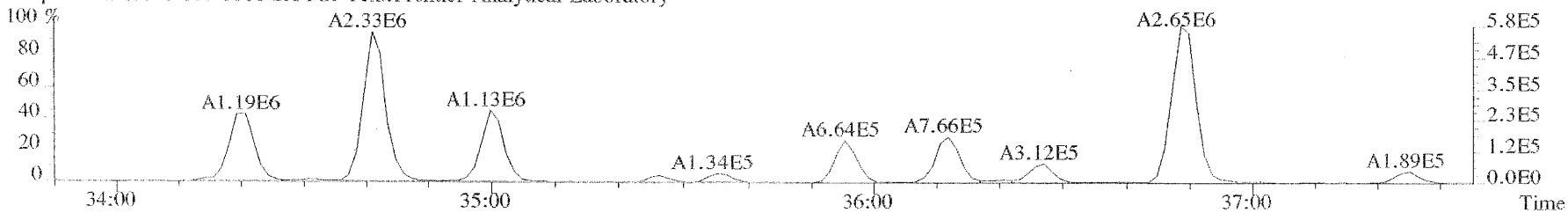
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



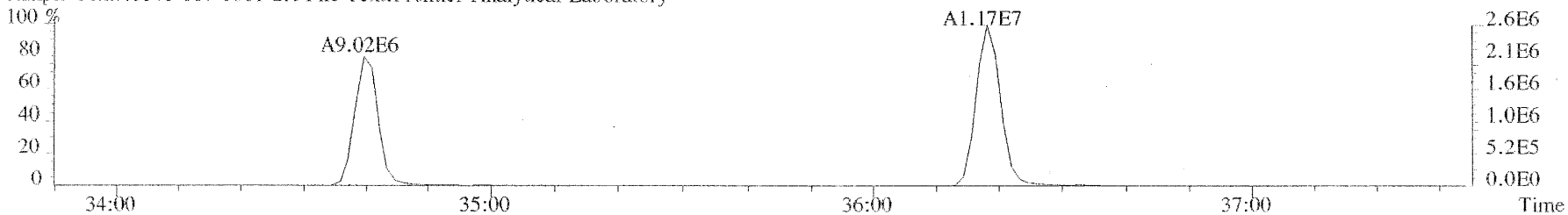
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



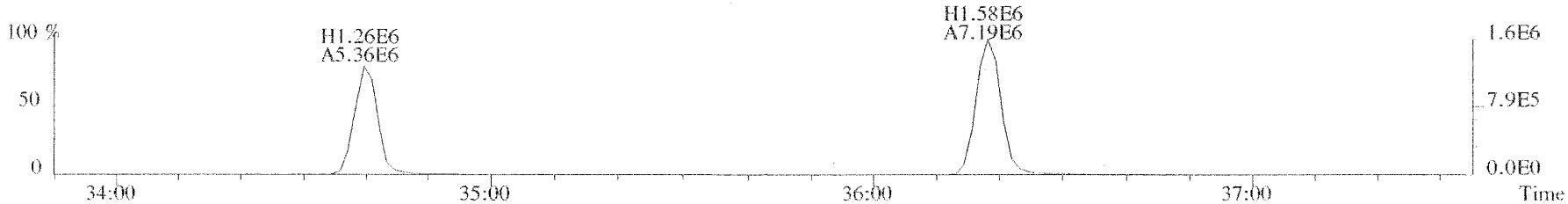
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



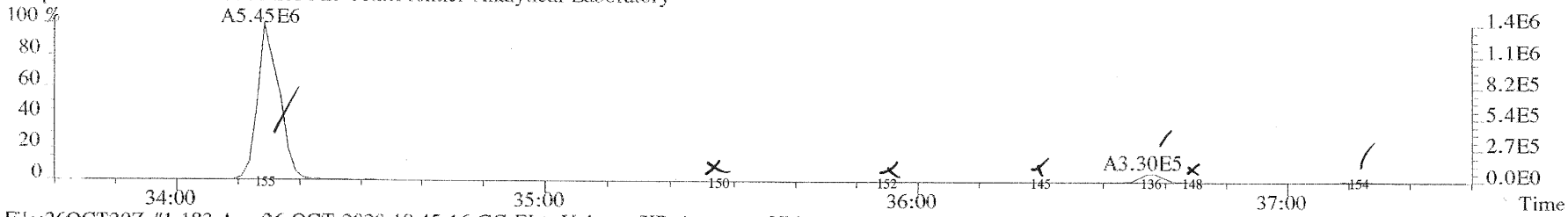
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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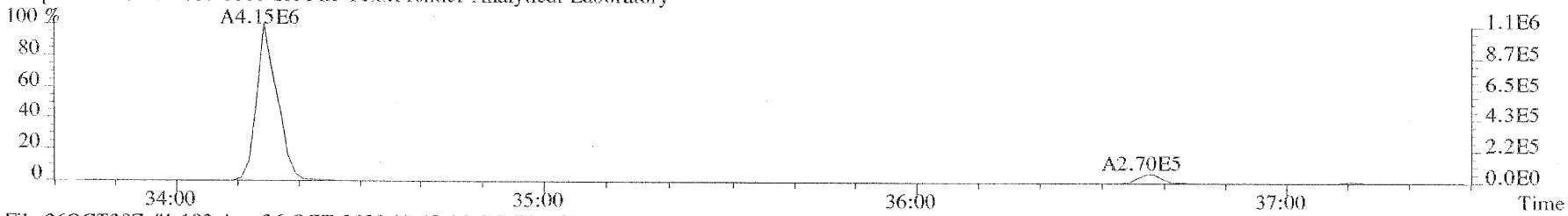
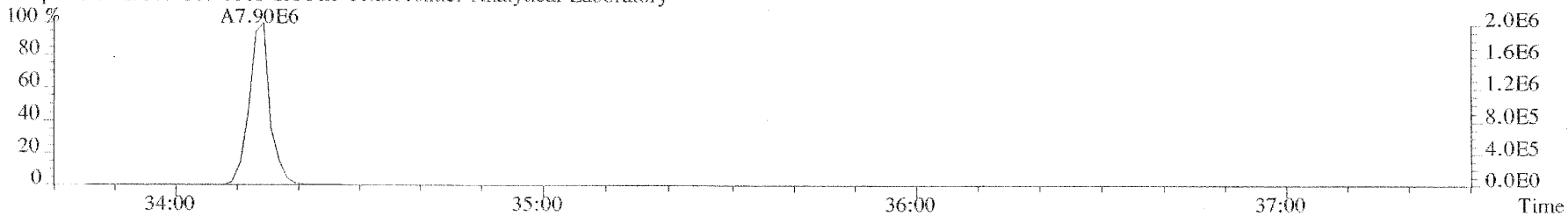
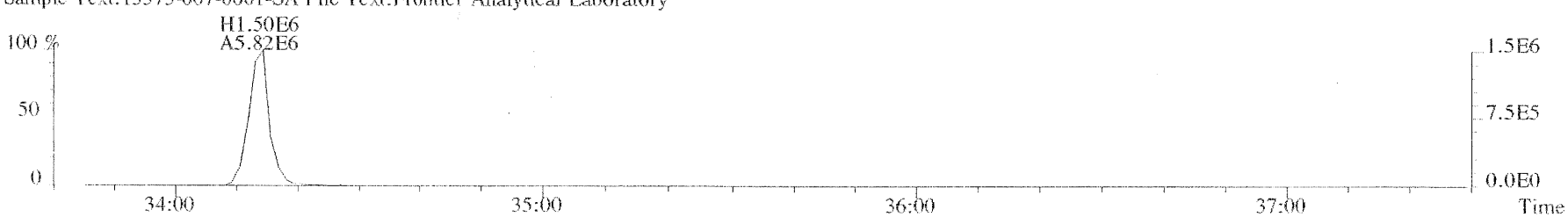
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



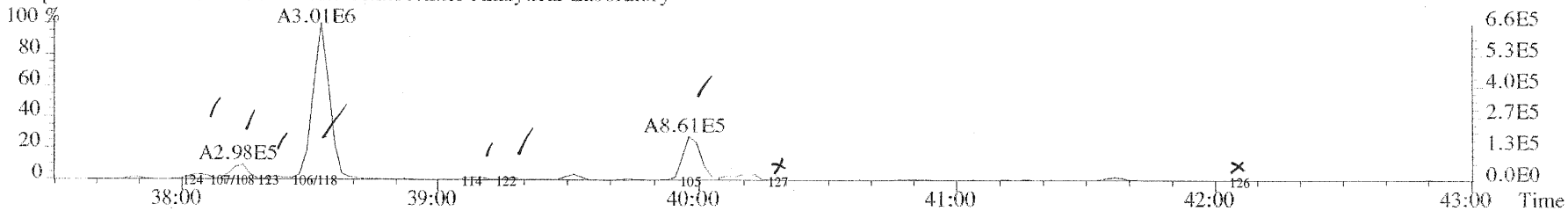
File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-183 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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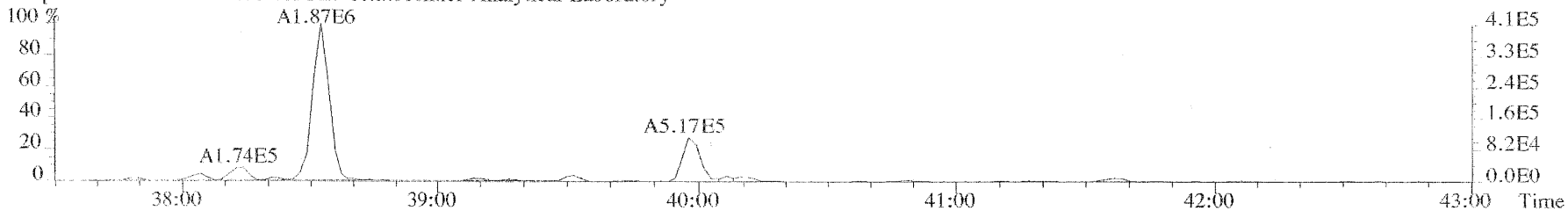
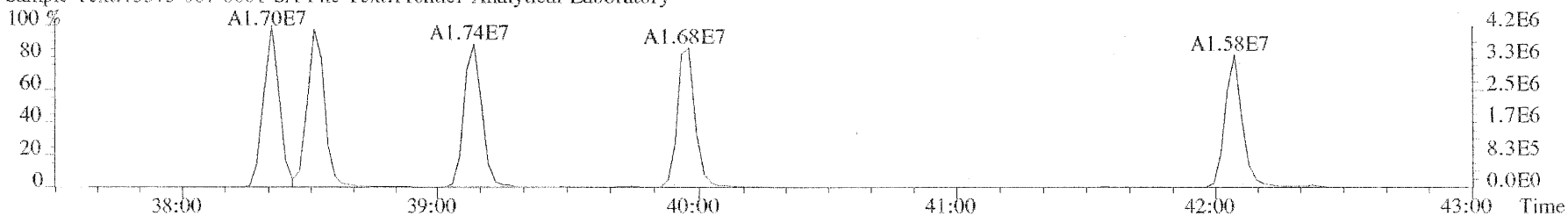
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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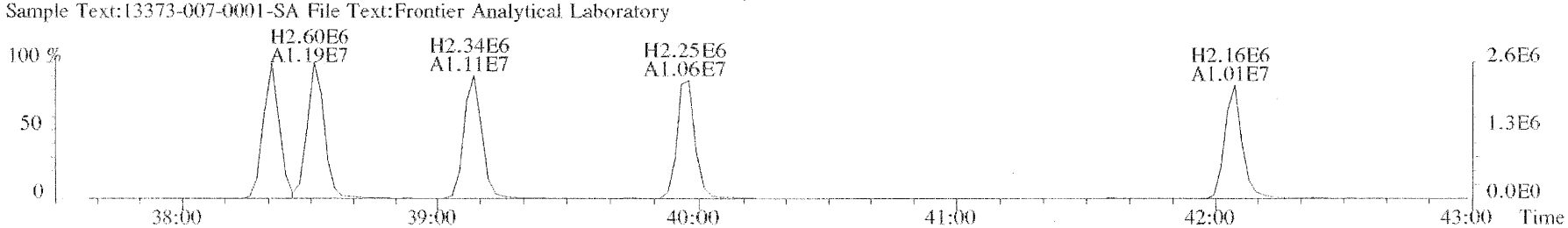
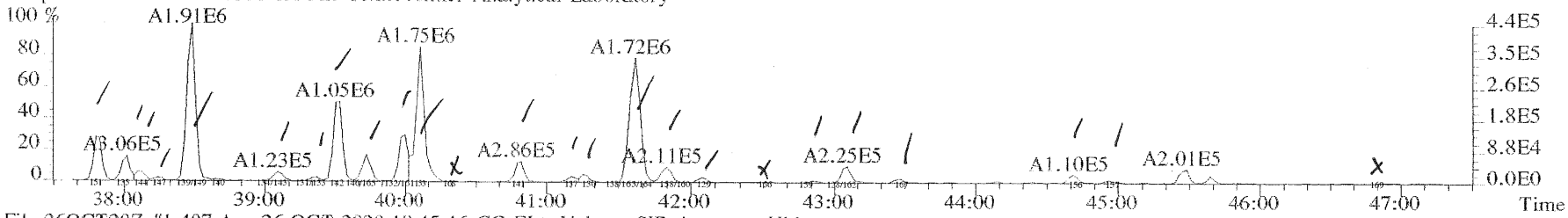
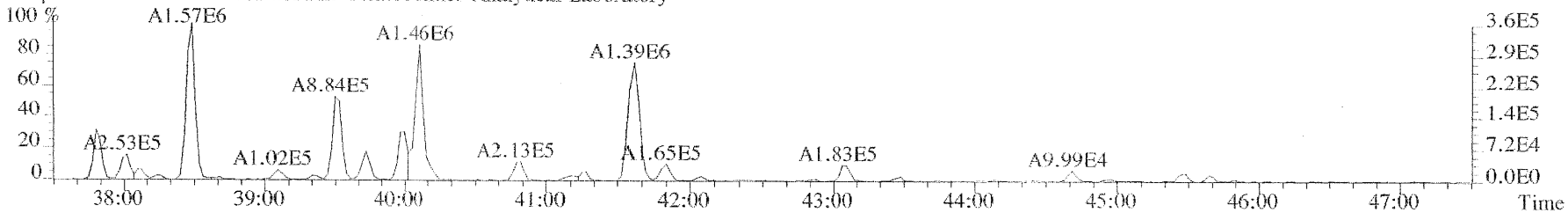
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



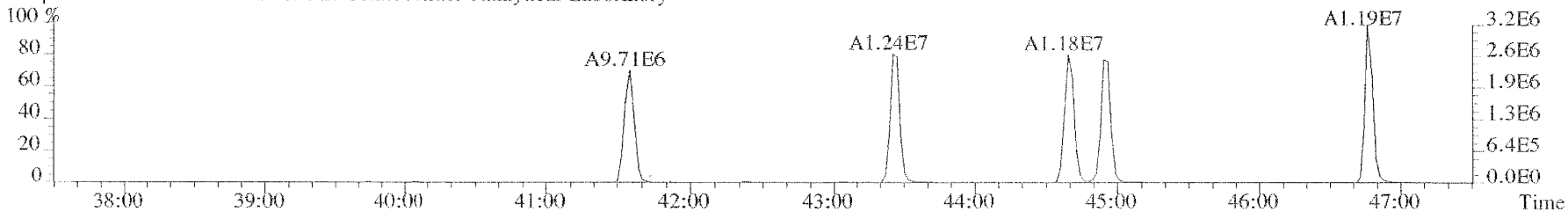
File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
361.8385 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
371.8817 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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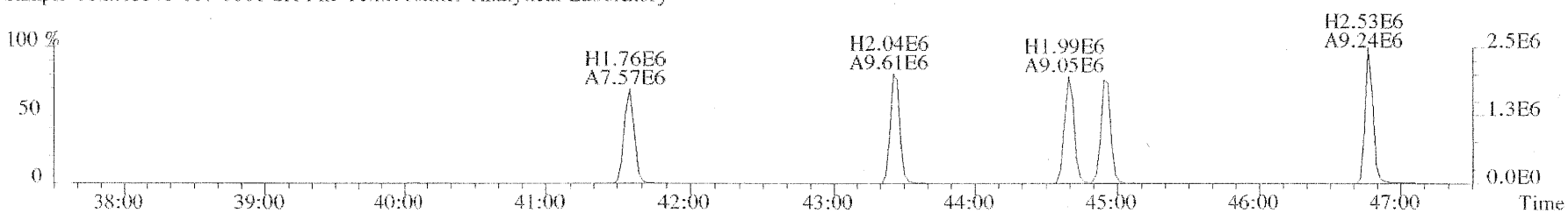
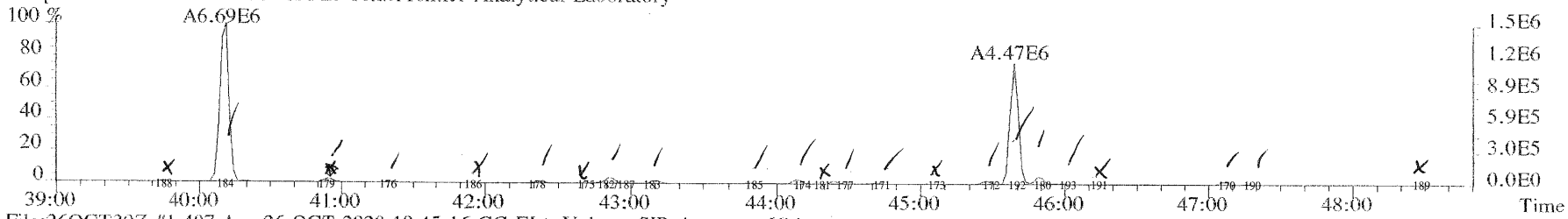
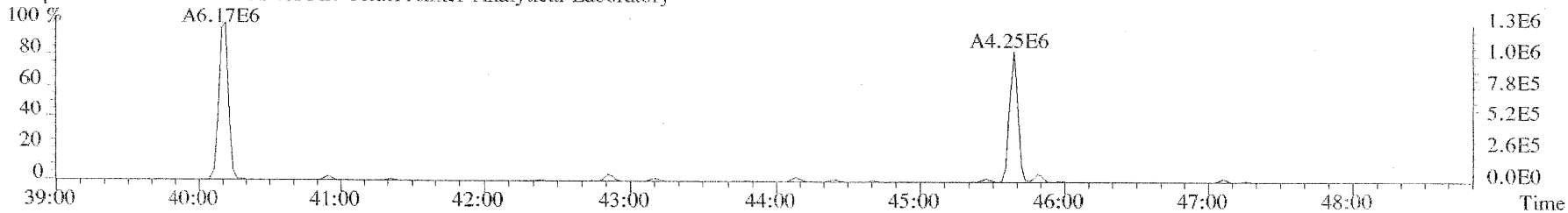
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



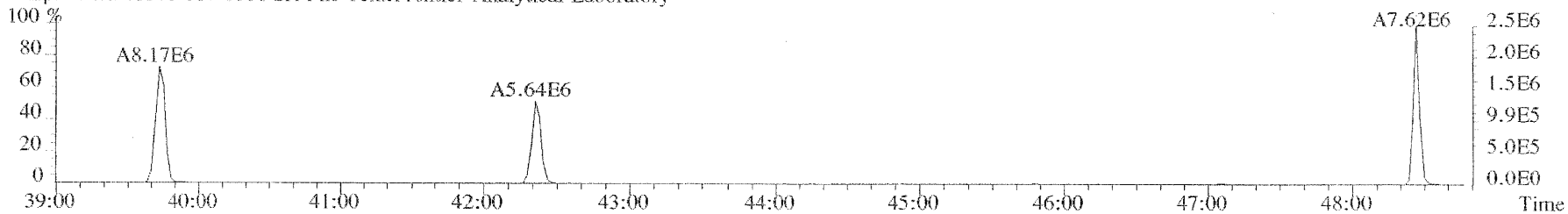
File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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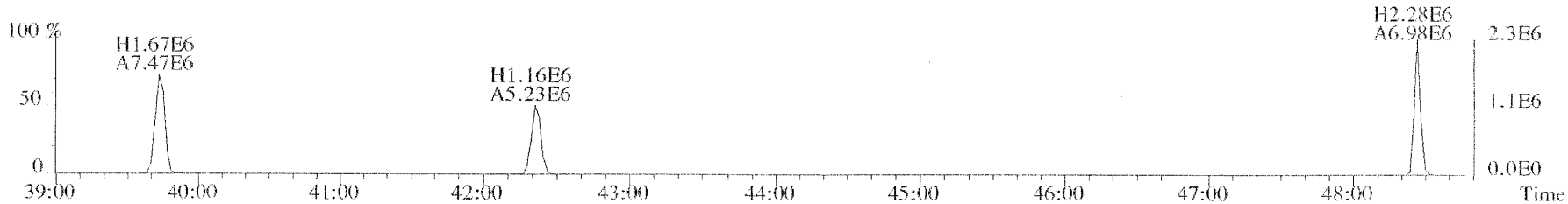
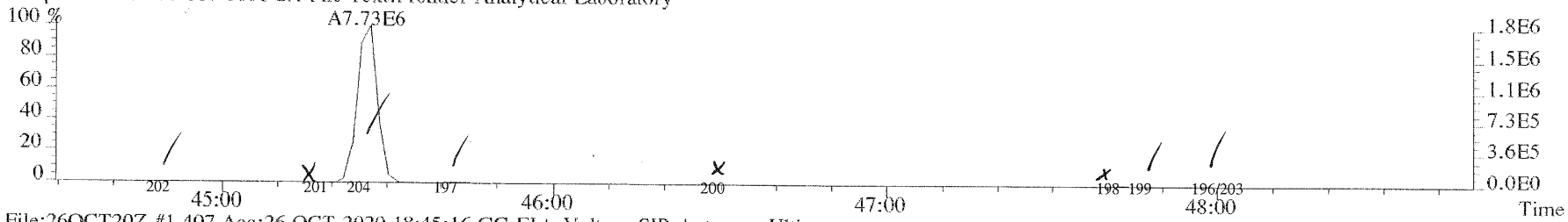
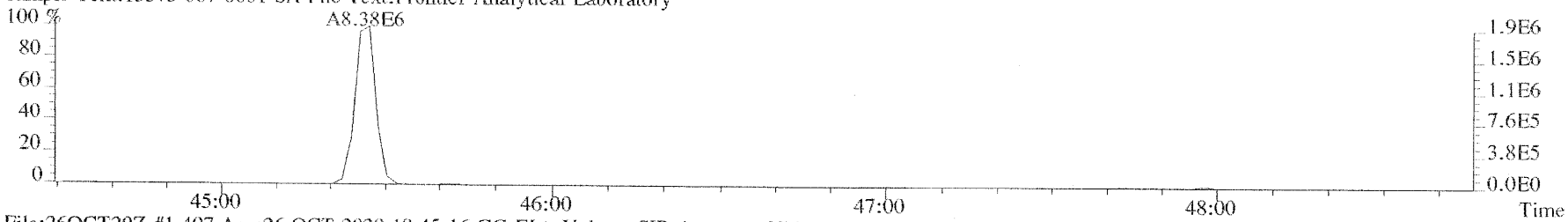
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



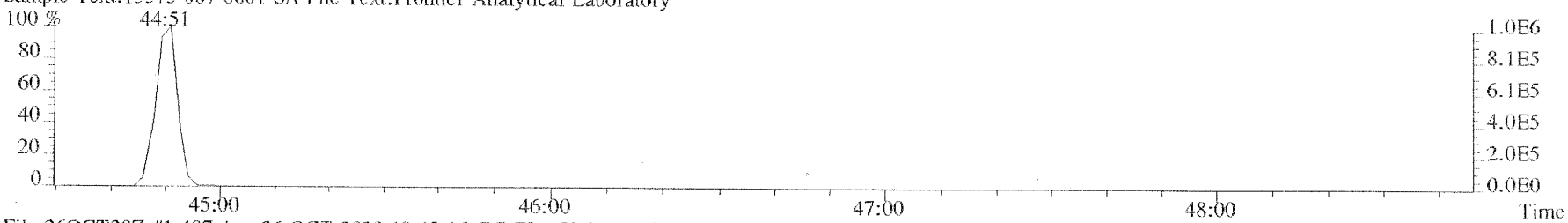
File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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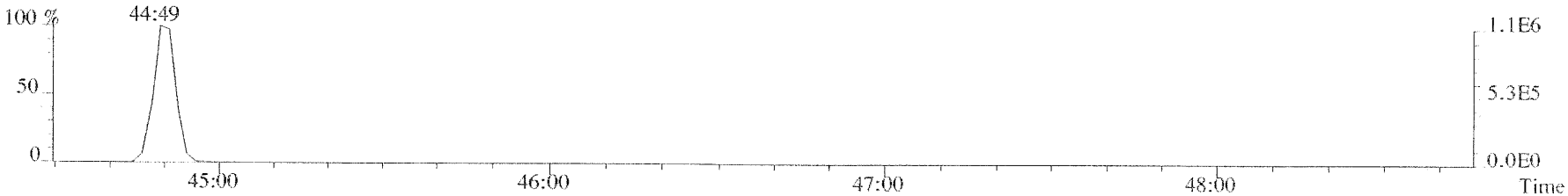
441.8008 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
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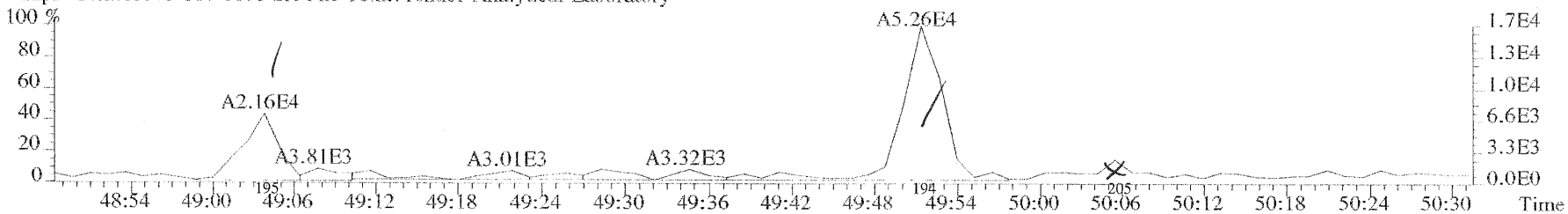

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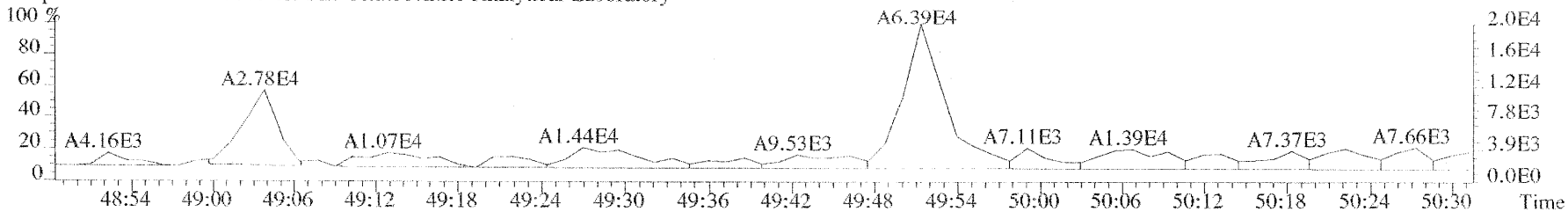

File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
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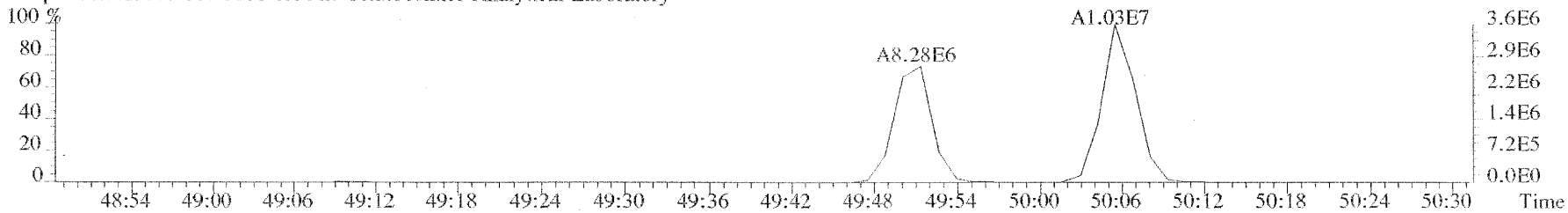

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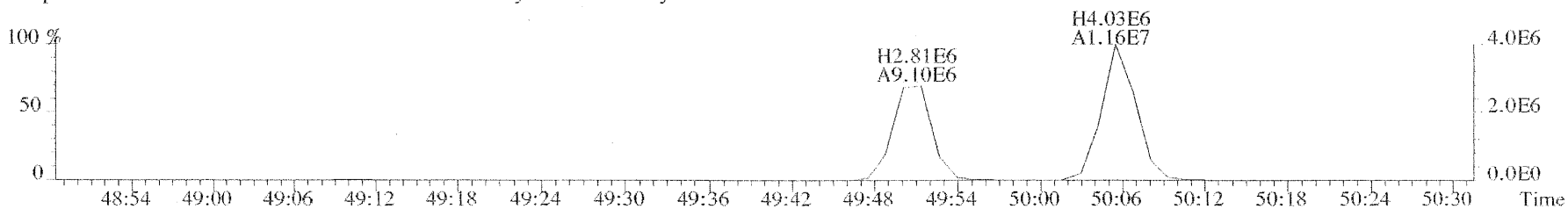
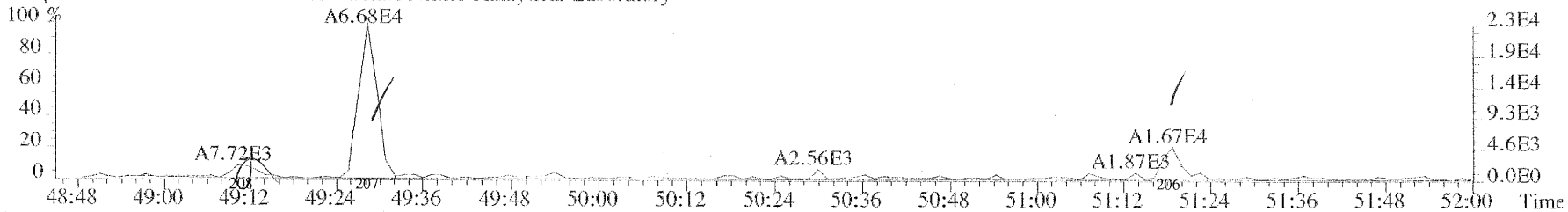
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
463.7216 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
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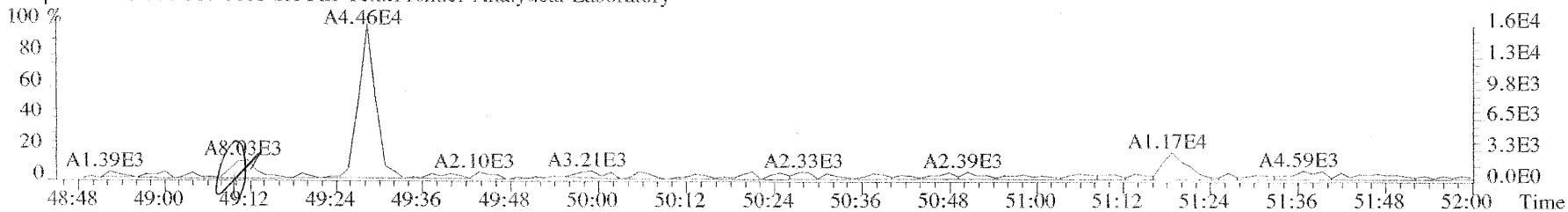
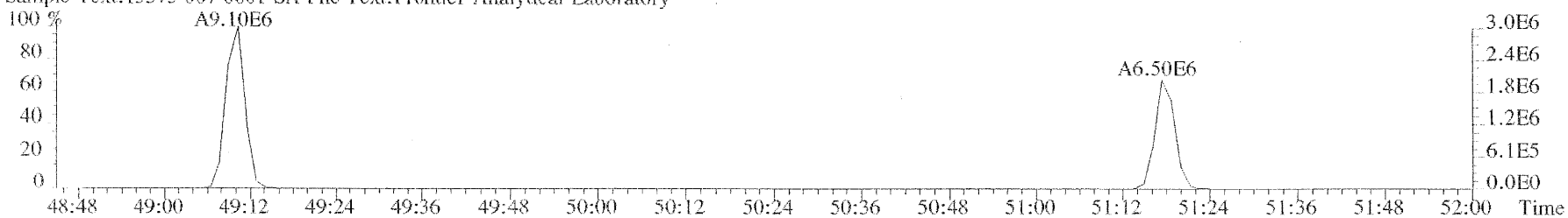
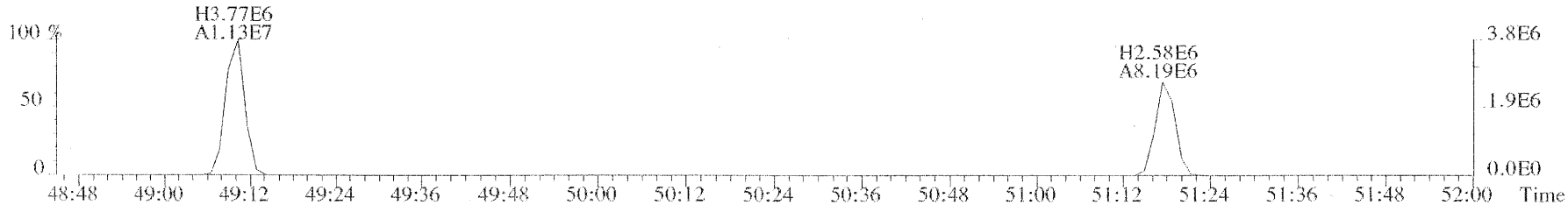
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



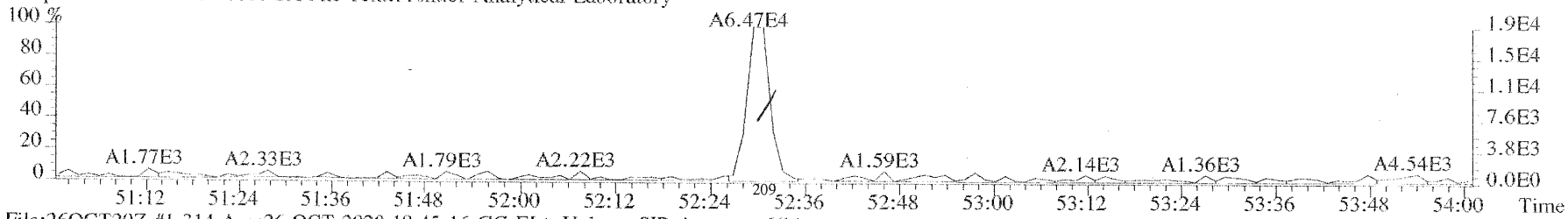
File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



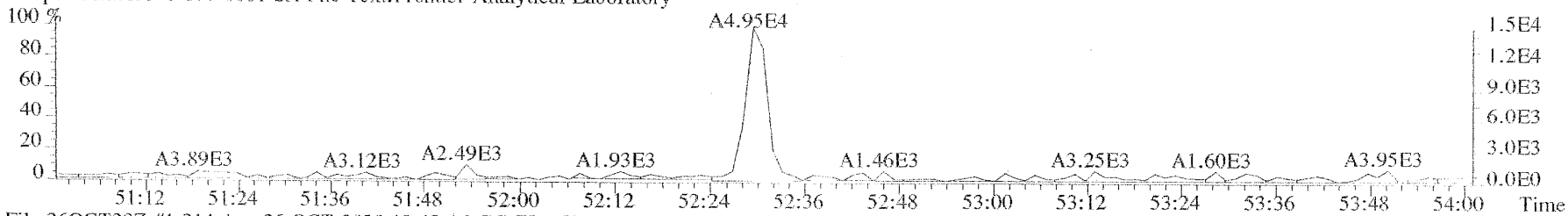
File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 18:45:16 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:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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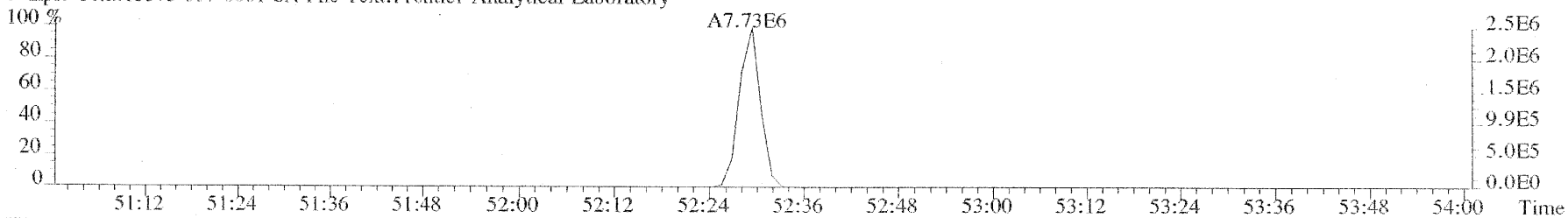
509.7229 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



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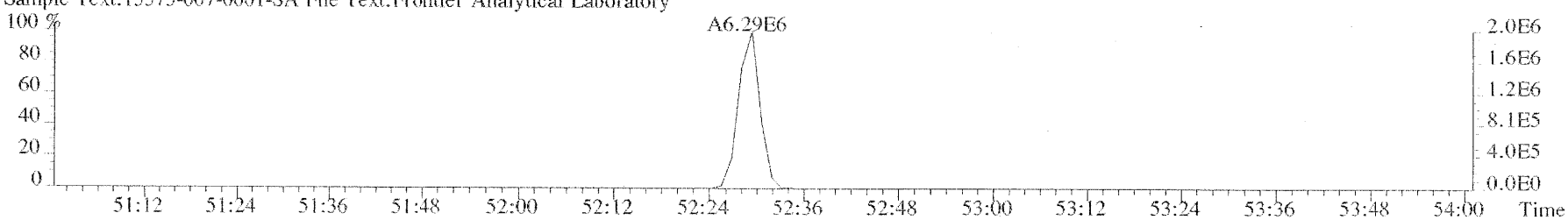
511.7199 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-008-0001-SA Filename: 26OCT20Z Sam:11 Acquired: 26-OCT-20 19:43:38 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CC-S010 ConCal: ST10262OZ1 EndCal: ST10262OZ2
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	6.31e+04	3.22 y	14:35	1.30	15.2	J	-	-	*			
13C-PCB-1	3.21e+07	3.30 y	14:34	0.83	9840					98.4	8.39e+06	2.58e+06
PCB-2	*	* n	NotFnd	1.33	*		1160	1000	3.98			
PCB-3	*	* n	NotFnd	1.34	*		1160	1000	4.28			
13C-PCB-3	3.02e+07	3.30 y	17:00	0.80	9550					95.5	7.27e+06	2.16e+06
PCB-4	1.19e+06	1.53 y	18:15	1.01	414		-	-	*			
PCB-10	1.19e+05	1.48 y	18:19	1.43	22.9		-	-	*			
13C-PCB-4	2.85e+07	1.62 y	18:14	0.64	11400					114	5.20e+06	3.15e+06
PCB-9	1.82e+05	1.51 y	19:56	1.34	37.5		-	-	*			
PCB-7	1.36e+05	1.48 y	19:57	1.40	26.8		-	-	*			
PCB-6	1.05e+06	1.55 y	20:33	1.35	215		-	-	*			
PCB-8	2.79e+06	1.48 y	20:55	1.33	579		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		756	3770	8.64			
PCB-14	3.29e+06	1.47 y	21:59	1.37	664		-	-	*			
PCB-11	3.01e+05	1.41 y	23:07	1.34	62.2		-	-	*			
PCB-13	1.05e+05	1.54 y	23:26	1.39	20.8		-	-	*			
PCB-12	5.43e+04	1.45 y	23:28	1.30	11.6	J	-	-	*			
PCB-15	6.31e+05	1.56 y	23:46	1.24	116		-	-	*			
13C-PCB-15	4.40e+07	1.64 y	23:45	1.02	10900					109	6.67e+06	4.09e+06
PCB-19	5.30e+05	1.06 y	22:08	1.31	265		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2850	452	9.63			
PCB-18	5.01e+06	1.08 y	23:40	1.36	2420		-	-	*			
PCB-17	2.36e+06	1.15 y	23:51	1.48	1040		-	-	*			
PCB-27	2.60e+05	1.17 y	24:21	1.93	88.3		-	-	*			
PCB-24	3.26e+05	1.16 y	24:22	1.97	108		-	-	*			
PCB-16	1.38e+06	1.13 y	24:51	1.66	546		-	-	*			
PCB-32	1.88e+06	1.11 y	24:53	1.65	746		-	-	*			
13C-PCB-19	1.53e+07	1.14 y	22:07	0.40	9710					97.1	2.34e+06	1.95e+06
13C-PCB-9	3.94e+07	1.63 y	19:54	-	72.7							
PCB-34	6.93e+04	1.12 y	25:38	1.16	20.5		-	-	*			
PCB-23	*	* n	NotFnd	1.15	*		1050	1230	7.87			
PCB-29	6.00e+04	1.18 y	25:57	1.19	17.1	J	-	-	*			
PCB-26	1.37e+06	1.11 y	26:08	1.17	399		-	-	*			
PCB-25	8.21e+05	1.19 y	26:18	1.14	246		-	-	*			
PCB-31	5.78e+06	1.13 y	26:37	1.18	1670		-	-	*			
PCB-28	6.01e+06	1.11 y	26:45	1.34	1530		-	-	*			
PCB-20	3.14e+06	1.14 y	27:20	1.12	958		-	-	*		Co-elute PCB 21/33	
PCB-21	3.14e+06	1.14 y	27:20	1.12	958		-	-	*		Co-elute PCB 20/33	
PCB-33	3.14e+06	1.14 y	27:20	1.12	958		-	-	*		Co-elute PCB 20/21	
PCB-22	1.92e+06	1.09 y	27:44	1.22	539		-	-	*			
PCB-36	2.51e+06	1.12 y	28:20	1.17	733		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1050	1230	7.40			
PCB-38	9.08e+04	1.05 y	29:31	1.28	24.2		-	-	*			
PCB-35	*	* n	NotFnd	1.22	*		1050	1230	7.41			
PCB-37	7.90e+05	1.11 y	30:25	1.20	224		-	-	*			
13C-PCB-37	2.93e+07	1.07 y	30:24	1.83	9190					91.9	3.27e+06	3.05e+06

PCB-54	4.06e+04	0.73	y	25:39	1.30	13.4	J	-	-	*			
PCB-50	4.92e+04	0.72	y	26:45	1.04	20.3		-	-	*			
PCB-53	1.05e+06	0.76	y	27:22	1.02	442		-	-	*			
PCB-51	3.58e+05	0.69	y	27:42	1.08	142		-	-	*			
PCB-45	9.01e+05	0.76	y	28:07	0.91	427		-	-	*			
PCB-46	3.29e+05	0.80	y	28:34	0.89	159		-	-	*			
PCB-52	6.99e+06	0.76	y	29:00	1.15	2600		-	-	*	Co-elute PCB 69		
PCB-69	6.99e+06	0.76	y	29:00	1.15	2600		-	-	*	Co-elute PCB 52		
PCB-73	1.70e+05	0.74	y	29:05	1.28	57.1		-	-	*			
PCB-43	4.46e+06	0.76	y	29:18	1.00	1910		-	-	*	Co-elute PCB 49		
PCB-49	4.46e+06	0.76	y	29:18	1.00	1910		-	-	*	Co-elute PCB 43		
PCB-47	1.54e+06	0.78	y	29:29	1.03	642		-	-	*			
PCB-48	1.29e+06	0.78	y	29:36	1.34	412		-	-	*	Co-elute PCB 75		
PCB-75	1.29e+06	0.78	y	29:36	1.34	412		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		868	980	5.81			
PCB-62	*	*	n	NotFnd	1.35	*		868	980	5.86			
PCB-44	3.83e+06	0.76	y	30:13	0.90	1820		-	-	*			
PCB-42	1.77e+06	0.79	y	30:27	1.12	673		-	-	*	Co-elute PCB 59		
PCB-59	1.77e+06	0.79	y	30:27	1.12	673		-	-	*	Co-elute PCB 42		
PCB-72	4.34e+06	0.76	y	31:00	1.26	1480		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.34e+06	0.76	y	31:00	1.26	1480		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.34e+06	0.76	y	31:00	1.26	1480		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.34e+06	0.76	y	31:00	1.26	1480		-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.78e+04	0.72	y	31:14	1.47	28.6		-	-	*			
PCB-40	6.40e+05	0.76	y	31:27	0.80	344		-	-	*			
PCB-57	5.41e+04	0.68	y	31:47	1.38	16.8	J	-	-	*			
PCB-67	1.77e+05	0.66	y	32:05	1.39	54.6		-	-	*			
PCB-58	3.27e+04	0.75	y	32:10	1.37	10.2	J	-	-	*			
PCB-63	2.11e+05	0.67	y	32:21	1.41	64.0		-	-	*			
PCB-74	2.11e+06	0.76	y	32:38	1.38	653		-	-	*			
PCB-61	4.75e+06	0.77	y	32:49	1.26	1610		-	-	*	Co-elute PCB 70		
PCB-70	4.75e+06	0.77	y	32:49	1.26	1610		-	-	*	Co-elute PCB 61		
PCB-76	3.83e+06	0.78	y	33:00	1.41	1160		-	-	*	Co-elute PCB 66		
PCB-66	3.83e+06	0.78	y	33:00	1.41	1160		-	-	*	Co-elute PCB 76		
PCB-80	4.58e+04	0.75	y	33:13	1.56	12.6	J	-	-	*			
PCB-55	2.00e+05	0.80	y	33:31	1.33	64.5		-	-	*			
13C-PCB-54	2.33e+07	0.80	y	25:38	1.12	11900					119	2.55e+06	3.30e+06
PCB-104	3.30e+06	1.53	y	30:06	1.20	1820		-	-	*			
PCB-96	5.01e+04	1.48	y	31:17	1.15	28.8		-	-	*			
PCB-103	5.41e+04	1.58	y	31:47	0.99	36.3		-	-	*			
PCB-100	3.85e+04	1.41	y	32:07	0.97	26.2		-	-	*			
PCB-94	2.07e+04	1.46	y	32:35	0.82	16.8	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.81	*		284	388	5.41	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		284	388	5.41	Co-elute PCB 98		
PCB-95	2.95e+06	1.51	y	33:05	0.88	2210		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		284	388	5.12			
PCB-88	*	*	n	NotFnd	0.86	*		284	388	5.06	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		284	388	5.06	Co-elute PCB 88		
PCB-121	5.78e+06	1.55	y	33:32	1.17	3270		-	-	*			
13C-PCB-104	1.51e+07	1.59	y	30:05	0.79	10900					109	2.39e+06	1.46e+06
13C-PCB-28	3.13e+07	1.05	y	26:42	2.03	8830					88.3	4.19e+06	3.84e+06
13C-PCB-52	1.75e+07	0.81	y	28:59	-	67.8							

PCB-56	2.84e+06	0.83	y	34:00	1.15	741		-	-	*			Co-elute PCB 60
PCB-60	2.84e+06	0.83	y	34:00	1.15	741		-	-	*			Co-elute PCB 56
PCB-79	1.10e+05	0.67	y	35:00	1.25	26.4		-	-	*			
PCB-78	8.22e+06	0.84	y	35:41	1.20	2050		-	-	*			
PCB-81	1.57e+05	0.80	y	36:11	1.29	37.5		-	-	*			
13C-PCB-81	3.25e+07	0.78	y	36:08	1.82	11600					116	3.08e+06	3.92e+06
PCB-77	2.21e+05	0.86	y	36:44	1.13	57.4		-	-	*			
13C-PCB-77	3.40e+07	0.78	y	36:43	1.87	11900					119	3.25e+06	4.08e+06
PCB-155	6.25e+06	1.28	y	34:15	1.12	3650		-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*		648	576	7.62			
PCB-152	*	*	n	NotFnd	1.06	*		648	576	7.92			
PCB-145	*	*	n	NotFnd	1.07	*		648	576	7.84			
PCB-136	4.87e+05	1.14	y	36:38	1.08	294		-	-	*			
PCB-148	*	*	n	NotFnd	0.76	*		648	576	11.0			
PCB-154	5.78e+04	1.26	y	37:10	0.93	40.7		-	-	*			
13C-PCB-155	1.53e+07	1.31	y	34:13	1.04	9640					96.4	2.05e+06	1.59e+06
13C-PCB-111	1.94e+07	1.61	y	36:19	1.29	9850					98.5	2.62e+06	1.60e+06
13C-PCB-101	1.53e+07	1.65	y	34:40	-	71.7							
PCB-84	2.08e+06	1.58	y	34:20	0.66	1110		-	-	*			Co-elute PCB 92
PCB-92	2.08e+06	1.58	y	34:20	0.66	1110		-	-	*			Co-elute PCB 84
PCB-89	6.59e+04	1.78	y	34:31	0.67	34.7		-	-	*			
PCB-90	4.73e+06	1.57	y	34:41	0.75	2250		-	-	*			Co-elute PCB 101
PCB-101	4.73e+06	1.57	y	34:41	0.75	2250		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		740	700	6.65			
PCB-99	1.99e+06	1.52	y	35:00	0.83	857		-	-	*			
PCB-119	1.48e+05	1.71	y	35:27	0.99	53.3		-	-	*			
PCB-83	2.33e+05	1.51	y	35:36	0.78	106		-	-	*			Co-elute PCB 112
PCB-112	2.33e+05	1.51	y	35:36	0.78	106		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		740	700	6.23			
PCB-97	1.18e+06	1.59	y	35:56	0.64	658		-	-	*			
PCB-86	*	*	n	NotFnd	0.56	*		740	700	10.3			
PCB-125	1.74e+06	1.54	y	36:11	0.89	692		-	-	*			Co-elute PCB 87/117
PCB-87	1.74e+06	1.54	y	36:11	0.89	692		-	-	*			Co-elute PCB 125/117
PCB-117	1.74e+06	1.54	y	36:11	0.89	692		-	-	*			Co-elute PCB 125/87
PCB-111	1.31e+05	1.64	y	36:20	0.95	49.1		-	-	*			Co-elute PCB 115
PCB-115	1.31e+05	1.64	y	36:20	0.95	49.1		-	-	*			Co-elute PCB 111
PCB-85	6.55e+05	1.55	y	36:26	0.84	276		-	-	*			Co-elute PCB 116
PCB-116	6.55e+05	1.55	y	36:26	0.84	276		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		740	700	5.75			
PCB-110	5.09e+06	1.58	y	36:49	0.94	1930		-	-	*			
PCB-82	3.72e+05	1.66	y	37:24	0.57	233		-	-	*			
PCB-124	2.06e+05	1.70	y	38:03	1.21	60.4		-	-	*			
PCB-108	3.01e+05	1.73	y	38:13	1.16	92.1		-	-	*			Co-elute PCB 107
PCB-107	3.01e+05	1.73	y	38:13	1.16	92.1		-	-	*			Co-elute PCB 108
PCB-123	6.66e+04	1.61	y	38:21	1.11	22.5		-	-	*			
13C-PCB-123	2.67e+07	1.58	y	38:21	1.40	10900					109	3.54e+06	2.19e+06
PCB-118	3.68e+06	1.66	y	38:33	1.14	1080		-	-	*			Co-elute PCB 106
PCB-106	3.68e+06	1.66	y	38:33	1.14	1080		-	-	*			Co-elute PCB 118
13C-PCB-118	2.98e+07	1.62	y	38:31	1.51	11300					113	4.40e+06	2.68e+06
PCB-114	1.02e+05	1.45	y	39:09	1.24	29.0		-	-	*			
13C-PCB-114	2.83e+07	1.59	y	39:07	1.49	10900					109	3.80e+06	2.44e+06
PCB-122	6.09e+04	1.48	y	39:15	1.16	18.8	J	-	-	*			
PCB-105	1.27e+06	1.75	y	39:58	1.22	378		-	-	*			
13C-PCB-105	2.76e+07	1.60	y	39:57	1.49	10600					106	3.69e+06	2.27e+06

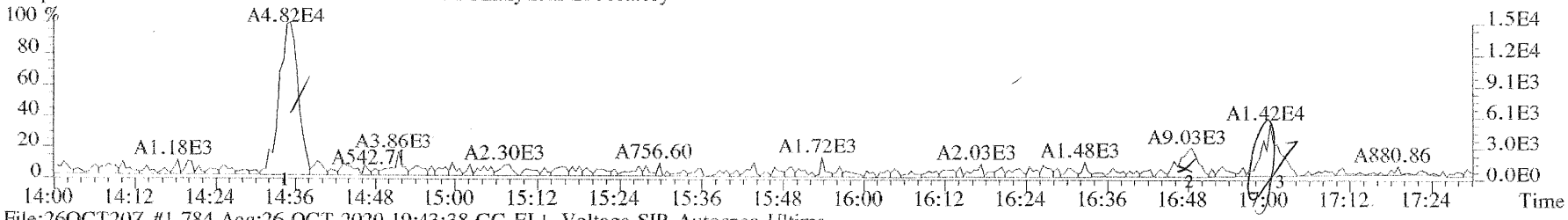
PCB-127	*	*	n	NotFnd	1.17	*		1020	1230	7.76				
PCB-126	*	*	n	NotFnd	1.19	*		1020	1230	7.88				
13C-PCB-126	2.78e+07	1.61	y	42:03	1.42	11200					112	3.77e+06	2.25e+06	
PCB-151	8.49e+05	1.27	y	37:48	0.93	403		-	-	*				
PCB-135	4.40e+05	1.39	y	38:00	0.95	204		-	-	*				
PCB-144	1.77e+05	1.12	y	38:06	0.93	83.9		-	-	*				
PCB-147	6.89e+04	1.13	y	38:15	0.96	31.4		-	-	*				
PCB-139	2.75e+06	1.23	y	38:28	0.98	1230		-	-	*		Co-elute PCB 149		
PCB-149	2.75e+06	1.23	y	38:28	0.98	1230		-	-	*		Co-elute PCB 139		
PCB-140	3.58e+04	1.13	y	38:38	0.97	16.2	J	-	-	*				
PCB-143	2.00e+05	1.40	y	39:06	0.81	109		-	-	*		Co-elute PCB 134		
PCB-134	2.00e+05	1.40	y	39:06	0.81	109		-	-	*		Co-elute PCB 143		
PCB-131	9.84e+04	1.23	y	39:20	0.83	52.3		-	-	*		Co-elute PCB 133		
PCB-133	9.84e+04	1.23	y	39:20	0.83	52.3		-	-	*		Co-elute PCB 131		
PCB-142	1.13e+06	1.21	y	39:30	0.83	601		-	-	*				
PCB-165	4.73e+05	1.25	y	39:43	1.12	186		-	-	*		Co-elute PCB 146		
PCB-146	4.73e+05	1.25	y	39:43	1.12	186		-	-	*		Co-elute PCB 165		
PCB-161	9.25e+05	1.18	y	39:58	1.04	391		-	-	*		Co-elute PCB 132		
PCB-132	9.25e+05	1.18	y	39:58	1.04	391		-	-	*		Co-elute PCB 161		
PCB-153	2.84e+06	1.26	y	40:06	1.08	1160		-	-	*				
PCB-168	*	*	n	NotFnd	1.19	*		1130	884	7.86				
PCB-141	4.80e+05	1.23	y	40:48	0.94	224		-	-	*				
PCB-137	1.12e+05	1.07	y	41:09	0.98	50.3		-	-	*				
PCB-130	1.50e+05	1.20	y	41:16	0.76	87.1		-	-	*				
PCB-138	2.85e+06	1.26	y	41:37	1.11	1130		-	-	*		Co-elute PCB 163/164		
PCB-163	2.85e+06	1.26	y	41:37	1.11	1130		-	-	*		Co-elute PCB 138/164		
PCB-164	2.85e+06	1.26	y	41:37	1.11	1130		-	-	*		Co-elute PCB 138/163		
PCB-158	3.41e+05	1.11	y	41:50	1.25	120		-	-	*		Co-elute PCB 160		
PCB-160	3.41e+05	1.11	y	41:50	1.25	120		-	-	*		Co-elute PCB 158		
PCB-129	1.06e+05	1.22	y	42:03	0.78	59.5		-	-	*				
PCB-166	*	*	n	NotFnd	1.22	*		1130	884	7.67				
PCB-159	4.77e+04	1.39	y	42:51	1.31	16.0	J	-	-	*				
PCB-128	3.74e+05	1.24	y	43:04	1.04	159		-	-	*		Co-elute PCB 162		
PCB-162	3.74e+05	1.24	y	43:04	1.04	159		-	-	*		Co-elute PCB 128		
PCB-167	1.02e+05	1.11	y	43:27	1.20	36.3		-	-	*				
13C-PCB-167	2.34e+07	1.32	y	43:26	1.18	11400					114	3.09e+06	2.32e+06	
PCB-156	2.16e+05	1.29	y	44:41	1.29	74.2		-	-	*				
13C-PCB-156	2.26e+07	1.29	y	44:40	1.15	11200					112	2.88e+06	2.23e+06	
PCB-157	5.80e+04	1.30	y	44:55	1.21	20.8		-	-	*				
13C-PCB-157	2.30e+07	1.30	y	44:55	1.17	11200					112	2.98e+06	2.31e+06	
PCB-169	*	*	n	NotFnd	1.17	*		1130	884	7.43				
13C-PCB-169	2.20e+07	1.31	y	46:46	1.18	10700					107	3.31e+06	2.50e+06	

FAL ID: 13373-008-0001-SA Filename: 26OCT20Z Sam:11 Acquired: 26-OCT-20 19:43:38 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CC-S010 ConCal: ST102620Z1 EndCal: ST102620Z2
Results: 13373-4 GC Column: DB1MS Amount: 1.000

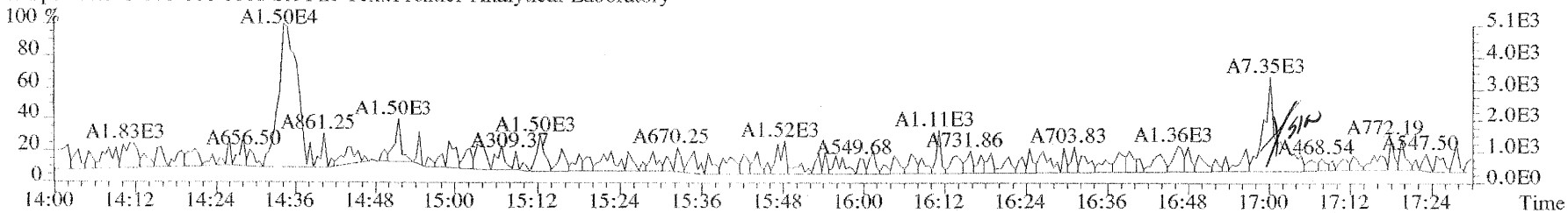
PCB-188	4.38e+04	1.00	y	39:43	1.16	22.1		-	-	*			
13C-PCB-188	1.71e+07	1.08	y	39:43	0.93	10600					106	2.09e+06	1.92e+06
PCB-184	8.56e+06	1.07	y	40:10	1.25	4180		-	-	*			
PCB-179	2.40e+05	1.06	y	40:54	1.20	122		-	-	*			
PCB-176	7.64e+04	0.98	y	41:21	1.15	40.3		-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*		590	520	5.53			
PCB-178	8.42e+04	1.19	y	42:23	0.85	60.1		-	-	*			
PCB-175	*	*	n	NotFnd	0.90	*		590	520	7.31			
PCB-187	4.16e+05	1.06	y	42:51	0.95	265		-	-	*		Co-elute PCB 182	
PCB-182	4.16e+05	1.06	y	42:51	0.95	265		-	-	*		Co-elute PCB 187	
PCB-183	2.07e+05	1.18	y	43:09	0.94	134		-	-	*			
PCB-185	3.80e+04	0.92	y	43:49	0.88	26.2		-	-	*			
PCB-174	2.86e+05	1.05	y	44:08	0.87	200		-	-	*			
PCB-181	*	*	n	NotFnd	0.89	*		590	520	7.32			
PCB-177	1.71e+05	1.11	y	44:23	0.82	127		-	-	*			
PCB-171	7.82e+04	0.98	y	44:41	0.87	54.7		-	-	*			
PCB-173	*	*	n	NotFnd	0.80	*		590	520	8.14			
PCB-172	1.82e+05	1.21	y	45:27	0.83	133		-	-	*			
PCB-192	6.67e+06	1.08	y	45:39	1.09	3720		-	-	*			
PCB-180	4.96e+05	1.05	y	45:49	0.85	356		-	-	*			
PCB-193	4.46e+04	1.14	y	45:59	1.17	23.1		-	-	*			
PCB-191	*	*	n	NotFnd	1.14	*		590	520	5.76			
PCB-170	1.84e+05	1.11	y	47:06	0.85	132		-	-	*			
PCB-190	6.30e+04	1.18	y	47:14	1.13	33.7		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		590	520	5.29			
13C-PCB-189	1.58e+07	1.07	y	48:27	0.88	10200					102	2.36e+06	2.16e+06
PCB-202	*	*	n	NotFnd	1.08	*		280	377	5.63			
PCB-201	*	*	n	NotFnd	1.18	*		280	377	5.14			
PCB-204	1.30e+07	0.93	y	45:26	1.18	10600		-	-	*			
PCB-197	6.63e+04	0.98	y	45:42	1.23	52.2		-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*		280	377	5.02			
PCB-198	*	*	n	NotFnd	0.88	*		280	377	6.94			
PCB-199	6.13e+04	1.00	y	47:42	0.90	66.0		-	-	*			
PCB-203	5.97e+04	0.90	y	47:57	0.96	59.9		-	-	*		Co-elute PCB 196	
PCB-196	5.97e+04	0.90	y	47:57	0.96	59.9		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.03e+07	0.95	y	44:50	0.68	8690					86.9	1.30e+06	1.41e+06
13C-PCB-178	1.15e+07	1.12	y	42:21	0.71	9300					93.0	1.44e+06	1.27e+06
13C-PCB-138	1.75e+07	1.27	y	41:34	-	75.3							
PCB-195	4.76e+04	0.80	y	49:03	0.85	24.6		-	-	*			
PCB-194	1.07e+05	0.85	y	49:52	0.96	48.6		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1240	1870	8.37			
13C-PCB-205	2.29e+07	0.88	y	50:06	1.22	11500					115	3.85e+06	4.26e+06
PCB-208	*	*	n	NotFnd	1.12	*		984	916	5.41			
13C-PCB-208	2.22e+07	0.81	y	49:09	1.00	13500					135	3.46e+06	4.41e+06
PCB-207	8.35e+04	1.15	y	49:29	1.24	35.7		-	-	*			
PCB-206	2.67e+04	1.17	y	51:18	1.15	15.0	J	-	-	*			
13C-PCB-206	1.55e+07	0.80	y	51:18	0.77	12400					124	2.36e+06	2.92e+06
PCB-209	1.03e+05	1.32	y	52:30	1.24	54.8		-	-	*			
13C-PCB-209	1.53e+07	1.22	y	52:28	0.79	11800					118	2.66e+06	2.13e+06
13C-PCB-194	1.64e+07	0.90	y	49:51	-	66.9							

Analyst: _____ Date: 10/30/20

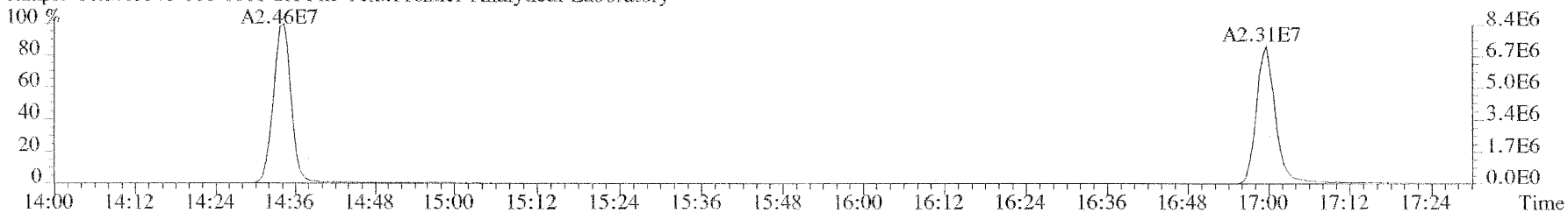
File:26OCT20Z #1-784 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



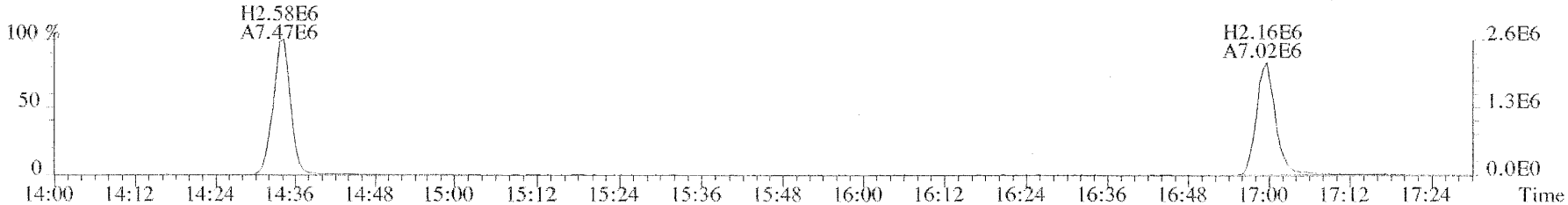
File:26OCT20Z #1-784 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



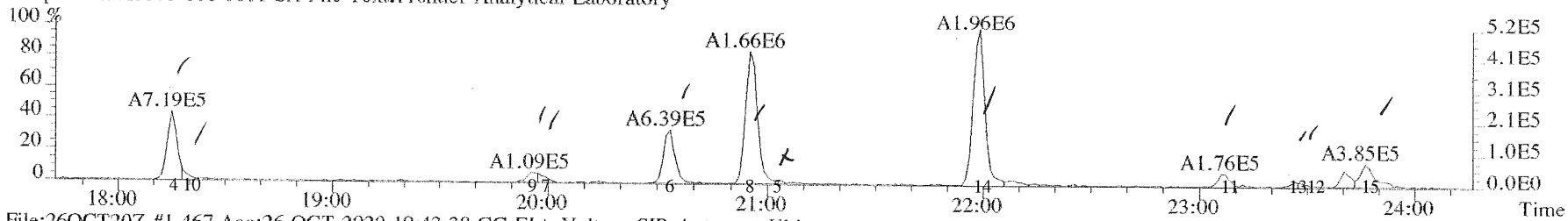
File:26OCT20Z #1-784 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



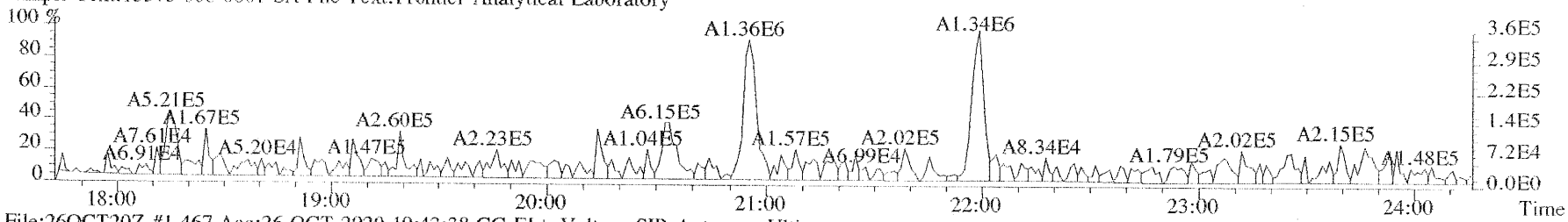
File:26OCT20Z #1-784 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



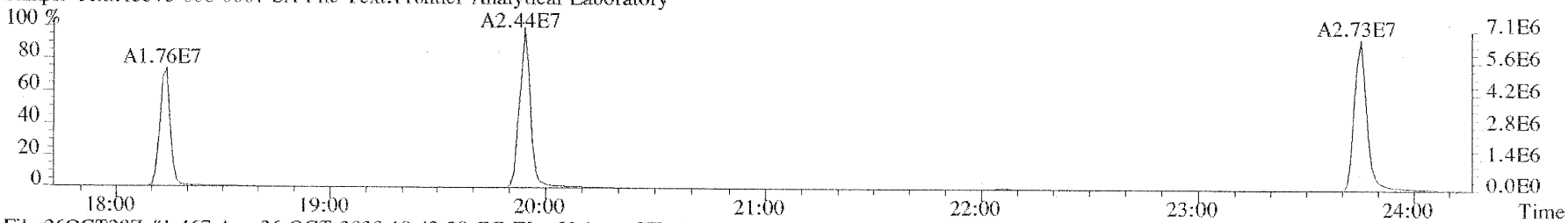
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



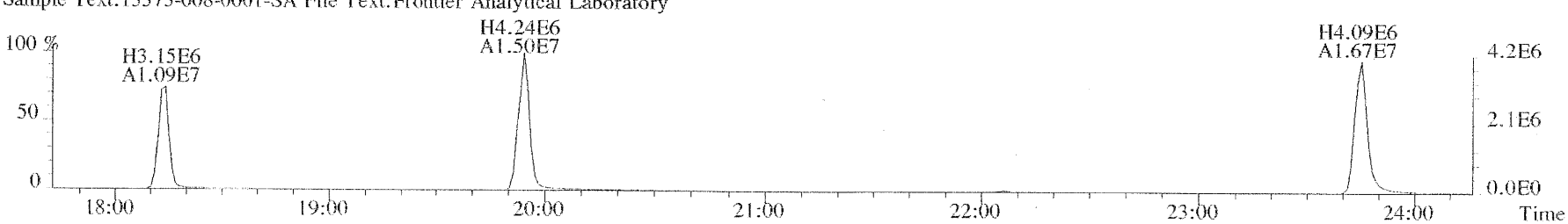
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



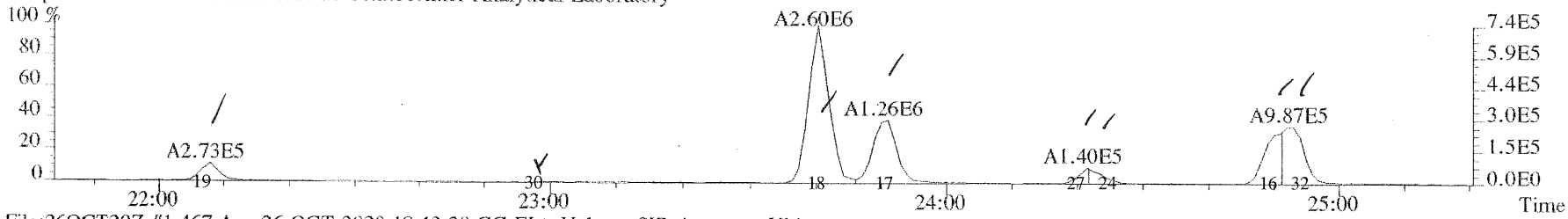
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



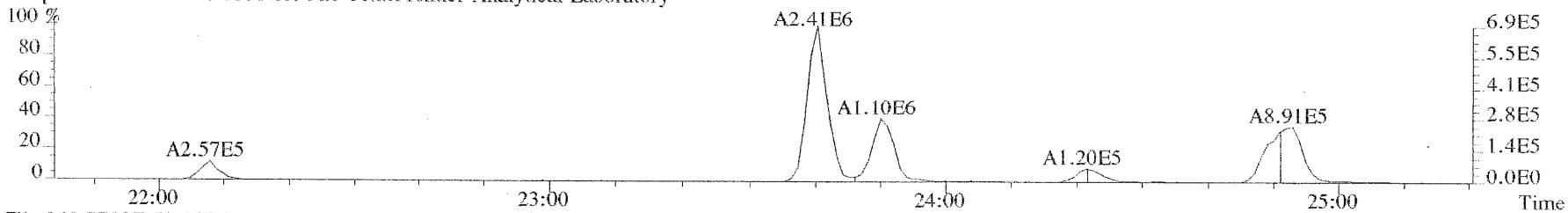
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



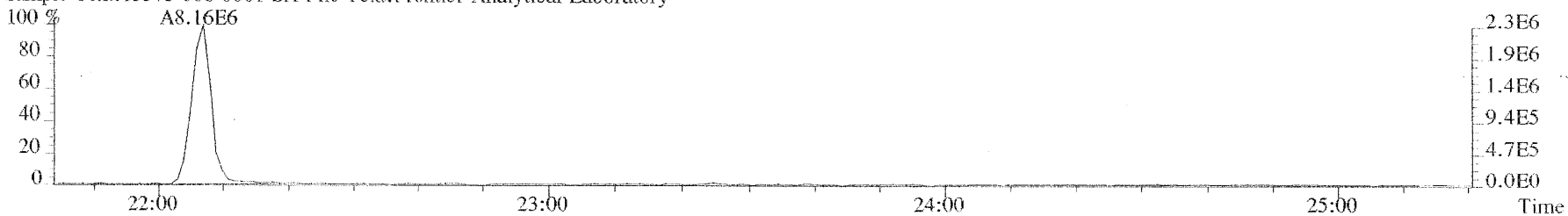
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



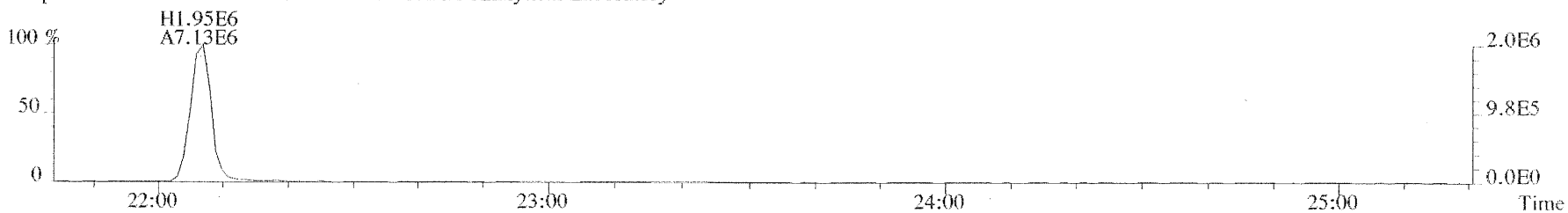
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



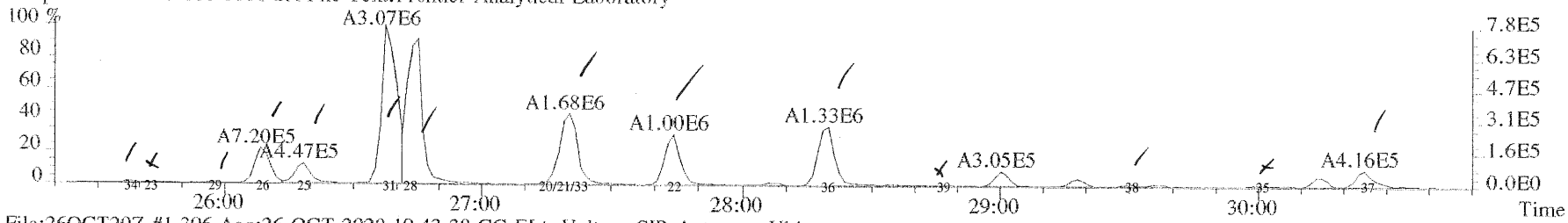
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



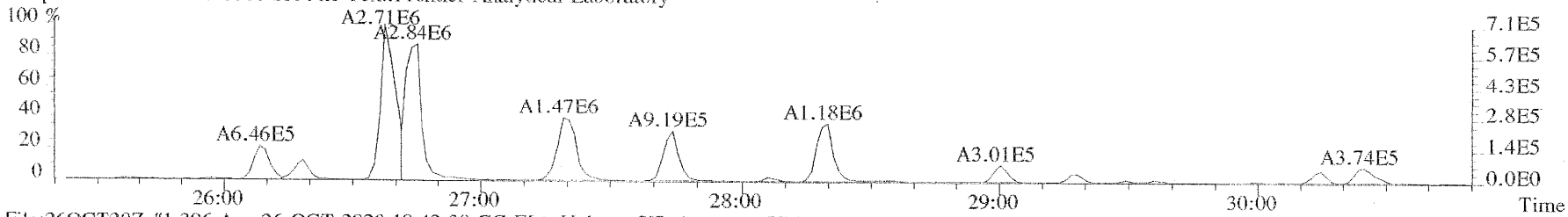
File:26OCT20Z #1-467 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



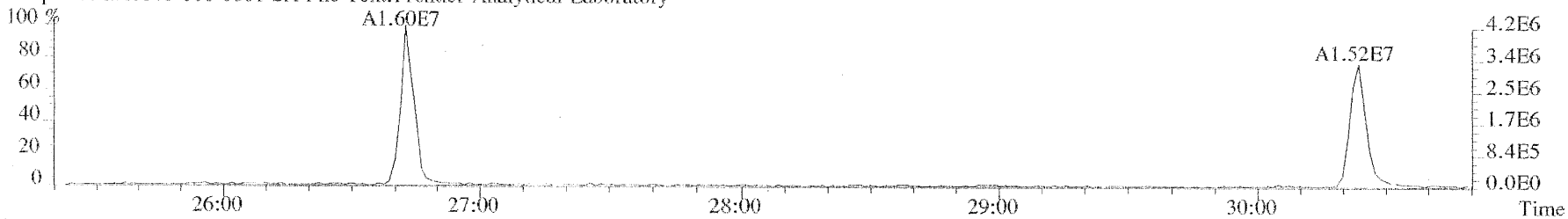
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



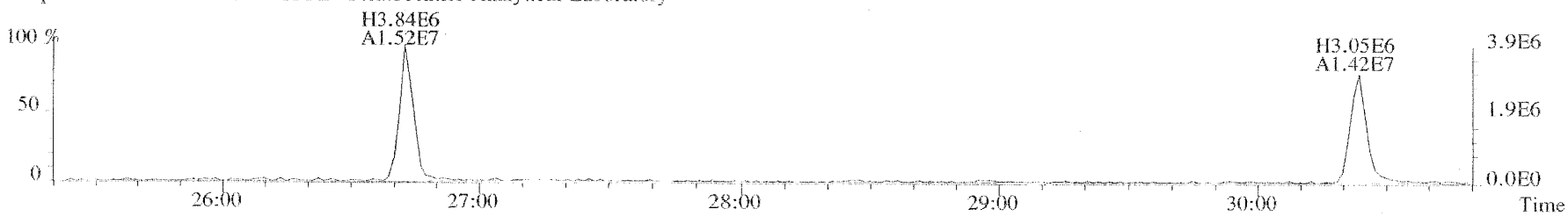
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



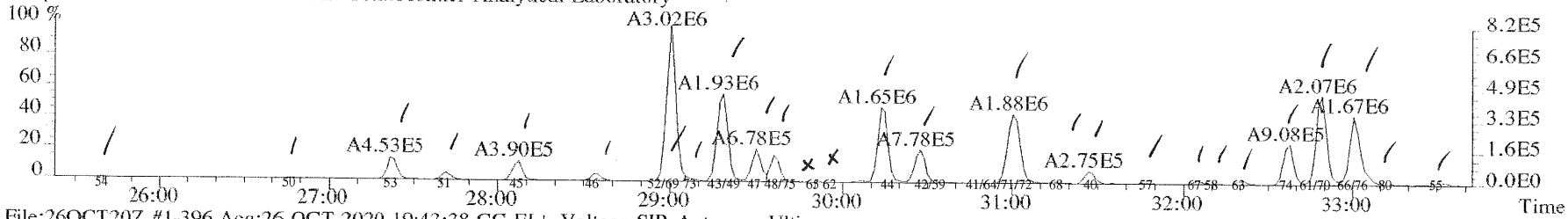
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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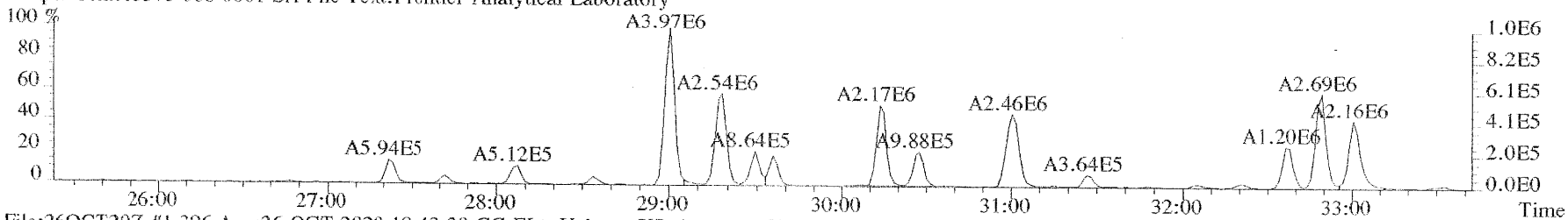
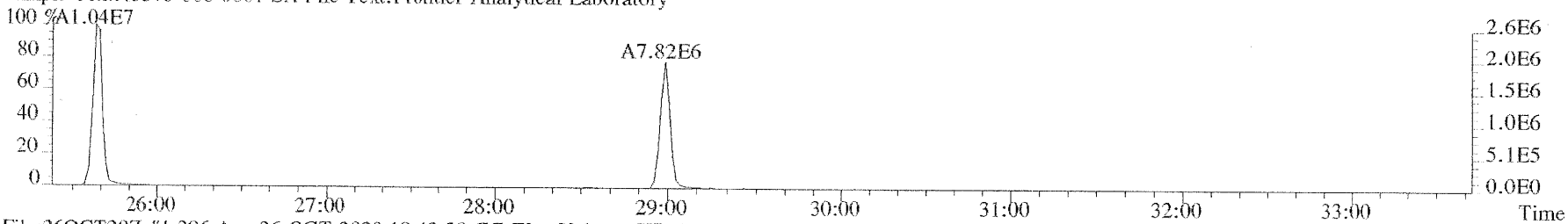
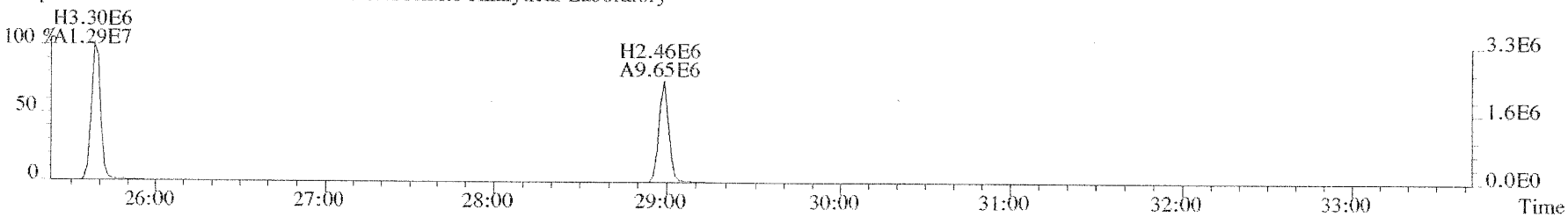
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



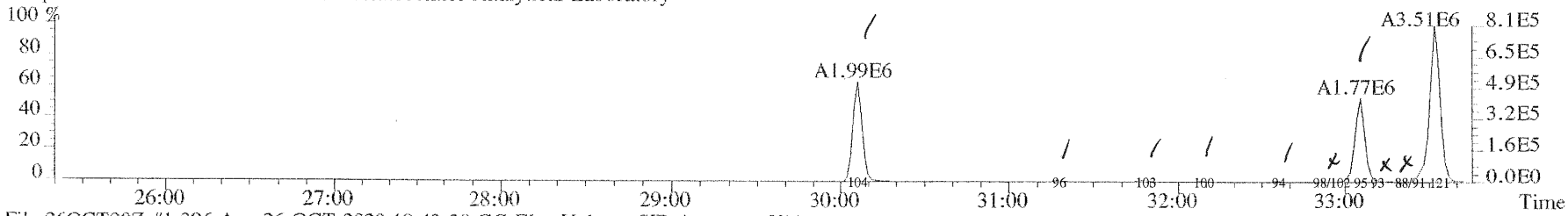
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



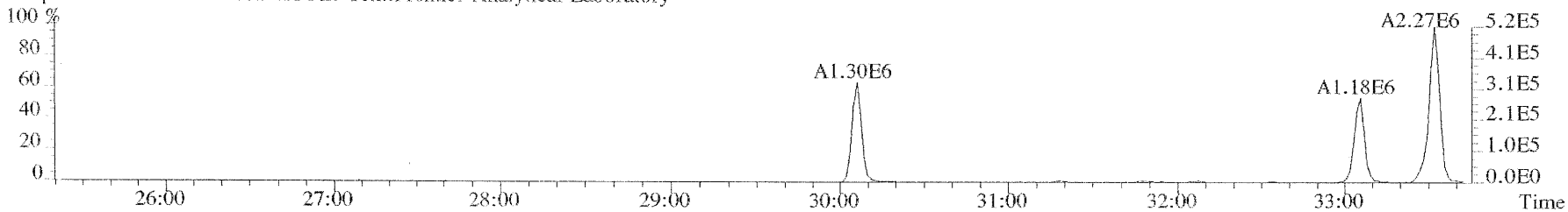
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



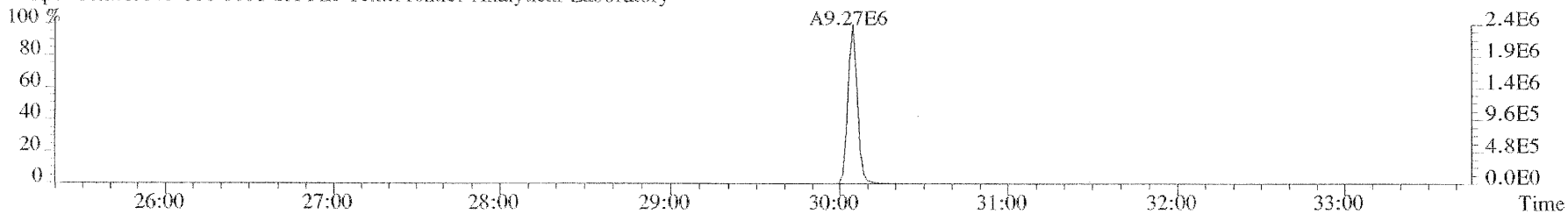
File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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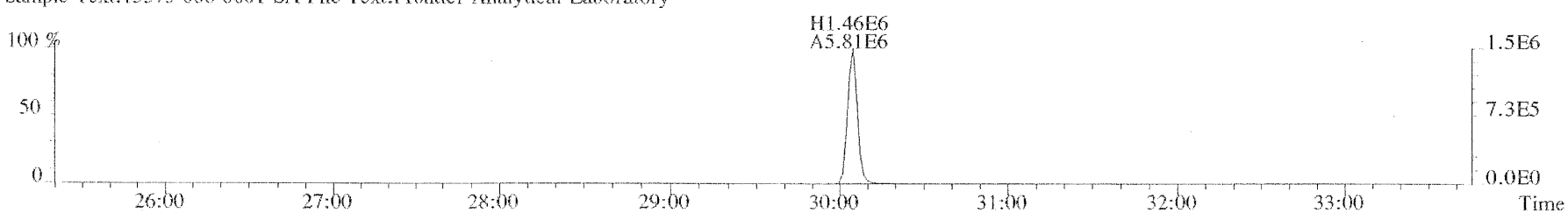
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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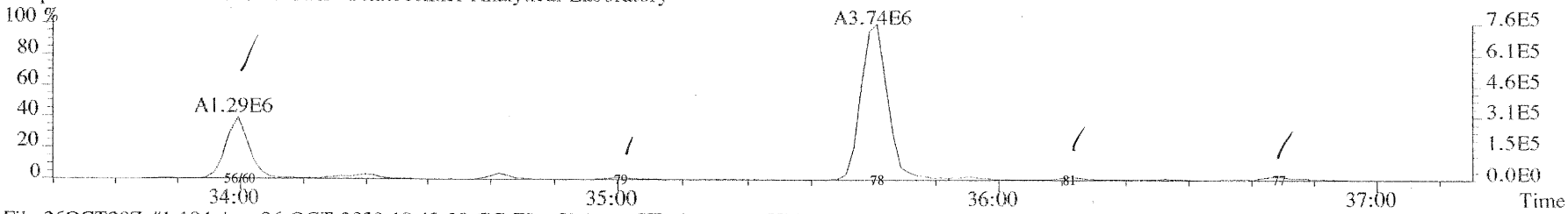
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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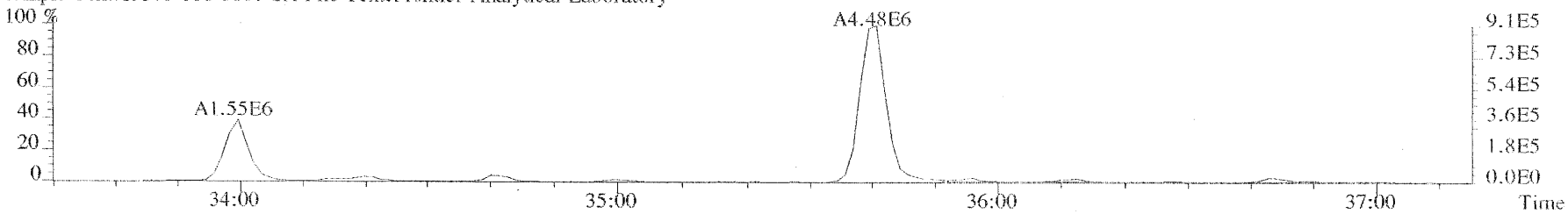
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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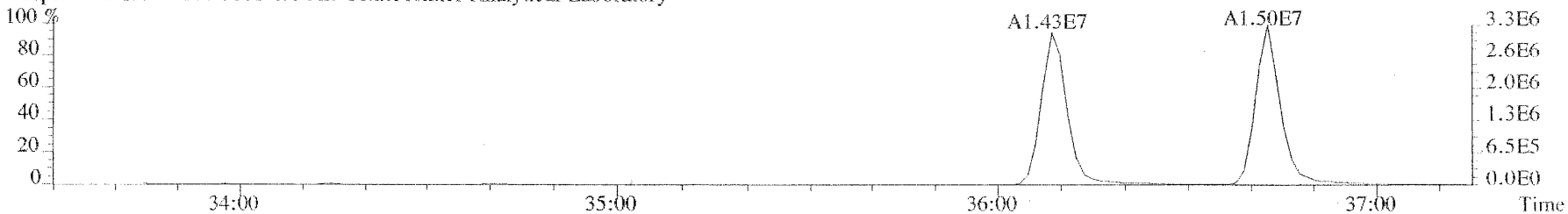
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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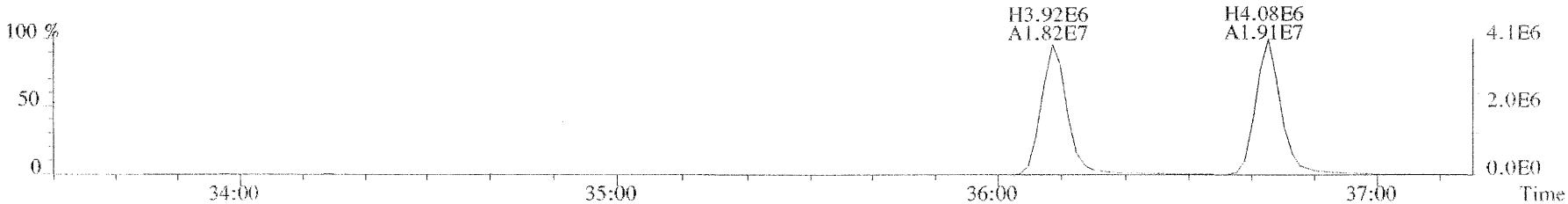
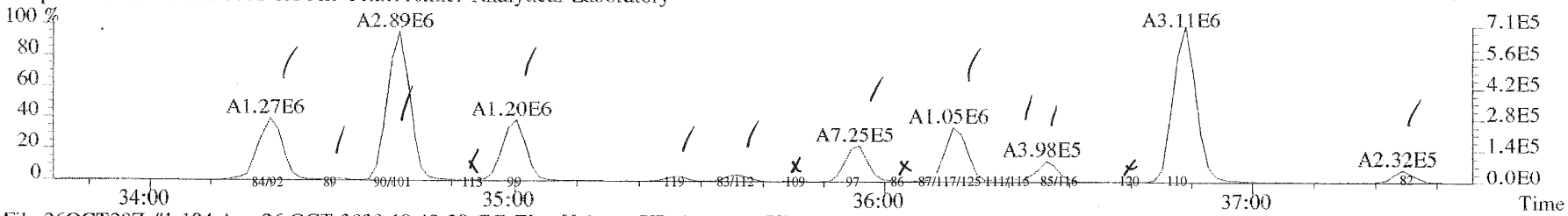
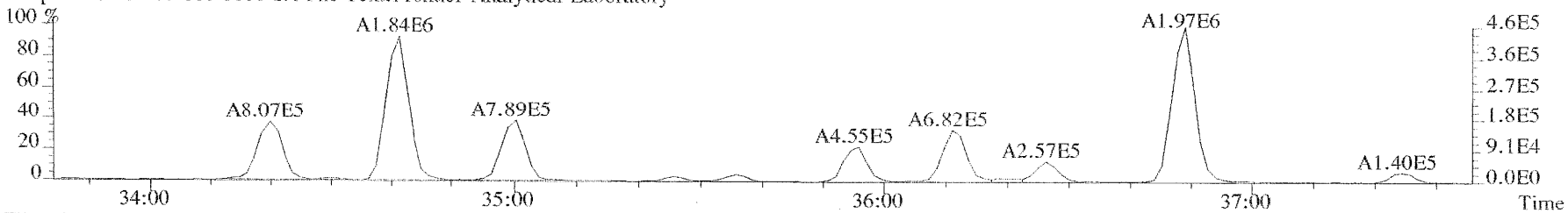
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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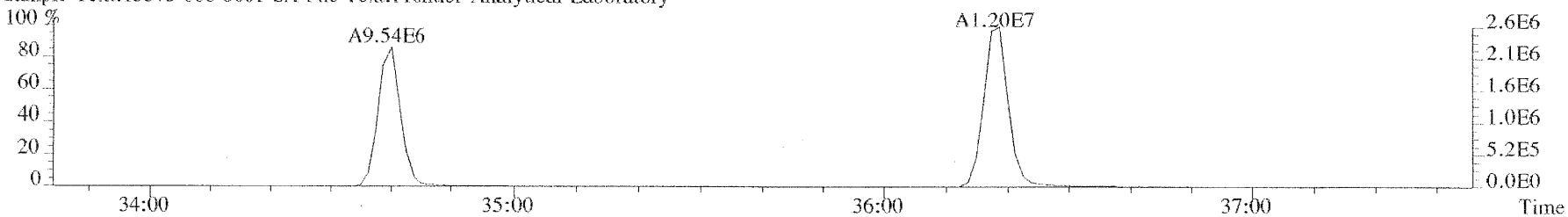
337.9207 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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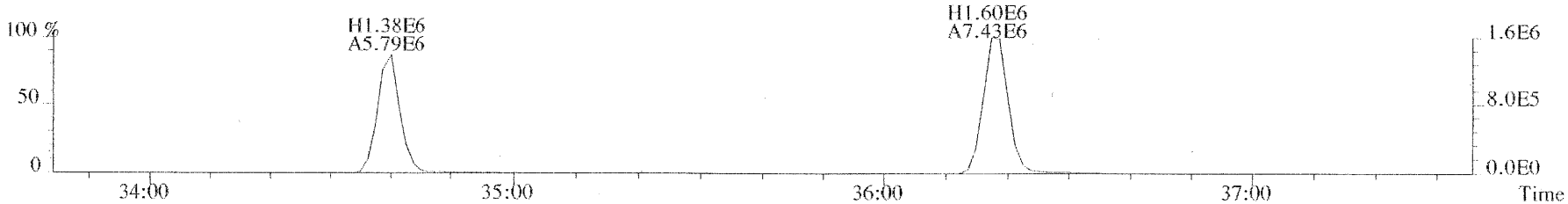
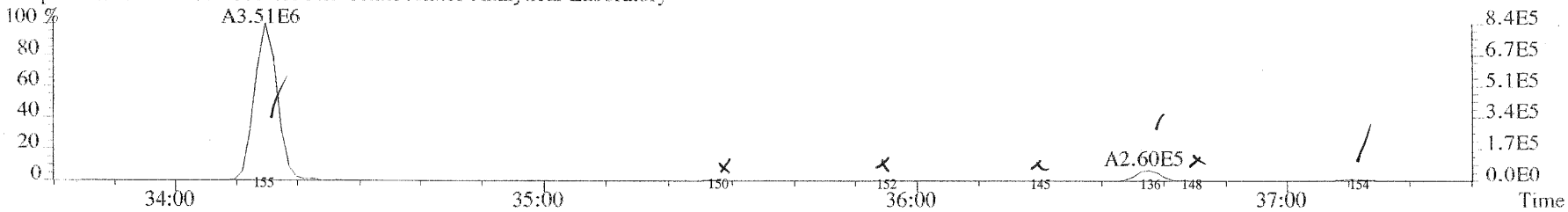
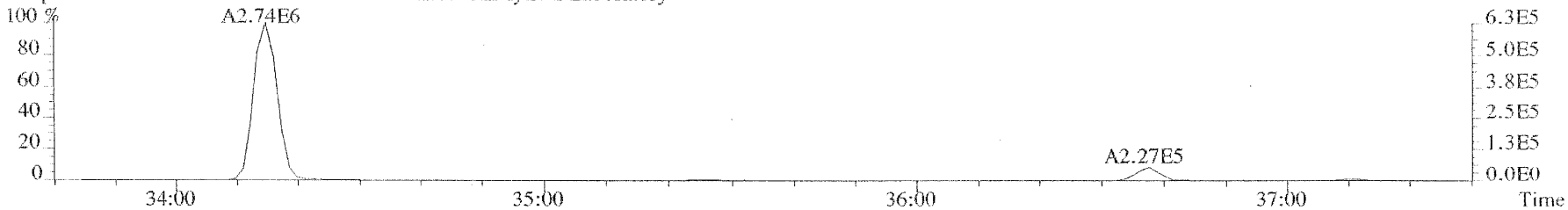
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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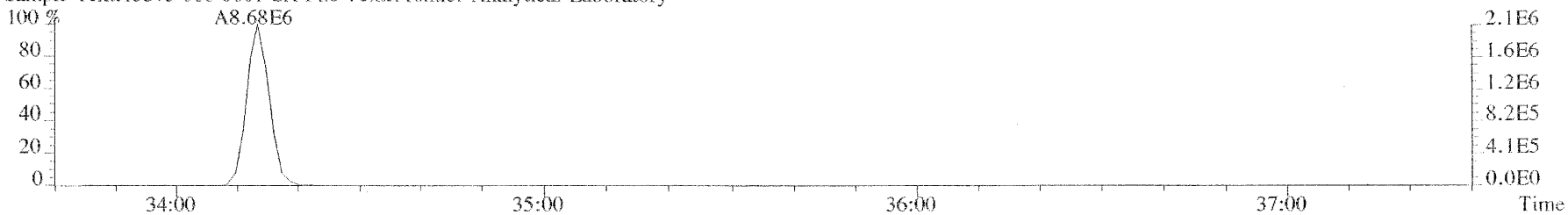
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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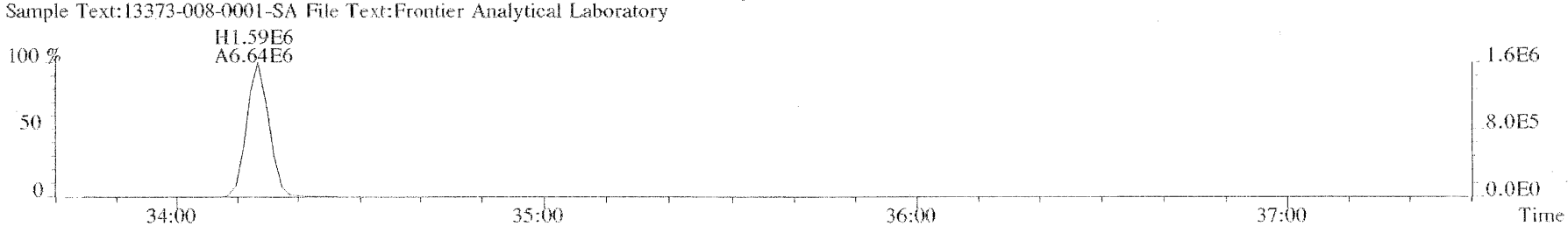
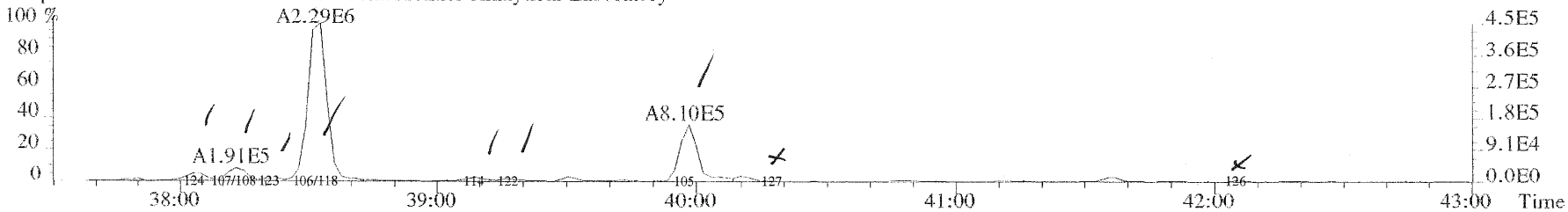
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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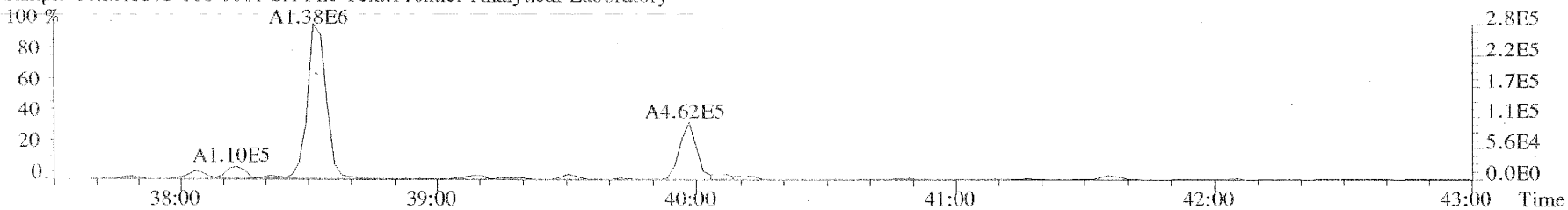
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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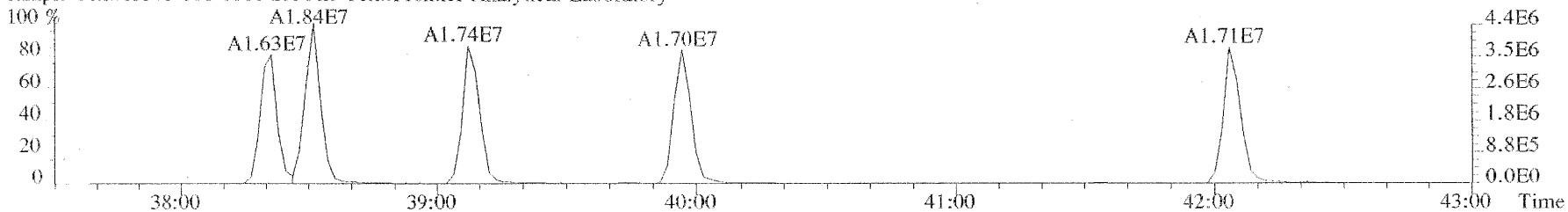

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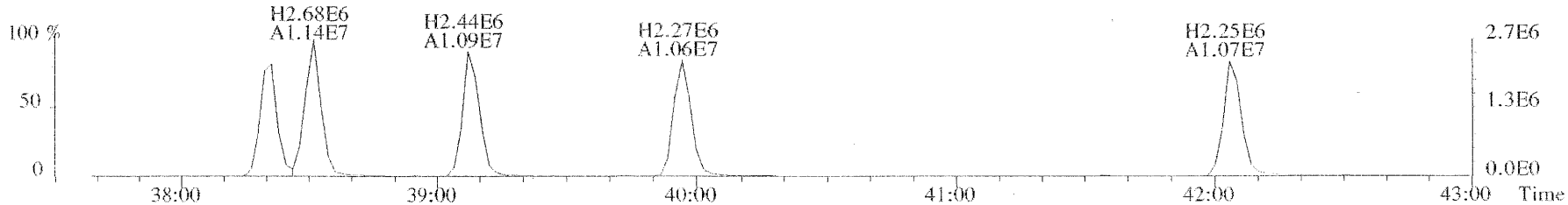
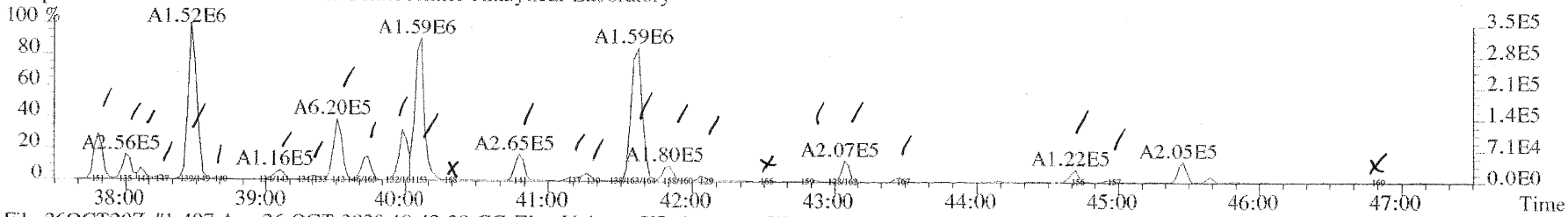
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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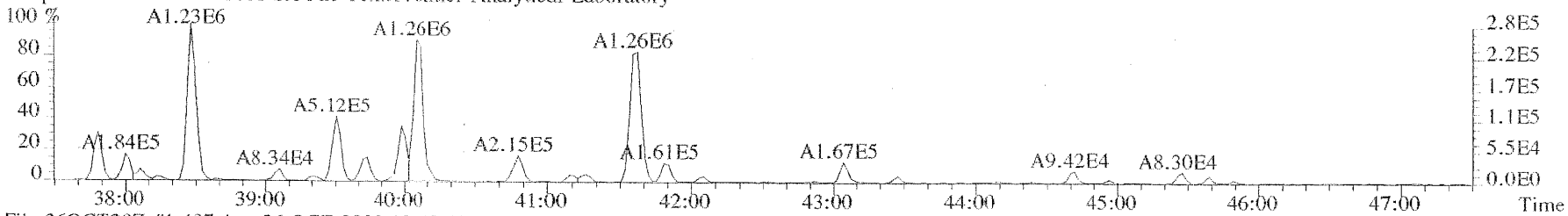

File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
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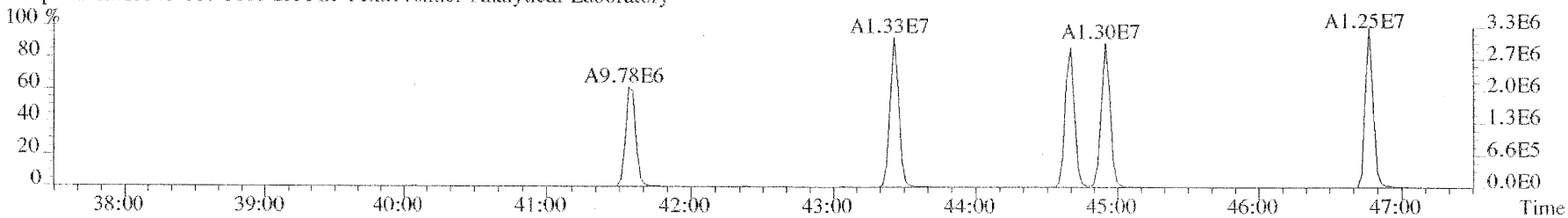

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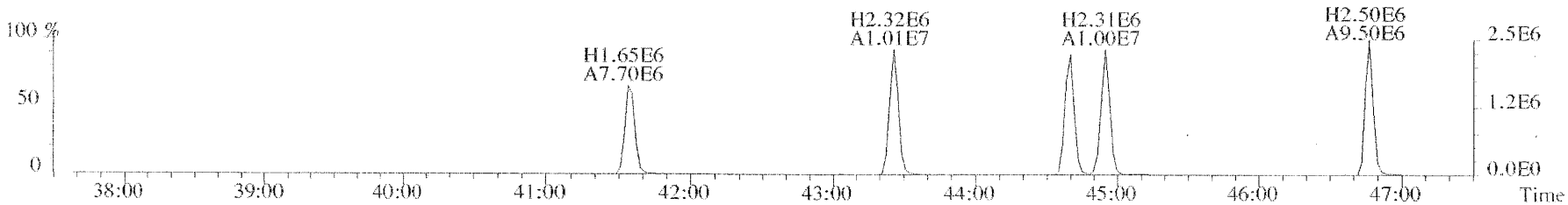

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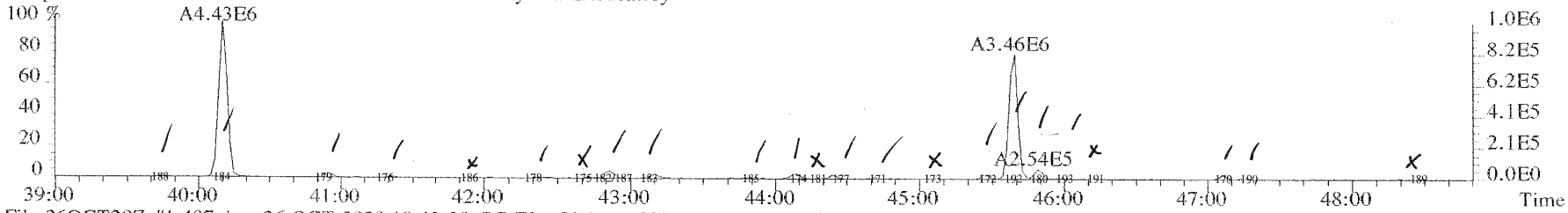
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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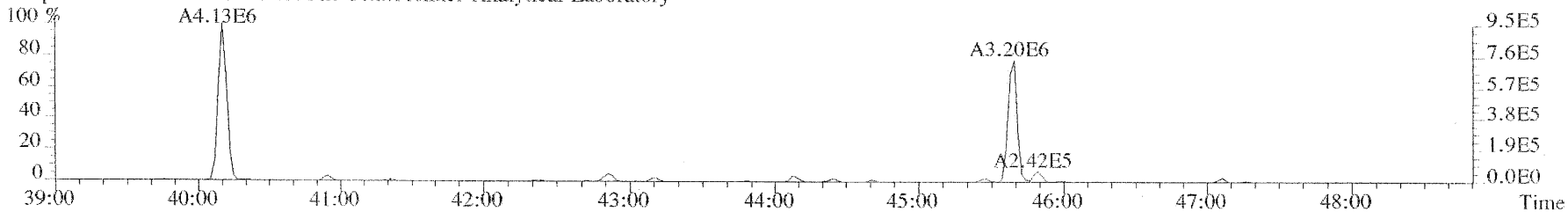
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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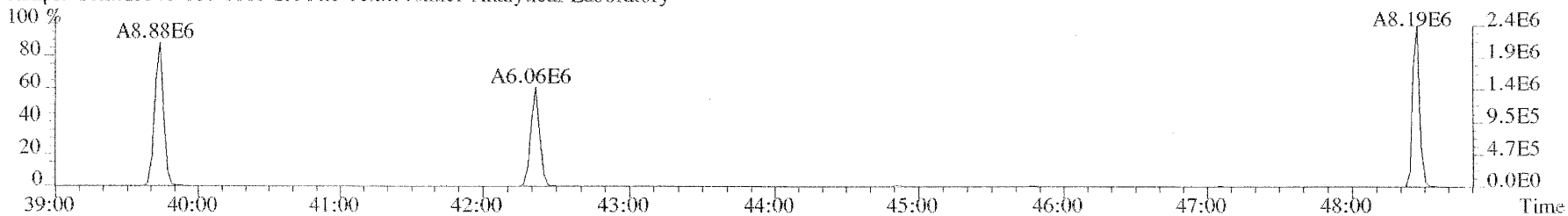
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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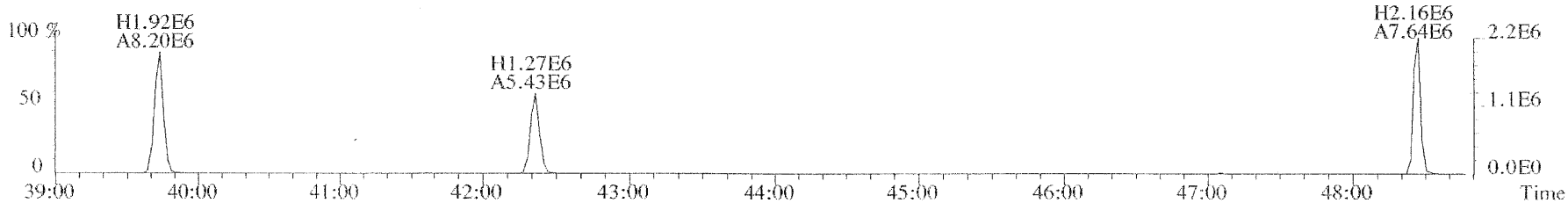
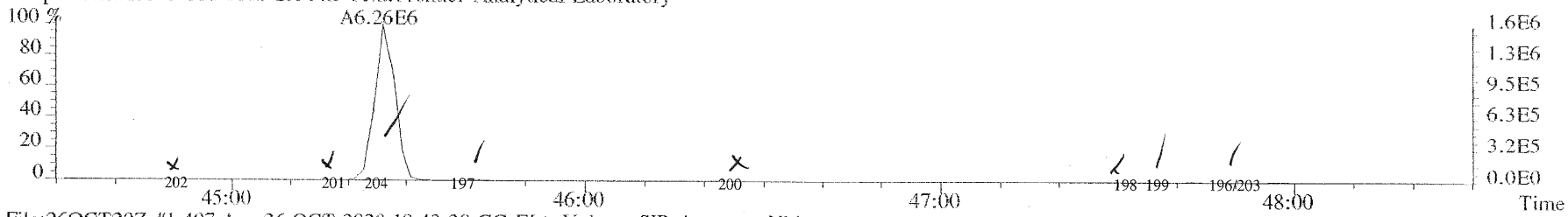
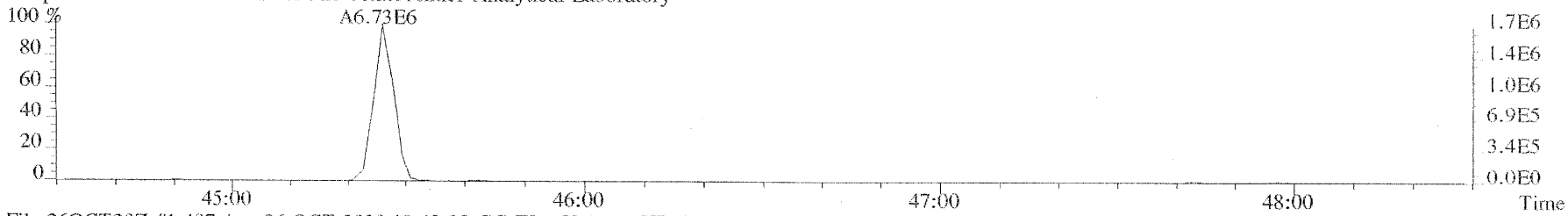
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
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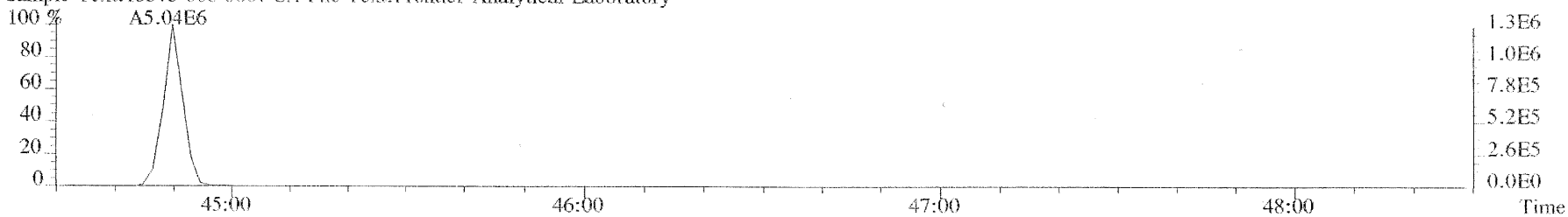
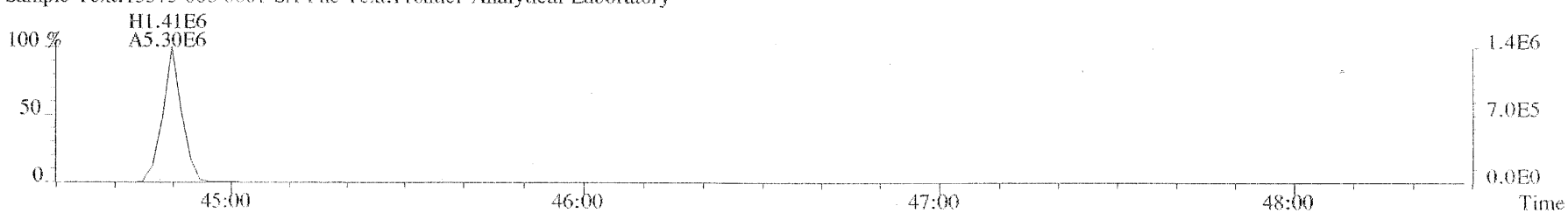
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 19:43:38 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
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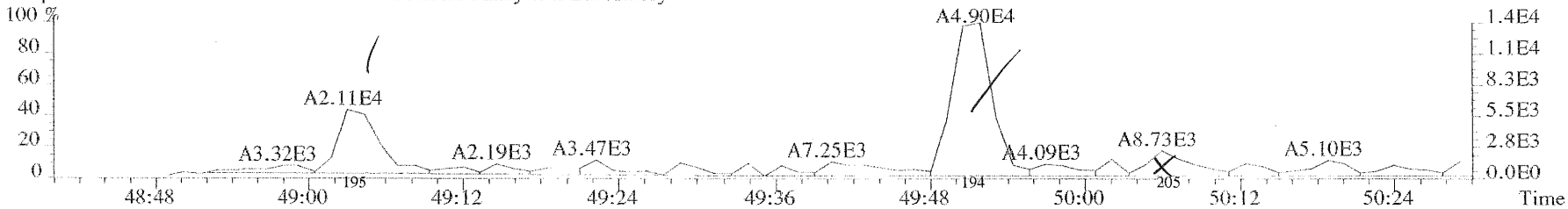
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
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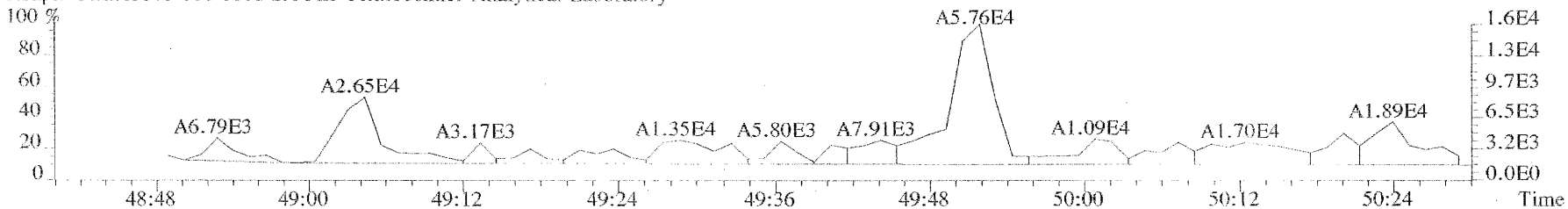
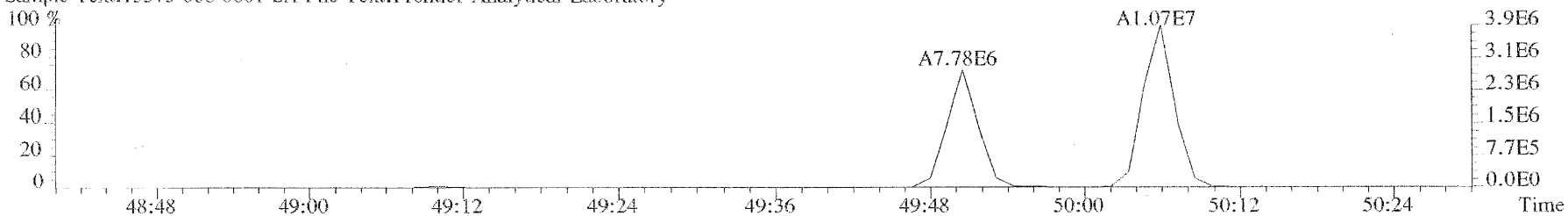
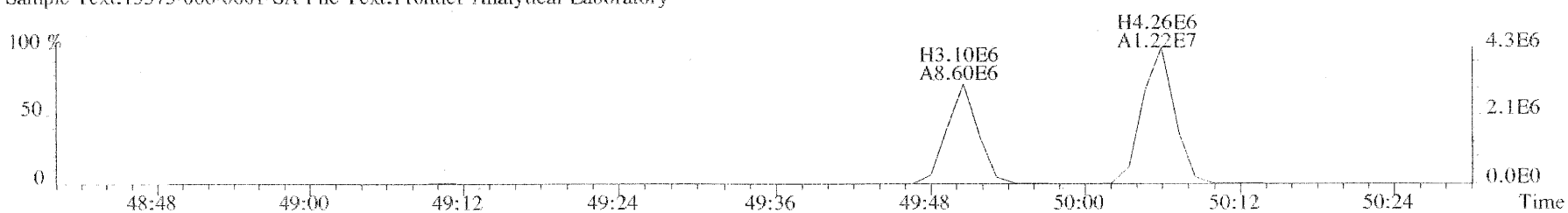
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 19:43:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 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:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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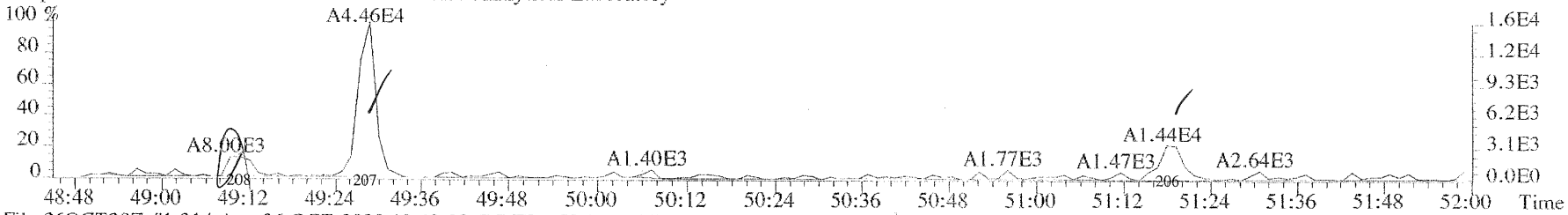
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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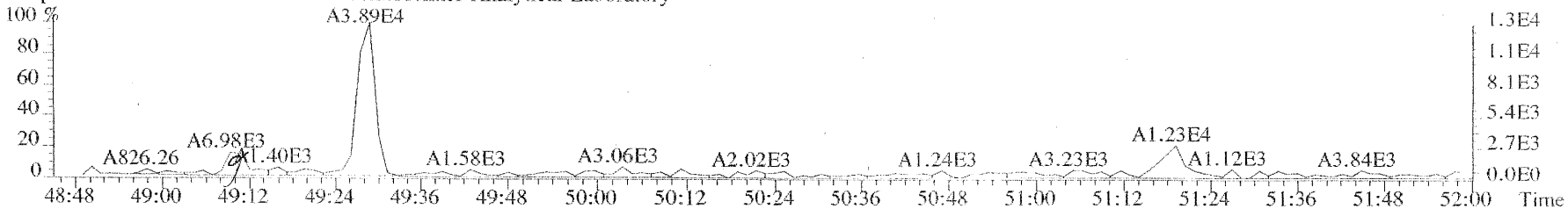
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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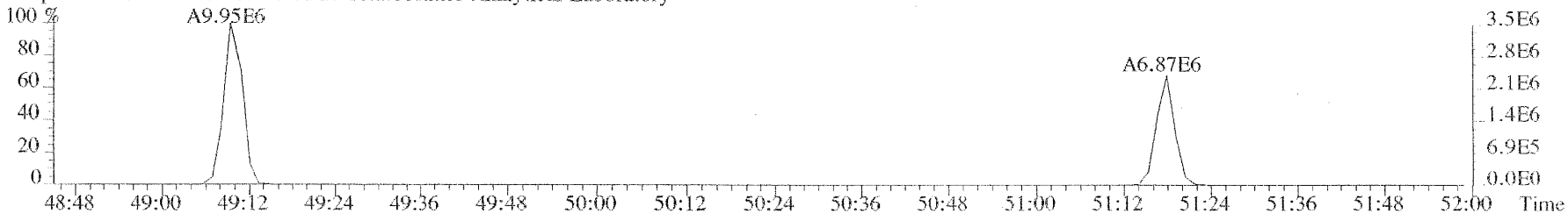
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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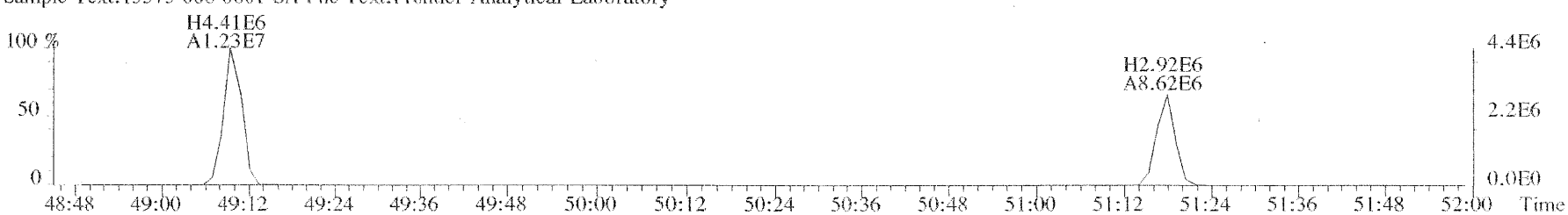
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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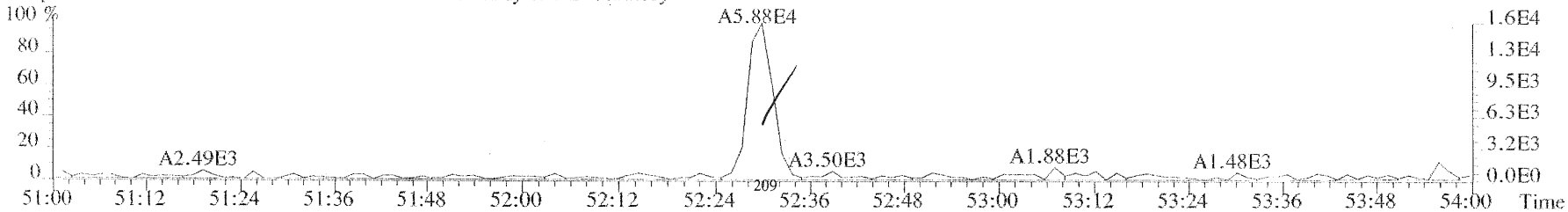
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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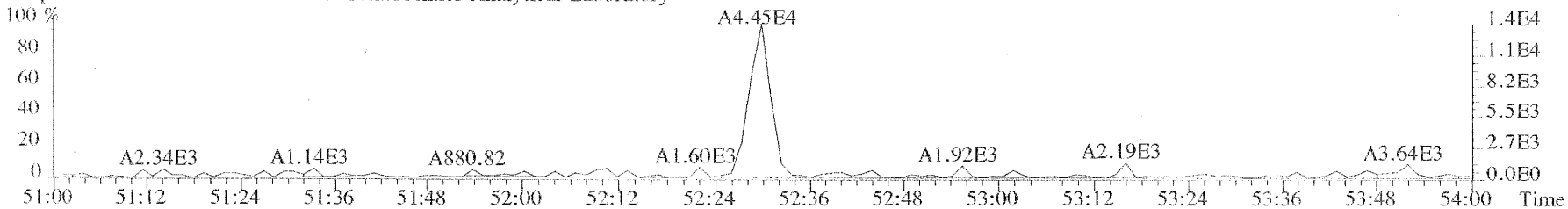
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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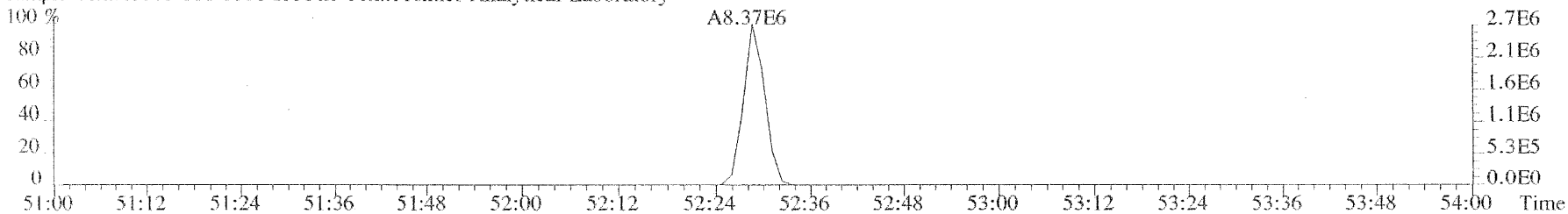
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



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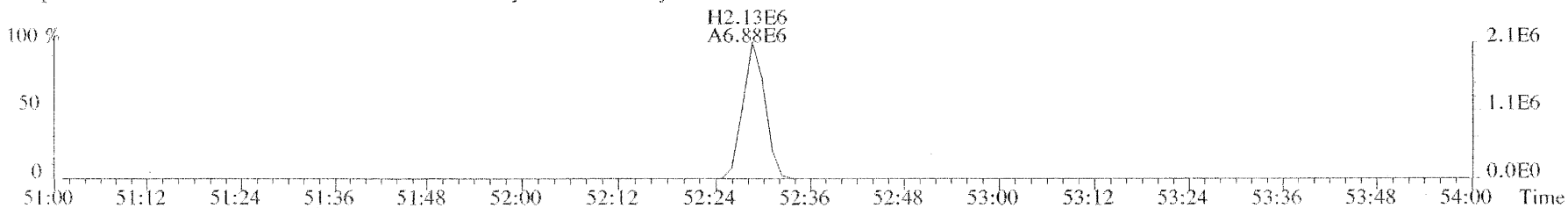
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-008-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-009-0001-SA Filename: 26OCT20Z Sam:12 Acquired: 26-OCT-20 20:41:59 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-ENR-CC-S010-BIO 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	3.47e+04	3.05 y	14:34	1.30	6.93	J	-	-	*			
13C-PCB-1	3.86e+07	3.31 y	14:34	0.83	9510					95.1	1.03e+07	3.17e+06
PCB-2	*	* n	NotFnd	1.33	*		1370	1010	3.61			
PCB-3	*	* n	NotFnd	1.34	*		1370	1010	3.89			
13C-PCB-3	3.74e+07	3.34 y	16:59	0.80	9520					95.2	8.84e+06	2.61e+06
PCB-4	3.58e+05	1.44 y	18:14	1.01	101		-	-	*			
PCB-10	*	* n	NotFnd	1.43	*		740	3510	6.16			
13C-PCB-4	3.52e+07	1.57 y	18:13	0.64	11300					113	6.63e+06	4.24e+06
PCB-9	9.13e+04	1.57 y	19:56	1.34	15.4	J	-	-	*			
PCB-7	7.01e+04	1.50 y	19:58	1.40	11.3	J	-	-	*			
PCB-6	4.19e+05	1.50 y	20:32	1.35	70.1		-	-	*			
PCB-8	1.31e+06	1.43 y	20:55	1.33	222		-	-	*			
PCB-5	*	* n	NotFnd	1.36	*		740	3510	6.49			
PCB-14	6.01e+06	1.53 y	21:58	1.37	988		-	-	*			
PCB-11	3.10e+05	1.49 y	23:07	1.34	52.3		-	-	*			
PCB-13	*	* n	NotFnd	1.39	*		740	3510	6.35			
PCB-12	*	* n	NotFnd	1.30	*		740	3510	6.79			
PCB-15	3.85e+05	1.45 y	23:46	1.24	57.9		-	-	*			
13C-PCB-15	5.36e+07	1.59 y	23:44	1.02	10700					107	7.96e+06	5.04e+06
PCB-19	2.91e+05	1.14 y	22:07	1.31	122		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		2400	412	6.75			
PCB-18	2.54e+06	1.12 y	23:40	1.36	1020		-	-	*			
PCB-17	1.18e+06	1.07 y	23:50	1.48	437		-	-	*			
PCB-27	1.31e+05	1.14 y	24:20	1.93	37.3		-	-	*			
PCB-24	1.98e+05	1.10 y	24:21	1.97	54.7		-	-	*			
PCB-16	8.00e+05	1.15 y	24:51	1.66	264		-	-	*			
PCB-32	1.08e+06	1.13 y	24:52	1.65	358		-	-	*			
13C-PCB-19	1.83e+07	1.12 y	22:06	0.40	9330					93.3	2.69e+06	2.51e+06
13C-PCB-9	4.90e+07	1.59 y	19:53	-	90.5							
PCB-34	*	* n	NotFnd	1.16	*		1560	1230	9.10			
PCB-23	*	* n	NotFnd	1.15	*		1560	1230	9.17			
PCB-29	*	* n	NotFnd	1.19	*		1560	1230	8.80			
PCB-26	8.78e+05	1.17 y	26:08	1.17	234		-	-	*			
PCB-25	4.77e+05	1.06 y	26:18	1.14	130		-	-	*			
PCB-31	3.54e+06	1.12 y	26:37	1.18	937		-	-	*			
PCB-28	3.46e+06	1.15 y	26:44	1.34	803		-	-	*			
PCB-20	2.09e+06	1.11 y	27:19	1.12	581		-	-	*		Co-elute PCB 21/33	
PCB-21	2.09e+06	1.11 y	27:19	1.12	581		-	-	*		Co-elute PCB 20/33	
PCB-33	2.09e+06	1.11 y	27:19	1.12	581		-	-	*		Co-elute PCB 20/21	
PCB-22	1.11e+06	1.15 y	27:44	1.22	285		-	-	*			
PCB-36	4.99e+06	1.13 y	28:18	1.17	1330		-	-	*			
PCB-39	*	* n	NotFnd	1.22	*		1560	1230	8.62			
PCB-38	5.41e+04	1.03 y	29:29	1.28	13.2	J	-	-	*			
PCB-35	4.18e+04	1.08 y	30:00	1.22	10.7	J	-	-	*			
PCB-37	4.72e+05	1.16 y	30:25	1.20	122		-	-	*			
13C-PCB-37	3.21e+07	1.04 y	30:24	1.83	8250					82.5	3.47e+06	3.17e+06

PCB-54	*	*	n	NotFnd	1.30	*		1000	1560	6.80			
PCB-50	5.03e+04	0.73	y	26:46	1.04	17.5	J	-	-	*			
PCB-53	7.45e+05	0.74	y	27:22	1.02	263		-	-	*			
PCB-51	2.81e+05	0.72	y	27:42	1.08	93.5		-	-	*			
PCB-45	6.10e+05	0.78	y	28:07	0.91	242		-	-	*			
PCB-46	2.41e+05	0.79	y	28:35	0.89	97.6		-	-	*			
PCB-52	4.86e+06	0.77	y	29:00	1.15	1520		-	-	*	Co-elute PCB 69		
PCB-69	4.86e+06	0.77	y	29:00	1.15	1520		-	-	*	Co-elute PCB 52		
PCB-73	1.45e+05	0.75	y	29:06	1.28	40.8		-	-	*			
PCB-43	3.03e+06	0.76	y	29:18	1.00	1090		-	-	*	Co-elute PCB 49		
PCB-49	3.03e+06	0.76	y	29:18	1.00	1090		-	-	*	Co-elute PCB 43		
PCB-47	1.04e+06	0.85	y	29:29	1.03	363		-	-	*			
PCB-48	9.09e+05	0.71	y	29:36	1.34	244		-	-	*	Co-elute PCB 75		
PCB-75	9.09e+05	0.71	y	29:36	1.34	244		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.36	*		1000	1560	6.50			
PCB-62	*	*	n	NotFnd	1.35	*		1000	1560	6.56			
PCB-44	2.51e+06	0.76	y	30:13	0.90	1000		-	-	*			
PCB-42	1.20e+06	0.77	y	30:27	1.12	385		-	-	*	Co-elute PCB 59		
PCB-59	1.20e+06	0.77	y	30:27	1.12	385		-	-	*	Co-elute PCB 42		
PCB-72	3.09e+06	0.76	y	31:01	1.26	885		-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.09e+06	0.76	y	31:01	1.26	885		-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.09e+06	0.76	y	31:01	1.26	885		-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.09e+06	0.76	y	31:01	1.26	885		-	-	*	Co-elute PCB 72/41/71		
PCB-68	7.73e+04	0.72	y	31:14	1.47	18.9	J	-	-	*			
PCB-40	3.97e+05	0.72	y	31:27	0.80	179		-	-	*			
PCB-57	*	*	n	NotFnd	1.38	*		1000	1560	6.41			
PCB-67	1.24e+05	0.69	y	32:05	1.39	32.0		-	-	*			
PCB-58	*	*	n	NotFnd	1.37	*		1000	1560	6.46			
PCB-63	1.49e+05	0.67	y	32:20	1.41	37.9		-	-	*			
PCB-74	1.48e+06	0.79	y	32:38	1.38	384		-	-	*			
PCB-61	3.16e+06	0.76	y	32:49	1.26	899		-	-	*	Co-elute PCB 70		
PCB-70	3.16e+06	0.76	y	32:49	1.26	899		-	-	*	Co-elute PCB 61		
PCB-76	2.64e+06	0.78	y	33:00	1.41	672		-	-	*	Co-elute PCB 66		
PCB-66	2.64e+06	0.78	y	33:00	1.41	672		-	-	*	Co-elute PCB 76		
PCB-80	9.34e+04	0.72	y	33:12	1.56	21.5		-	-	*			
PCB-55	2.70e+05	0.82	y	33:33	1.33	73.1		-	-	*			
13C-PCB-54	2.78e+07	0.80	y	25:38	1.12	11700					117	3.19e+06	4.04e+06
PCB-104	7.84e+06	1.56	y	30:06	1.20	3650		-	-	*			
PCB-96	3.81e+04	1.59	y	31:18	1.15	18.5	J	-	-	*			
PCB-103	4.37e+04	1.44	y	31:48	0.99	24.7		-	-	*			
PCB-100	3.46e+04	1.43	y	32:07	0.97	19.9	J	-	-	*			
PCB-94	2.34e+04	1.52	y	32:34	0.82	16.0	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.81	*		324	444	5.53	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.81	*		324	444	5.53	Co-elute PCB 98		
PCB-95	2.23e+06	1.58	y	33:05	0.88	1410		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		324	444	5.23			
PCB-88	*	*	n	NotFnd	0.86	*		324	444	5.18	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.86	*		324	444	5.18	Co-elute PCB 88		
PCB-121	1.05e+07	1.56	y	33:32	1.17	5030		-	-	*			
13C-PCB-104	1.79e+07	1.62	y	30:05	0.79	10600					106	2.68e+06	1.62e+06
13C-PCB-28	3.46e+07	1.10	y	26:42	2.03	8030					80.3	4.06e+06	3.81e+06
13C-PCB-52	2.13e+07	0.80	y	28:59	-	82.6							

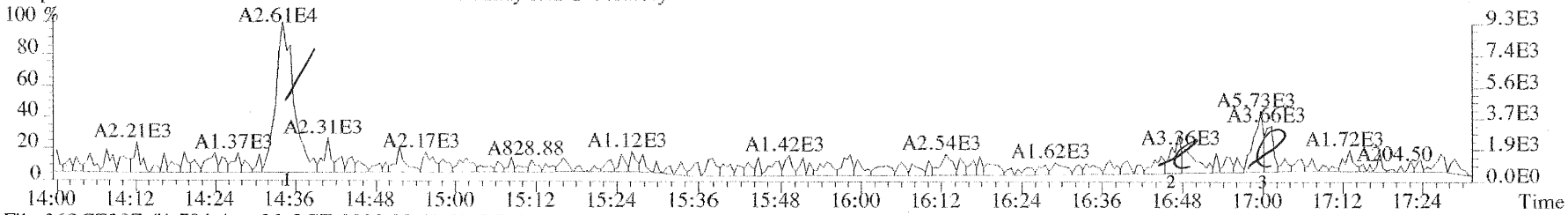
PCB-56	1.94e+06	0.82	y	33:59	1.15	457		-	-	*			Co-elute PCB 60
PCB-60	1.94e+06	0.82	y	33:59	1.15	457		-	-	*			Co-elute PCB 56
PCB-79	7.33e+04	0.69	y	35:00	1.25	15.9	J	-	-	*			
PCB-78	1.52e+07	0.83	y	35:39	1.20	3410		-	-	*			
PCB-81	1.61e+05	0.73	y	36:11	1.29	34.1		-	-	*			
13C-PCB-81	3.67e+07	0.79	y	36:08	1.82	11100					111	3.43e+06	4.49e+06
PCB-77	2.02e+05	0.73	y	36:44	1.13	47.9		-	-	*			
13C-PCB-77	3.72e+07	0.78	y	36:43	1.87	11000					110	3.41e+06	4.44e+06
PCB-155	1.15e+07	1.30	y	34:15	1.12	6090		-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*		728	656	6.97			
PCB-152	*	*	n	NotFnd	1.06	*		728	656	7.24			
PCB-145	*	*	n	NotFnd	1.07	*		728	656	7.17			
PCB-136	3.43e+05	1.31	y	36:37	1.08	188		-	-	*			
PCB-148	*	*	n	NotFnd	0.76	*		728	656	10.1			
PCB-154	4.94e+04	1.19	y	37:12	0.93	31.5		-	-	*			
13C-PCB-155	1.69e+07	1.35	y	34:13	1.04	8950					89.5	2.58e+06	1.92e+06
13C-PCB-111	2.26e+07	1.63	y	36:19	1.29	9660					96.6	3.22e+06	2.01e+06
13C-PCB-101	1.82e+07	1.62	y	34:40	-	85.2							
PCB-84	1.57e+06	1.53	y	34:20	0.66	747		-	-	*			Co-elute PCB 92
PCB-92	1.57e+06	1.53	y	34:20	0.66	747		-	-	*			Co-elute PCB 84
PCB-89	5.40e+04	1.34	y	34:30	0.67	25.2		-	-	*			
PCB-90	3.31e+06	1.59	y	34:41	0.75	1400		-	-	*			Co-elute PCB 101
PCB-101	3.31e+06	1.59	y	34:41	0.75	1400		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		1240	1200	9.91			
PCB-99	1.45e+06	1.55	y	35:00	0.83	555		-	-	*			
PCB-119	*	*	n	NotFnd	0.99	*		1240	1200	8.74			
PCB-83	1.57e+05	1.56	y	35:36	0.78	63.0		-	-	*			Co-elute PCB 112
PCB-112	1.57e+05	1.56	y	35:36	0.78	63.0		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		1240	1200	9.29			
PCB-97	8.41e+05	1.53	y	35:55	0.64	415		-	-	*			
PCB-86	*	*	n	NotFnd	0.56	*		1240	1200	15.4			
PCB-125	1.19e+06	1.55	y	36:11	0.89	422		-	-	*			Co-elute PCB 87/117
PCB-87	1.19e+06	1.55	y	36:11	0.89	422		-	-	*			Co-elute PCB 125/117
PCB-117	1.19e+06	1.55	y	36:11	0.89	422		-	-	*			Co-elute PCB 125/87
PCB-111	8.87e+04	1.70	y	36:20	0.95	29.4		-	-	*			Co-elute PCB 115
PCB-115	8.87e+04	1.70	y	36:20	0.95	29.4		-	-	*			Co-elute PCB 111
PCB-85	4.69e+05	1.54	y	36:26	0.84	175		-	-	*			Co-elute PCB 116
PCB-116	4.69e+05	1.54	y	36:26	0.84	175		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		1240	1200	8.57			
PCB-110	3.56e+06	1.60	y	36:49	0.94	1200		-	-	*			
PCB-82	2.57e+05	1.62	y	37:26	0.57	143		-	-	*			
PCB-124	1.56e+05	1.49	y	38:05	1.21	40.7		-	-	*			
PCB-108	2.24e+05	1.74	y	38:13	1.16	60.9		-	-	*			Co-elute PCB 107
PCB-107	2.24e+05	1.74	y	38:13	1.16	60.9		-	-	*			Co-elute PCB 108
PCB-123	3.68e+04	1.76	y	38:21	1.11	11.0	J	-	-	*			
13C-PCB-123	3.00e+07	1.58	y	38:21	1.40	10600					106	4.28e+06	2.66e+06
PCB-118	2.47e+06	1.58	y	38:33	1.14	643		-	-	*			Co-elute PCB 106
PCB-106	2.47e+06	1.58	y	38:33	1.14	643		-	-	*			Co-elute PCB 118
13C-PCB-118	3.36e+07	1.61	y	38:31	1.51	11100					111	4.64e+06	2.87e+06
PCB-114	8.99e+04	1.78	y	39:09	1.24	22.0		-	-	*			
13C-PCB-114	3.28e+07	1.60	y	39:07	1.49	10900					109	4.32e+06	2.69e+06
PCB-122	4.23e+04	1.39	y	39:15	1.16	11.5	J	-	-	*			
PCB-105	8.48e+05	1.65	y	39:58	1.22	229		-	-	*			
13C-PCB-105	3.03e+07	1.60	y	39:57	1.49	10100					101	4.29e+06	2.64e+06

PCB-127	*	*	n	NotFnd	1.17	*		1120	1040	6.54			
PCB-126	*	*	n	NotFnd	1.19	*		1120	1040	7.09			
13C-PCB-126	2.92e+07	1.61	y	42:03	1.42	10200					102	3.91e+06	2.46e+06
PCB-151	5.72e+05	1.32	y	37:48	0.93	255		-	-	*			
PCB-135	3.42e+05	1.28	y	38:00	0.95	149		-	-	*			
PCB-144	1.19e+05	1.18	y	38:06	0.93	53.2		-	-	*			
PCB-147	4.51e+04	1.21	y	38:15	0.96	19.3	J	-	-	*			
PCB-139	2.04e+06	1.29	y	38:28	0.98	856		-	-	*		Co-elute PCB 149	
PCB-149	2.04e+06	1.29	y	38:28	0.98	856		-	-	*		Co-elute PCB 139	
PCB-140	2.61e+04	1.07	y	38:39	0.97	11.1	J	-	-	*			
PCB-143	1.34e+05	1.31	y	39:06	0.81	68.4		-	-	*		Co-elute PCB 134	
PCB-134	1.34e+05	1.31	y	39:06	0.81	68.4		-	-	*		Co-elute PCB 143	
PCB-131	6.20e+04	1.27	y	39:20	0.83	30.9		-	-	*		Co-elute PCB 133	
PCB-133	6.20e+04	1.27	y	39:20	0.83	30.9		-	-	*		Co-elute PCB 131	
PCB-142	1.95e+06	1.26	y	39:30	0.83	970		-	-	*			
PCB-165	3.84e+05	1.25	y	39:42	1.12	142		-	-	*		Co-elute PCB 146	
PCB-146	3.84e+05	1.25	y	39:42	1.12	142		-	-	*		Co-elute PCB 165	
PCB-161	6.82e+05	1.21	y	39:58	1.04	270		-	-	*		Co-elute PCB 132	
PCB-132	6.82e+05	1.21	y	39:58	1.04	270		-	-	*		Co-elute PCB 161	
PCB-153	2.26e+06	1.22	y	40:06	1.08	866		-	-	*			
PCB-168	*	*	n	NotFnd	1.19	*		1140	1130	8.10			
PCB-141	3.42e+05	1.21	y	40:48	0.94	150		-	-	*			
PCB-137	7.65e+04	1.29	y	41:09	0.98	32.2		-	-	*			
PCB-130	1.17e+05	1.12	y	41:16	0.76	63.7		-	-	*			
PCB-138	2.04e+06	1.22	y	41:37	1.11	759		-	-	*		Co-elute PCB 163/164	
PCB-163	2.04e+06	1.22	y	41:37	1.11	759		-	-	*		Co-elute PCB 138/164	
PCB-164	2.04e+06	1.22	y	41:37	1.11	759		-	-	*		Co-elute PCB 138/163	
PCB-158	2.51e+05	1.23	y	41:50	1.25	82.7		-	-	*		Co-elute PCB 160	
PCB-160	2.51e+05	1.23	y	41:50	1.25	82.7		-	-	*		Co-elute PCB 158	
PCB-129	8.12e+04	1.35	y	42:05	0.78	42.8		-	-	*			
PCB-166	*	*	n	NotFnd	1.22	*		1140	1130	7.90			
PCB-159	4.90e+04	1.08	y	42:51	1.31	15.4	J	-	-	*			
PCB-128	2.57e+05	1.06	y	43:06	1.04	102		-	-	*		Co-elute PCB 162	
PCB-162	2.57e+05	1.06	y	43:06	1.04	102		-	-	*		Co-elute PCB 128	
PCB-167	7.71e+04	1.20	y	43:27	1.20	25.9		-	-	*			
13C-PCB-167	2.48e+07	1.29	y	43:26	1.18	10500					105	3.33e+06	2.57e+06
PCB-156	1.71e+05	1.35	y	44:41	1.29	56.0		-	-	*			
13C-PCB-156	2.38e+07	1.30	y	44:40	1.15	10200					102	3.20e+06	2.38e+06
PCB-157	5.00e+04	1.19	y	44:54	1.21	16.6	J	-	-	*			
13C-PCB-157	2.48e+07	1.29	y	44:54	1.17	10500					105	3.32e+06	2.52e+06
PCB-169	*	*	n	NotFnd	1.17	*		1140	1130	7.64			
13C-PCB-169	2.35e+07	1.31	y	46:46	1.18	9890					98.9	3.63e+06	2.75e+06

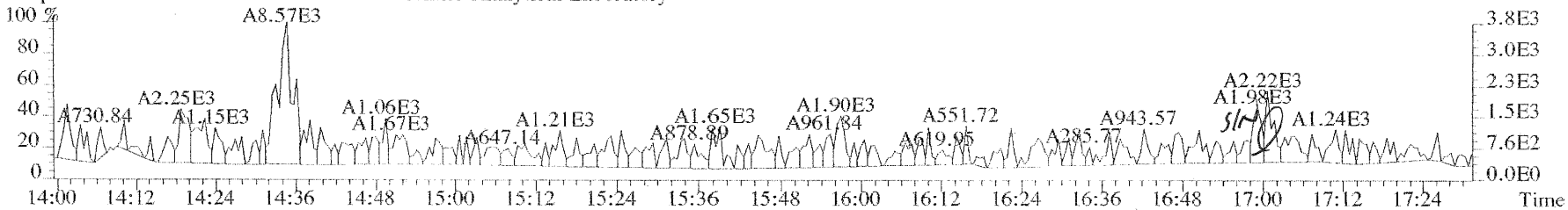
PCB-188	3.89e+04	1.12	y	39:45	1.16	17.1	J	-	-	*		
13C-PCB-188	1.96e+07	1.09	y	39:43	0.93	10500					105	2.41e+06	2.23e+06
PCB-184	1.38e+07	1.06	y	40:10	1.25	6130		-	-	*		
PCB-179	1.70e+05	1.06	y	40:54	1.20	78.1		-	-	*		
PCB-176	5.48e+04	1.02	y	41:21	1.15	26.2		-	-	*		
PCB-186	*	*	n	NotFnd	1.18	*		510	348	3.90		
PCB-178	6.00e+04	0.99	y	42:21	0.85	38.9		-	-	*		
PCB-175	*	*	n	NotFnd	0.90	*		510	348	5.16		
PCB-187	3.31e+05	1.08	y	42:51	0.95	192		-	-	*	Co-elute PCB 182	
PCB-182	3.31e+05	1.08	y	42:51	0.95	192		-	-	*	Co-elute PCB 187	
PCB-183	1.79e+05	1.08	y	43:11	0.94	105		-	-	*		
PCB-185	3.42e+04	1.17	y	43:47	0.88	21.4		-	-	*		
PCB-174	2.14e+05	1.10	y	44:08	0.87	137		-	-	*		
PCB-181	*	*	n	NotFnd	0.89	*		510	348	5.16		
PCB-177	1.34e+05	0.92	y	44:25	0.82	90.3		-	-	*		
PCB-171	6.07e+04	1.12	y	44:41	0.87	38.6		-	-	*		
PCB-173	*	*	n	NotFnd	0.80	*		510	348	5.74		
PCB-172	2.24e+05	0.98	y	45:27	0.83	149		-	-	*		
PCB-192	9.12e+06	1.09	y	45:39	1.09	4630		-	-	*		
PCB-180	3.84e+05	1.18	y	45:49	0.85	251		-	-	*		
PCB-193	4.28e+04	1.06	y	46:00	1.17	20.1		-	-	*		
PCB-191	*	*	n	NotFnd	1.14	*		510	348	4.06		
PCB-170	1.34e+05	1.09	y	47:06	0.85	86.9		-	-	*		
PCB-190	5.07e+04	1.09	y	47:16	1.13	24.7		-	-	*		
PCB-189	*	*	n	NotFnd	1.16	*		510	348	3.96		
13C-PCB-189	1.66e+07	1.11	y	48:27	0.88	9290					92.9	2.50e+06	2.17e+06
PCB-202	*	*	n	NotFnd	1.08	*		388	420	6.12		
PCB-201	*	*	n	NotFnd	1.18	*		388	420	5.59		
PCB-204	1.74e+07	0.93	y	45:26	1.18	11900		-	-	*		
PCB-197	9.85e+04	0.86	y	45:42	1.23	64.8		-	-	*		
PCB-200	*	*	n	NotFnd	1.21	*		388	420	5.46		
PCB-198	*	*	n	NotFnd	0.88	*		388	420	7.55		
PCB-199	5.01e+04	0.85	y	47:42	0.90	45.0		-	-	*		
PCB-203	5.68e+04	1.00	y	47:57	0.96	47.5		-	-	*	Co-elute PCB 196	
PCB-196	5.68e+04	1.00	y	47:57	0.96	47.5		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.24e+07	0.92	y	44:50	0.68	9020					90.2	1.44e+06	1.63e+06
13C-PCB-178	1.35e+07	1.08	y	42:21	0.71	9440					94.4	1.68e+06	1.53e+06
13C-PCB-138	2.02e+07	1.30	y	41:34	-	86.9							
PCB-195	3.50e+04	0.98	y	49:04	0.85	16.9	J	-	-	*		
PCB-194	7.66e+04	0.82	y	49:52	0.96	32.7		-	-	*		
PCB-205	*	*	n	NotFnd	1.14	*		1130	6150	18.9		
13C-PCB-205	2.44e+07	0.90	y	50:06	1.22	10800					108	4.04e+06	4.40e+06
PCB-208	*	*	n	NotFnd	1.12	*		896	936	4.93		
13C-PCB-208	2.37e+07	0.81	y	49:09	1.00	12700					127	3.64e+06	4.68e+06
PCB-207	1.07e+05	1.22	y	49:29	1.24	42.8		-	-	*		
PCB-206	*	*	n	NotFnd	1.15	*		896	936	7.09		
13C-PCB-206	1.67e+07	0.82	y	51:18	0.77	11700					117	2.53e+06	3.09e+06
PCB-209	1.27e+05	1.06	y	52:30	1.24	62.9		-	-	*		
13C-PCB-209	1.63e+07	1.20	y	52:28	0.79	11100					111	2.78e+06	2.36e+06
13C-PCB-194	1.86e+07	0.92	y	49:50	-	76.0							

Analyst: [illegible] Date: 10/30/20

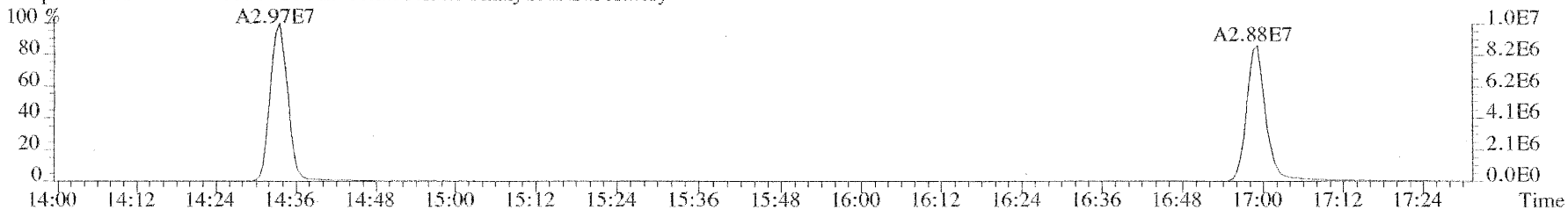
File:26OCT20Z #1-784 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



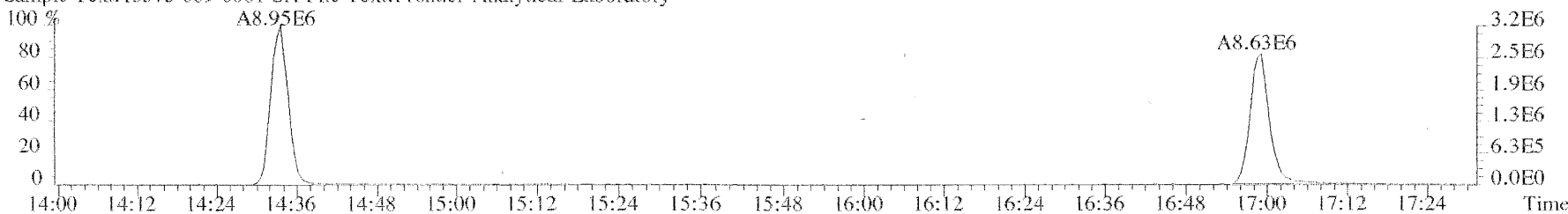
File:26OCT20Z #1-784 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



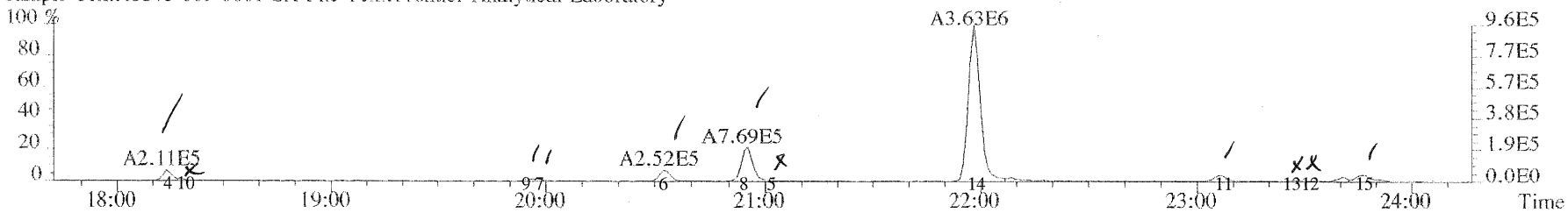
File:26OCT20Z #1-784 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



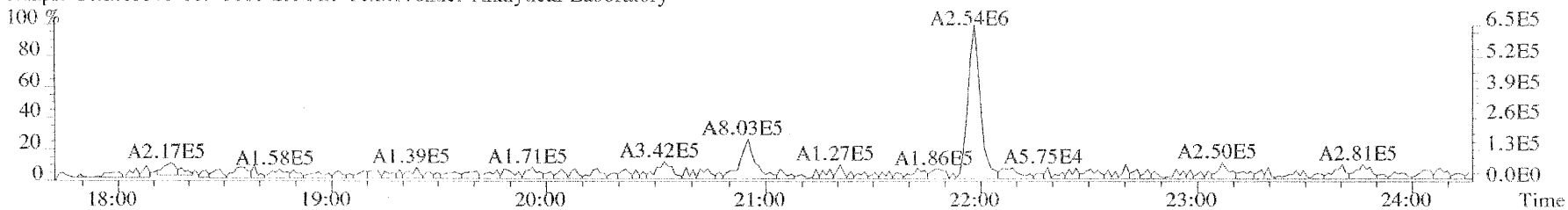
File:26OCT20Z #1-784 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



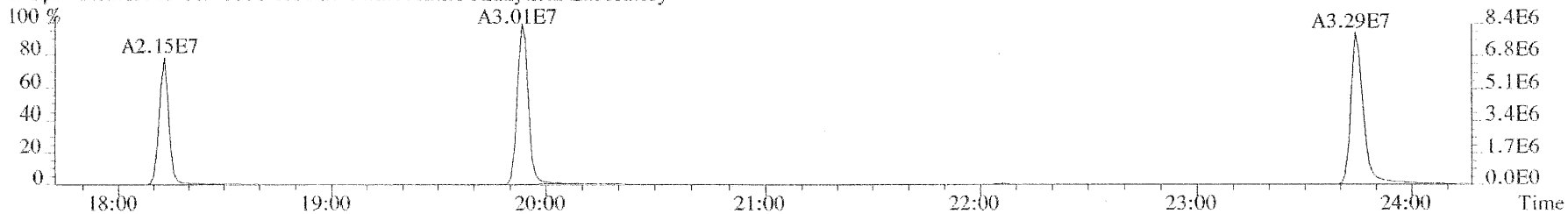
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



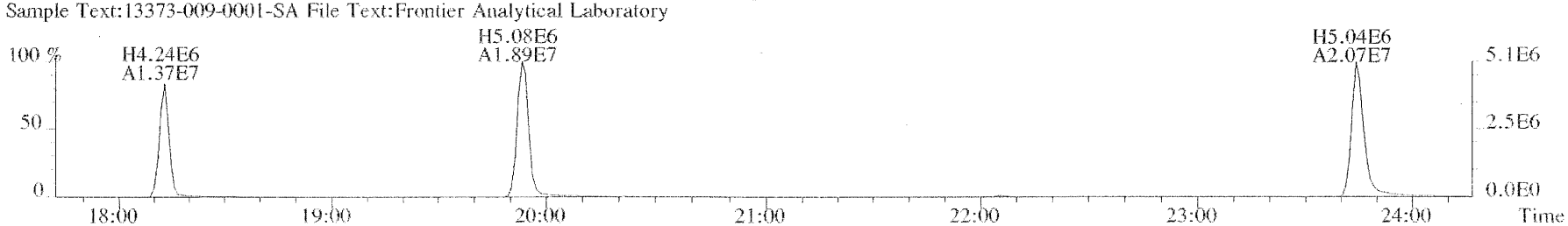
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



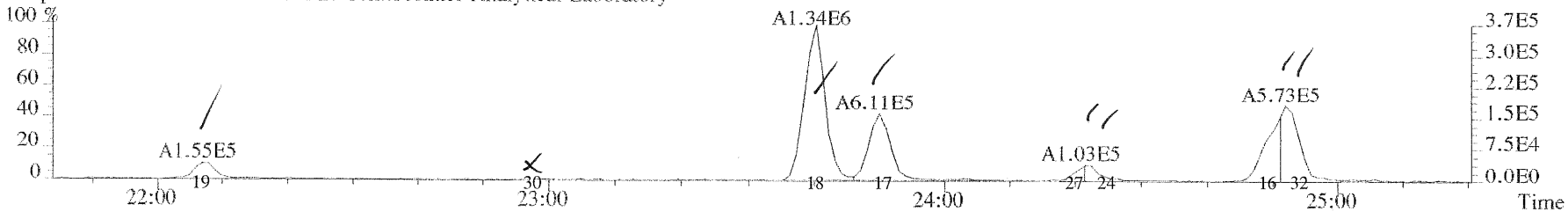
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



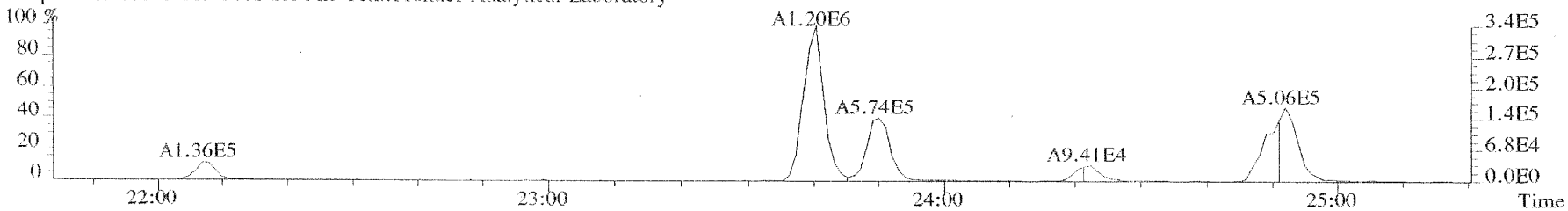
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



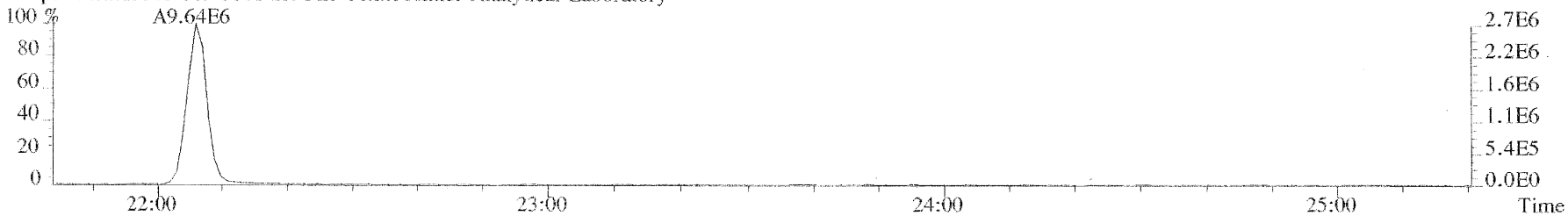
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



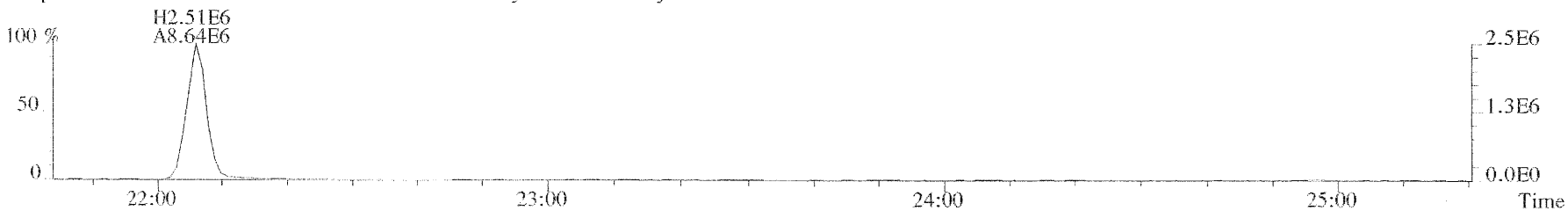
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



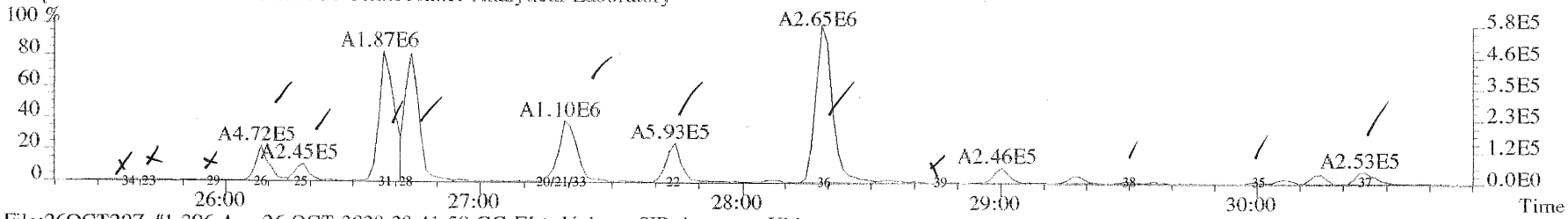
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



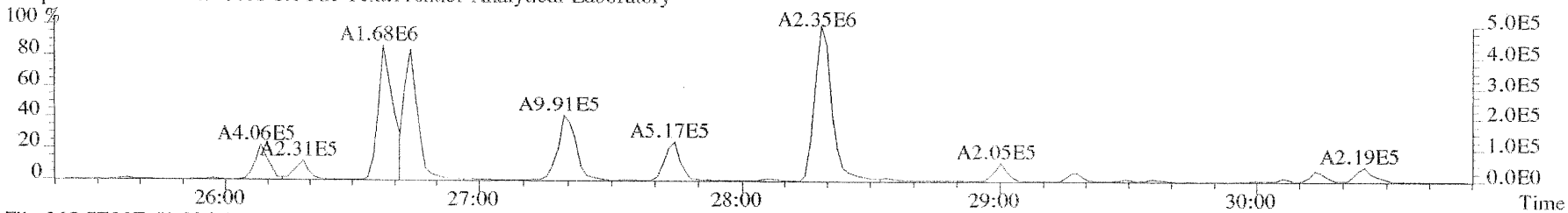
File:26OCT20Z #1-467 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



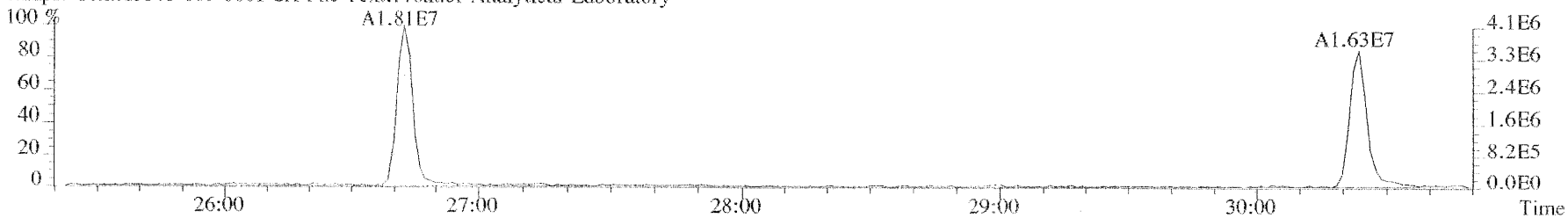
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



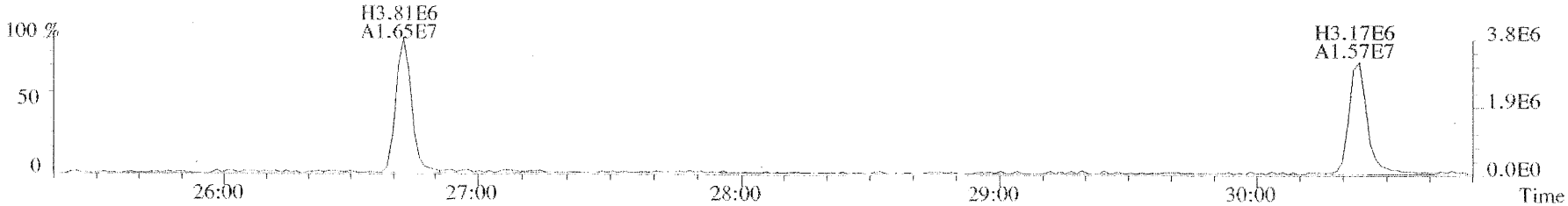
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



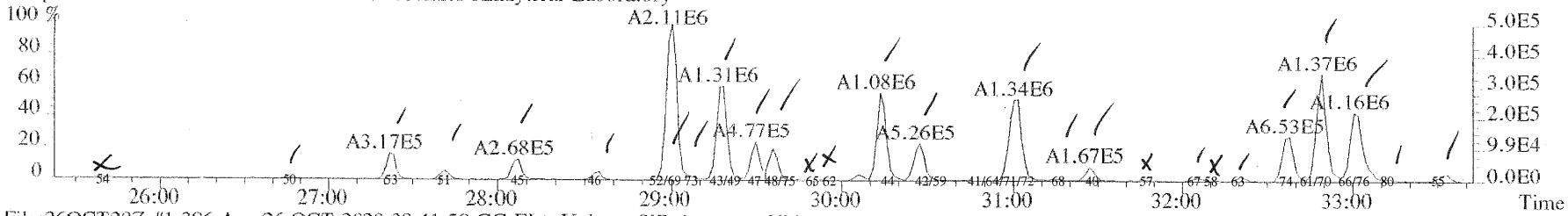
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



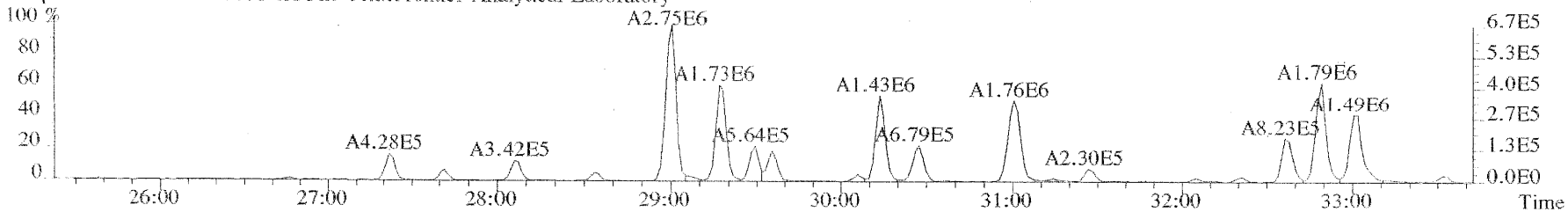
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



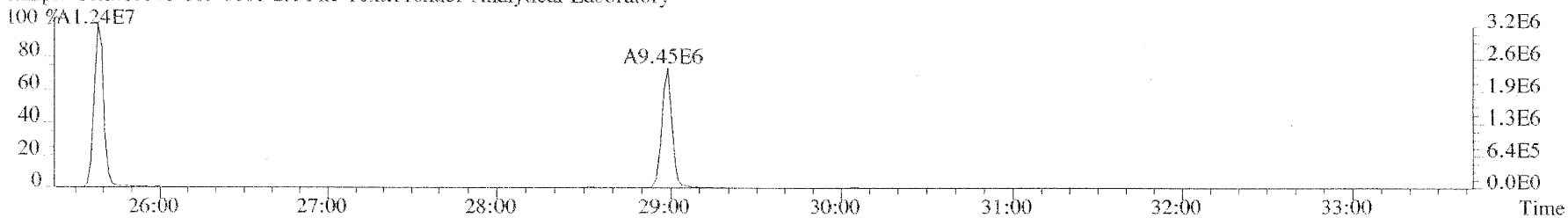
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



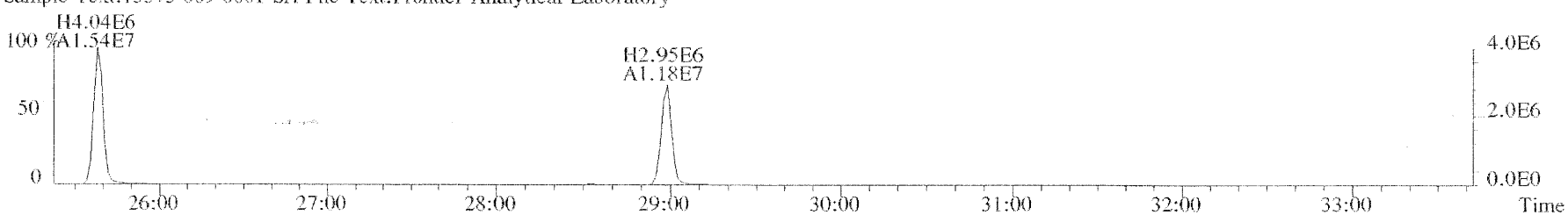
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



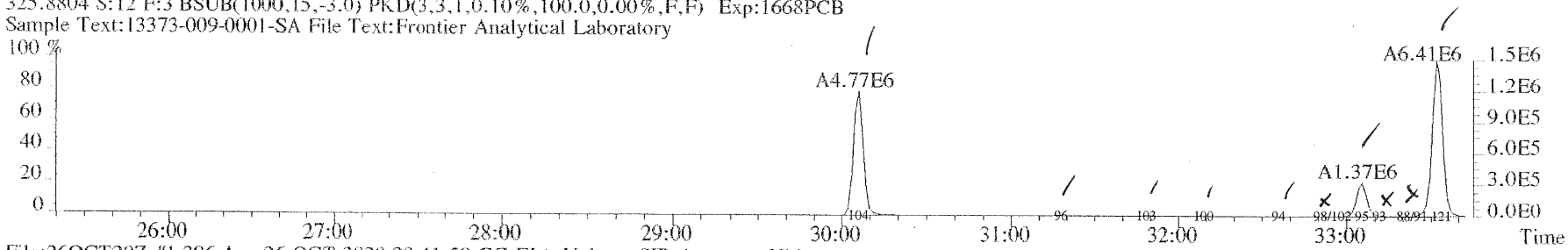
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



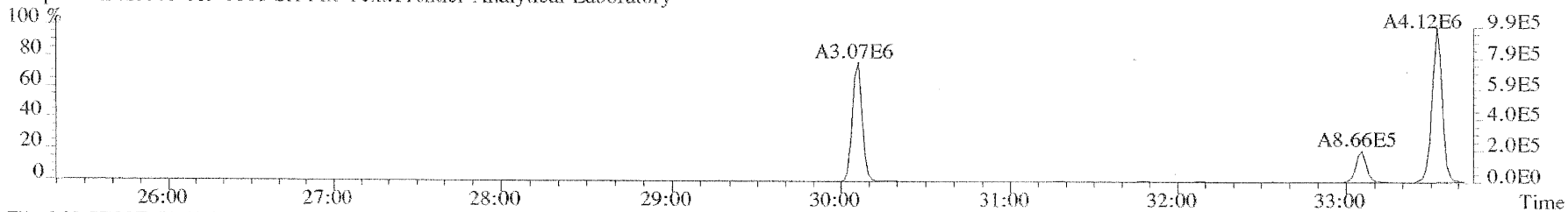
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



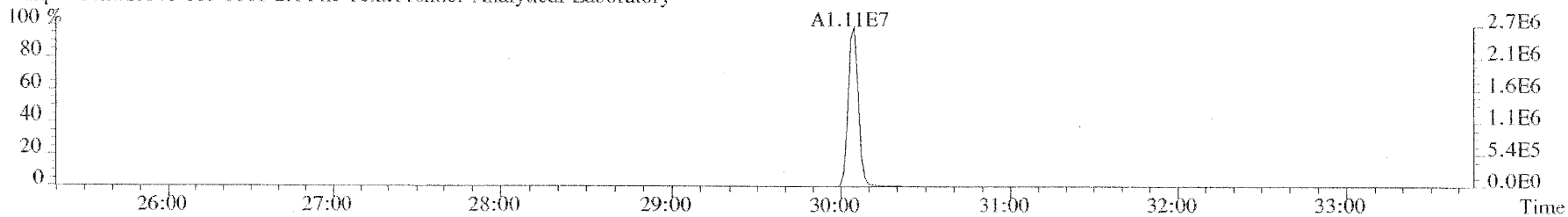
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



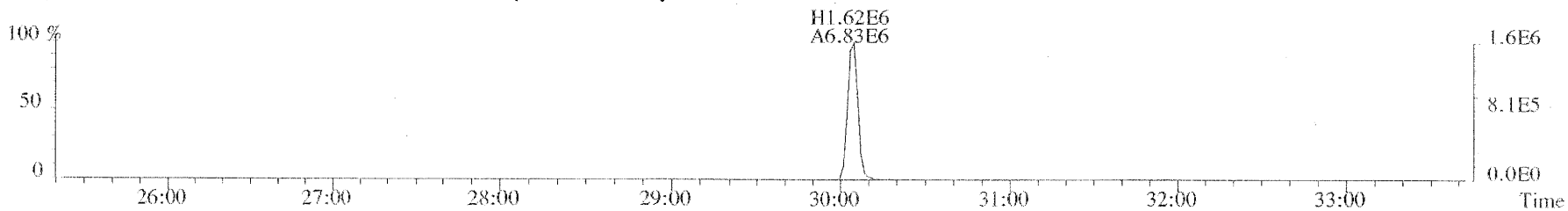
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



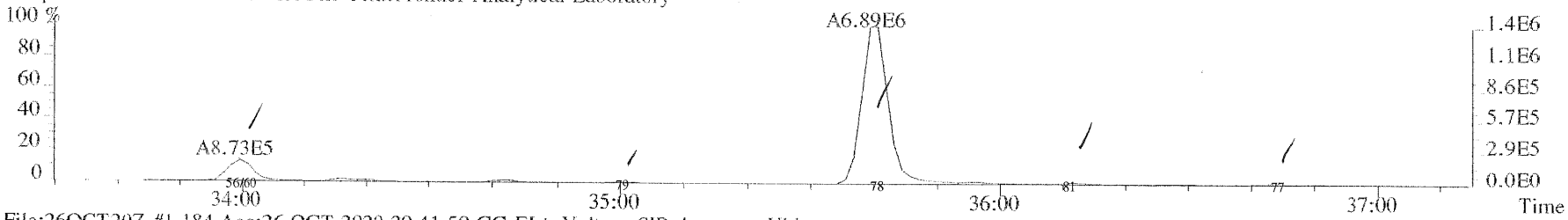
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



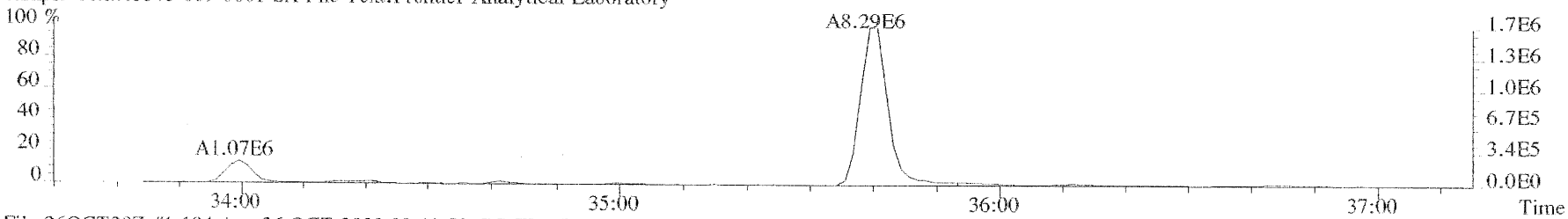
File:26OCT20Z #1-396 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



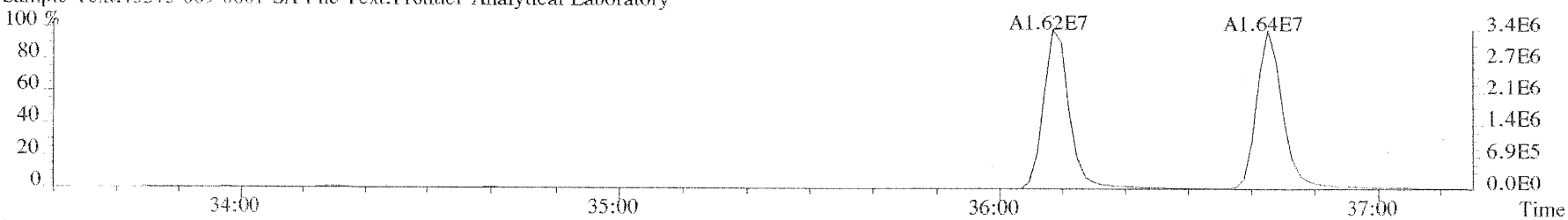
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



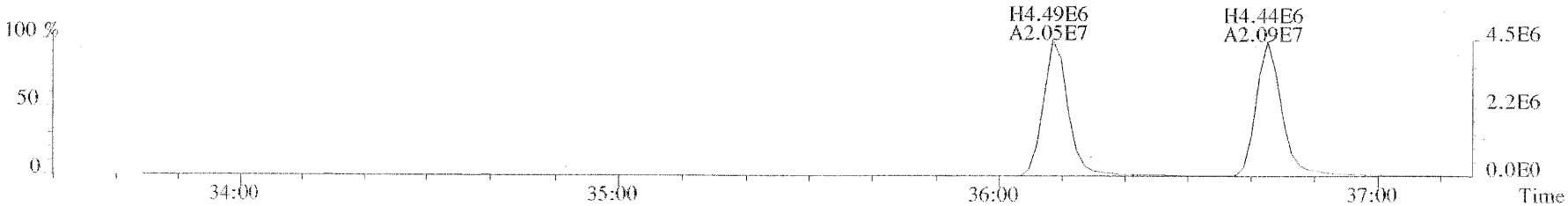
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



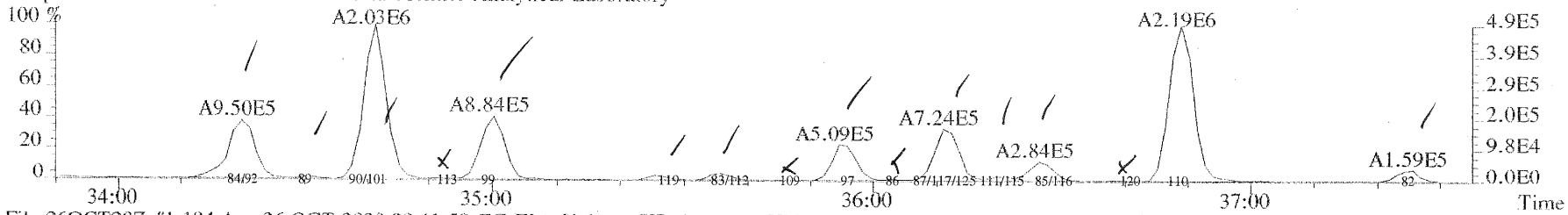
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



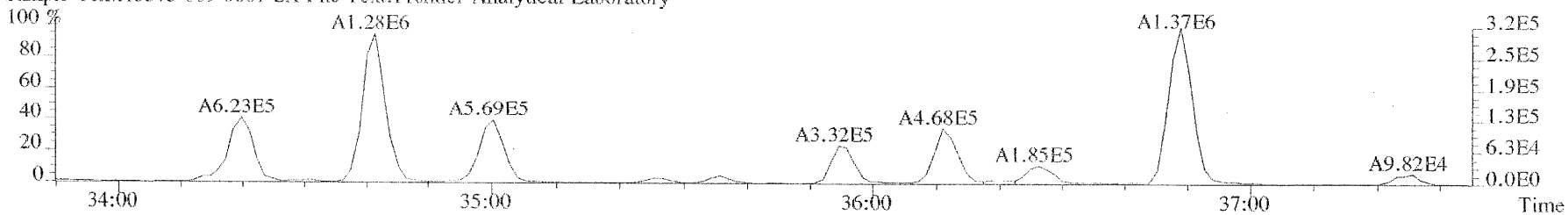
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



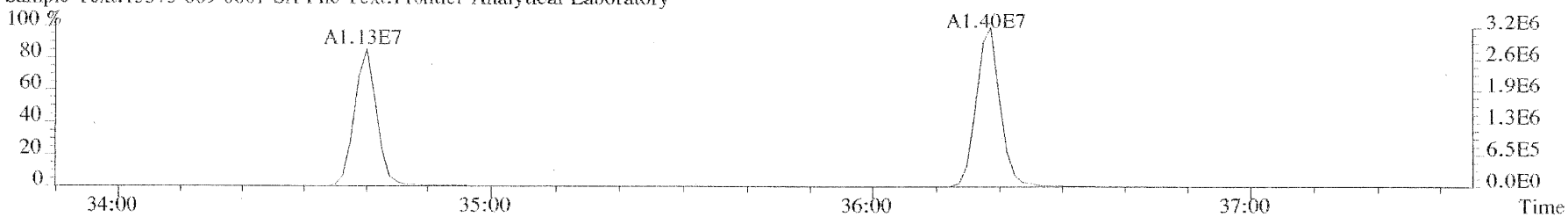
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



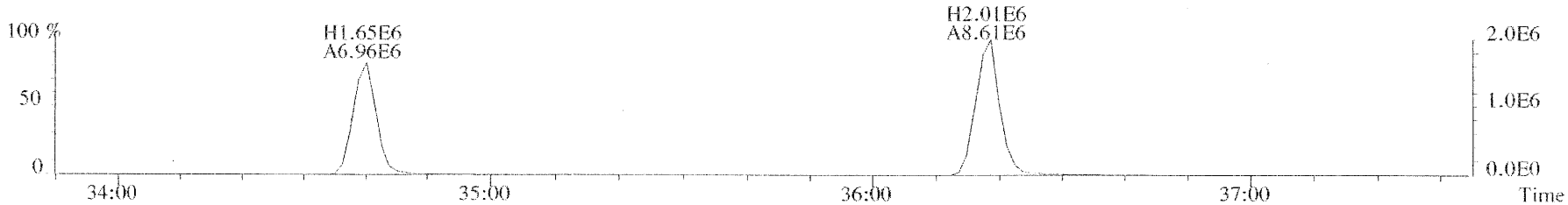
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



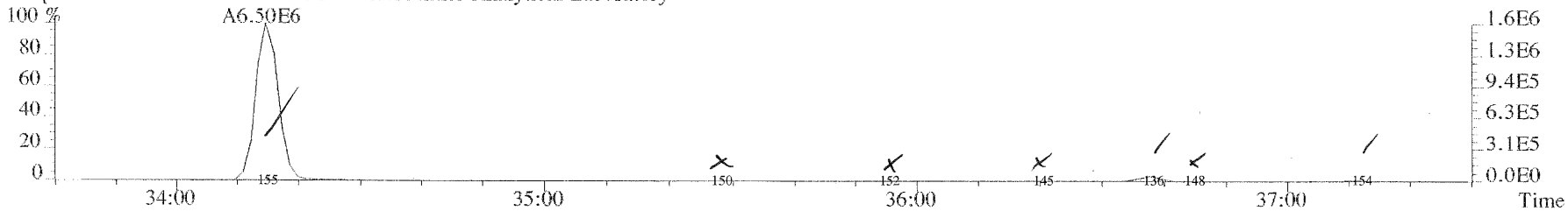
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



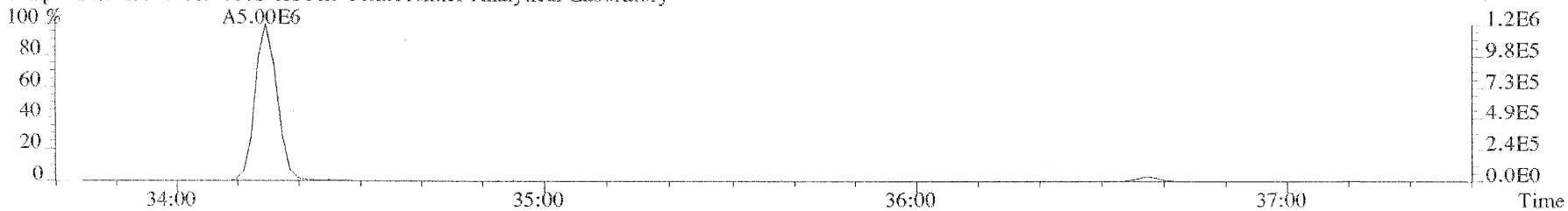
File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-184 Acq:26-OCT-2020 20:41:59 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



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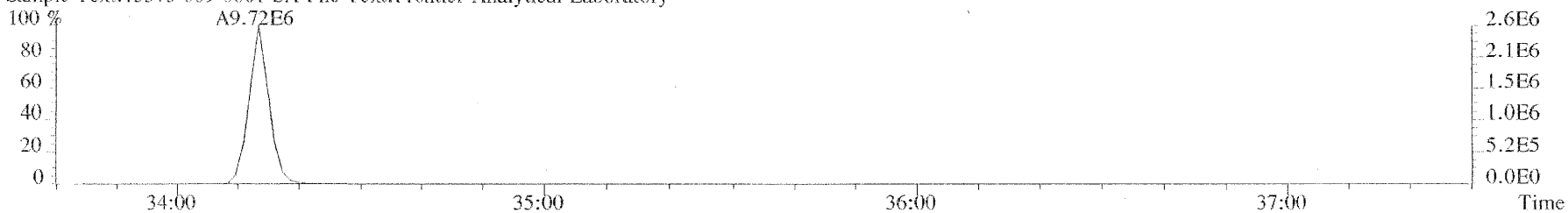
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



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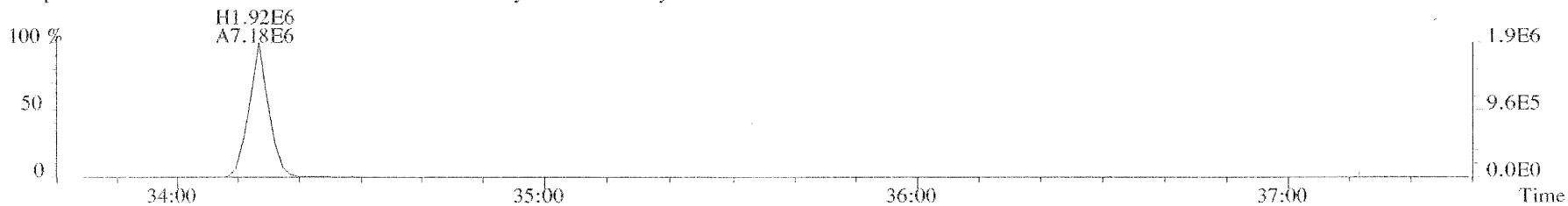
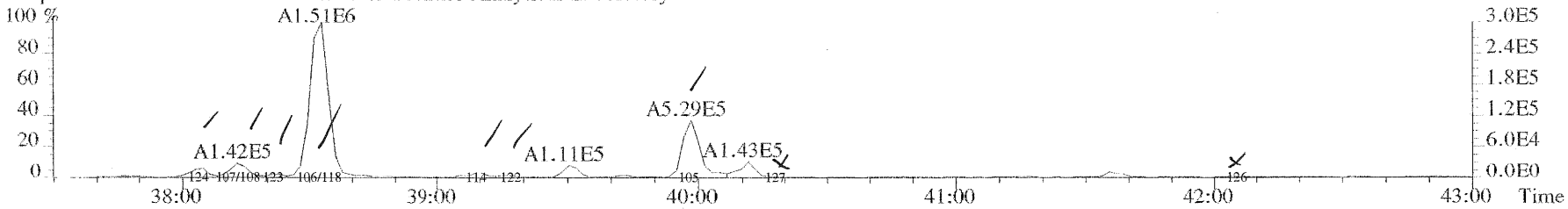
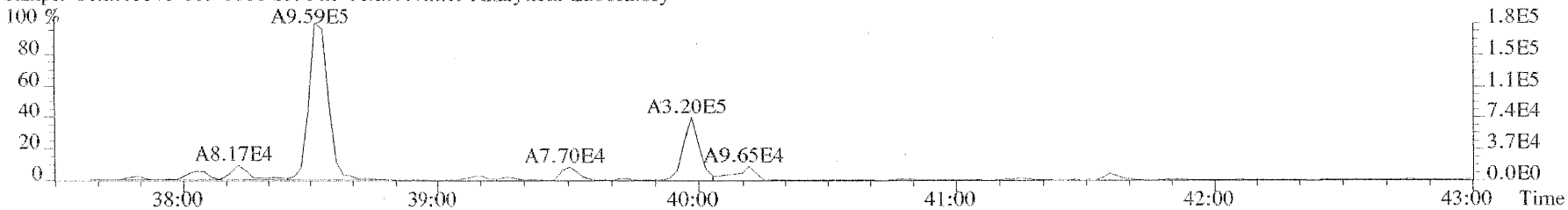
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
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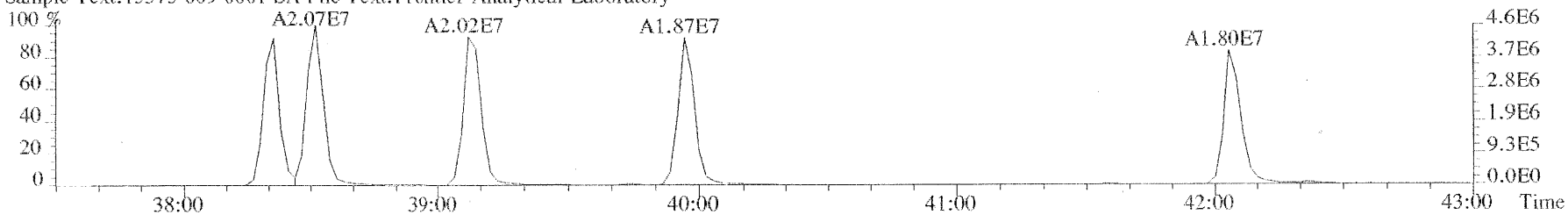
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
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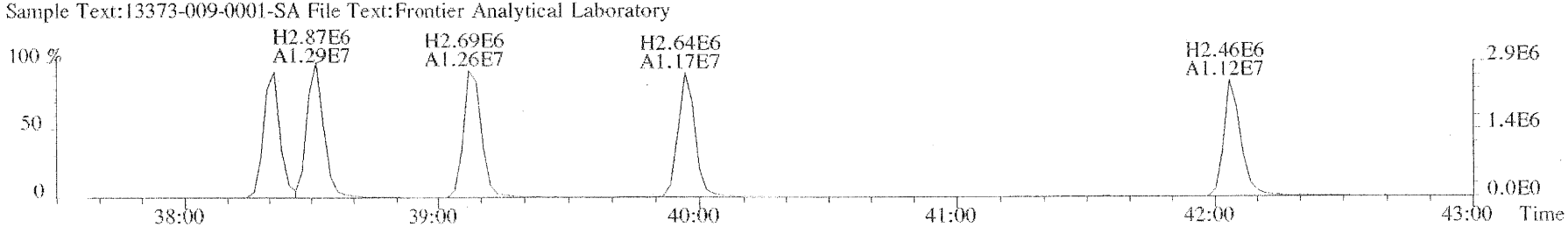
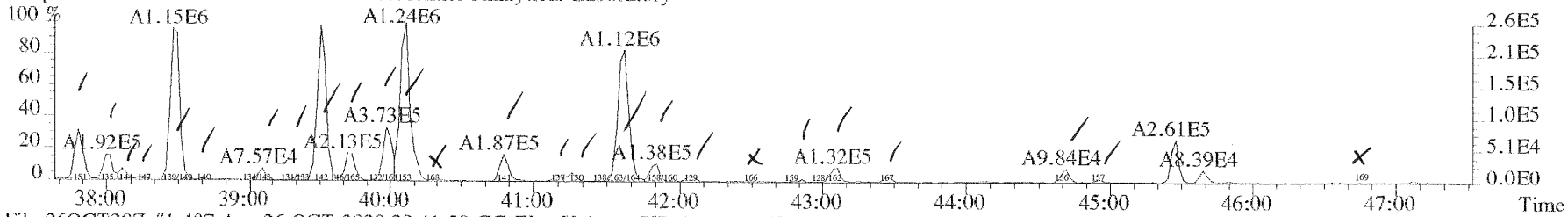
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
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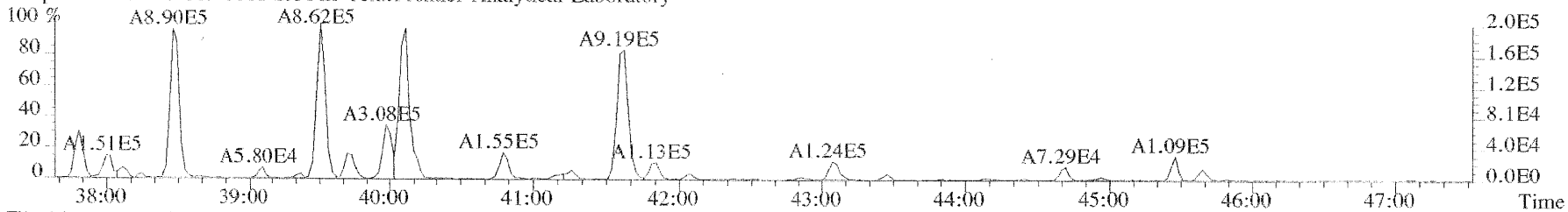
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
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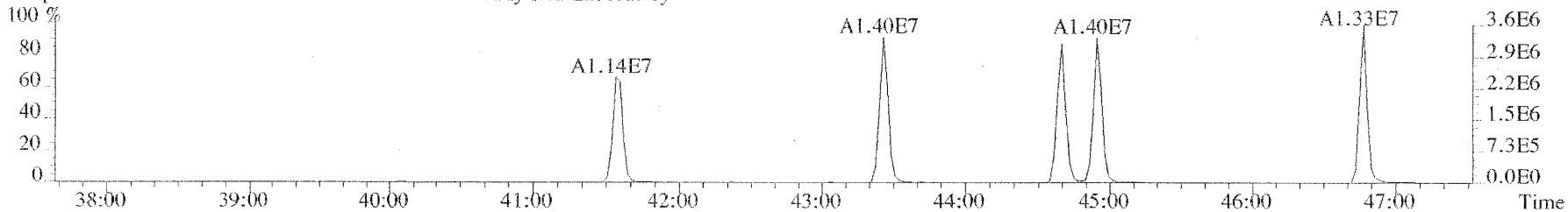
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
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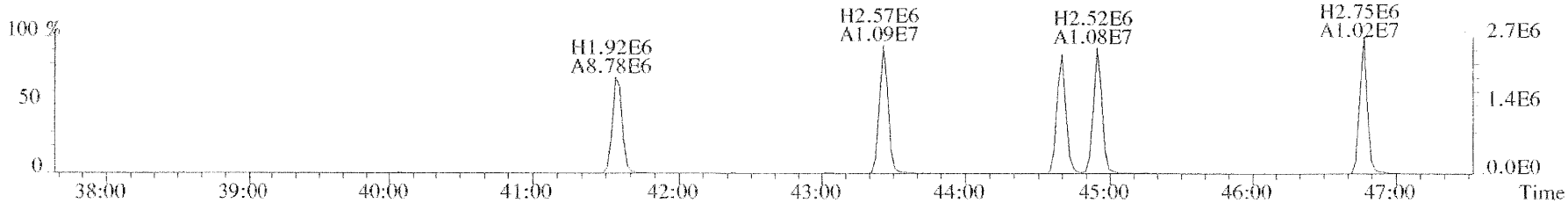
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 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
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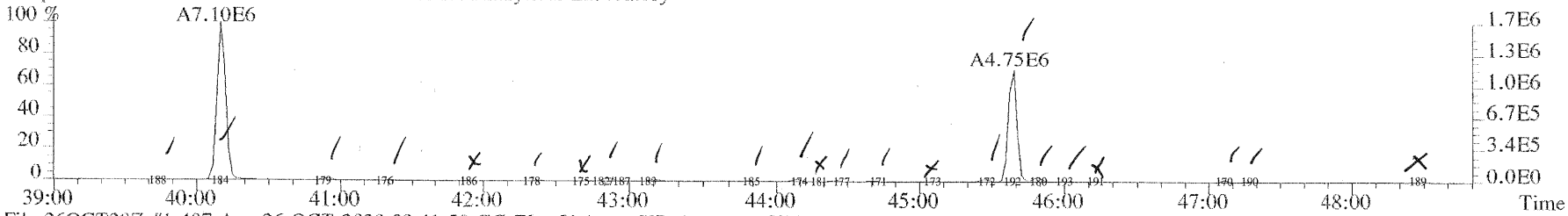

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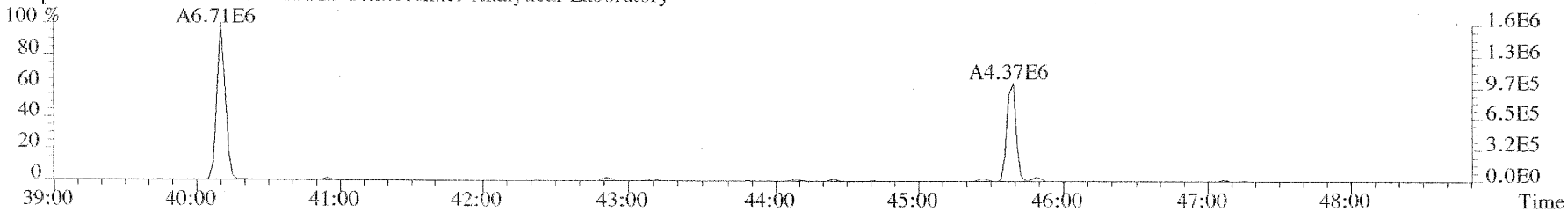
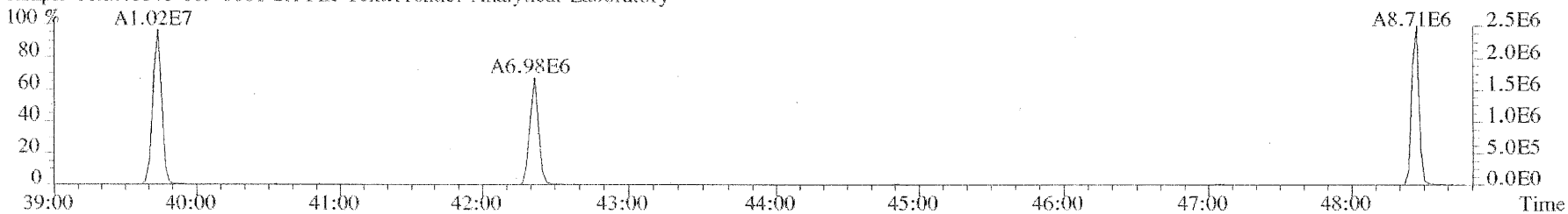
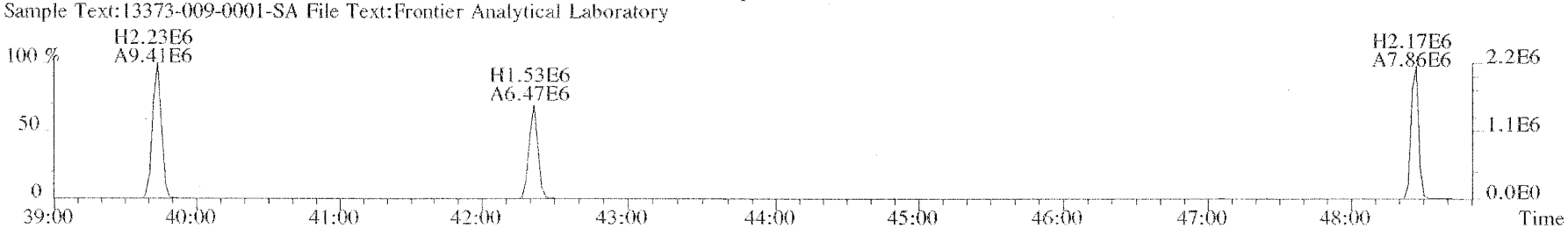
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



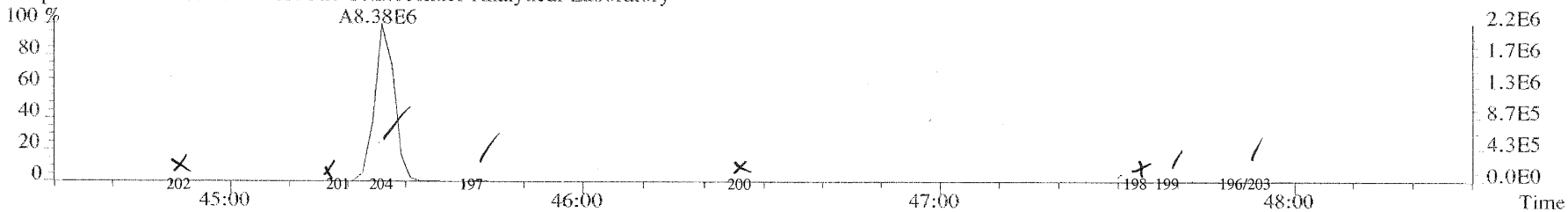
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



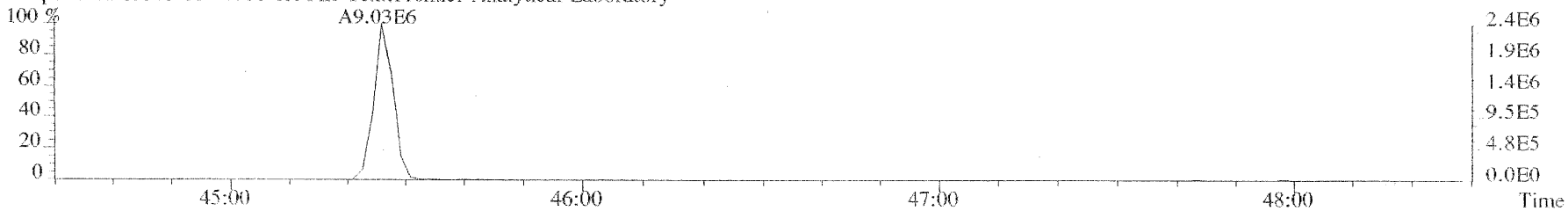
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



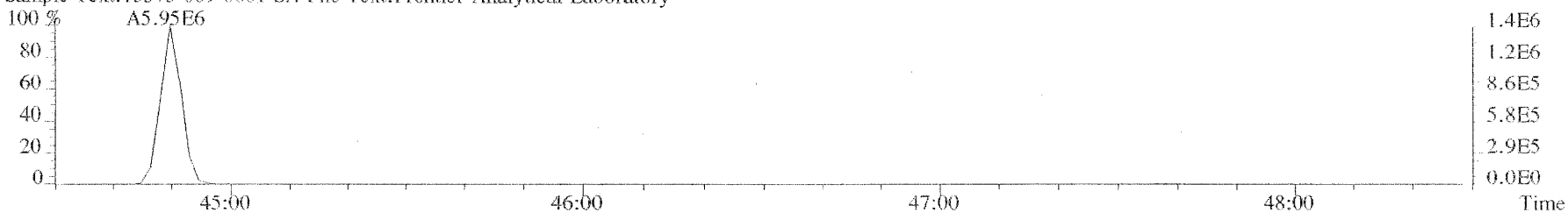
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



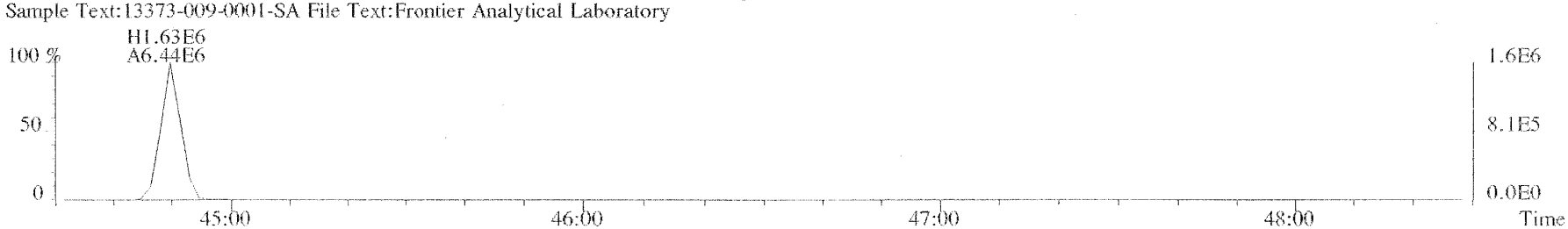
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



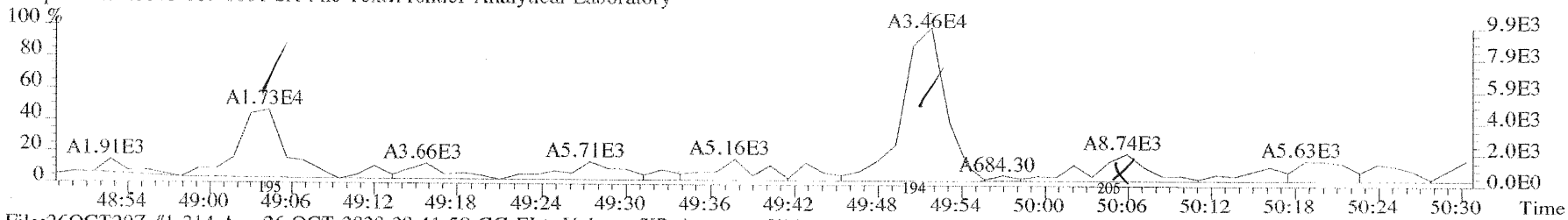
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



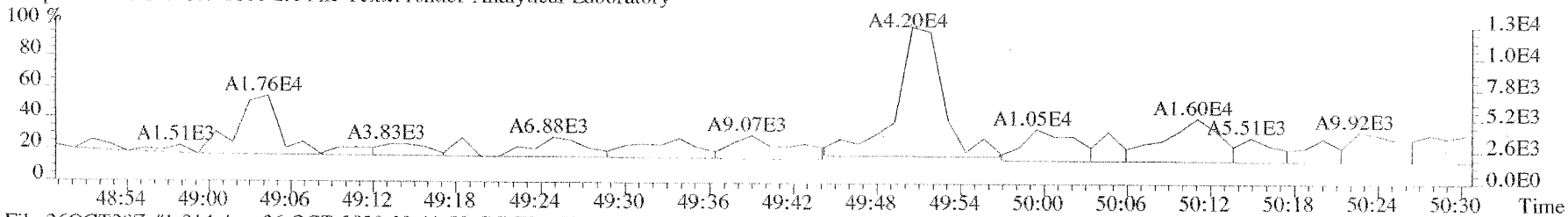
File:26OCT20Z #1-407 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



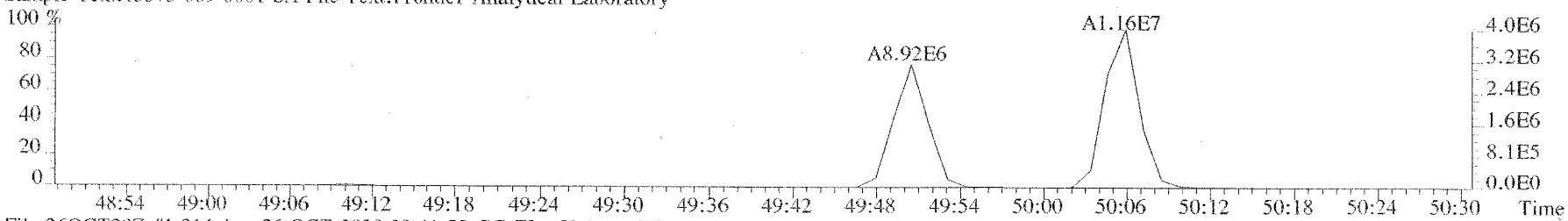
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



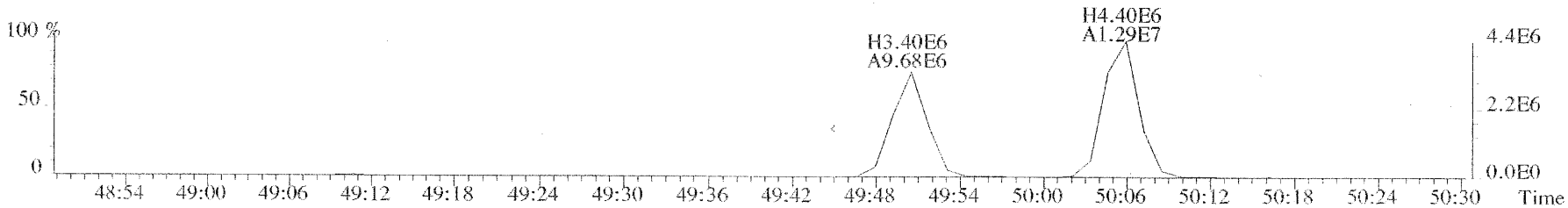
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



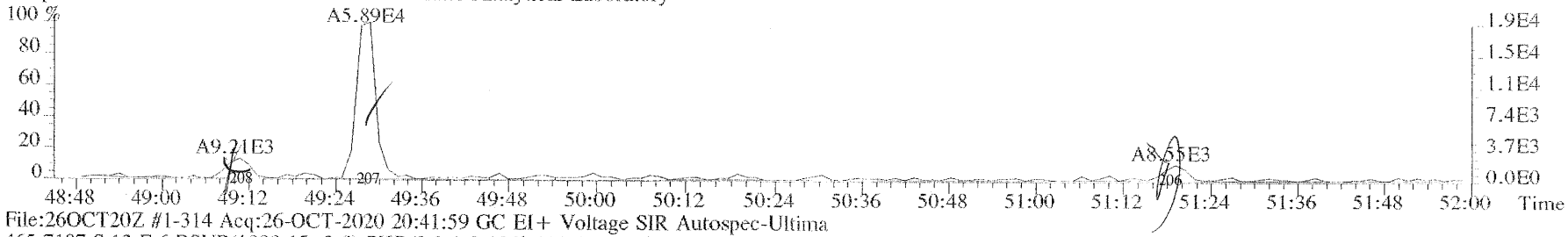
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



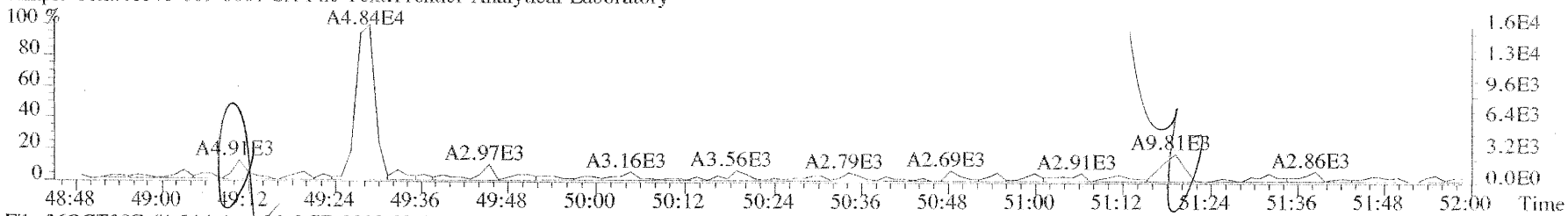
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



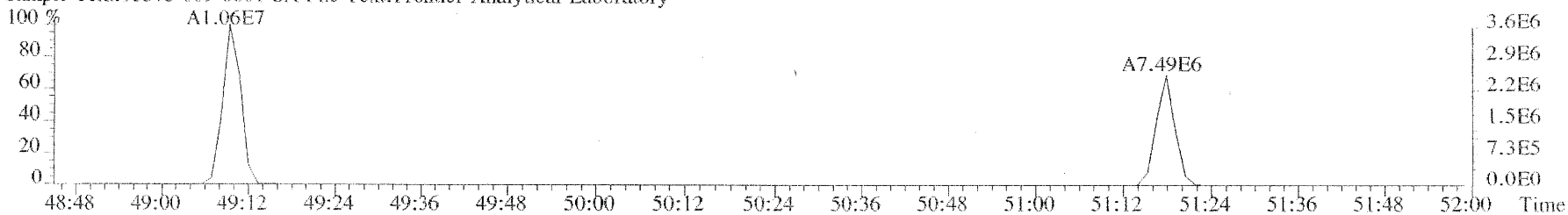
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



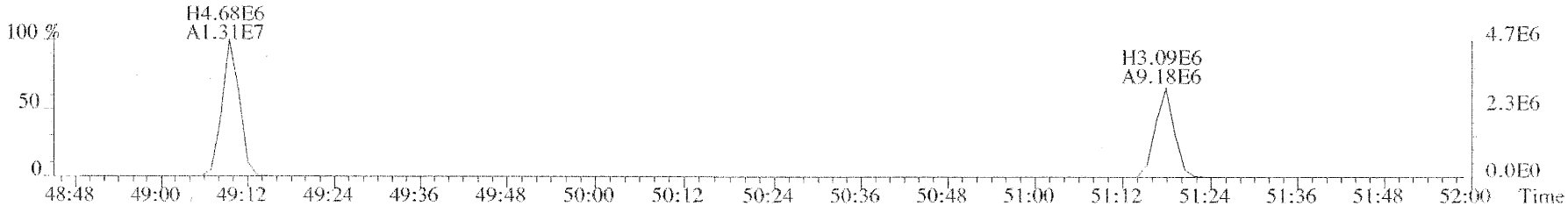
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



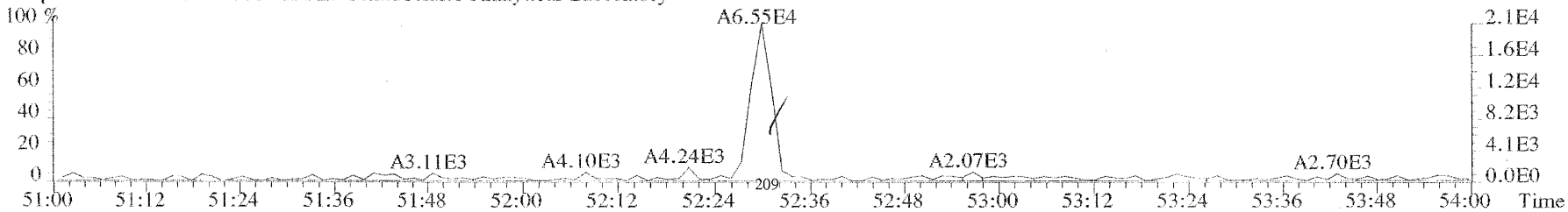
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



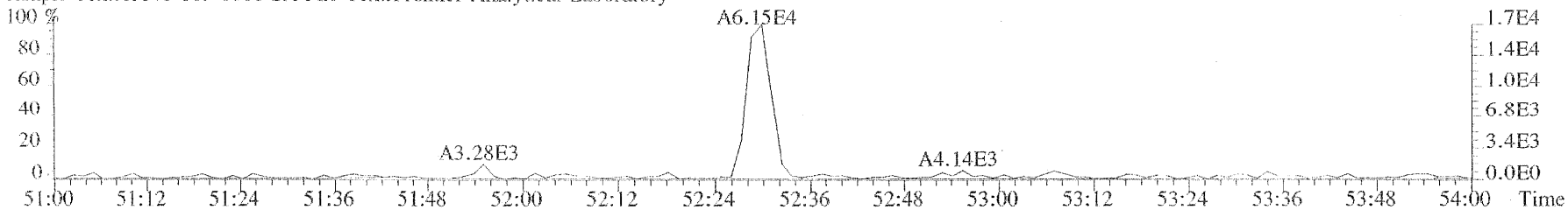
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



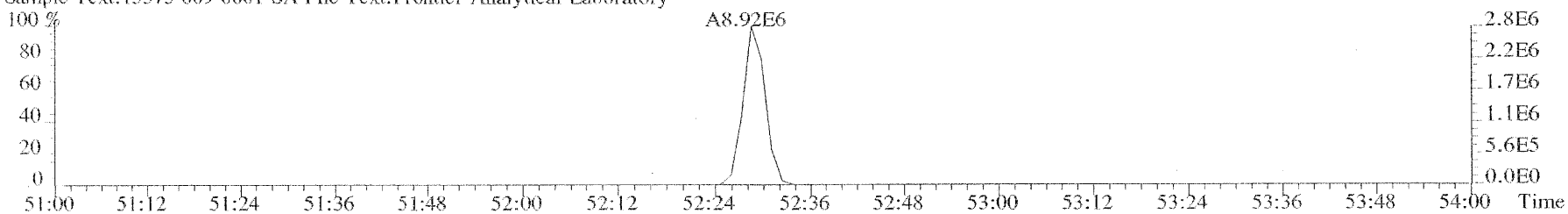
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



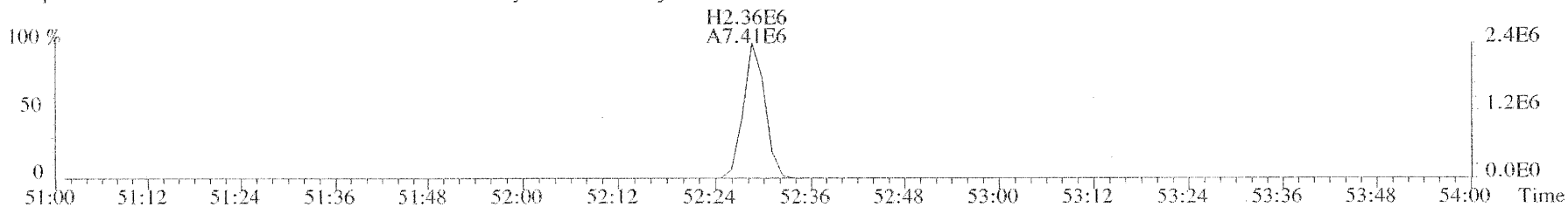
File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 20:41:59 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:13373-009-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-012-0001-SA Filename: 26OCT20Z Sam:13 Acquired: 26-OCT-20 21:40:20 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-S010-LCB ConCal: ST10262OZ1 EndCal: ST10262OZ2
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	*		1230	976	3.19			
13C-PCB-1	3.92e+07	3.25	y	14:33	0.83	9390					93.9	1.02e+07	3.13e+06
PCB-2	*	*	n	NotFnd	1.33	*		1230	976	3.35			
PCB-3	*	*	n	NotFnd	1.34	*		1230	976	3.58			
13C-PCB-3	3.84e+07	3.37	y	16:59	0.80	9510					95.1	8.82e+06	2.63e+06
PCB-4	*	*	n	NotFnd	1.01	*		840	4340	13.0			
PCB-10	*	*	n	NotFnd	1.43	*		840	4340	7.78			
13C-PCB-4	3.41e+07	1.59	y	18:12	0.64	10700					107	6.00e+06	3.83e+06
PCB-9	*	*	n	NotFnd	1.34	*		840	4340	8.32			
PCB-7	*	*	n	NotFnd	1.40	*		840	4340	7.93			
PCB-6	*	*	n	NotFnd	1.35	*		840	4340	8.26			
PCB-8	*	*	n	NotFnd	1.33	*		840	4340	8.38			
PCB-5	*	*	n	NotFnd	1.36	*		840	4340	8.20			
PCB-14	3.86e+06	1.38	y	21:58	1.37	643		-	-	*			
PCB-11	3.20e+05	1.47	y	23:06	1.34	54.5		-	-	*			
PCB-13	*	*	n	NotFnd	1.39	*		840	4340	8.02			
PCB-12	*	*	n	NotFnd	1.30	*		840	4340	8.58			
PCB-15	*	*	n	NotFnd	1.24	*		840	4340	7.93			
13C-PCB-15	5.37e+07	1.63	y	23:44	1.02	10400					104	8.12e+06	5.02e+06
PCB-19	*	*	n	NotFnd	1.31	*		2230	324	8.97			
PCB-30	*	*	n	NotFnd	2.00	*		2230	324	5.87			
PCB-18	*	*	n	NotFnd	1.36	*		2230	324	8.65			
PCB-17	*	*	n	NotFnd	1.48	*		2230	324	7.90			
PCB-27	*	*	n	NotFnd	1.93	*		2230	324	6.08			
PCB-24	*	*	n	NotFnd	1.97	*		2230	324	5.94			
PCB-16	*	*	n	NotFnd	1.66	*		2230	324	7.07			
PCB-32	*	*	n	NotFnd	1.65	*		2230	324	7.13			
13C-PCB-19	1.93e+07	1.13	y	22:06	0.40	9570					95.7	2.92e+06	2.53e+06
13C-PCB-9	5.03e+07	1.63	y	19:53	-	93.0							
PCB-34	*	*	n	NotFnd	1.16	*		987	704	5.33			
PCB-23	*	*	n	NotFnd	1.15	*		987	704	5.37			
PCB-29	*	*	n	NotFnd	1.19	*		987	704	5.15			
PCB-26	*	*	n	NotFnd	1.17	*		987	704	5.27			
PCB-25	*	*	n	NotFnd	1.14	*		987	704	5.40			
PCB-31	*	*	n	NotFnd	1.18	*		987	704	5.22			
PCB-28	*	*	n	NotFnd	1.34	*		987	704	4.58			
PCB-20	*	*	n	NotFnd	1.12	*		987	704	5.50		Co-elute PCB 21/33	
PCB-21	*	*	n	NotFnd	1.12	*		987	704	5.50		Co-elute PCB 20/33	
PCB-33	*	*	n	NotFnd	1.12	*		987	704	5.50		Co-elute PCB 20/21	
PCB-22	*	*	n	NotFnd	1.22	*		987	704	5.07			
PCB-36	3.20e+06	1.08	y	28:18	1.17	790		-	-	*			
PCB-39	*	*	n	NotFnd	1.22	*		987	704	5.05			
PCB-38	*	*	n	NotFnd	1.28	*		987	704	4.80			
PCB-35	*	*	n	NotFnd	1.22	*		987	704	5.05			
PCB-37	*	*	n	NotFnd	1.20	*		987	704	5.11			
13C-PCB-37	3.46e+07	1.05	y	30:22	1.83	8680					86.8	3.56e+06	3.31e+06

PCB-54	*	*	n	NotFnd	1.30	*		688	987	4.27			
PCB-50	*	*	n	NotFnd	1.04	*		688	987	5.36			
PCB-53	*	*	n	NotFnd	1.02	*		688	987	5.46			
PCB-51	*	*	n	NotFnd	1.08	*		688	987	5.15			
PCB-45	*	*	n	NotFnd	0.91	*		688	987	6.13			
PCB-46	*	*	n	NotFnd	0.89	*		688	987	6.26			
PCB-52	6.35e+04	0.66	y	28:59	1.15	19.3	J	-	-	*			Co-elute PCB 69
PCB-69	6.35e+04	0.66	y	28:59	1.15	19.3	J	-	-	*			Co-elute PCB 52
PCB-73	4.80e+04	0.82	y	29:05	1.28	13.2	J	-	-	*			
PCB-43	*	*	n	NotFnd	1.00	*		688	987	5.55			Co-elute PCB 49
PCB-49	*	*	n	NotFnd	1.00	*		688	987	5.55			Co-elute PCB 43
PCB-47	4.44e+04	0.70	y	29:29	1.03	15.1	J	-	-	*			
PCB-48	*	*	n	NotFnd	1.34	*		688	987	4.15			Co-elute PCB 75
PCB-75	*	*	n	NotFnd	1.34	*		688	987	4.15			Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.36	*		688	987	4.07			
PCB-62	*	*	n	NotFnd	1.35	*		688	987	4.11			
PCB-44	*	*	n	NotFnd	0.90	*		688	987	6.16			
PCB-42	*	*	n	NotFnd	1.12	*		688	987	4.94			Co-elute PCB 59
PCB-59	*	*	n	NotFnd	1.12	*		688	987	4.94			Co-elute PCB 42
PCB-72	*	*	n	NotFnd	1.26	*		688	987	4.42			Co-elute PCB 41/71/64
PCB-41	*	*	n	NotFnd	1.26	*		688	987	4.42			Co-elute PCB 72/71/64
PCB-71	*	*	n	NotFnd	1.26	*		688	987	4.42			Co-elute PCB 72/41/64
PCB-64	*	*	n	NotFnd	1.26	*		688	987	4.42			Co-elute PCB 72/41/71
PCB-68	*	*	n	NotFnd	1.47	*		688	987	3.78			
PCB-40	*	*	n	NotFnd	0.80	*		688	987	6.97			
PCB-57	*	*	n	NotFnd	1.38	*		688	987	4.02			
PCB-67	*	*	n	NotFnd	1.39	*		688	987	3.99			
PCB-58	*	*	n	NotFnd	1.37	*		688	987	4.05			
PCB-63	*	*	n	NotFnd	1.41	*		688	987	3.93			
PCB-74	*	*	n	NotFnd	1.38	*		688	987	4.02			
PCB-61	*	*	n	NotFnd	1.26	*		688	987	4.40			Co-elute PCB 70
PCB-70	*	*	n	NotFnd	1.26	*		688	987	4.40			Co-elute PCB 61
PCB-76	*	*	n	NotFnd	1.41	*		688	987	3.93			Co-elute PCB 66
PCB-66	*	*	n	NotFnd	1.41	*		688	987	3.93			Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.56	*		688	987	3.56			
PCB-55	1.26e+05	0.82	y	33:32	1.33	33.2		-	-	*			
13C-PCB-54	2.85e+07	0.82	y	25:38	1.12	11600					116	3.41e+06	4.13e+06
PCB-104	4.85e+06	1.56	y	30:05	1.20	2240		-	-	*			
PCB-96	*	*	n	NotFnd	1.15	*		408	512	4.57			
PCB-103	*	*	n	NotFnd	0.99	*		408	512	5.33			
PCB-100	*	*	n	NotFnd	0.97	*		408	512	5.41			
PCB-94	*	*	n	NotFnd	0.82	*		408	512	6.44			
PCB-98	*	*	n	NotFnd	0.81	*		408	512	6.50			Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.81	*		408	512	6.50			Co-elute PCB 98
PCB-95	*	*	n	NotFnd	0.88	*		408	512	5.96			
PCB-93	*	*	n	NotFnd	0.86	*		408	512	6.15			
PCB-88	*	*	n	NotFnd	0.86	*		408	512	6.09			Co-elute PCB 91
PCB-91	*	*	n	NotFnd	0.86	*		408	512	6.09			Co-elute PCB 88
PCB-121	7.08e+06	1.59	y	33:32	1.17	3350		-	-	*			
13C-PCB-104	1.81e+07	1.63	y	30:03	0.79	10400					104	2.69e+06	1.67e+06
13C-PCB-28	3.81e+07	1.02	y	26:41	2.03	8590					85.9	4.24e+06	4.09e+06
13C-PCB-52	2.18e+07	0.80	y	28:58	-	84.8							

PCB-56	*	*	n	NotFnd	1.15	*		1020	2130	8.56			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.15	*		1020	2130	8.56			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.25	*		1020	2130	7.88			
PCB-78	1.09e+07	0.82	y	35:39	1.20	2450		-	-	*			
PCB-81	*	*	n	NotFnd	1.29	*		1020	2130	7.27			
13C-PCB-81	3.67e+07	0.78	y	36:08	1.82	10800					108	3.67e+06	4.73e+06
PCB-77	*	*	n	NotFnd	1.13	*		1020	2130	9.10			
13C-PCB-77	3.70e+07	0.79	y	36:43	1.87	10600					106	3.35e+06	4.32e+06
PCB-155	7.73e+06	1.32	y	34:15	1.12	4170		-	-	*			
PCB-150	*	*	n	NotFnd	1.10	*		644	392	5.98			
PCB-152	*	*	n	NotFnd	1.06	*		644	392	6.22			
PCB-145	*	*	n	NotFnd	1.07	*		644	392	6.16			
PCB-136	*	*	n	NotFnd	1.08	*		644	392	6.10			
PCB-148	*	*	n	NotFnd	0.76	*		644	392	8.67			
PCB-154	*	*	n	NotFnd	0.93	*		644	392	7.10			
13C-PCB-155	1.66e+07	1.34	y	34:13	1.04	8580					85.8	2.28e+06	1.65e+06
13C-PCB-111	2.31e+07	1.62	y	36:17	1.29	9640					96.4	3.26e+06	2.02e+06
13C-PCB-101	1.87e+07	1.63	y	34:40	-	87.3							
PCB-84	*	*	n	NotFnd	0.66	*		704	760	7.77			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.66	*		704	760	7.77			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.67	*		704	760	7.65			
PCB-90	*	*	n	NotFnd	0.75	*		704	760	6.91			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.75	*		704	760	6.91			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.87	*		704	760	5.93			
PCB-99	*	*	n	NotFnd	0.83	*		704	760	6.25			
PCB-119	*	*	n	NotFnd	0.99	*		704	760	5.24			
PCB-83	*	*	n	NotFnd	0.78	*		704	760	6.59			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.78	*		704	760	6.59			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.93	*		704	760	5.56			
PCB-97	*	*	n	NotFnd	0.64	*		704	760	8.08			
PCB-86	*	*	n	NotFnd	0.56	*		704	760	9.21			
PCB-125	*	*	n	NotFnd	0.89	*		704	760	5.79			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.89	*		704	760	5.79			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.89	*		704	760	5.79			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.95	*		704	760	5.43			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.95	*		704	760	5.43			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.84	*		704	760	6.12			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.84	*		704	760	6.12			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.01	*		704	760	5.13			
PCB-110	3.01e+04	1.71	y	36:50	0.94	10.1	J	-	-	*			
PCB-82	*	*	n	NotFnd	0.57	*		704	760	9.10			
PCB-124	*	*	n	NotFnd	1.21	*		640	952	4.63			
PCB-108	*	*	n	NotFnd	1.16	*		640	952	4.83			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.16	*		640	952	4.83			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.11	*		640	952	5.63			
13C-PCB-123	3.09e+07	1.57	y	38:19	1.40	10900					109	3.90e+06	2.48e+06
PCB-118	*	*	n	NotFnd	1.14	*		640	952	4.66			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.14	*		640	952	4.66			Co-elute PCB 118
13C-PCB-118	3.32e+07	1.65	y	38:31	1.51	10900					109	4.67e+06	2.81e+06
PCB-114	*	*	n	NotFnd	1.24	*		640	952	4.28			
13C-PCB-114	3.22e+07	1.63	y	39:07	1.49	10700					107	4.66e+06	2.83e+06
PCB-122	*	*	n	NotFnd	1.16	*		640	952	4.86			
PCB-105	*	*	n	NotFnd	1.22	*		640	952	4.58			
13C-PCB-105	3.06e+07	1.61	y	39:57	1.49	10200					102	4.43e+06	2.70e+06

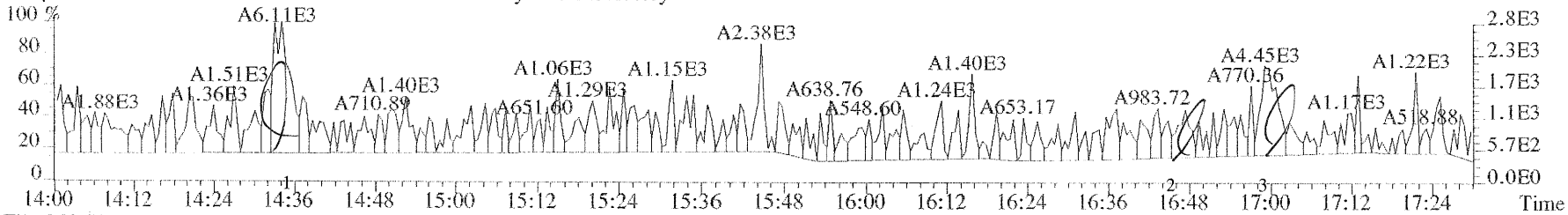
PCB-127	*	*	n	NotFnd	1.17	*		640	952	4.82				
PCB-126	*	*	n	NotFnd	1.19	*		640	952	5.40				
13C-PCB-126	2.84e+07	1.60	y	42:03	1.42	9840					98.4	3.80e+06	2.38e+06	
PCB-151	*	*	n	NotFnd	0.93	*		924	580	7.13				
PCB-135	*	*	n	NotFnd	0.95	*		924	580	6.97				
PCB-144	*	*	n	NotFnd	0.93	*		924	580	7.13				
PCB-147	*	*	n	NotFnd	0.96	*		924	580	6.85				
PCB-139	*	*	n	NotFnd	0.98	*		924	580	6.73		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	0.98	*		924	580	6.73		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	0.97	*		924	580	6.80				
PCB-143	*	*	n	NotFnd	0.81	*		924	580	8.18		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.81	*		924	580	8.18		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	0.83	*		924	580	7.99		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	0.83	*		924	580	7.99		Co-elute PCB 131		
PCB-142	1.44e+06	1.24	y	39:30	0.83	724		-	-	*				
PCB-165	3.76e+04	1.31	y	39:42	1.12	14.0	J	-	-	*		Co-elute PCB 146		
PCB-146	3.76e+04	1.31	y	39:42	1.12	14.0	J	-	-	*		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.04	*		924	580	6.35		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.04	*		924	580	6.35		Co-elute PCB 161		
PCB-153	1.62e+05	1.14	y	40:10	1.08	62.7		-	-	*				
PCB-168	*	*	n	NotFnd	1.19	*		924	580	5.55				
PCB-141	*	*	n	NotFnd	0.94	*		924	580	7.01				
PCB-137	*	*	n	NotFnd	0.98	*		924	580	6.73				
PCB-130	*	*	n	NotFnd	0.76	*		924	580	8.71				
PCB-138	*	*	n	NotFnd	1.11	*		924	580	5.95		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.11	*		924	580	5.95		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.11	*		924	580	5.95		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.25	*		924	580	5.27		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.25	*		924	580	5.27		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.78	*		924	580	8.43				
PCB-166	*	*	n	NotFnd	1.22	*		924	580	5.41				
PCB-159	*	*	n	NotFnd	1.31	*		924	580	5.04				
PCB-128	*	*	n	NotFnd	1.04	*		924	580	6.37		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.04	*		924	580	6.37		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.20	*		924	580	5.32				
13C-PCB-167	2.51e+07	1.29	y	43:26	1.18	10500					105	3.32e+06	2.57e+06	
PCB-156	*	*	n	NotFnd	1.29	*		924	580	5.63				
13C-PCB-156	2.33e+07	1.30	y	44:40	1.15	10000					100.0	2.96e+06	2.24e+06	
PCB-157	*	*	n	NotFnd	1.21	*		924	580	5.49				
13C-PCB-157	2.43e+07	1.29	y	44:54	1.17	10200					102	3.20e+06	2.46e+06	
PCB-169	*	*	n	NotFnd	1.17	*		924	580	5.26				
13C-PCB-169	2.31e+07	1.28	y	46:46	1.18	9700					97.0	3.46e+06	2.66e+06	

FAL ID: 13373-012-0001-SA Filename: 26OCT20Z Sam:13 Acquired: 26-OCT-20 21:40:20 ICal: DAILY209FAL4-10-26-20
Client ID: LDW-Y3-SU-S010-LCB ConCal: ST10262021 EndCal: ST10262022
Results: 13373-4 GC Column: DB1MS Amount: 1.000

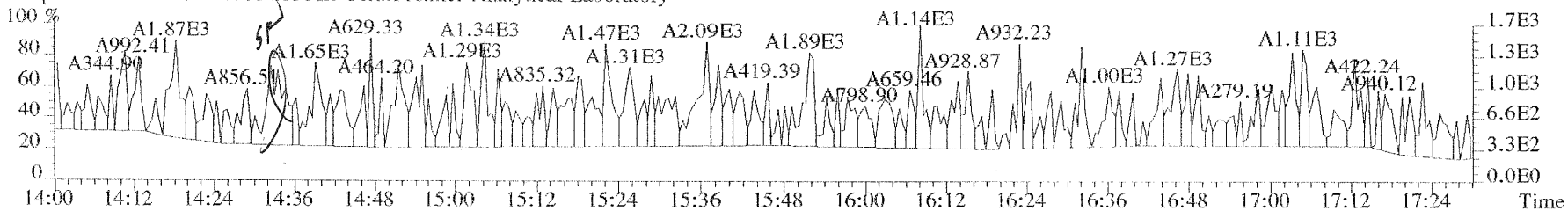
PCB-188	*	*	n	NotFnd	1.16	*	590	412	4.80			
13C-PCB-188	1.92e+07	1.08	y	39:43	0.93	10300				103	2.35e+06	2.16e+06
PCB-184	1.00e+07	1.04	y	40:10	1.25	4570	-	-	*			
PCB-179	*	*	n	NotFnd	1.20	*	590	412	4.81			
PCB-176	*	*	n	NotFnd	1.15	*	590	412	5.01			
PCB-186	*	*	n	NotFnd	1.18	*	590	412	4.88			
PCB-178	*	*	n	NotFnd	0.85	*	590	412	6.78			
PCB-175	*	*	n	NotFnd	0.90	*	590	412	6.45			
PCB-187	*	*	n	NotFnd	0.95	*	590	412	6.07		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	0.95	*	590	412	6.07		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	0.94	*	590	412	6.12			
PCB-185	*	*	n	NotFnd	0.88	*	590	412	6.55			
PCB-174	*	*	n	NotFnd	0.87	*	590	412	6.66			
PCB-181	*	*	n	NotFnd	0.89	*	590	412	6.46			
PCB-177	*	*	n	NotFnd	0.82	*	590	412	7.05			
PCB-171	*	*	n	NotFnd	0.87	*	590	412	6.64			
PCB-173	*	*	n	NotFnd	0.80	*	590	412	7.18			
PCB-172	*	*	n	NotFnd	0.83	*	590	412	6.94			
PCB-192	7.33e+06	1.07	y	45:39	1.09	3830	-	-	*			
PCB-180	*	*	n	NotFnd	0.85	*	590	412	6.82			
PCB-193	*	*	n	NotFnd	1.17	*	590	412	4.91			
PCB-191	*	*	n	NotFnd	1.14	*	590	412	5.07			
PCB-170	*	*	n	NotFnd	0.85	*	590	412	6.80			
PCB-190	*	*	n	NotFnd	1.13	*	590	412	5.09			
PCB-189	*	*	n	NotFnd	1.16	*	590	412	5.19			
13C-PCB-189	1.59e+07	1.10	y	48:27	0.88	8910				89.1	2.21e+06	1.95e+06
PCB-202	*	*	n	NotFnd	1.08	*	356	380	6.44			
PCB-201	*	*	n	NotFnd	1.18	*	356	380	5.88			
PCB-204	1.42e+07	0.94	y	45:26	1.18	10800	-	-	*			
PCB-197	8.44e+04	0.87	y	45:42	1.23	61.8	-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*	356	380	5.74			
PCB-198	*	*	n	NotFnd	0.88	*	356	380	7.94			
PCB-199	*	*	n	NotFnd	0.90	*	356	380	7.73			
PCB-203	*	*	n	NotFnd	0.96	*	356	380	7.21		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.96	*	356	380	7.21		Co-elute PCB 203	
13C-PCB-202	1.11e+07	0.94	y	44:50	0.68	8080				80.8	1.28e+06	1.37e+06
13C-PCB-178	1.31e+07	1.10	y	42:21	0.71	9150				91.5	1.55e+06	1.42e+06
13C-PCB-138	2.02e+07	1.28	y	41:34	-	87.2						
PCB-195	*	*	n	NotFnd	0.85	*	1040	1490	9.46			
PCB-194	*	*	n	NotFnd	0.96	*	1040	1490	8.36			
PCB-205	*	*	n	NotFnd	1.14	*	1040	1490	7.02			
13C-PCB-205	2.47e+07	0.89	y	50:06	1.22	11200				112	3.77e+06	4.11e+06
PCB-208	*	*	n	NotFnd	1.12	*	484	488	2.55			
13C-PCB-208	2.39e+07	0.81	y	49:09	1.00	13200				132	3.76e+06	4.78e+06
PCB-207	9.42e+04	1.24	y	49:27	1.24	37.1	-	-	*			
PCB-206	*	*	n	NotFnd	1.15	*	484	488	3.86			
13C-PCB-206	1.71e+07	0.81	y	51:18	0.77	12300				123	2.50e+06	2.98e+06
PCB-209	9.33e+04	0.99	y	52:30	1.24	46.0	-	-	*			
13C-PCB-209	1.64e+07	1.21	y	52:28	0.79	11500				115	2.87e+06	2.36e+06
13C-PCB-194	1.81e+07	0.91	y	49:50	-	73.8						

Analyst: _____ Date: 10/30/20

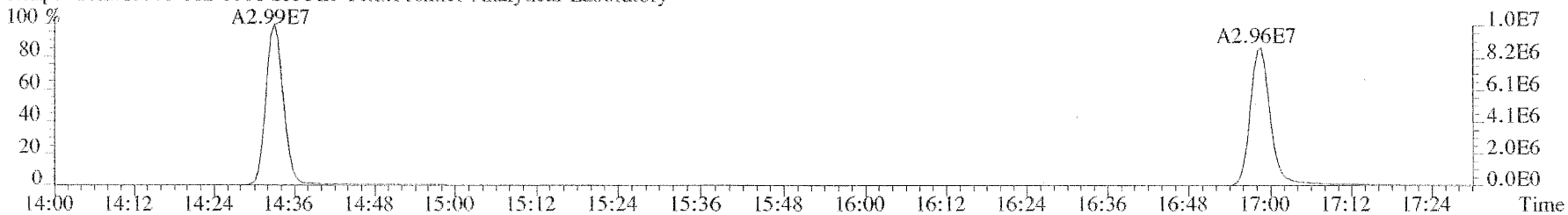
File:26OCT20Z #1-784 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



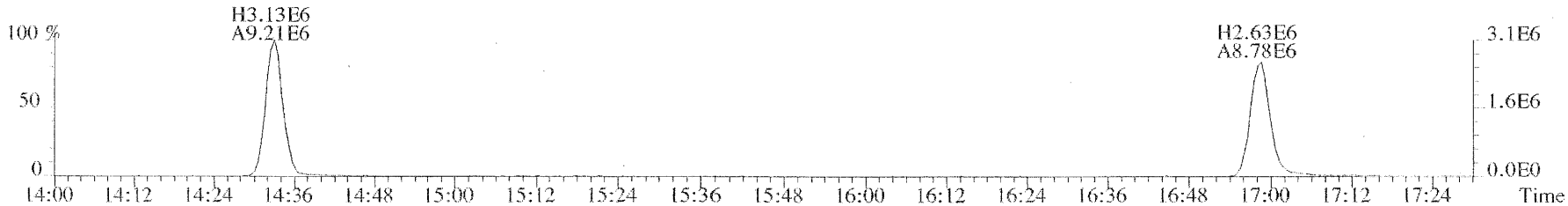
File:26OCT20Z #1-784 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



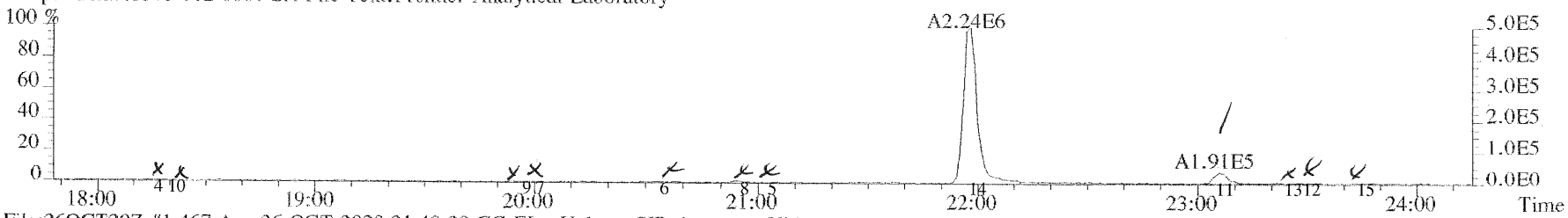
File:26OCT20Z #1-784 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



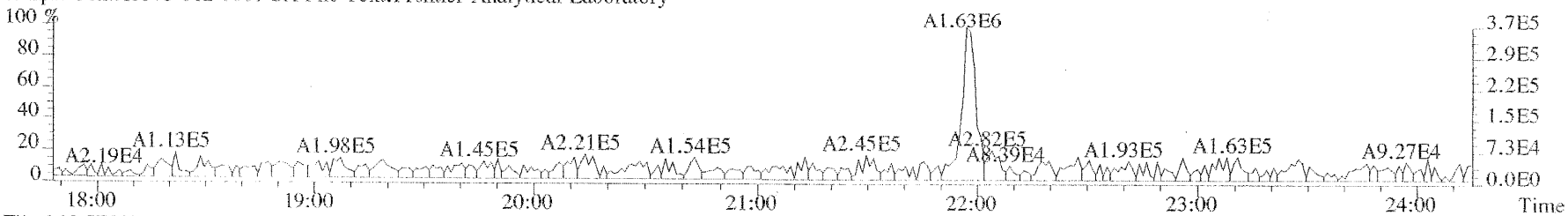
File:26OCT20Z #1-784 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



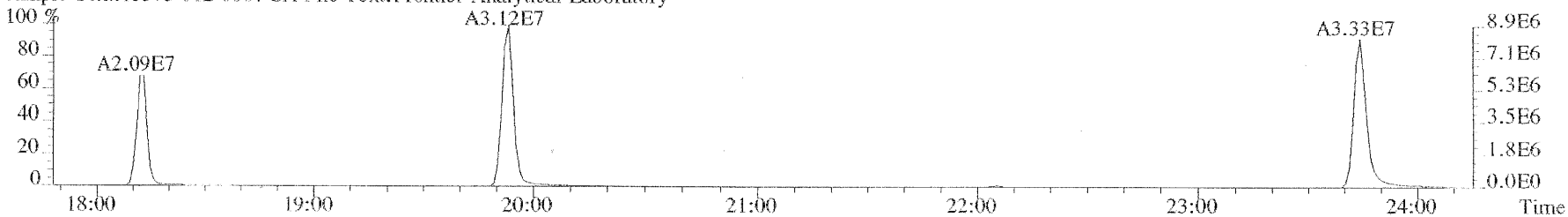
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



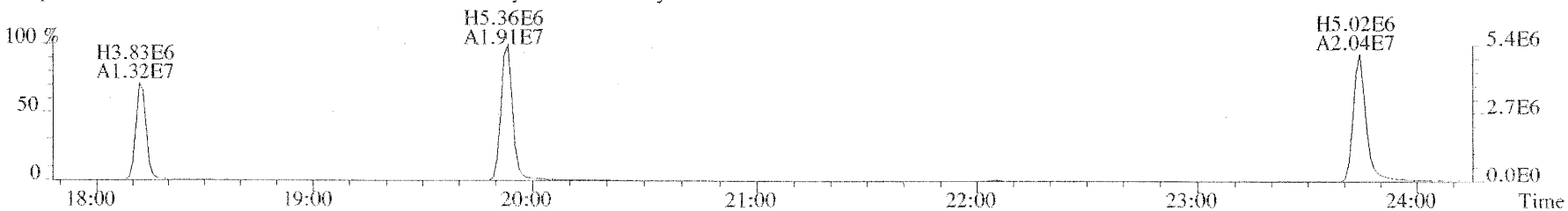
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



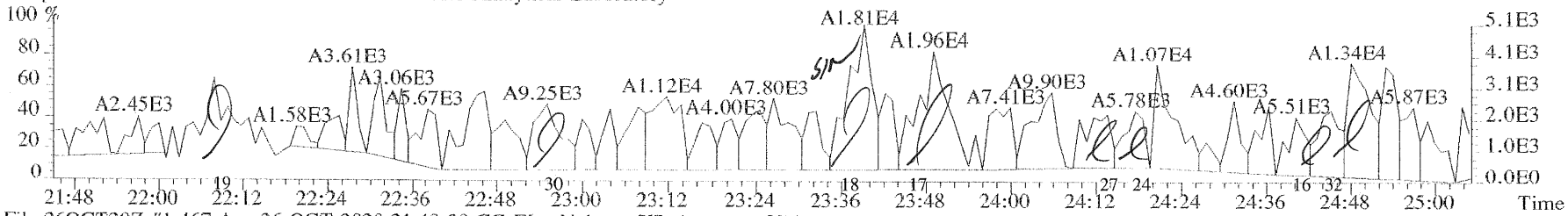
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



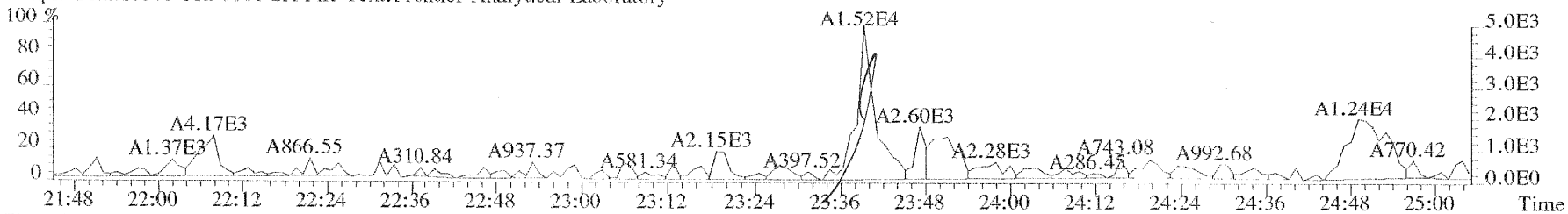
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



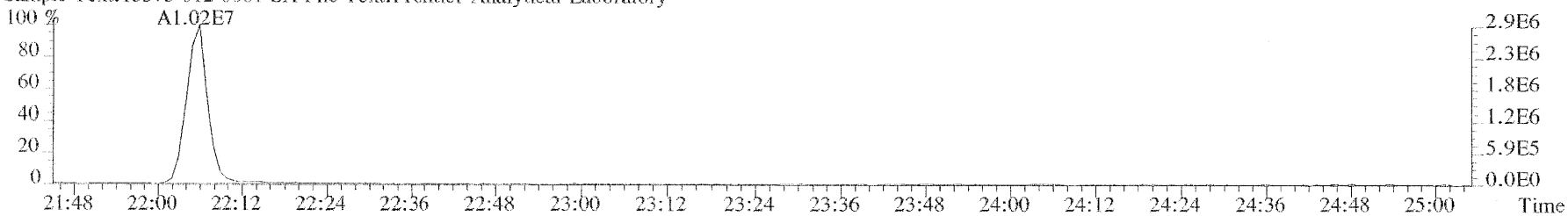
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



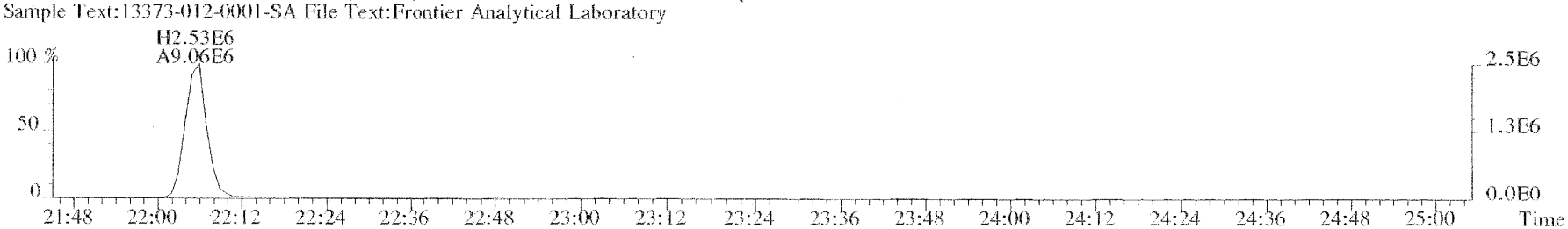
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



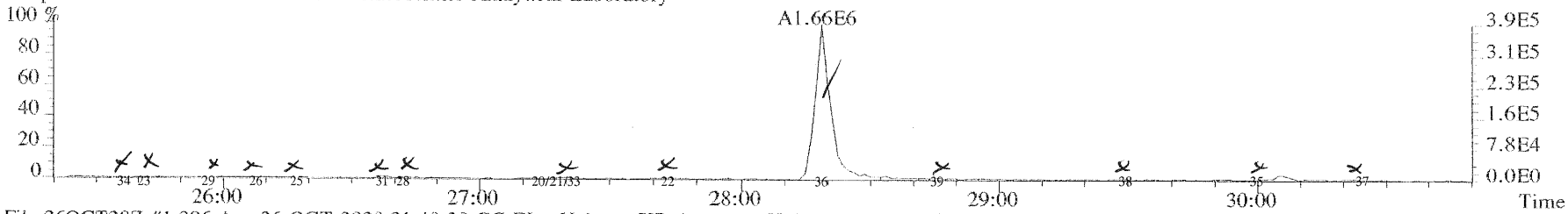
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



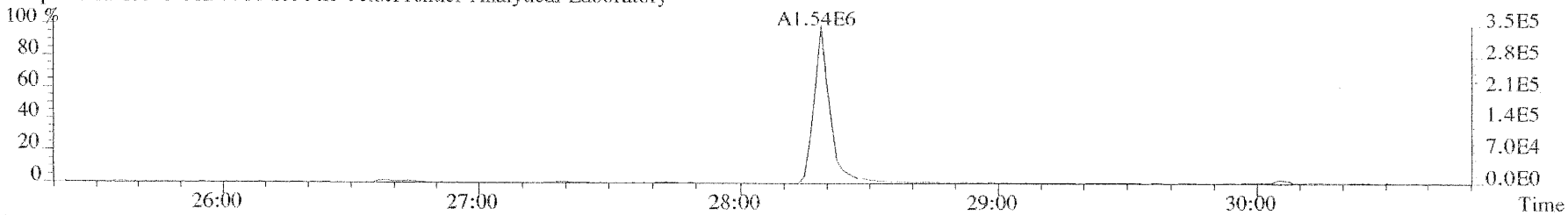
File:26OCT20Z #1-467 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



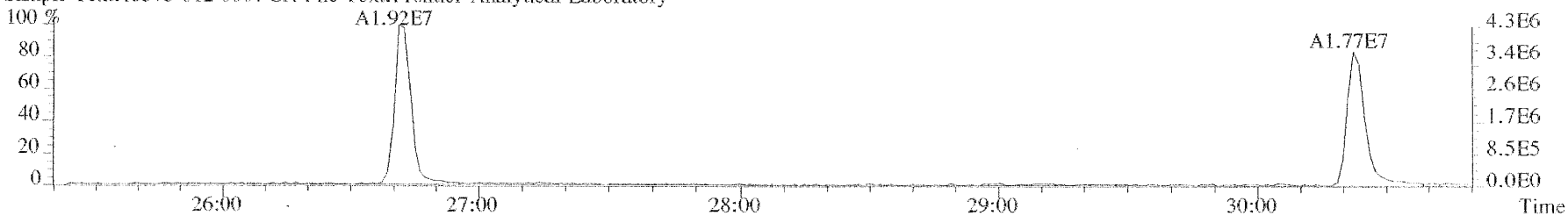
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 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:13373-012-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 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:13373-012-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
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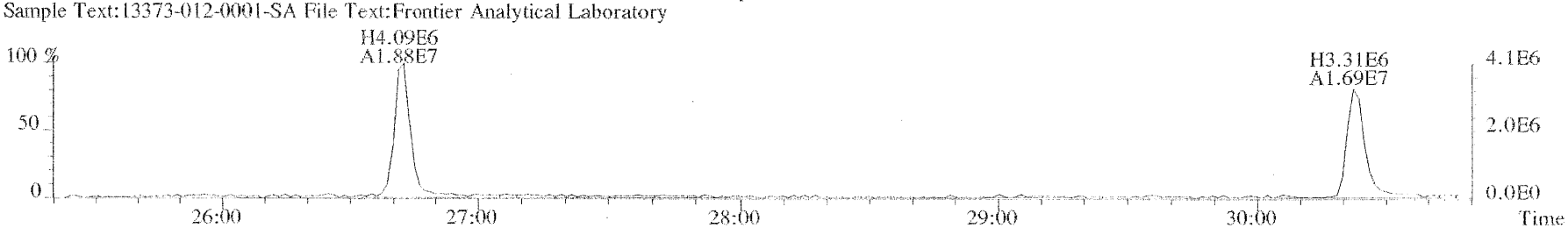
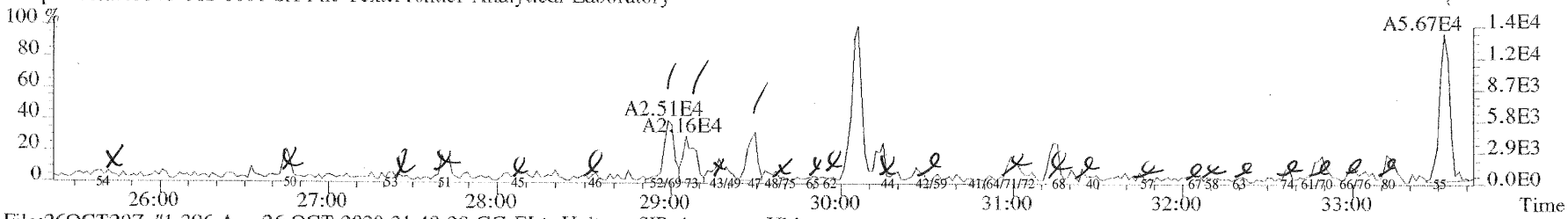
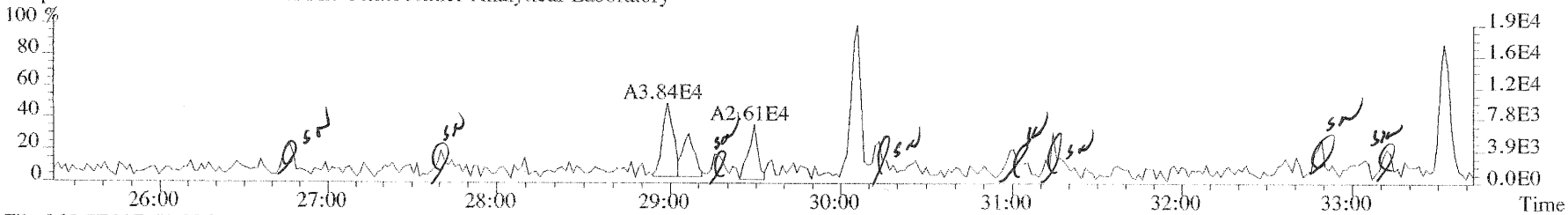
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



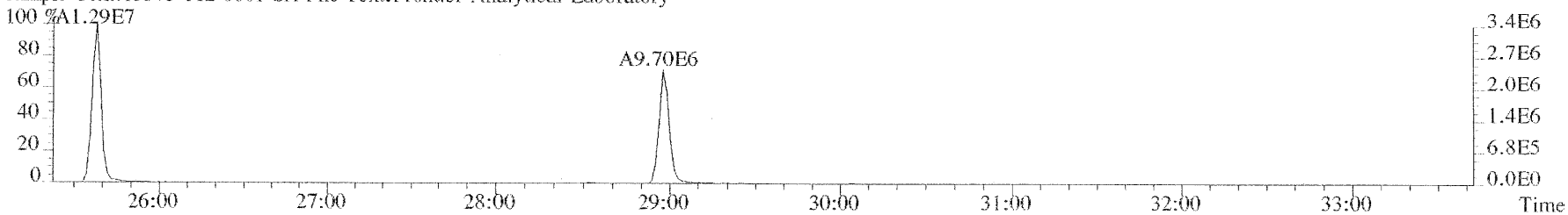
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



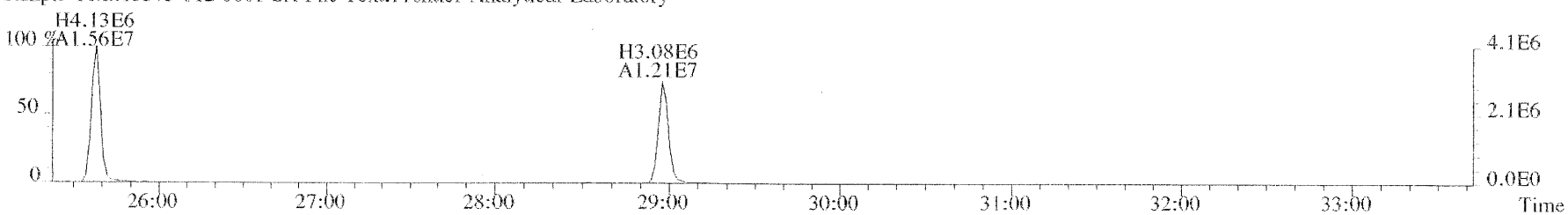
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



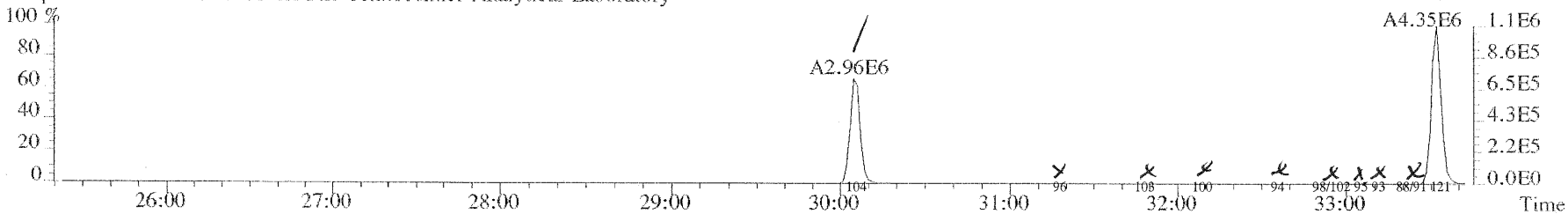
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



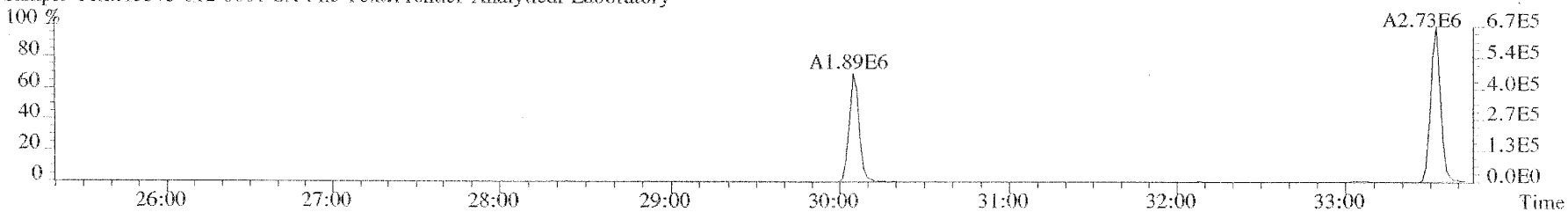
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



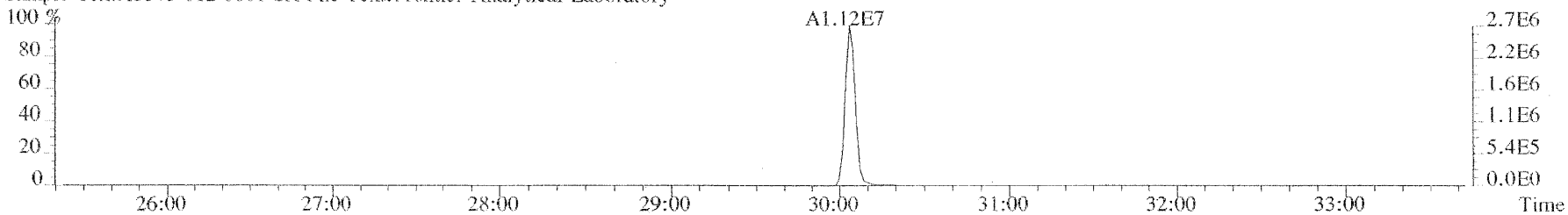
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



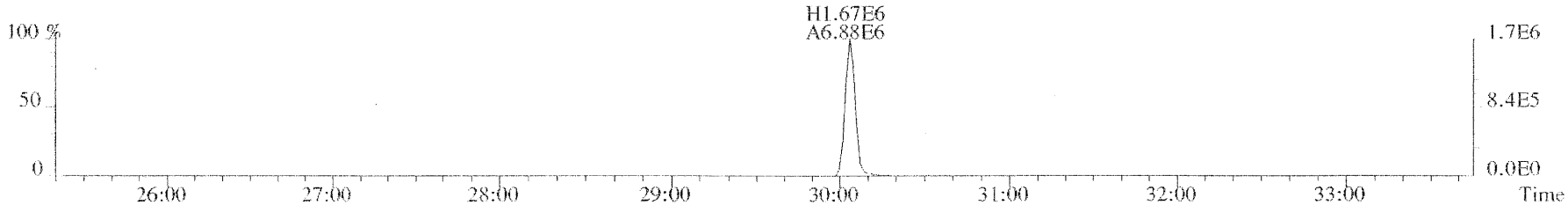
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



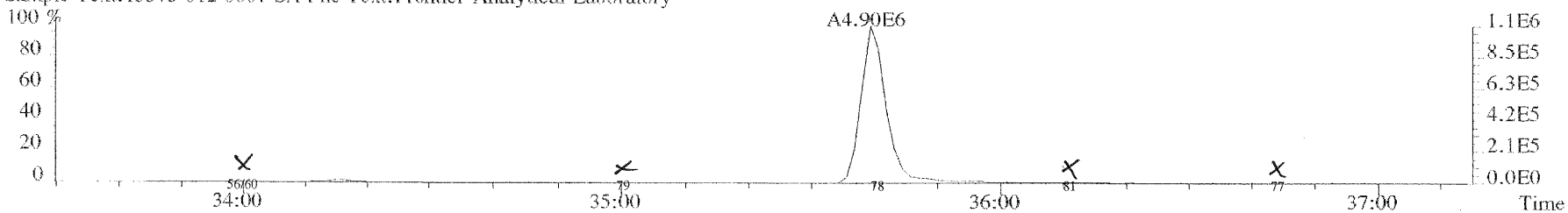
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



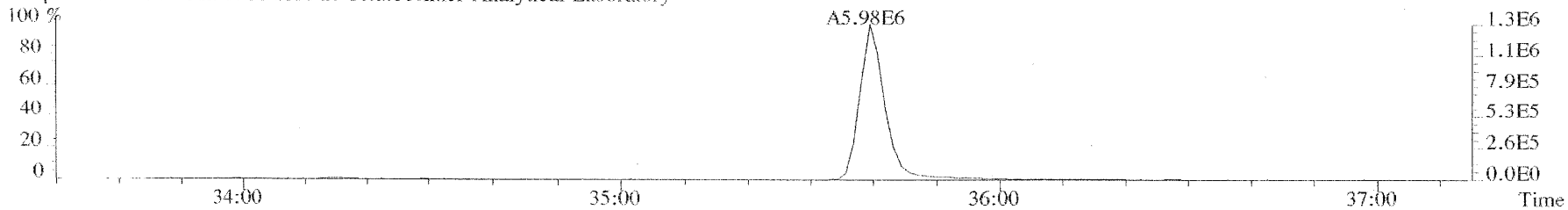
File:26OCT20Z #1-396 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



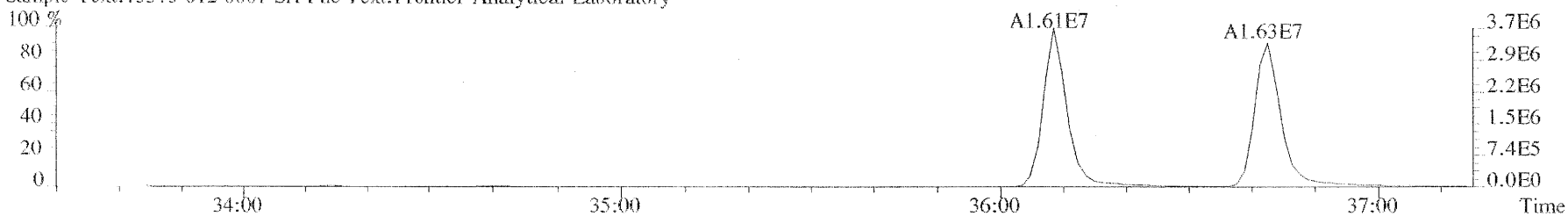
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



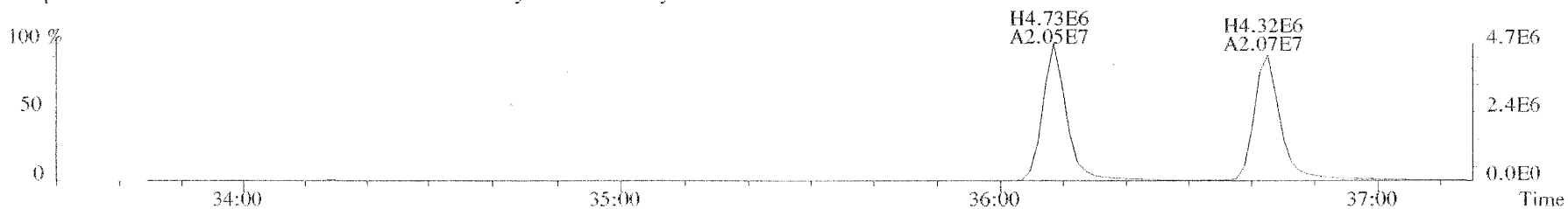
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



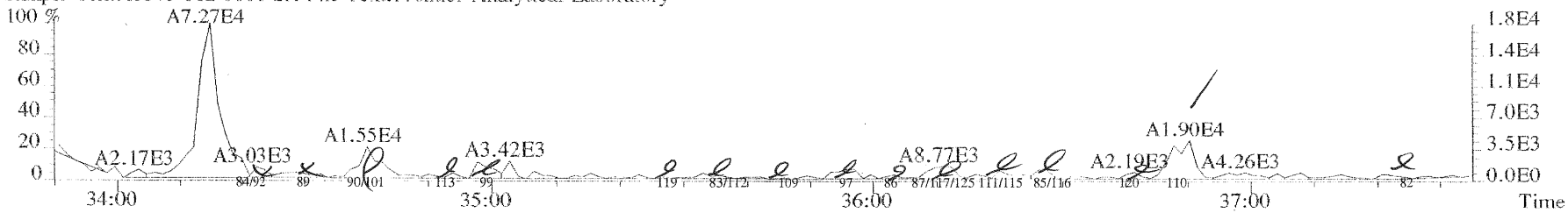
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



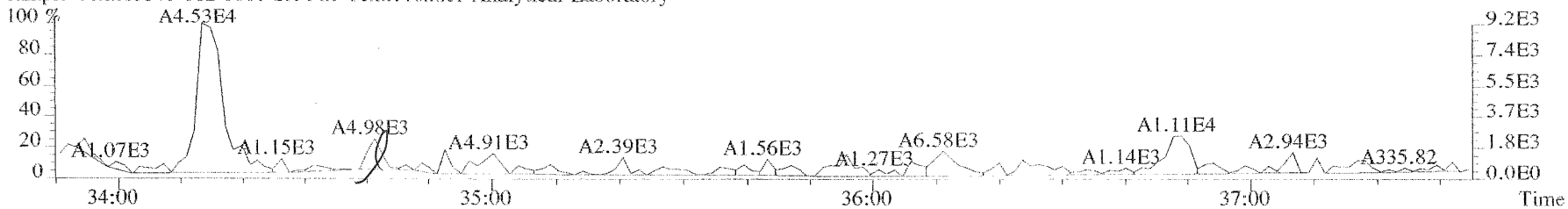
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



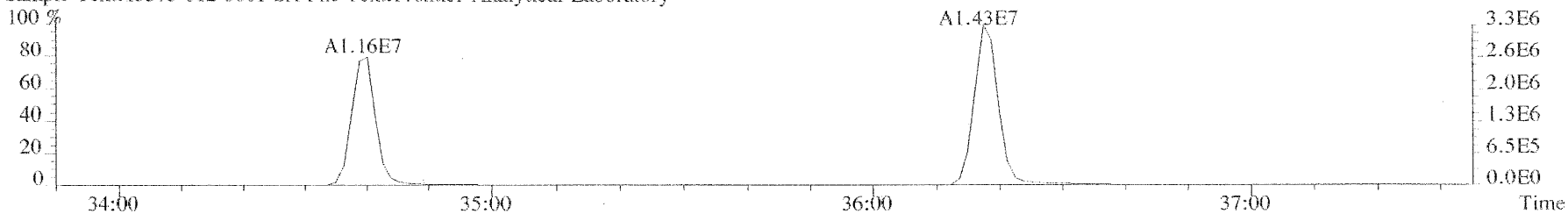
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



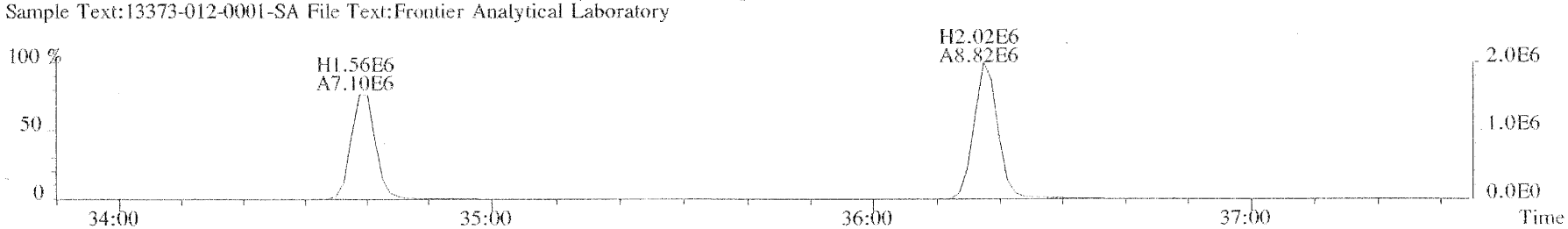
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



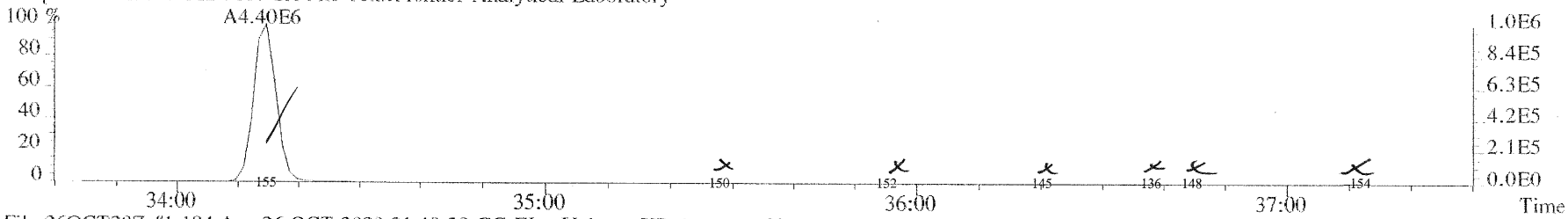
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



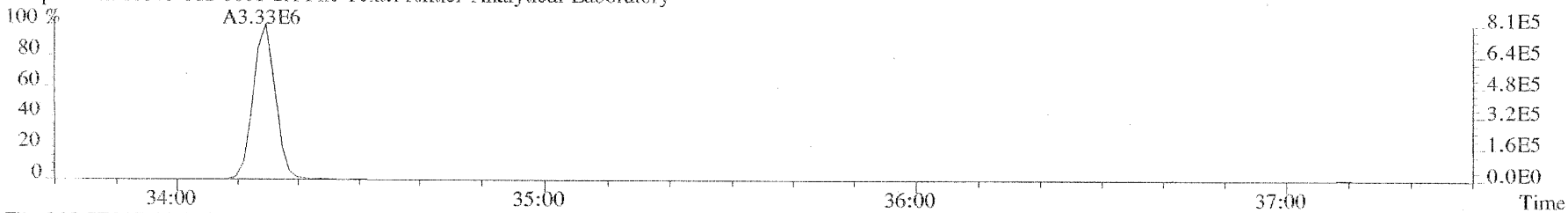
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



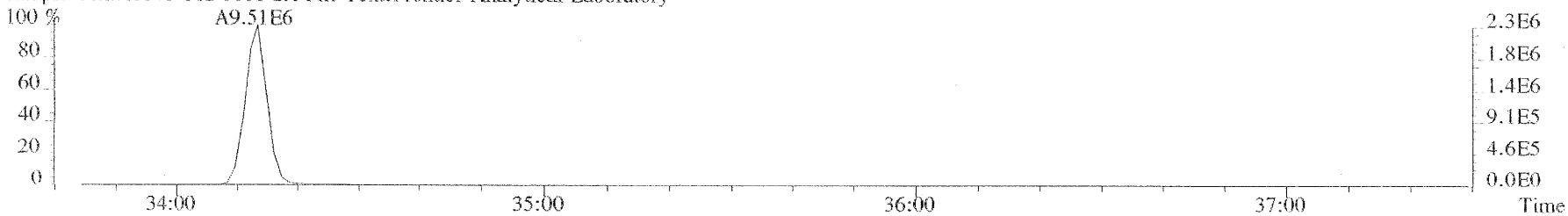
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



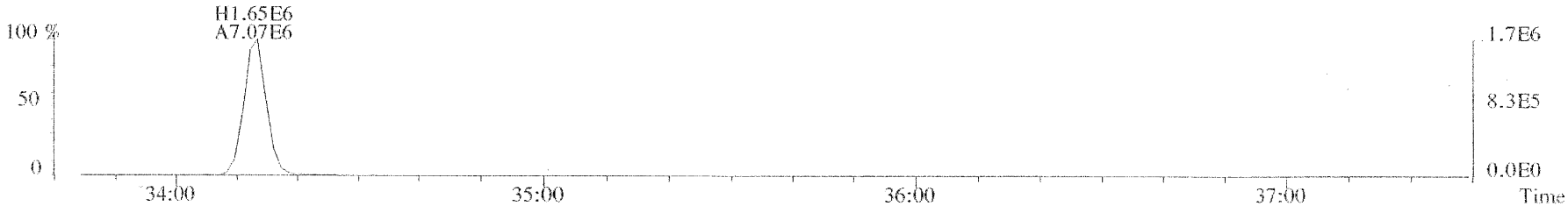
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



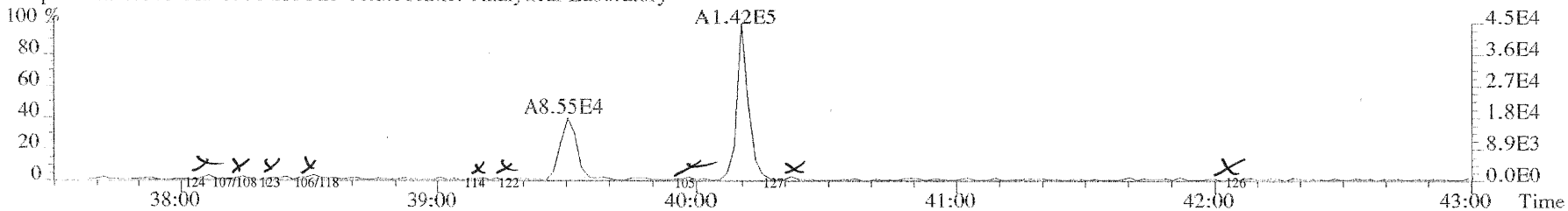
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



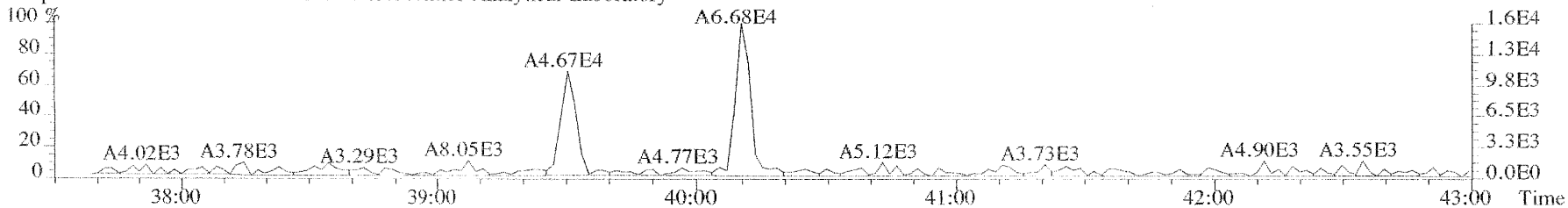
File:26OCT20Z #1-184 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



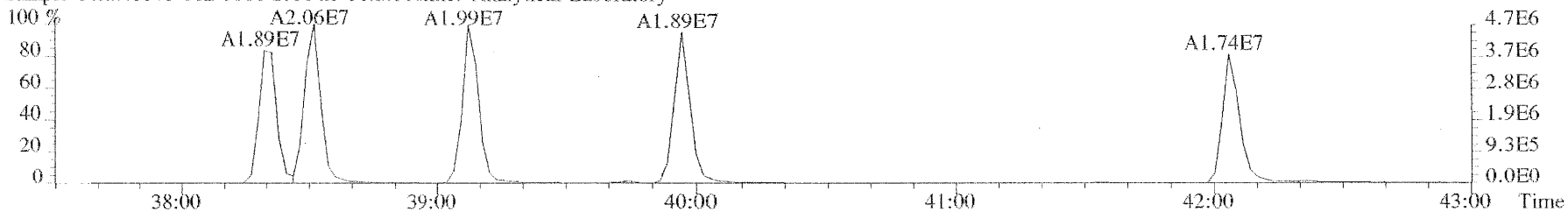
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



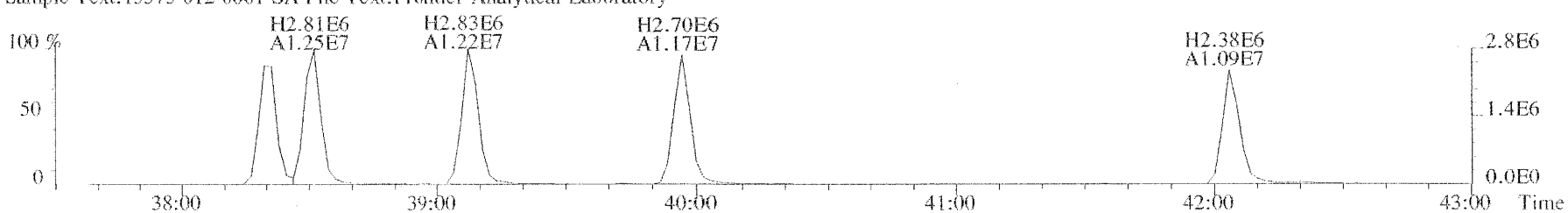
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



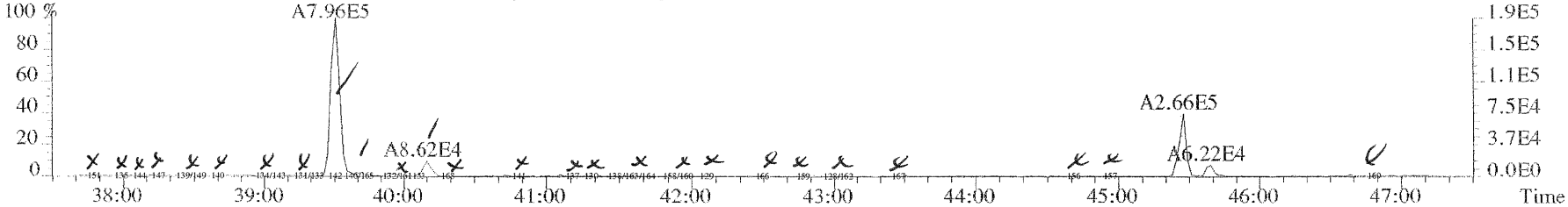
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



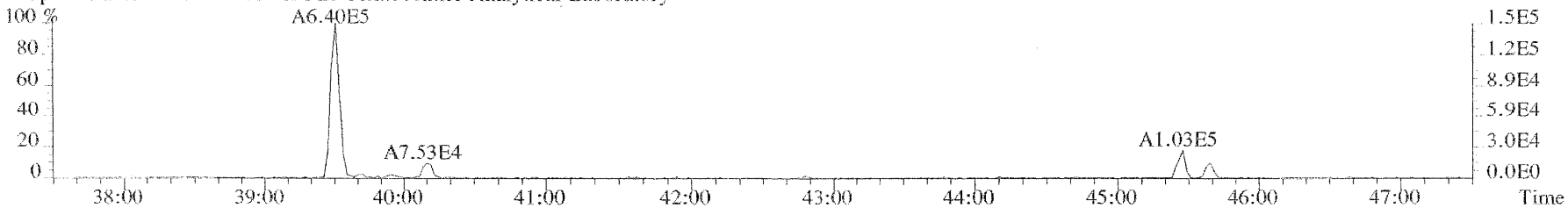
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



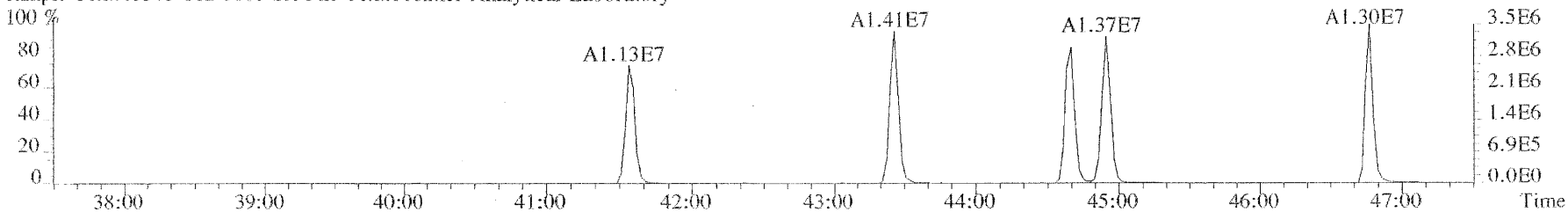
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



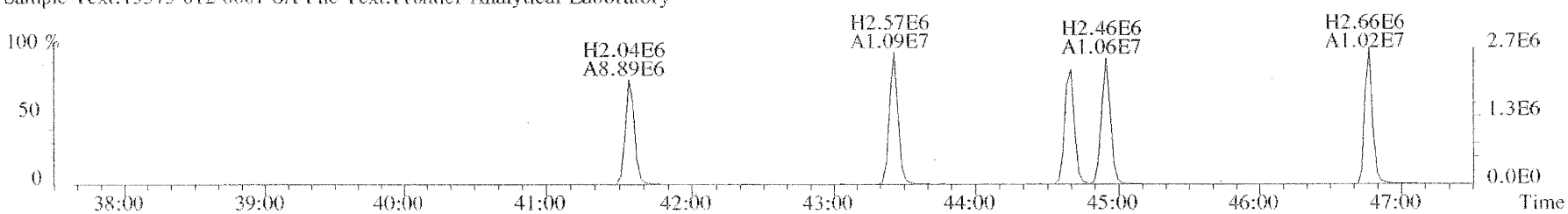
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



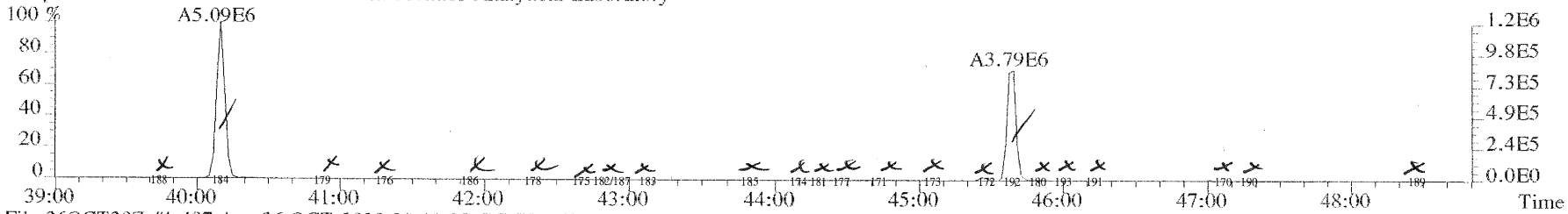
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



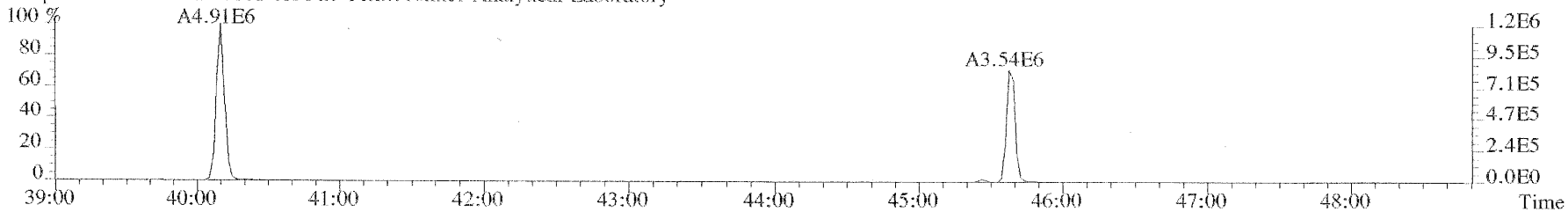
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



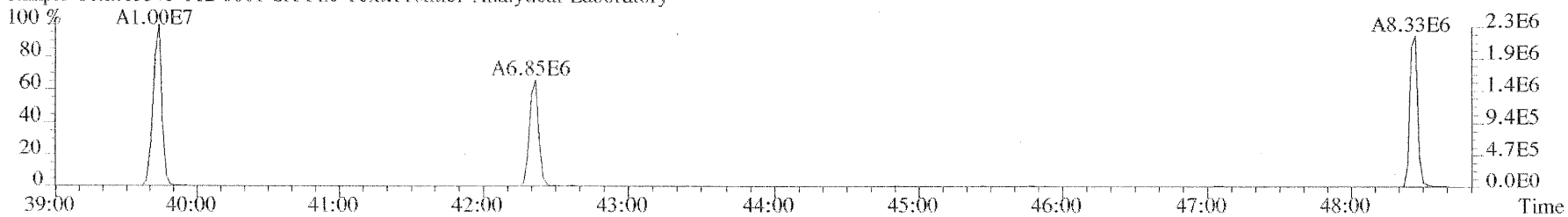
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



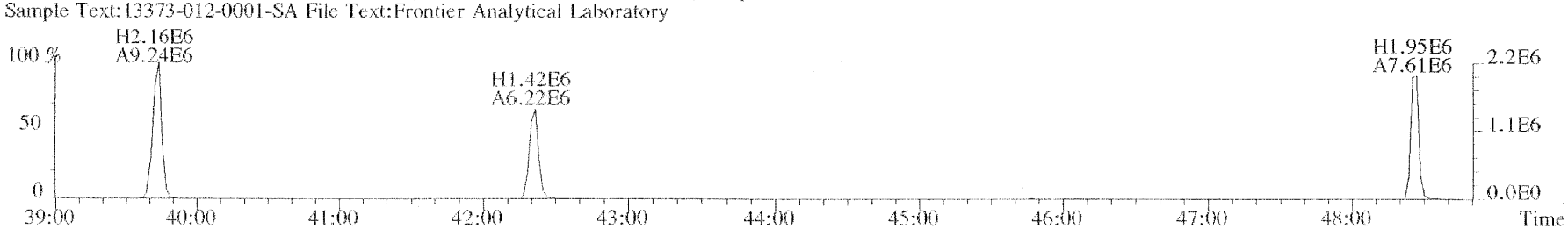
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



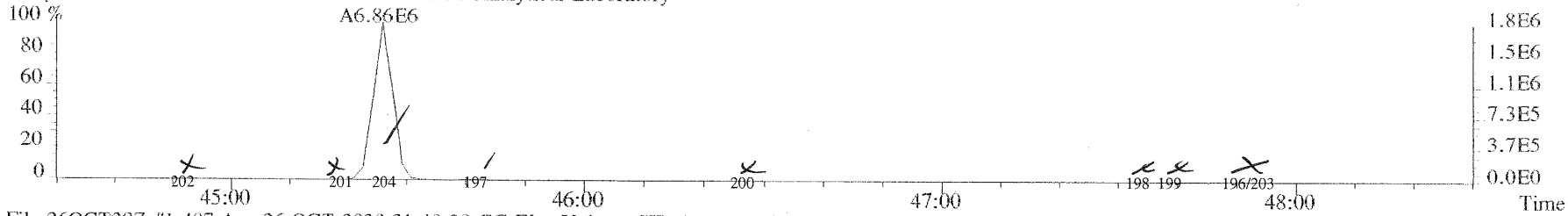
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



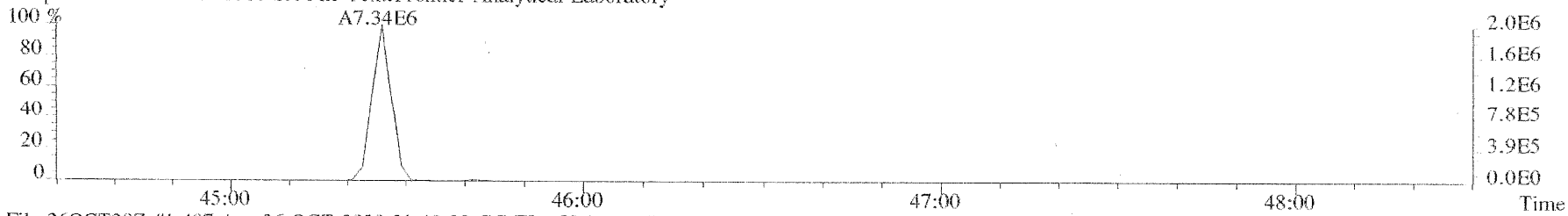
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



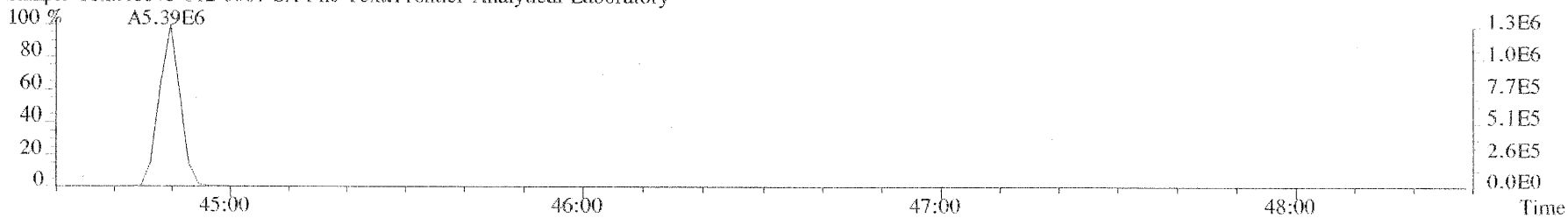
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



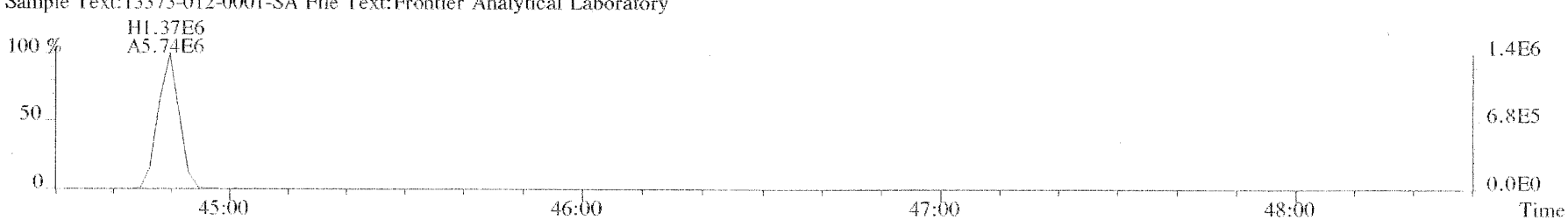
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



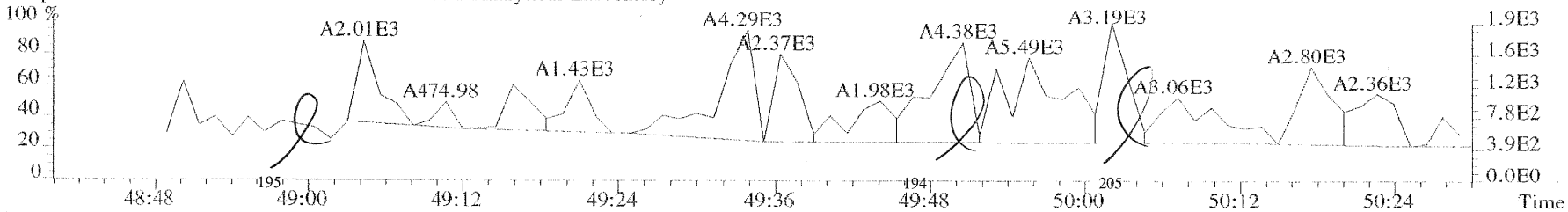
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



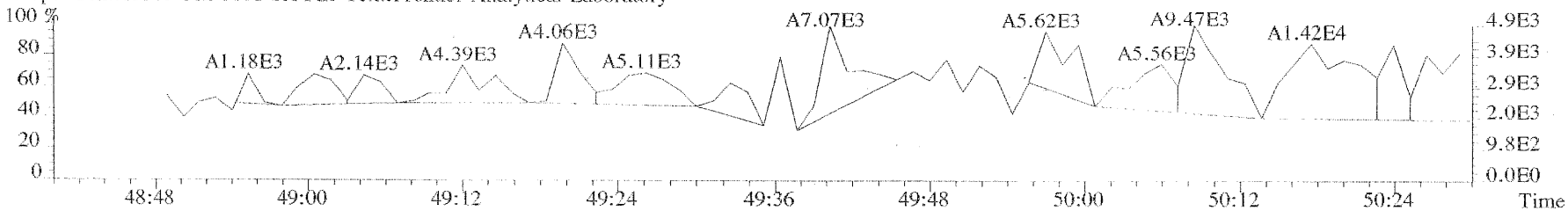
File:26OCT20Z #1-407 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



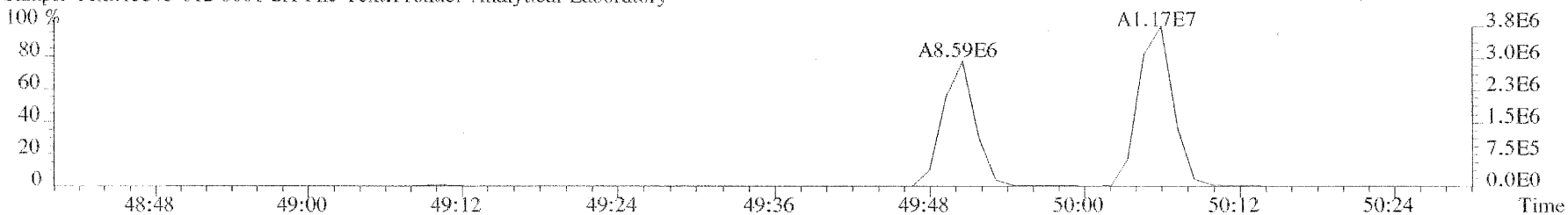
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



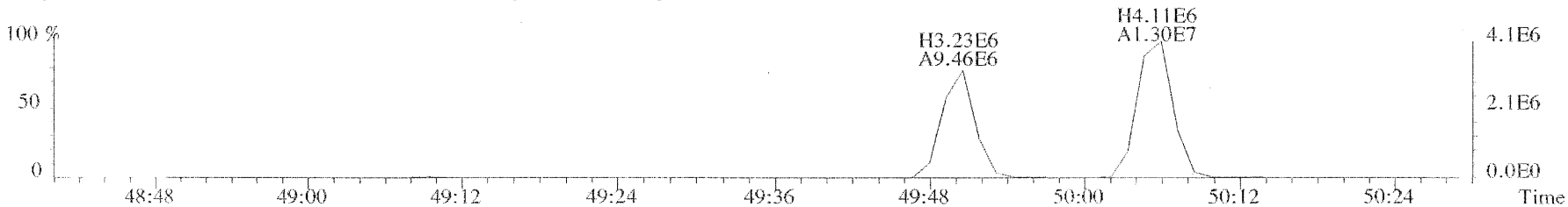
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



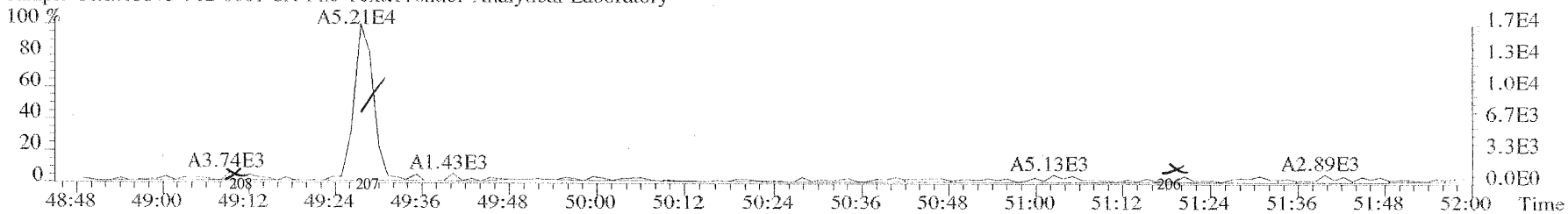
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



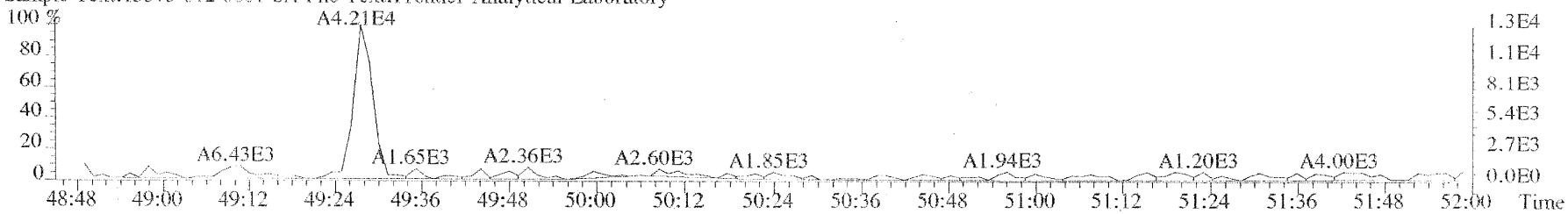
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



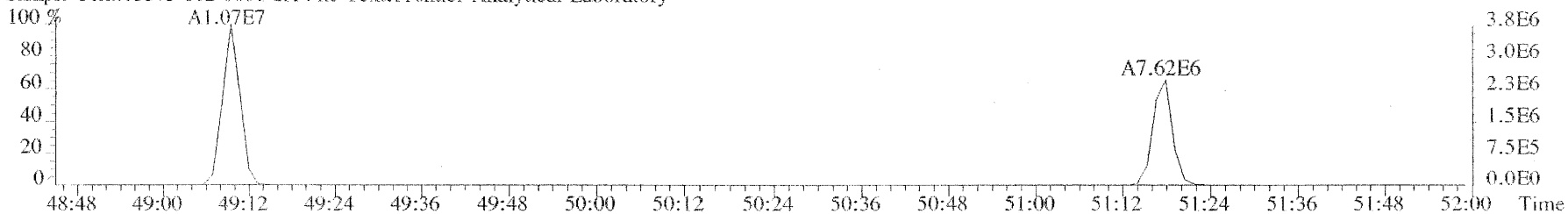
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



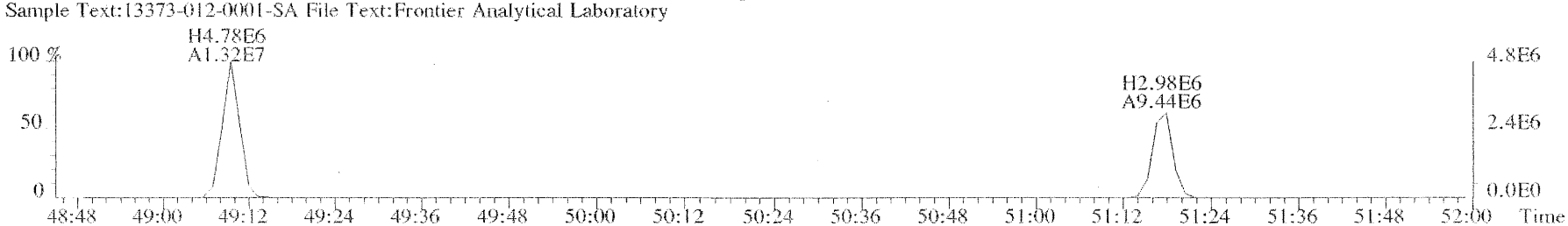
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



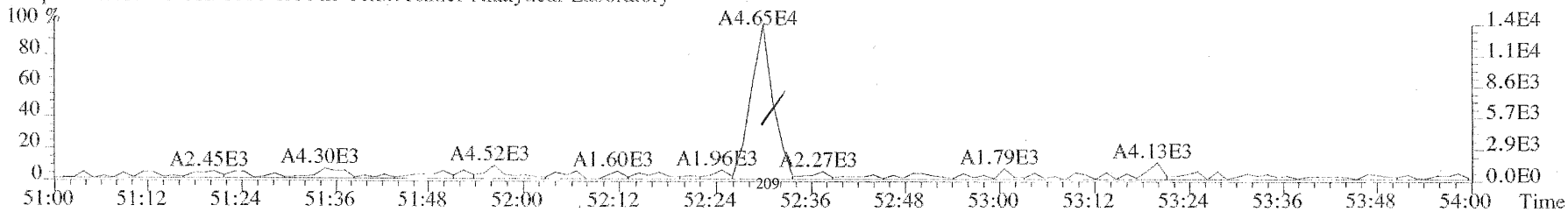
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



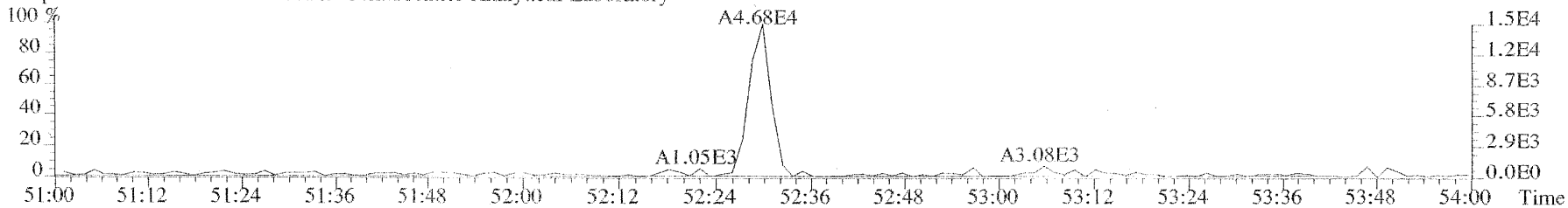
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



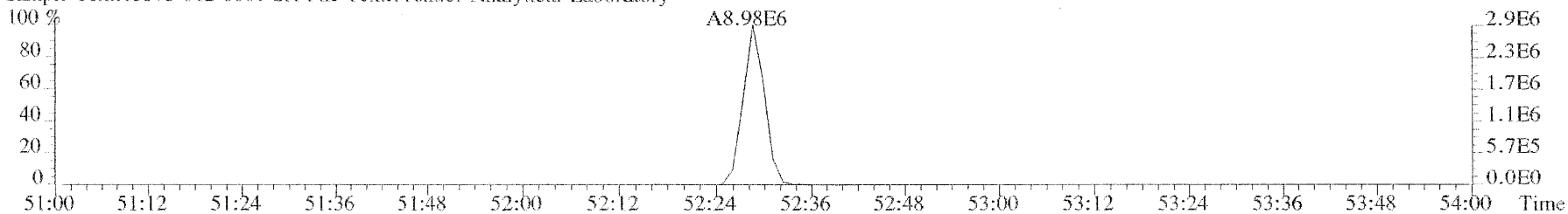
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



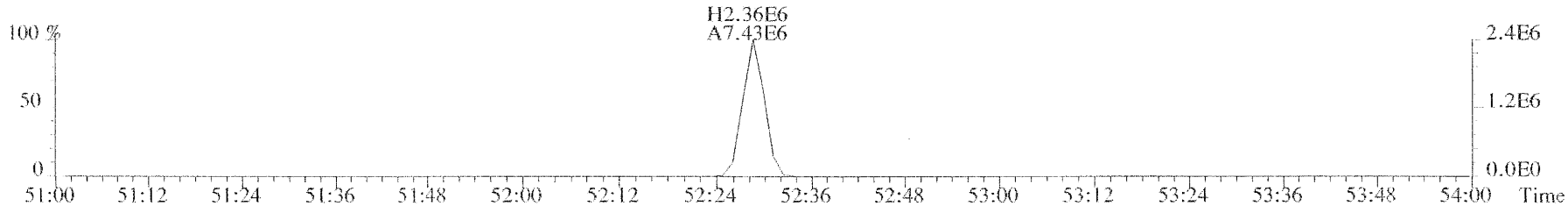
File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-012-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 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:13373-012-0001-SA File Text:Frontier Analytical Laboratory



File:26OCT20Z #1-314 Acq:26-OCT-2020 21:40:20 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:13373-012-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-013-0001-SA Filename: 27OCT20Z Sam:5 Acquired: 27-OCT-20 10:33:33 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-S010-TB ConCal: ST10272021 EndCal: ST10272022
Results: 13237 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	1.37	*		1260	1050	2.50			
13C-PCB-1	4.85e+07	3.29 y	14:32	0.75	10200					102	1.29e+07	3.97e+06
PCB-2	*	* n	NotFnd	1.38	*		1260	1050	2.57			
PCB-3	*	* n	NotFnd	1.35	*		1260	1050	2.72			
13C-PCB-3	4.94e+07	3.36 y	16:57	0.74	10500					105	1.21e+07	3.59e+06
PCB-4	*	* n	NotFnd	1.14	*		840	4560	8.96			
PCB-10	*	* n	NotFnd	1.41	*		840	4560	6.08			
13C-PCB-4	4.54e+07	1.58 y	18:11	0.64	11200					112	8.22e+06	5.08e+06
PCB-9	*	* n	NotFnd	1.43	*		840	4560	5.99			
PCB-7	*	* n	NotFnd	1.37	*		840	4560	6.25			
PCB-6	*	* n	NotFnd	1.39	*		840	4560	6.19			
PCB-8	*	* n	NotFnd	1.40	*		840	4560	6.14			
PCB-5	*	* n	NotFnd	1.45	*		840	4560	5.92			
PCB-14	1.84e+07	1.44 y	21:56	1.46	2170		-	-	*			
PCB-11	6.35e+05	1.68 y	23:03	1.39	78.6		-	-	*			
PCB-13	*	* n	NotFnd	1.42	*		840	4560	6.04			
PCB-12	*	* n	NotFnd	1.43	*		840	4560	6.03			
PCB-15	*	* n	NotFnd	1.23	*		840	4560	6.14			
13C-PCB-15	7.10e+07	1.60 y	23:42	1.07	10500					105	1.10e+07	6.85e+06
PCB-19	*	* n	NotFnd	1.35	*		2760	556	8.66			
PCB-30	*	* n	NotFnd	2.05	*		2760	556	5.68			
PCB-18	*	* n	NotFnd	1.44	*		2760	556	8.12			
PCB-17	*	* n	NotFnd	1.51	*		2760	556	7.70			
PCB-27	*	* n	NotFnd	1.99	*		2760	556	5.85			
PCB-24	*	* n	NotFnd	1.96	*		2760	556	5.95			
PCB-16	*	* n	NotFnd	1.60	*		2760	556	7.28			
PCB-32	*	* n	NotFnd	1.78	*		2760	556	6.56			
13C-PCB-19	2.49e+07	1.10 y	22:03	0.39	10100					101	3.73e+06	3.37e+06
13C-PCB-9	6.33e+07	1.63 y	19:51	-	108							
PCB-34	*	* n	NotFnd	1.14	*		3180	1090	6.54			
PCB-23	*	* n	NotFnd	1.29	*		3180	1090	5.76			
PCB-29	*	* n	NotFnd	1.28	*		3180	1090	5.81			
PCB-26	*	* n	NotFnd	1.26	*		3180	1090	5.90			
PCB-25	*	* n	NotFnd	1.19	*		3180	1090	6.28			
PCB-31	*	* n	NotFnd	1.33	*		3180	1090	5.59			
PCB-28	*	* n	NotFnd	1.36	*		3180	1090	5.47			
PCB-20	*	* n	NotFnd	1.20	*		3180	1090	6.20		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.20	*		3180	1090	6.20		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.20	*		3180	1090	6.20		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.29	*		3180	1090	5.79			
PCB-36	1.18e+07	1.07 y	28:17	1.27	1470		-	-	*			
PCB-39	*	* n	NotFnd	1.28	*		3180	1090	5.81			
PCB-38	*	* n	NotFnd	1.34	*		3180	1090	5.55			
PCB-35	*	* n	NotFnd	1.23	*		3180	1090	6.04			
PCB-37	*	* n	NotFnd	1.25	*		3180	1090	5.94			
13C-PCB-37	6.30e+07	1.08 y	30:21	1.93	11400					114	7.36e+06	6.93e+06

PCB-54	*	*	n	NotFnd	1.33	*		1200	1560	5.87			
PCB-50	*	*	n	NotFnd	1.10	*		1200	1560	7.08			
PCB-53	*	*	n	NotFnd	1.08	*		1200	1560	7.26			
PCB-51	*	*	n	NotFnd	1.11	*		1200	1560	7.07			
PCB-45	*	*	n	NotFnd	0.96	*		1200	1560	8.13			
PCB-46	*	*	n	NotFnd	0.92	*		1200	1560	8.53			
PCB-52	5.42e+04	0.67	y	28:57	1.11	13.5	J	-	-	*		Co-elute PCB 69	
PCB-69	5.42e+04	0.67	y	28:57	1.11	13.5	J	-	-	*		Co-elute PCB 52	
PCB-73	9.81e+04	0.77	y	29:05	1.45	18.8	J	-	-	*			
PCB-43	*	*	n	NotFnd	1.05	*		1200	1560	7.46		Co-elute PCB 49	
PCB-49	*	*	n	NotFnd	1.05	*		1200	1560	7.46		Co-elute PCB 43	
PCB-47	*	*	n	NotFnd	1.09	*		1200	1560	7.20			
PCB-48	*	*	n	NotFnd	1.31	*		1200	1560	5.97		Co-elute PCB 75	
PCB-75	*	*	n	NotFnd	1.31	*		1200	1560	5.97		Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.35	*		1200	1560	5.80			
PCB-62	*	*	n	NotFnd	1.35	*		1200	1560	5.80			
PCB-44	*	*	n	NotFnd	0.91	*		1200	1560	8.55			
PCB-42	*	*	n	NotFnd	1.13	*		1200	1560	6.92		Co-elute PCB 59	
PCB-59	*	*	n	NotFnd	1.13	*		1200	1560	6.92		Co-elute PCB 42	
PCB-72	*	*	n	NotFnd	1.27	*		1200	1560	6.17		Co-elute PCB 41/71/64	
PCB-41	*	*	n	NotFnd	1.27	*		1200	1560	6.17		Co-elute PCB 72/71/64	
PCB-71	*	*	n	NotFnd	1.27	*		1200	1560	6.17		Co-elute PCB 72/41/64	
PCB-64	*	*	n	NotFnd	1.27	*		1200	1560	6.17		Co-elute PCB 72/41/71	
PCB-68	*	*	n	NotFnd	1.48	*		1200	1560	5.30			
PCB-40	*	*	n	NotFnd	0.82	*		1200	1560	9.58			
PCB-57	*	*	n	NotFnd	1.40	*		1200	1560	5.58			
PCB-67	*	*	n	NotFnd	1.44	*		1200	1560	5.41			
PCB-58	*	*	n	NotFnd	1.35	*		1200	1560	5.77			
PCB-63	*	*	n	NotFnd	1.41	*		1200	1560	5.53			
PCB-74	*	*	n	NotFnd	1.44	*		1200	1560	5.44			
PCB-61	*	*	n	NotFnd	1.29	*		1200	1560	6.04		Co-elute PCB 70	
PCB-70	*	*	n	NotFnd	1.29	*		1200	1560	6.04		Co-elute PCB 61	
PCB-76	*	*	n	NotFnd	1.45	*		1200	1560	5.38		Co-elute PCB 66	
PCB-66	*	*	n	NotFnd	1.45	*		1200	1560	5.38		Co-elute PCB 76	
PCB-80	*	*	n	NotFnd	1.63	*		1200	1560	4.81			
PCB-55	2.42e+05	0.73	y	33:30	1.44	46.9		-	-	*			
13C-PCB-54	3.60e+07	0.82	y	25:36	1.12	11200					112	3.97e+06	4.86e+06
PCB-104	9.27e+06	1.58	y	30:03	1.23	3290		-	-	*			
PCB-96	*	*	n	NotFnd	1.21	*		488	540	3.58			
PCB-103	*	*	n	NotFnd	1.03	*		488	540	4.18			
PCB-100	*	*	n	NotFnd	1.04	*		488	540	4.16			
PCB-94	*	*	n	NotFnd	0.87	*		488	540	4.98			
PCB-98	*	*	n	NotFnd	0.86	*		488	540	5.03		Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.86	*		488	540	5.03		Co-elute PCB 98	
PCB-95	*	*	n	NotFnd	1.01	*		488	540	4.27			
PCB-93	*	*	n	NotFnd	0.86	*		488	540	5.03			
PCB-88	*	*	n	NotFnd	0.96	*		488	540	4.47		Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.96	*		488	540	4.47		Co-elute PCB 88	
PCB-121	1.30e+07	1.59	y	33:30	1.15	4950		-	-	*			
13C-PCB-104	2.28e+07	1.61	y	30:02	0.70	11300					113	3.65e+06	2.30e+06
13C-PCB-28	6.41e+07	1.06	y	26:39	2.24	9980					99.8	7.75e+06	7.38e+06
13C-PCB-52	2.87e+07	0.83	y	28:56	-	105							

PCB-56	*	*	n	NotFnd	1.24	*	2050	2100	7.64		Co-elute PCB 60	
PCB-60	*	*	n	NotFnd	1.24	*	2050	2100	7.64		Co-elute PCB 56	
PCB-79	*	*	n	NotFnd	1.31	*	2050	2100	7.23			
PCB-78	2.68e+07	0.81	y	35:38	1.31	4040	-	-	*			
PCB-81	*	*	n	NotFnd	1.37	*	2050	2100	6.98			
13C-PCB-81	4.96e+07	0.79	y	36:07	1.87	11000				110	4.76e+06	6.08e+06
PCB-77	*	*	n	NotFnd	1.25	*	2050	2100	7.46			
13C-PCB-77	5.13e+07	0.80	y	36:40	1.90	11200				112	4.93e+06	6.20e+06
PCB-155	1.61e+07	1.27	y	34:12	1.14	5600	-	-	*			
PCB-150	*	*	n	NotFnd	1.15	*	1080	864	7.10			
PCB-152	*	*	n	NotFnd	1.12	*	1080	864	7.29			
PCB-145	*	*	n	NotFnd	1.10	*	1080	864	7.42			
PCB-136	*	*	n	NotFnd	1.05	*	1080	864	7.74			
PCB-148	*	*	n	NotFnd	0.92	*	1080	864	8.86			
PCB-154	*	*	n	NotFnd	1.01	*	1080	864	8.02			
13C-PCB-155	2.51e+07	1.30	y	34:10	0.94	11000				110	3.42e+06	2.57e+06
13C-PCB-111	3.03e+07	1.62	y	36:16	1.27	9880				98.8	4.53e+06	2.79e+06
13C-PCB-101	2.42e+07	1.65	y	34:37	-	106						
PCB-84	*	*	n	NotFnd	0.61	*	1000	1210	8.23		Co-elute PCB 92	
PCB-92	*	*	n	NotFnd	0.61	*	1000	1210	8.23		Co-elute PCB 84	
PCB-89	*	*	n	NotFnd	0.59	*	1000	1210	8.43			
PCB-90	*	*	n	NotFnd	0.69	*	1000	1210	7.20		Co-elute PCB 101	
PCB-101	*	*	n	NotFnd	0.69	*	1000	1210	7.20		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.82	*	1000	1210	6.11			
PCB-99	*	*	n	NotFnd	0.74	*	1000	1210	6.76			
PCB-119	*	*	n	NotFnd	0.91	*	1000	1210	5.48			
PCB-83	*	*	n	NotFnd	0.72	*	1000	1210	6.95		Co-elute PCB 112	
PCB-112	*	*	n	NotFnd	0.72	*	1000	1210	6.95		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.84	*	1000	1210	5.92			
PCB-97	*	*	n	NotFnd	0.60	*	1000	1210	8.33			
PCB-86	*	*	n	NotFnd	0.57	*	1000	1210	8.82			
PCB-125	*	*	n	NotFnd	0.81	*	1000	1210	6.13		Co-elute PCB 87/117	
PCB-87	*	*	n	NotFnd	0.81	*	1000	1210	6.13		Co-elute PCB 125/117	
PCB-117	*	*	n	NotFnd	0.81	*	1000	1210	6.13		Co-elute PCB 125/87	
PCB-111	*	*	n	NotFnd	0.89	*	1000	1210	5.64		Co-elute PCB 115	
PCB-115	*	*	n	NotFnd	0.89	*	1000	1210	5.64		Co-elute PCB 111	
PCB-85	*	*	n	NotFnd	0.77	*	1000	1210	6.49		Co-elute PCB 116	
PCB-116	*	*	n	NotFnd	0.77	*	1000	1210	6.49		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	0.94	*	1000	1210	5.32			
PCB-110	*	*	n	NotFnd	0.89	*	1000	1210	5.60			
PCB-82	*	*	n	NotFnd	0.56	*	1000	1210	8.92			
PCB-124	*	*	n	NotFnd	1.25	*	1070	1240	4.17			
PCB-108	*	*	n	NotFnd	1.18	*	1070	1240	4.41		Co-elute PCB 107	
PCB-107	*	*	n	NotFnd	1.18	*	1070	1240	4.41		Co-elute PCB 108	
PCB-123	*	*	n	NotFnd	1.08	*	1070	1240	5.00			
13C-PCB-123	4.83e+07	1.60	y	38:17	1.54	11300				113	6.66e+06	4.10e+06
PCB-118	*	*	n	NotFnd	1.17	*	1070	1240	4.35		Co-elute PCB 106	
PCB-106	*	*	n	NotFnd	1.17	*	1070	1240	4.35		Co-elute PCB 118	
13C-PCB-118	5.01e+07	1.60	y	38:29	1.60	11300				113	7.08e+06	4.35e+06
PCB-114	*	*	n	NotFnd	1.19	*	1070	1240	4.50			
13C-PCB-114	4.91e+07	1.59	y	39:05	1.57	11200				112	6.60e+06	4.21e+06
PCB-122	*	*	n	NotFnd	1.23	*	1070	1240	4.26			
PCB-105	*	*	n	NotFnd	1.24	*	1070	1240	4.08			
13C-PCB-105	4.80e+07	1.62	y	39:55	1.52	11400				114	7.05e+06	4.34e+06

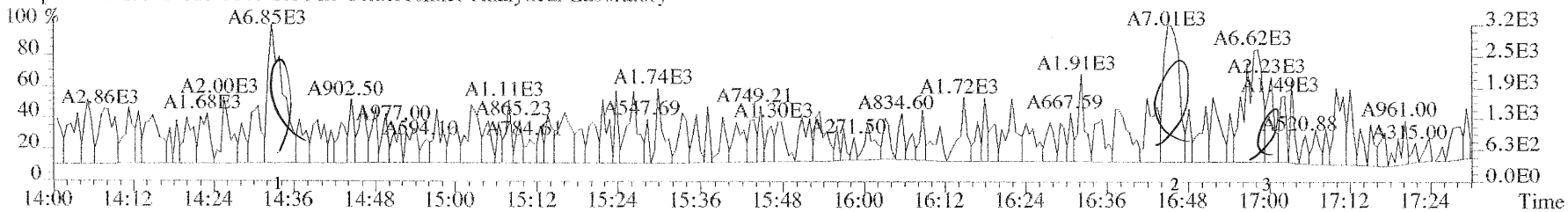
PCB-127	*	*	n	NotFnd	1.16	*		1070	1240	4.49				
PCB-126	*	*	n	NotFnd	1.18	*		1070	1240	4.59				
13C-PCB-126	4.68e+07	1.59	y	42:01	1.57	10700						107	6.53e+06	4.10e+06
PCB-151	*	*	n	NotFnd	0.98	*		1240	1140	7.38				
PCB-135	*	*	n	NotFnd	0.91	*		1240	1140	7.91				
PCB-144	*	*	n	NotFnd	1.12	*		1240	1140	6.45				
PCB-147	*	*	n	NotFnd	1.01	*		1240	1140	7.12				
PCB-139	*	*	n	NotFnd	1.05	*		1240	1140	6.90	Co-elute PCB 149			
PCB-149	*	*	n	NotFnd	1.05	*		1240	1140	6.90	Co-elute PCB 139			
PCB-140	*	*	n	NotFnd	1.04	*		1240	1140	6.93				
PCB-143	*	*	n	NotFnd	0.89	*		1240	1140	8.14	Co-elute PCB 134			
PCB-134	*	*	n	NotFnd	0.89	*		1240	1140	8.14	Co-elute PCB 143			
PCB-131	*	*	n	NotFnd	0.89	*		1240	1140	8.09	Co-elute PCB 133			
PCB-133	*	*	n	NotFnd	0.89	*		1240	1140	8.09	Co-elute PCB 131			
PCB-142	2.81e+06	1.26	y	39:28	0.87	939		-	-	*				
PCB-165	*	*	n	NotFnd	1.16	*		1240	1140	6.23	Co-elute PCB 146			
PCB-146	*	*	n	NotFnd	1.16	*		1240	1140	6.23	Co-elute PCB 165			
PCB-161	4.36e+04	1.31	y	39:53	1.06	12.0	J	-	-	*	Co-elute PCB 132			
PCB-132	4.36e+04	1.31	y	39:53	1.06	12.0	J	-	-	*	Co-elute PCB 161			
PCB-153	2.45e+05	1.20	y	40:08	1.23	58.1		-	-	*				
PCB-168	*	*	n	NotFnd	1.26	*		1240	1140	5.73				
PCB-141	*	*	n	NotFnd	1.00	*		1240	1140	7.22				
PCB-137	*	*	n	NotFnd	0.98	*		1240	1140	7.37				
PCB-130	*	*	n	NotFnd	0.94	*		1240	1140	7.63				
PCB-138	*	*	n	NotFnd	1.16	*		1240	1140	6.24	Co-elute PCB 163/164			
PCB-163	*	*	n	NotFnd	1.16	*		1240	1140	6.24	Co-elute PCB 138/164			
PCB-164	*	*	n	NotFnd	1.16	*		1240	1140	6.24	Co-elute PCB 138/163			
PCB-158	*	*	n	NotFnd	1.32	*		1240	1140	5.47	Co-elute PCB 160			
PCB-160	*	*	n	NotFnd	1.32	*		1240	1140	5.47	Co-elute PCB 158			
PCB-129	*	*	n	NotFnd	0.85	*		1240	1140	8.47				
PCB-166	*	*	n	NotFnd	1.30	*		1240	1140	5.53				
PCB-159	*	*	n	NotFnd	1.33	*		1240	1140	5.42				
PCB-128	*	*	n	NotFnd	1.09	*		1240	1140	6.59	Co-elute PCB 162			
PCB-162	*	*	n	NotFnd	1.09	*		1240	1140	6.59	Co-elute PCB 128			
PCB-167	*	*	n	NotFnd	1.24	*		1240	1140	5.65				
13C-PCB-167	3.53e+07	1.29	y	43:24	1.14	11100						111	4.80e+06	3.73e+06
PCB-156	*	*	n	NotFnd	1.30	*		1240	1140	6.06				
13C-PCB-156	3.40e+07	1.30	y	44:38	1.11	11000						110	4.29e+06	3.28e+06
PCB-157	*	*	n	NotFnd	1.25	*		1240	1140	6.00				
13C-PCB-157	3.45e+07	1.32	y	44:52	1.11	11200						112	4.55e+06	3.42e+06
PCB-169	*	*	n	NotFnd	1.23	*		1240	1140	5.29				
13C-PCB-169	3.35e+07	1.31	y	46:44	1.09	11100						111	5.27e+06	3.93e+06

FAL ID: 13373-013-0001-SA Filename: 27OCT20Z Sam:5 Acquired: 27-OCT-20 10:33:33 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-SU-S010-TB ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 1.000

PCB-188	*	*	n	NotFnd	1.23	*	654	488	4.25			
13C-PCB-188	2.37e+07	1.10	y	39:41	0.80	10600				106	2.86e+06	2.60e+06
PCB-184	1.86e+07	1.08	y	40:08	1.38	5850	-	-	*			
PCB-179	*	*	n	NotFnd	1.30	*	654	488	3.54			
PCB-176	*	*	n	NotFnd	1.30	*	654	488	3.54			
PCB-186	*	*	n	NotFnd	1.28	*	654	488	3.58			
PCB-178	*	*	n	NotFnd	0.94	*	654	488	4.89			
PCB-175	*	*	n	NotFnd	0.99	*	654	488	4.64			
PCB-187	*	*	n	NotFnd	1.07	*	654	488	4.29		Co-elute PCB 182	
PCB-182	*	*	n	NotFnd	1.07	*	654	488	4.29		Co-elute PCB 187	
PCB-183	*	*	n	NotFnd	1.04	*	654	488	4.42			
PCB-185	*	*	n	NotFnd	0.96	*	654	488	4.79			
PCB-174	*	*	n	NotFnd	1.01	*	654	488	4.54			
PCB-181	*	*	n	NotFnd	0.95	*	654	488	4.82			
PCB-177	*	*	n	NotFnd	0.89	*	654	488	5.14			
PCB-171	*	*	n	NotFnd	0.95	*	654	488	4.86			
PCB-173	*	*	n	NotFnd	0.86	*	654	488	5.34			
PCB-172	2.50e+05	0.97	y	45:24	0.89	123	-	-	*			
PCB-192	1.30e+07	1.08	y	45:37	1.18	4800	-	-	*			
PCB-180	*	*	n	NotFnd	0.94	*	654	488	4.87			
PCB-193	*	*	n	NotFnd	1.25	*	654	488	3.67			
PCB-191	*	*	n	NotFnd	1.23	*	654	488	3.73			
PCB-170	*	*	n	NotFnd	0.89	*	654	488	5.16			
PCB-190	*	*	n	NotFnd	1.19	*	654	488	3.87			
PCB-189	*	*	n	NotFnd	1.21	*	654	488	3.23			
13C-PCB-189	2.23e+07	1.07	y	48:25	0.73	11000				110	3.77e+06	3.53e+06
PCB-202	*	*	n	NotFnd	1.10	*	532	630	6.31			
PCB-201	*	*	n	NotFnd	1.25	*	532	630	5.52			
PCB-204	2.48e+07	0.95	y	45:24	1.19	12700	-	-	*			
PCB-197	1.44e+05	0.86	y	45:40	1.20	73.1	-	-	*			
PCB-200	*	*	n	NotFnd	1.21	*	532	630	5.72			
PCB-198	*	*	n	NotFnd	0.81	*	532	630	8.53			
PCB-199	*	*	n	NotFnd	0.93	*	532	630	7.44			
PCB-203	*	*	n	NotFnd	0.93	*	532	630	7.46		Co-elute PCB 196	
PCB-196	*	*	n	NotFnd	0.93	*	532	630	7.46		Co-elute PCB 203	
13C-PCB-202	1.64e+07	0.89	y	44:48	0.55	10700				107	1.98e+06	2.22e+06
13C-PCB-178	1.66e+07	1.08	y	42:19	0.62	9560				95.6	2.02e+06	1.90e+06
13C-PCB-138	2.78e+07	1.25	y	41:32	-	107						
PCB-195	*	*	n	NotFnd	0.91	*	1460	1650	6.16			
PCB-194	*	*	n	NotFnd	0.97	*	1460	1650	5.80			
PCB-205	*	*	n	NotFnd	1.17	*	1460	1650	4.79			
13C-PCB-205	3.96e+07	0.90	y	50:04	1.20	11500				115	6.59e+06	7.26e+06
PCB-208	*	*	n	NotFnd	1.13	*	860	996	3.54			
13C-PCB-208	3.24e+07	0.82	y	49:08	0.98	11600				116	5.15e+06	6.42e+06
PCB-207	1.62e+05	1.41	y	49:27	1.33	43.4	-	-	*			
PCB-206	*	*	n	NotFnd	1.19	*	860	996	4.79			
13C-PCB-206	2.38e+07	0.81	y	51:16	0.70	12000				120	3.63e+06	4.48e+06
PCB-209	1.77e+05	1.10	y	52:28	1.23	62.3	-	-	*			
13C-PCB-209	2.31e+07	1.22	y	52:27	0.70	11600				116	3.95e+06	3.32e+06
13C-PCB-194	2.86e+07	0.90	y	49:49	-	109						

Analyst: _____ Date: 10/30/20

File:27OCT20Z #1-783 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
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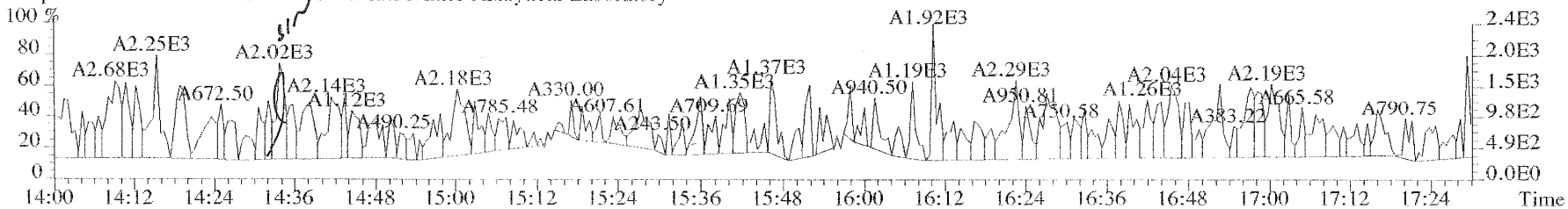
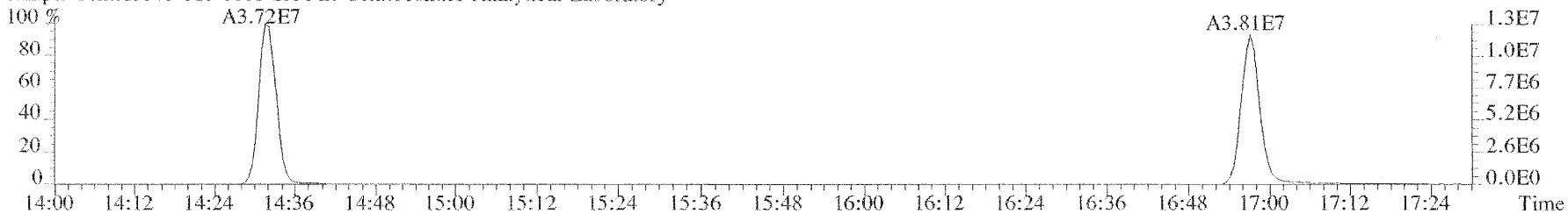
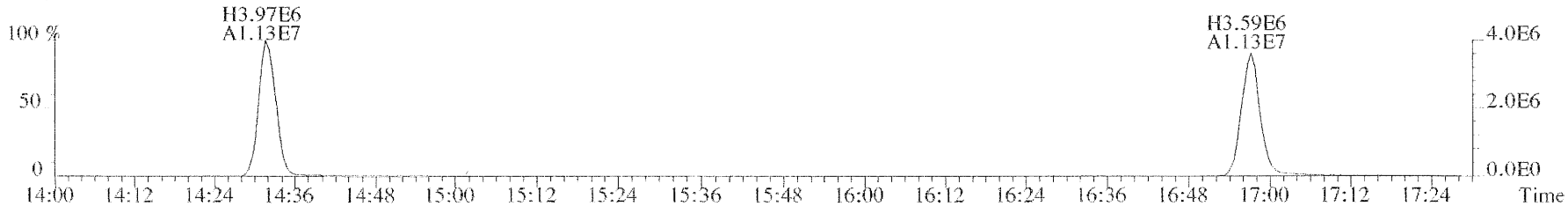
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



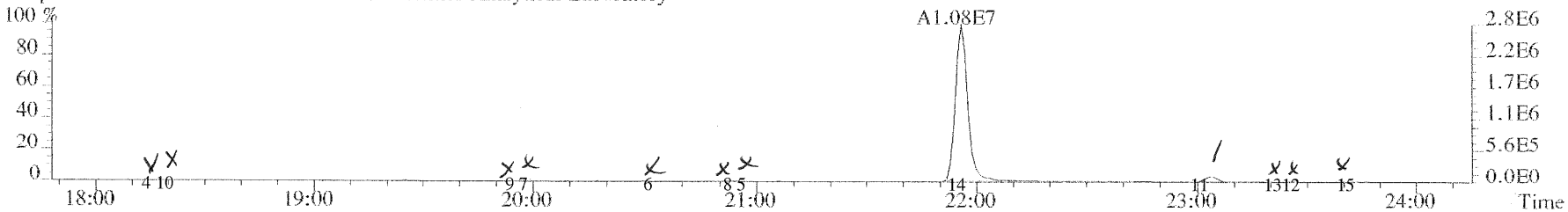
File:27OCT20Z #1-783 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



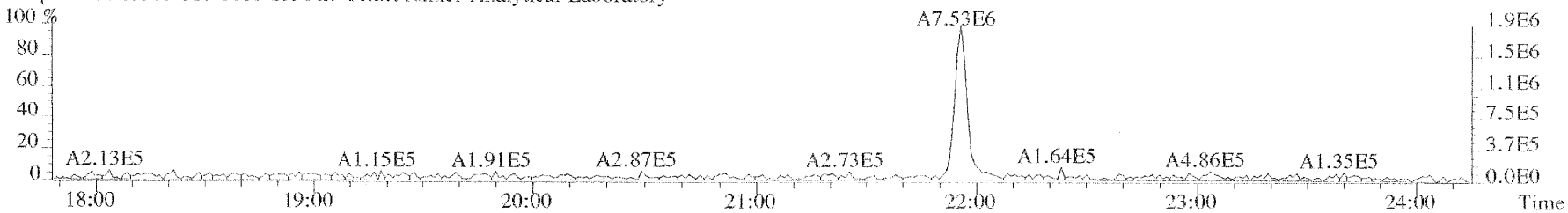
File:27OCT20Z #1-783 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



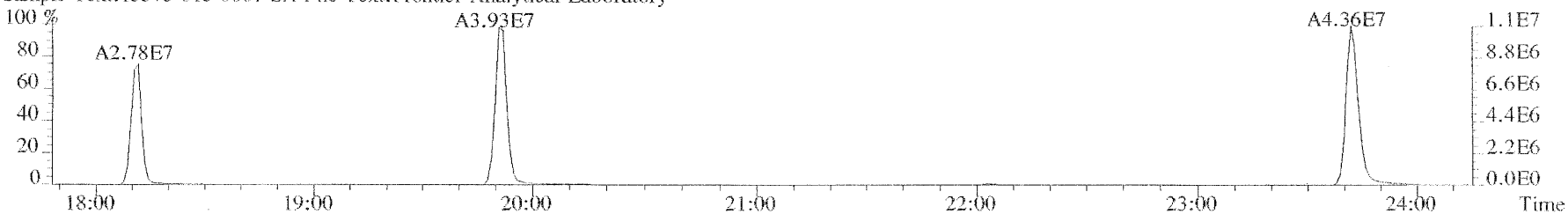
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



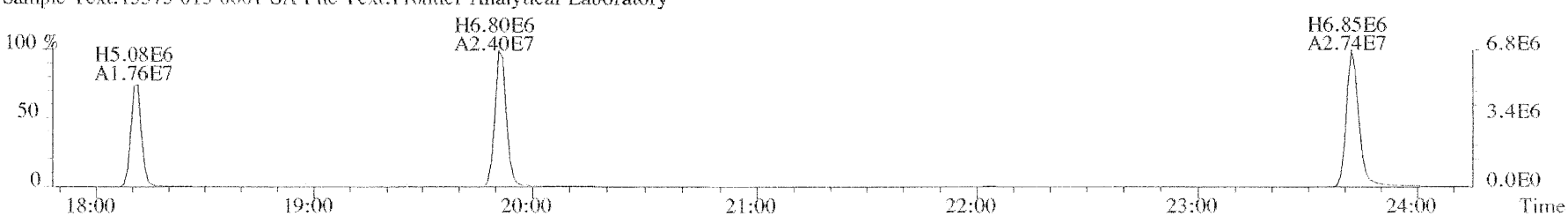
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



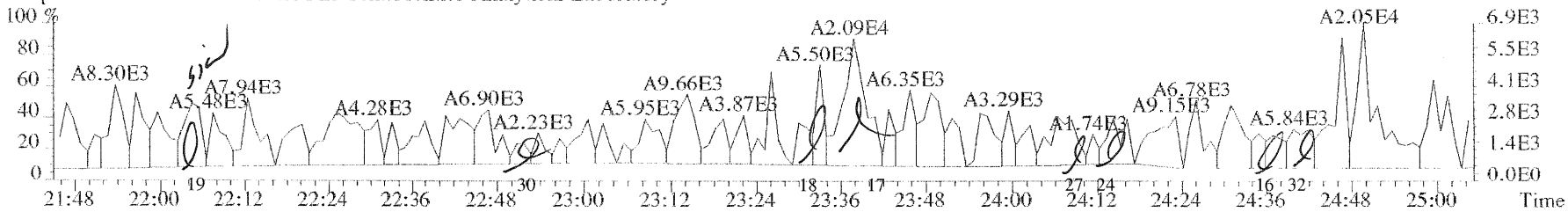
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



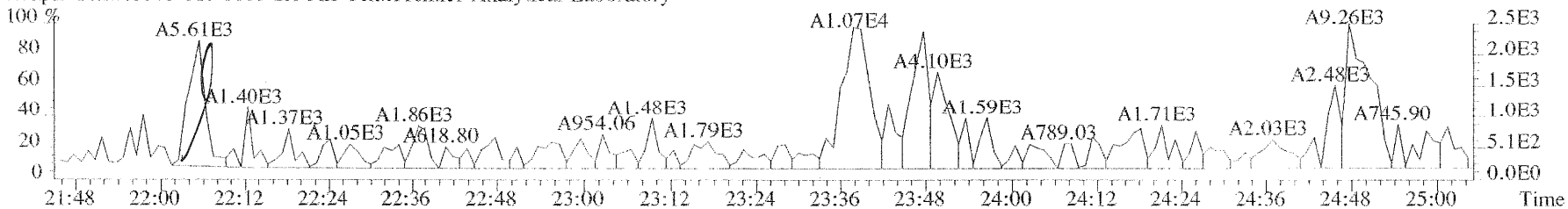
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



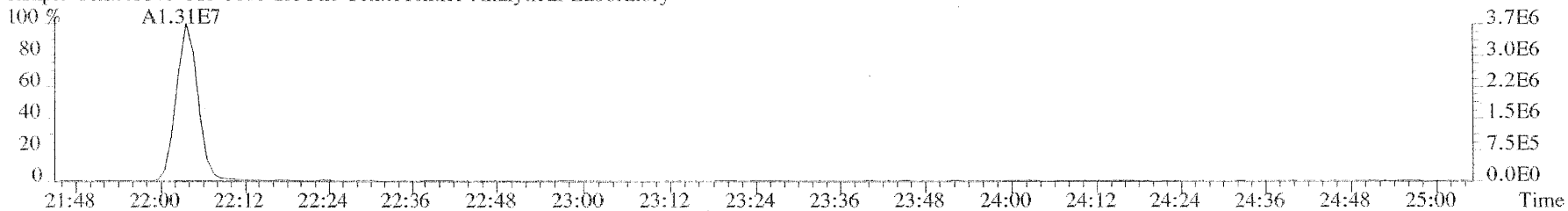
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



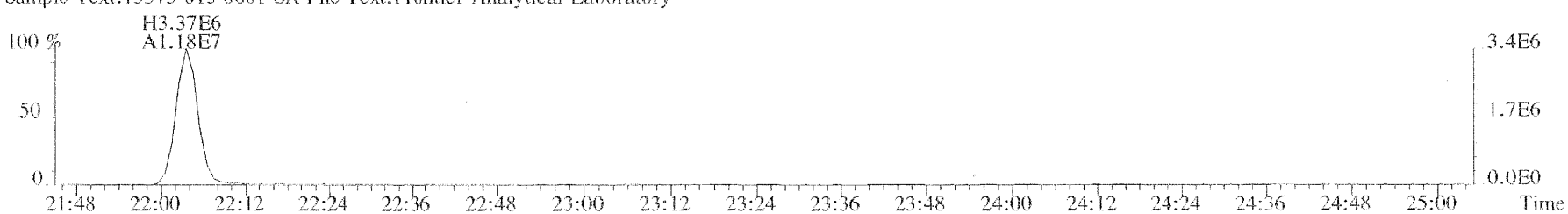
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



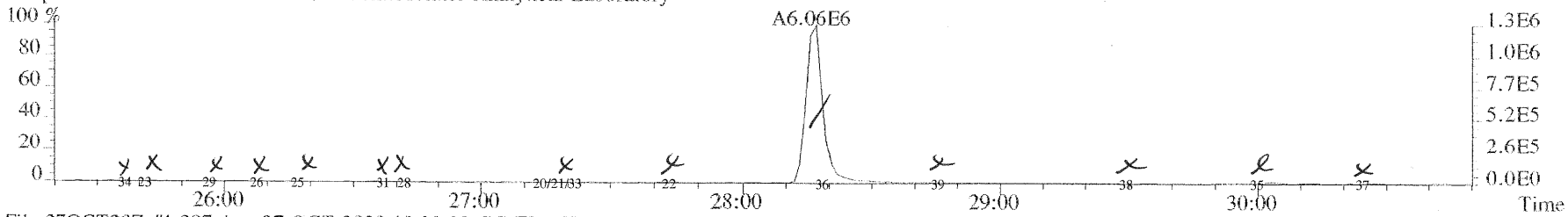
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



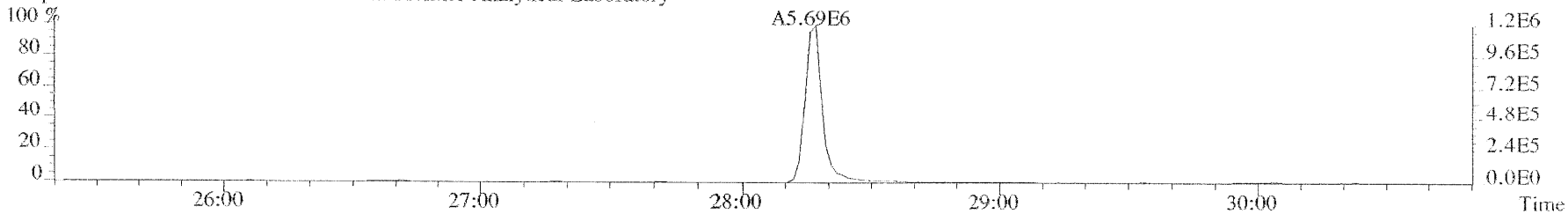
File:27OCT20Z #1-467 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



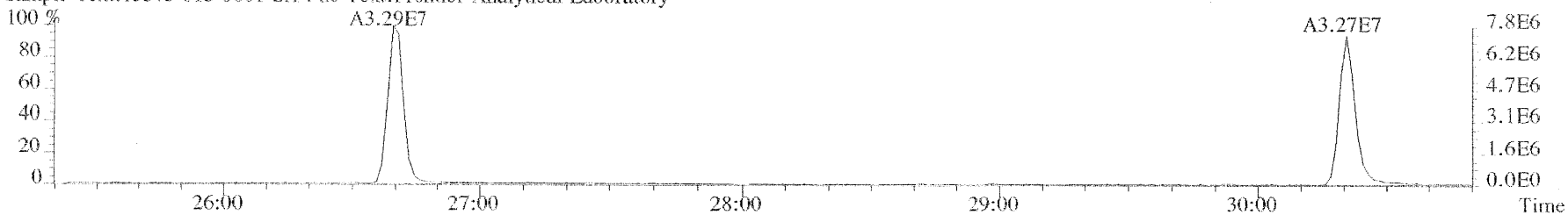
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



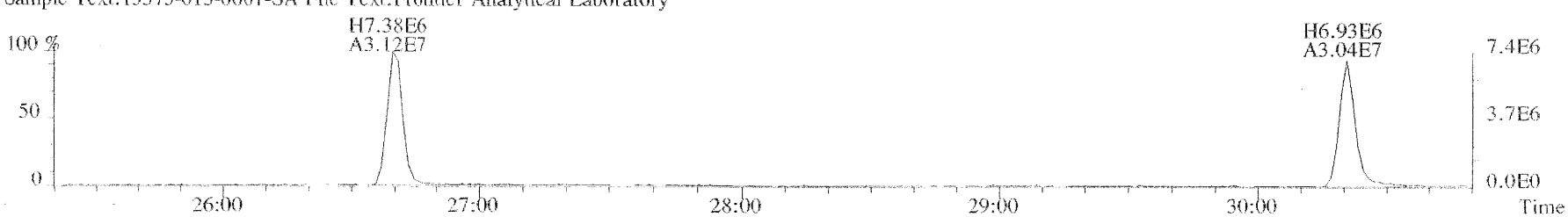
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



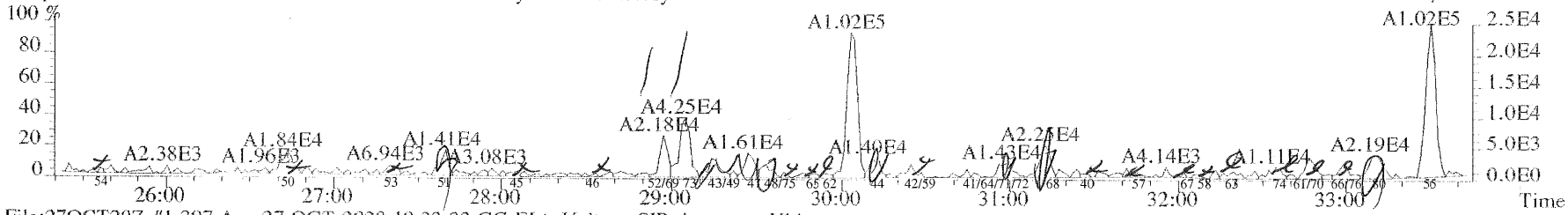
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



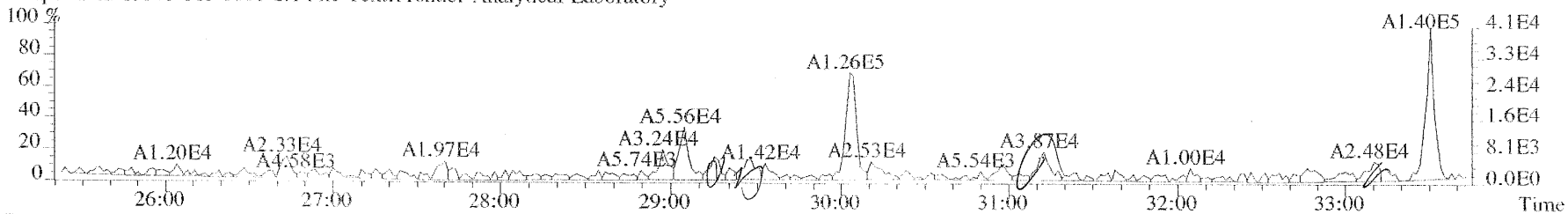
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



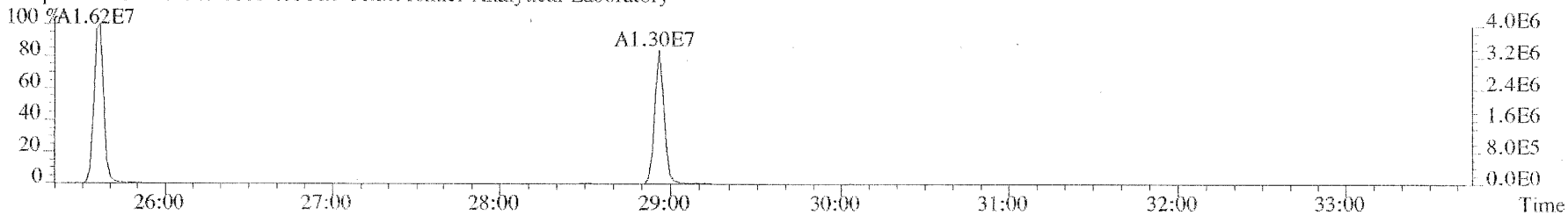
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



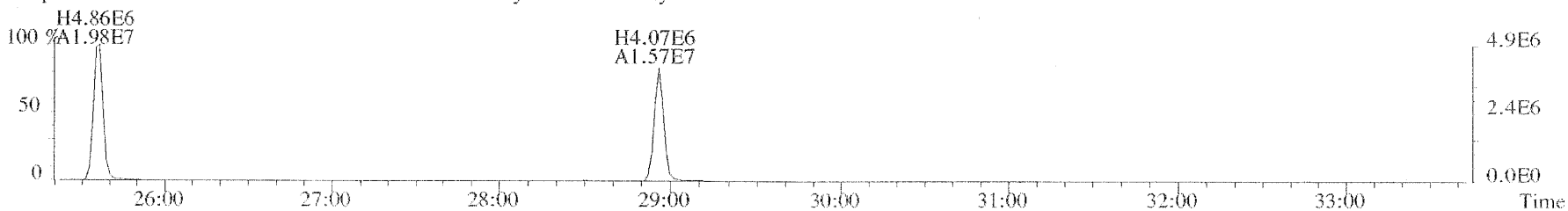
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



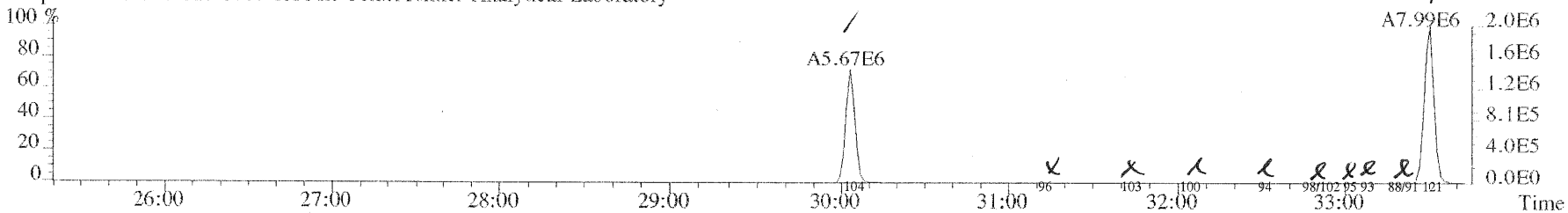
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



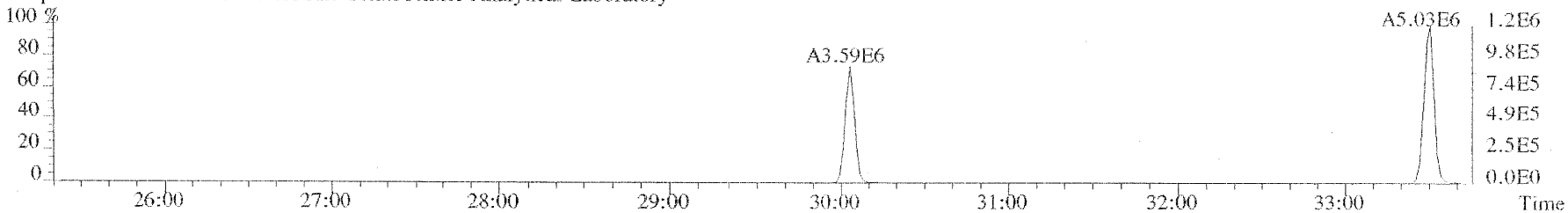
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



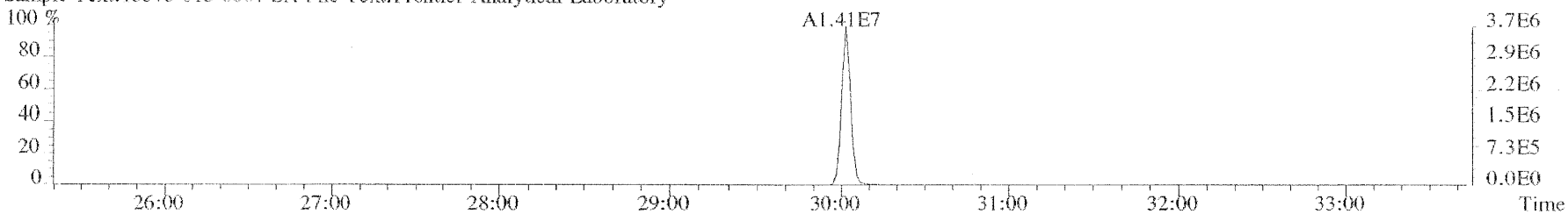
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



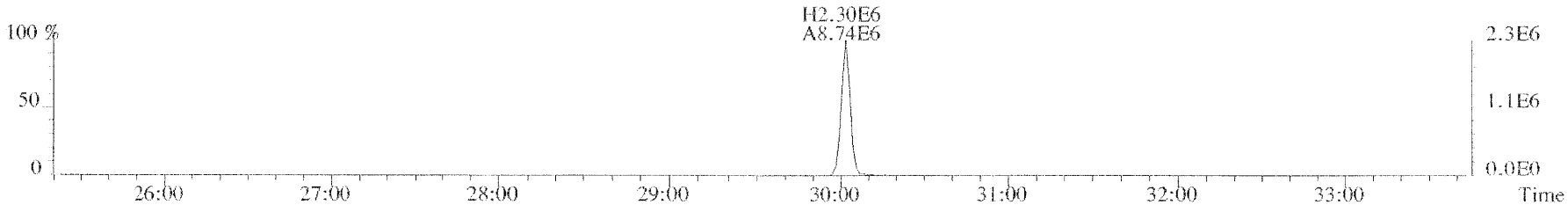
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



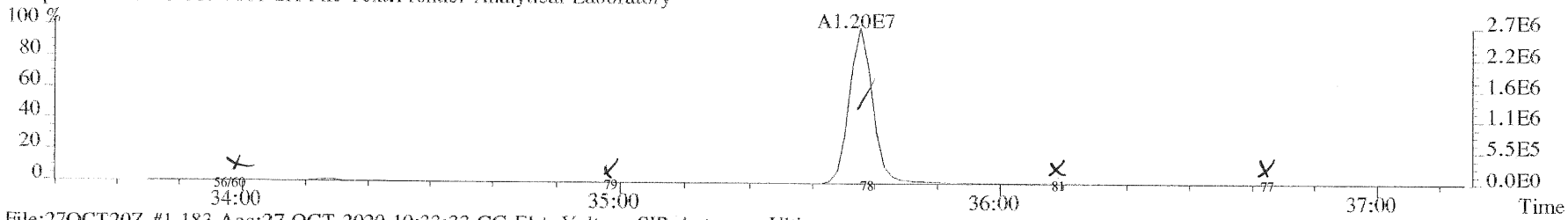
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



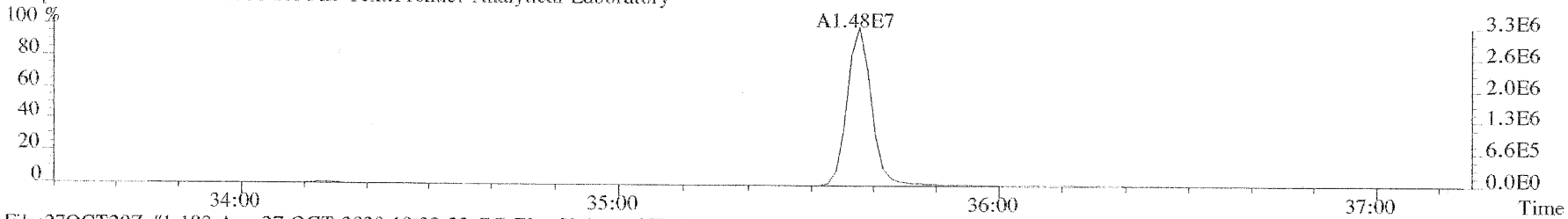
File:27OCT20Z #1-397 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



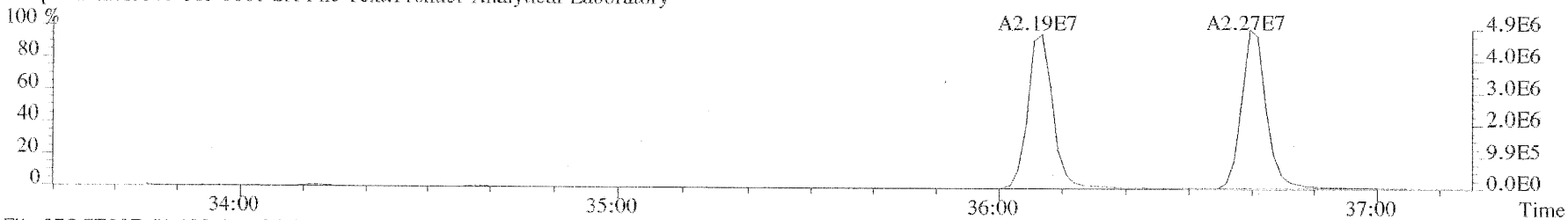
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



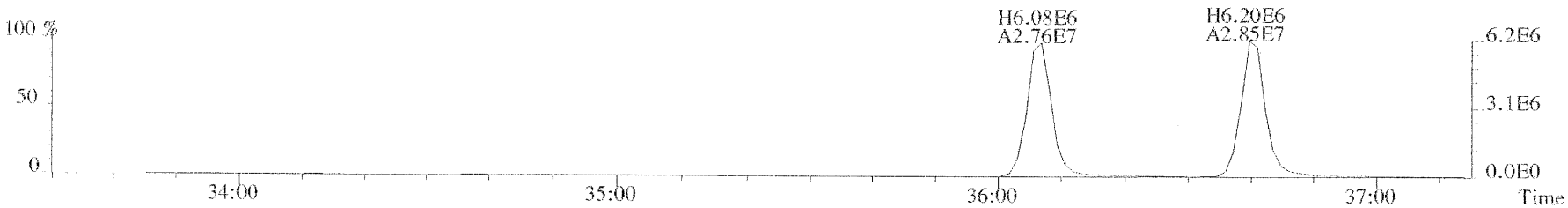
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



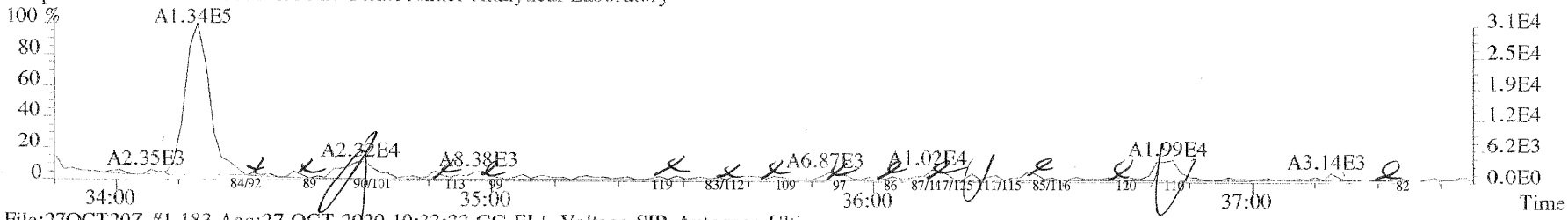
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



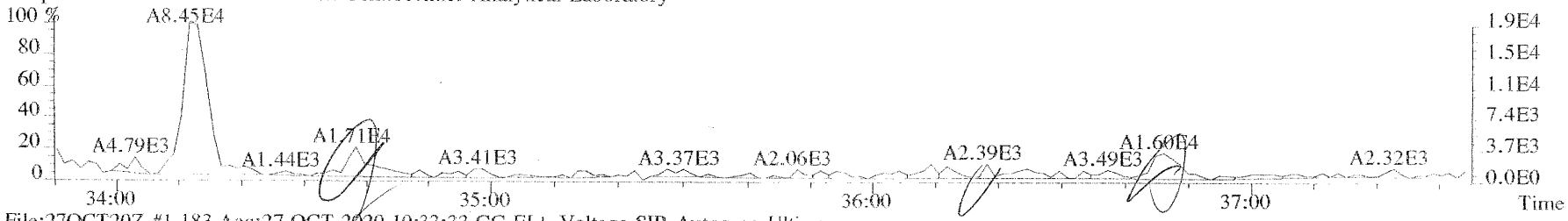
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



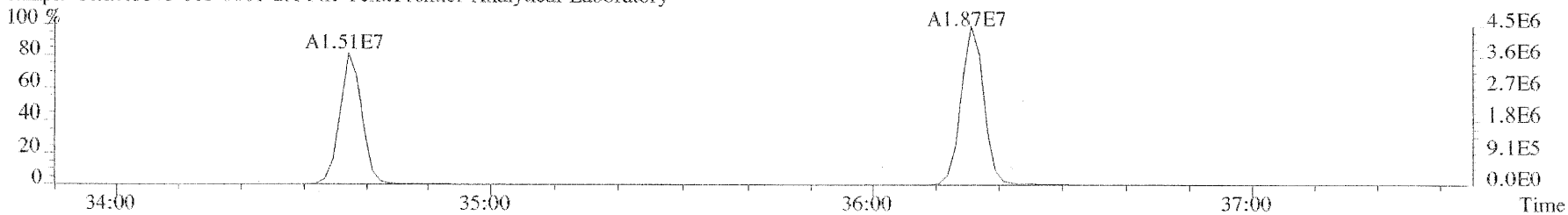
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



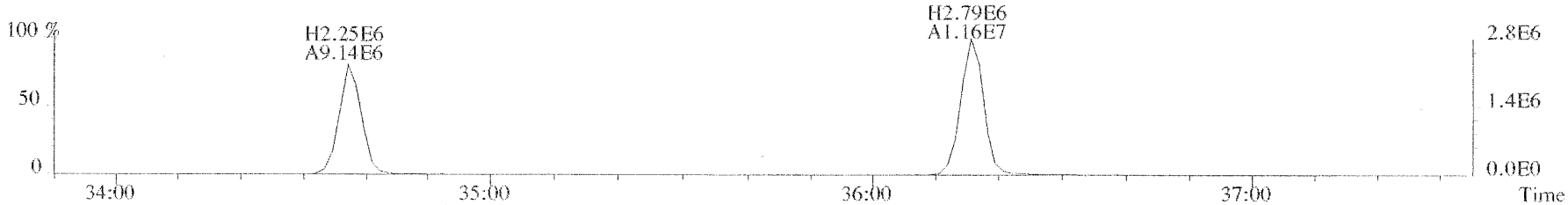
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



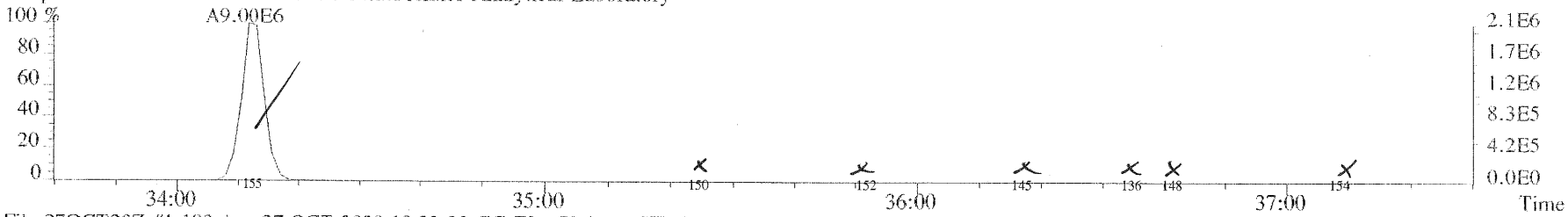
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



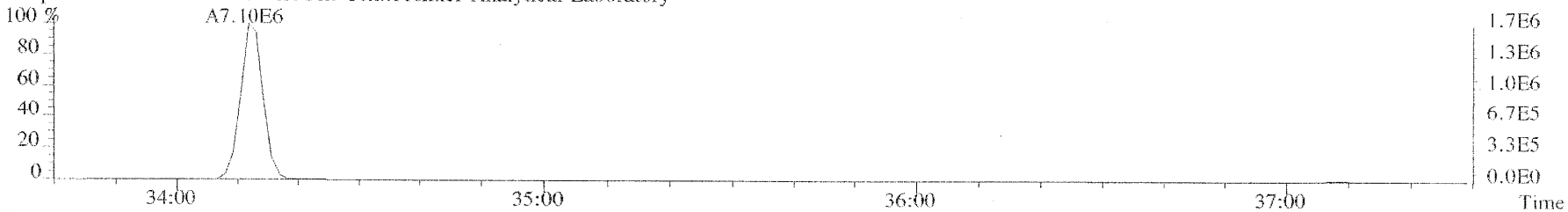
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



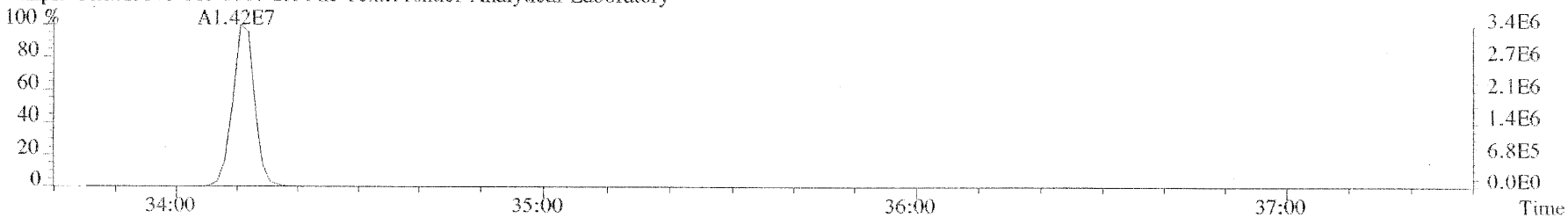
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



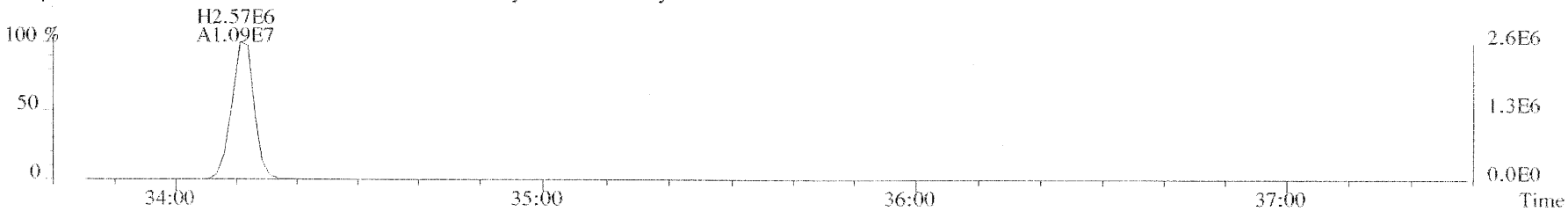
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



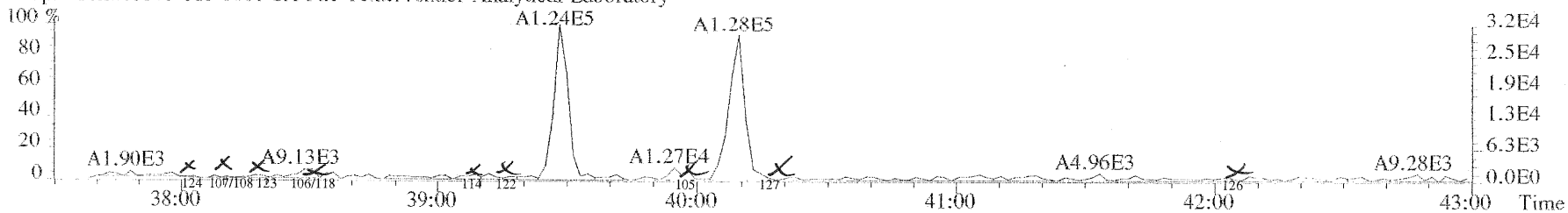
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



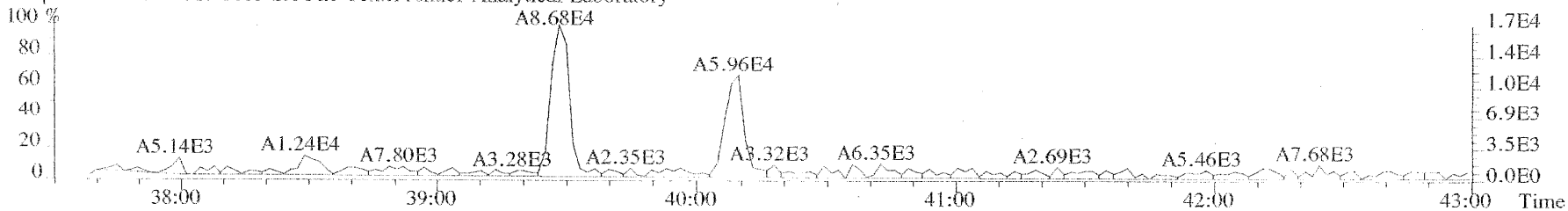
File:27OCT20Z #1-183 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



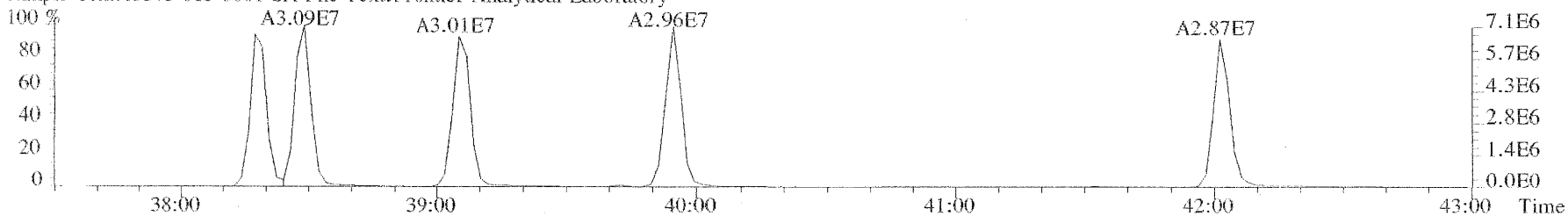
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



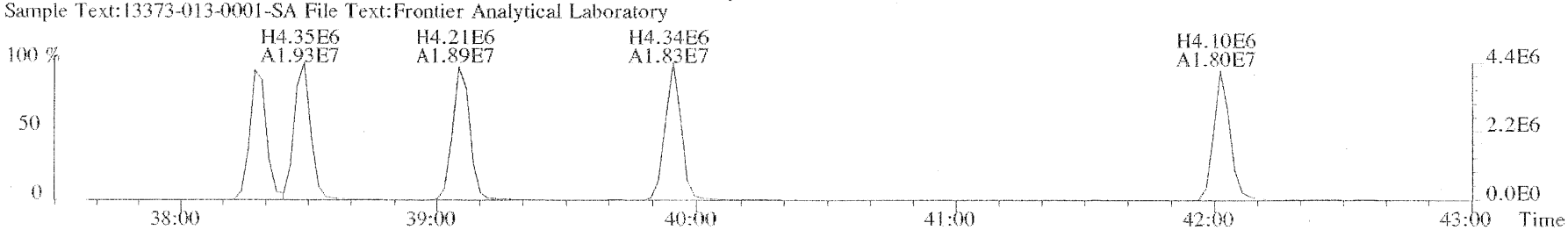
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



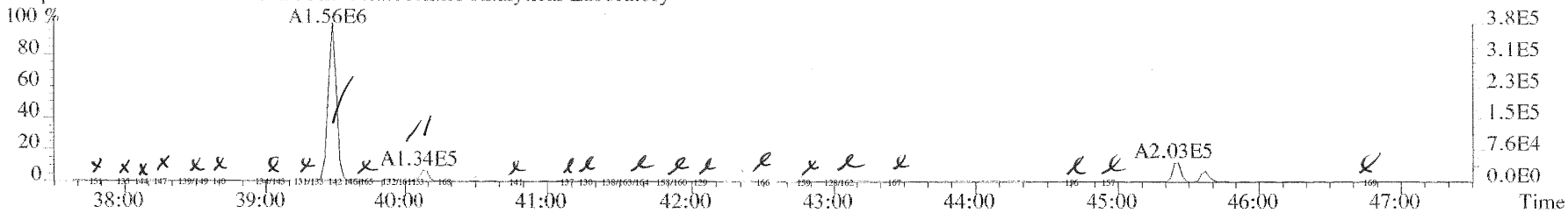
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



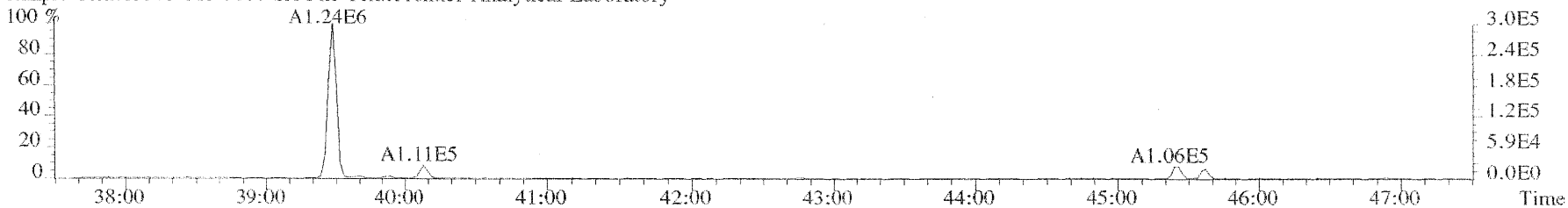
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



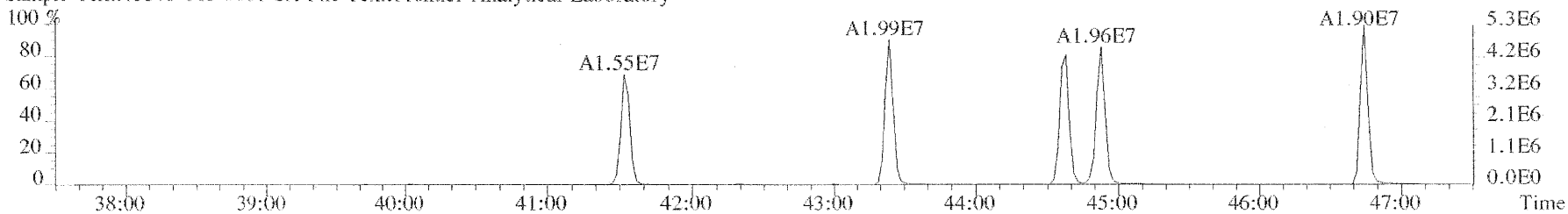
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



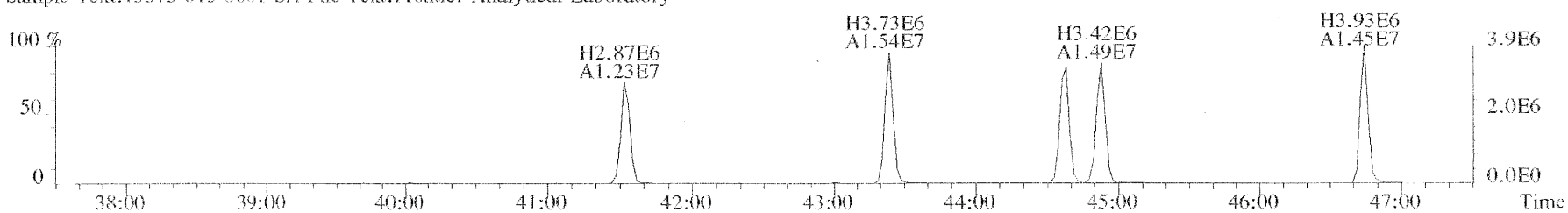
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



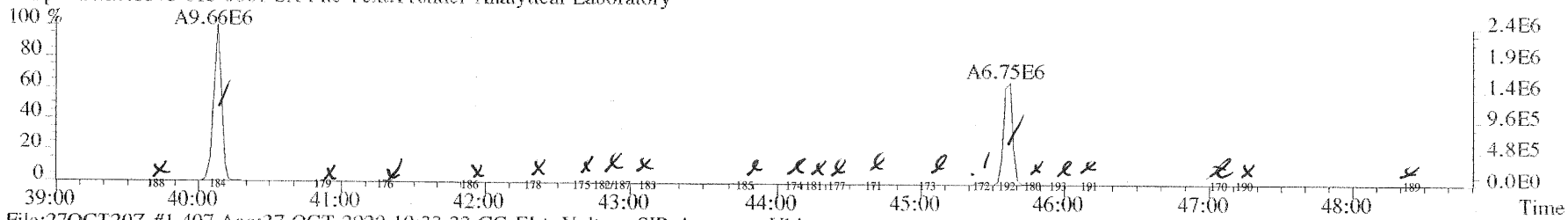
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



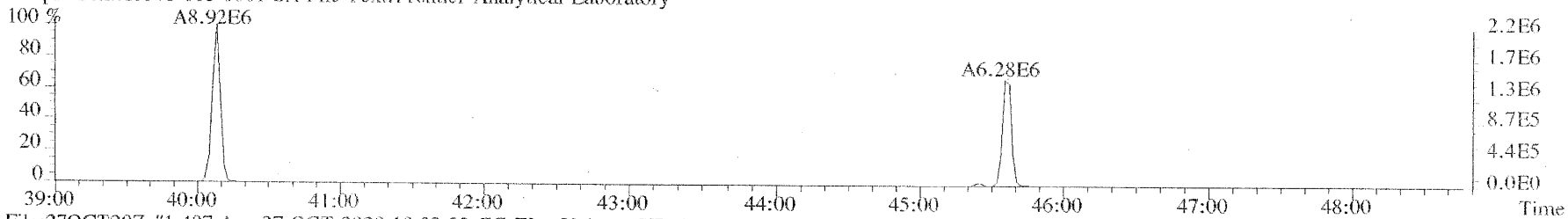
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



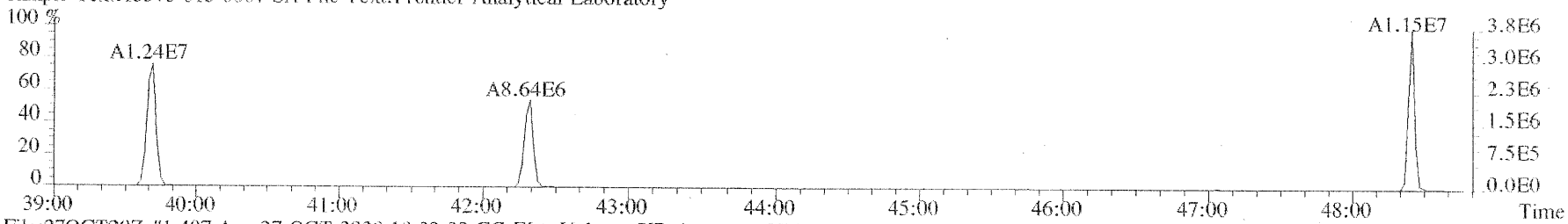
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



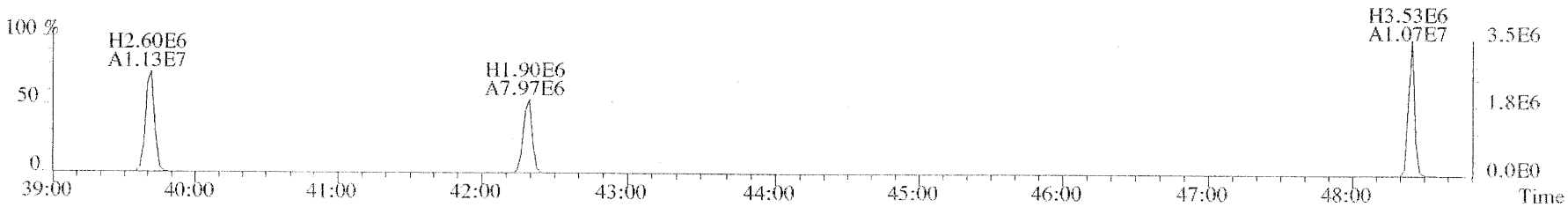
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



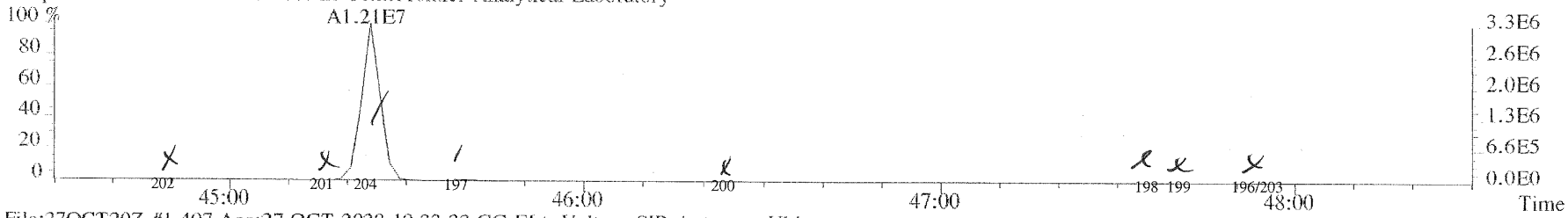
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



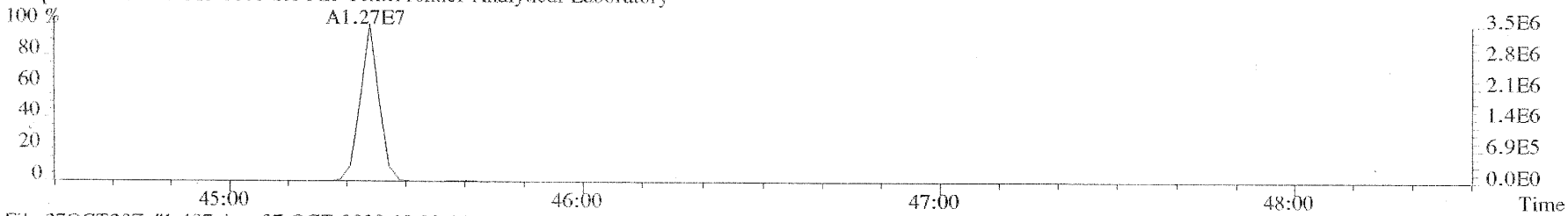
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



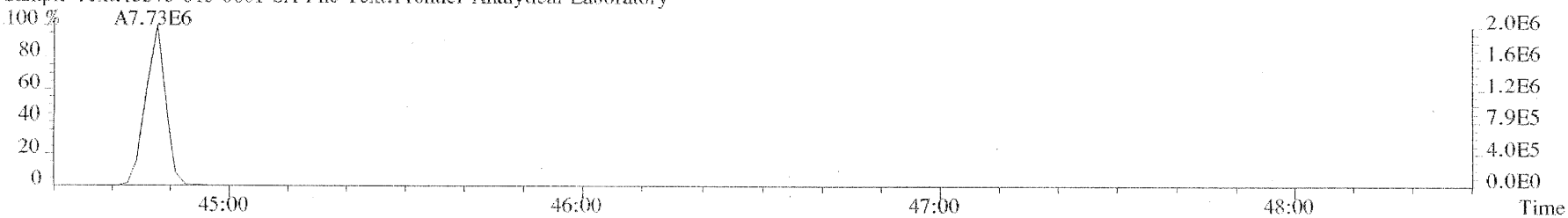
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



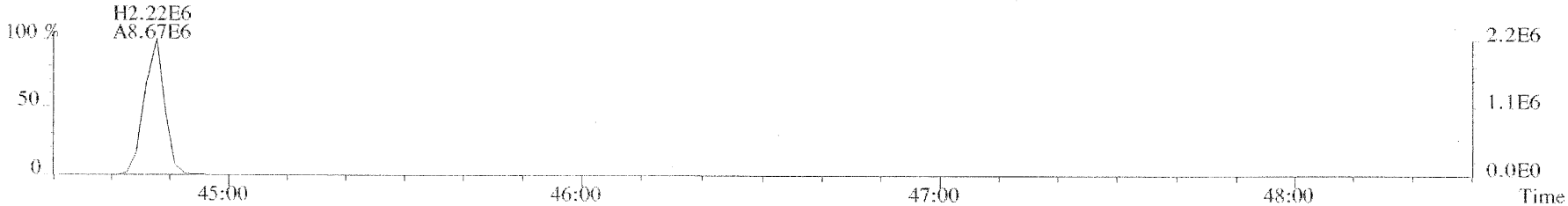
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



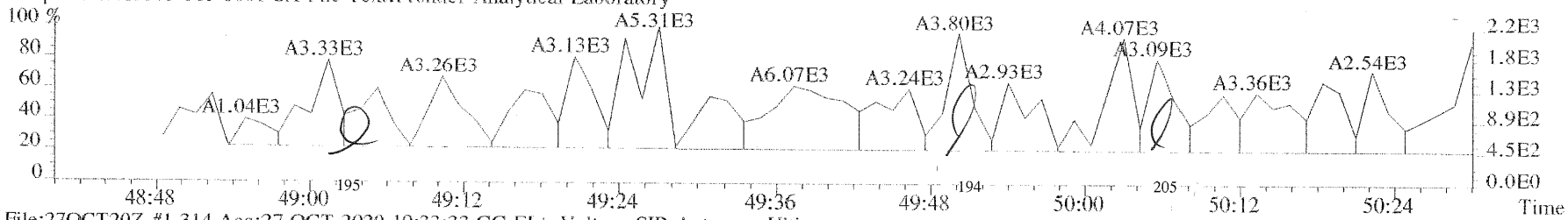
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



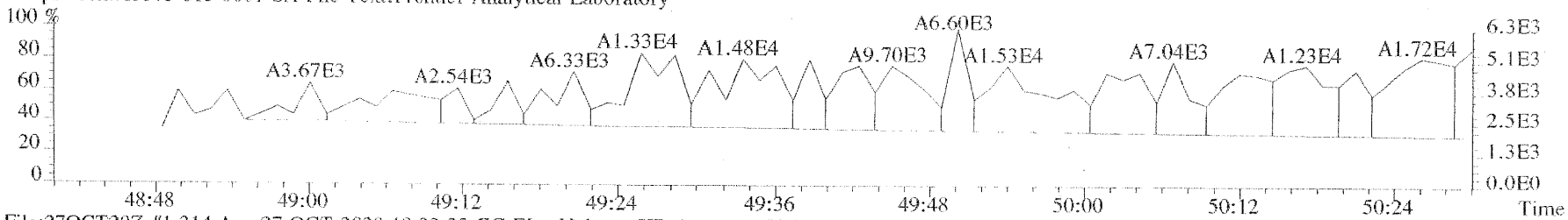
File:27OCT20Z #1-407 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



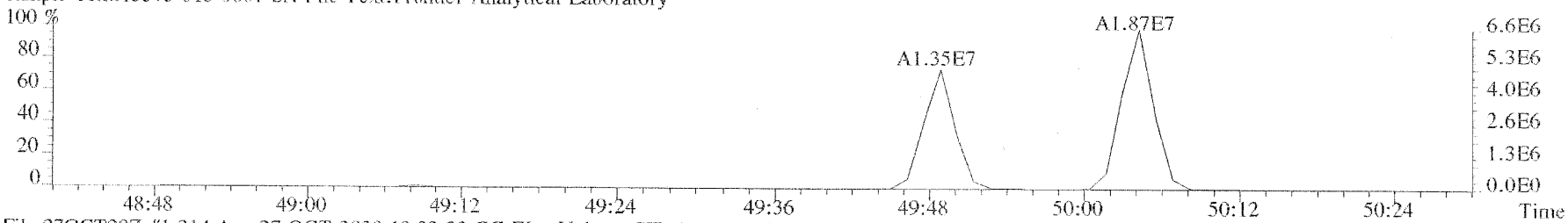
File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



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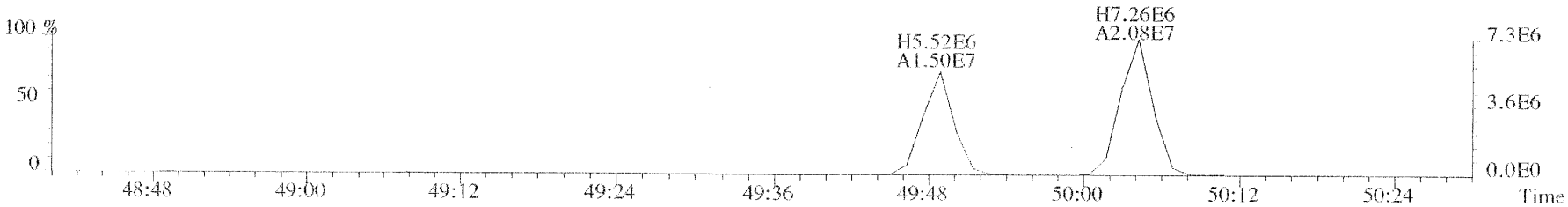
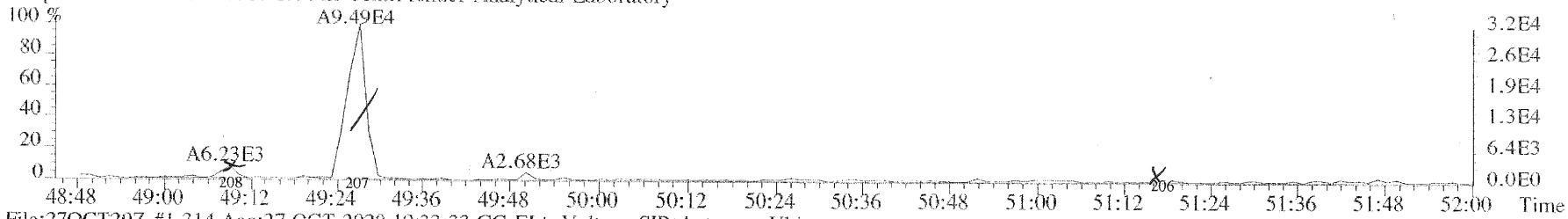
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



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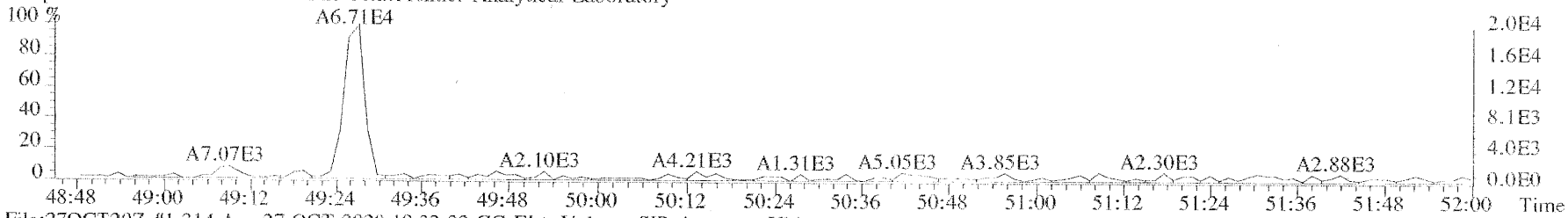
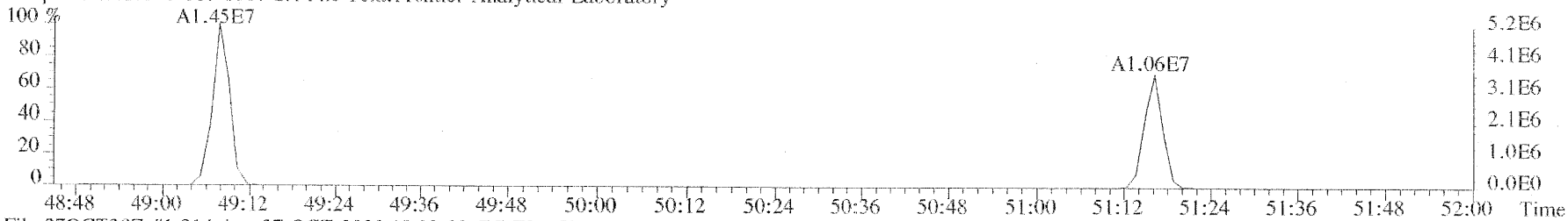
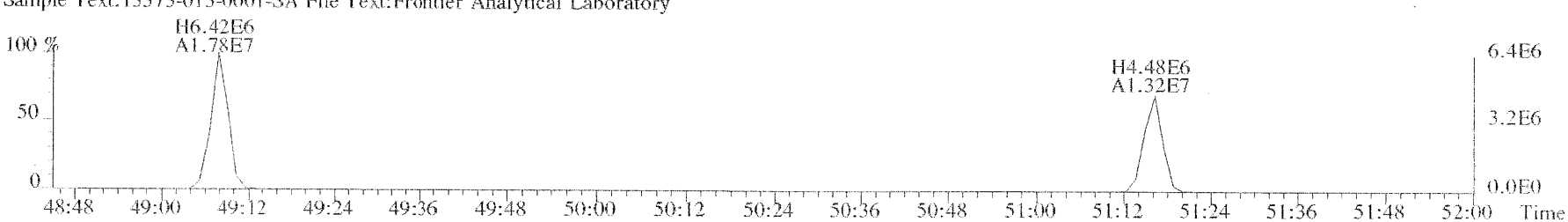
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



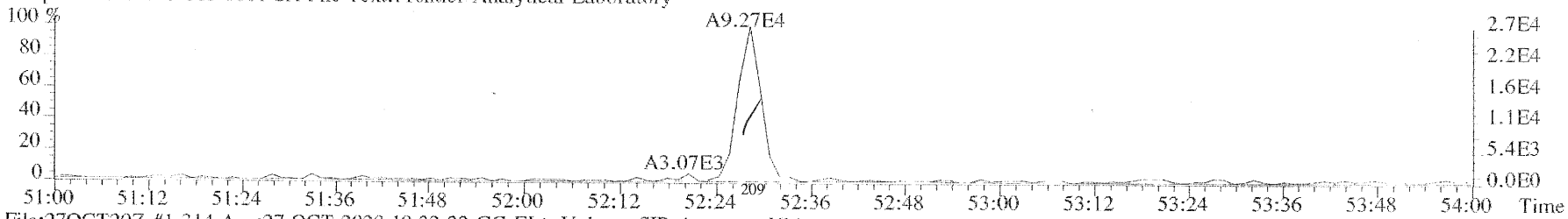
File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



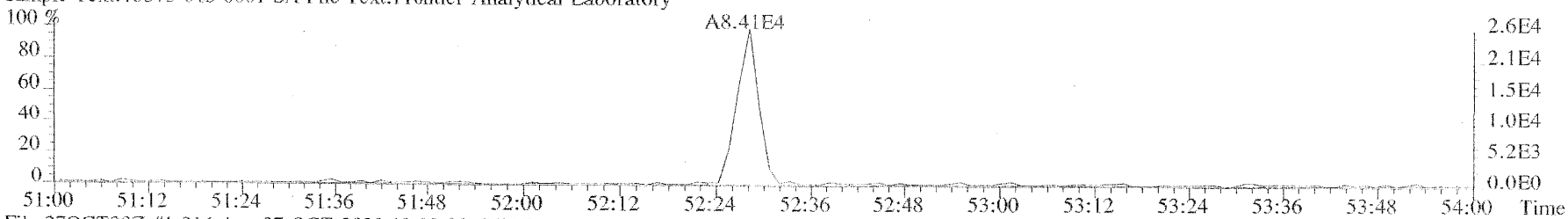
File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



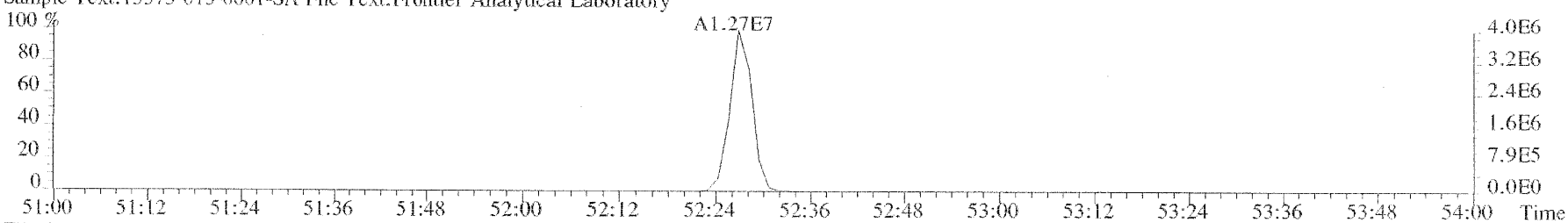
File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



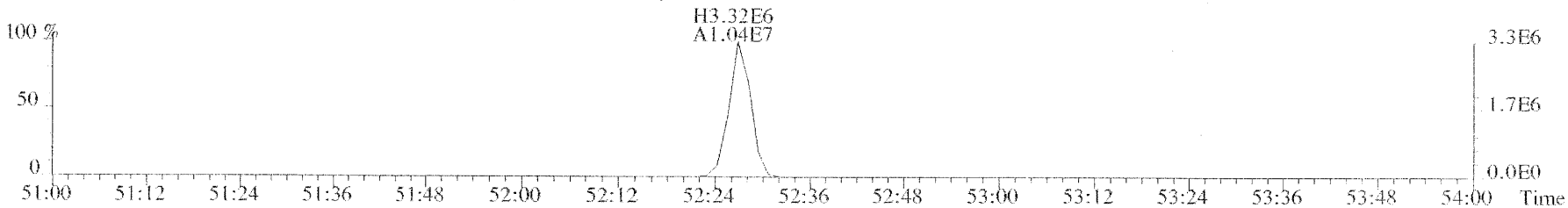
File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 10:33:33 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:13373-013-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13373-014-0001-SA Filename: 27OCT20Z Sam:6 Acquired: 27-OCT-20 11:31:54 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-LBS-WAT-S010-SPME ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 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	1.37	*		1210	856	5.00			
13C-PCB-1	2.35e+07	3.21 y	14:31	0.75	9860					98.6	5.81e+06	1.78e+06
PCB-2	*	* n	NotFnd	1.38	*		1210	856	5.37			
PCB-3	*	* n	NotFnd	1.35	*		1210	856	5.92			
13C-PCB-3	2.29e+07	3.23 y	16:58	0.74	9720					97.2	5.01e+06	1.49e+06
PCB-4	*	* n	NotFnd	1.14	*		756	3060	12.5			
PCB-10	*	* n	NotFnd	1.41	*		756	3060	9.63			
13C-PCB-4	2.26e+07	1.64 y	18:12	0.64	11100					111	4.12e+06	2.57e+06
PCB-9	*	* n	NotFnd	1.43	*		756	3060	9.49			
PCB-7	*	* n	NotFnd	1.37	*		756	3060	9.91			
PCB-6	*	* n	NotFnd	1.39	*		756	3060	9.81			
PCB-8	*	* n	NotFnd	1.40	*		756	3060	9.72			
PCB-5	*	* n	NotFnd	1.45	*		756	3060	9.38			
PCB-14	3.66e+06	1.47 y	21:57	1.46	913		-	-	*			
PCB-11	1.94e+05	1.42 y	23:05	1.39	50.6		-	-	*			
PCB-13	*	* n	NotFnd	1.42	*		756	3060	9.56			
PCB-12	*	* n	NotFnd	1.43	*		756	3060	9.54			
PCB-15	*	* n	NotFnd	1.23	*		756	3060	10.7			
13C-PCB-15	3.25e+07	1.60 y	23:44	1.07	9570					95.7	4.48e+06	2.77e+06
PCB-19	*	* n	NotFnd	1.35	*		1260	508	9.39			
PCB-30	*	* n	NotFnd	2.05	*		1260	508	6.16			
PCB-18	*	* n	NotFnd	1.44	*		1260	508	8.81			
PCB-17	*	* n	NotFnd	1.51	*		1260	508	8.35			
PCB-27	*	* n	NotFnd	1.99	*		1260	508	6.34			
PCB-24	*	* n	NotFnd	1.96	*		1260	508	6.46			
PCB-16	*	* n	NotFnd	1.60	*		1260	508	7.89			
PCB-32	*	* n	NotFnd	1.78	*		1260	508	7.12			
13C-PCB-19	1.28e+07	1.11 y	22:04	0.39	10400					104	1.82e+06	1.67e+06
13C-PCB-9	3.17e+07	1.64 y	19:52	-	54.4							
PCB-34	*	* n	NotFnd	1.14	*		870	784	6.10			
PCB-23	*	* n	NotFnd	1.29	*		870	784	5.37			
PCB-29	*	* n	NotFnd	1.28	*		870	784	5.42			
PCB-26	*	* n	NotFnd	1.26	*		870	784	5.50			
PCB-25	*	* n	NotFnd	1.19	*		870	784	5.86			
PCB-31	*	* n	NotFnd	1.33	*		870	784	5.21			
PCB-28	*	* n	NotFnd	1.36	*		870	784	5.10			
PCB-20	*	* n	NotFnd	1.20	*		870	784	5.79		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.20	*		870	784	5.79		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.20	*		870	784	5.79		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.29	*		870	784	5.40			
PCB-36	3.47e+06	1.07 y	28:18	1.27	971		-	-	*			
PCB-39	*	* n	NotFnd	1.28	*		870	784	5.42			
PCB-38	*	* n	NotFnd	1.34	*		870	784	5.17			
PCB-35	*	* n	NotFnd	1.23	*		870	784	5.63			
PCB-37	*	* n	NotFnd	1.25	*		870	784	5.54			
13C-PCB-37	2.82e+07	1.08 y	30:22	1.93	10400					104	3.12e+06	2.83e+06

PCB-54	*	*	n	NotFnd	1.33	*		844	987	7.20			
PCB-50	*	*	n	NotFnd	1.10	*		844	987	8.68			
PCB-53	*	*	n	NotFnd	1.08	*		844	987	8.90			
PCB-51	*	*	n	NotFnd	1.11	*		844	987	8.67			
PCB-45	*	*	n	NotFnd	0.96	*		844	987	9.97			
PCB-46	*	*	n	NotFnd	0.92	*		844	987	10.5			
PCB-52	2.80e+04	0.86	y	28:59	1.11	13.8	J	-	-	*	Co-elute PCB 69		
PCB-69	2.80e+04	0.86	y	28:59	1.11	13.8	J	-	-	*	Co-elute PCB 52		
PCB-73	4.52e+04	0.83	y	29:05	1.45	17.2	J	-	-	*			
PCB-43	*	*	n	NotFnd	1.05	*		844	987	9.15	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.05	*		844	987	9.15	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.09	*		844	987	8.83			
PCB-48	*	*	n	NotFnd	1.31	*		844	987	7.32	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.31	*		844	987	7.32	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		844	987	7.11			
PCB-62	*	*	n	NotFnd	1.35	*		844	987	7.11			
PCB-44	*	*	n	NotFnd	0.91	*		844	987	10.5			
PCB-42	*	*	n	NotFnd	1.13	*		844	987	8.49	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.13	*		844	987	8.49	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.27	*		844	987	7.56	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.27	*		844	987	7.56	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.27	*		844	987	7.56	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.27	*		844	987	7.56	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.48	*		844	987	6.49			
PCB-40	*	*	n	NotFnd	0.82	*		844	987	11.7			
PCB-57	*	*	n	NotFnd	1.40	*		844	987	6.84			
PCB-67	*	*	n	NotFnd	1.44	*		844	987	6.63			
PCB-58	*	*	n	NotFnd	1.35	*		844	987	7.07			
PCB-63	*	*	n	NotFnd	1.41	*		844	987	6.78			
PCB-74	*	*	n	NotFnd	1.44	*		844	987	6.67			
PCB-61	*	*	n	NotFnd	1.29	*		844	987	7.40	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.29	*		844	987	7.40	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.45	*		844	987	6.60	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.45	*		844	987	6.60	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.63	*		844	987	5.89			
PCB-55	8.73e+04	0.86	y	33:30	1.44	33.4		-	-	*			
13C-PCB-54	1.82e+07	0.82	y	25:36	1.12	11500					115	2.13e+06	2.66e+06
PCB-104	3.34e+06	1.57	y	30:04	1.23	2460		-	-	*			
PCB-96	*	*	n	NotFnd	1.21	*		432	516	7.34			
PCB-103	*	*	n	NotFnd	1.03	*		432	516	8.58			
PCB-100	*	*	n	NotFnd	1.04	*		432	516	8.53			
PCB-94	*	*	n	NotFnd	0.87	*		432	516	10.2			
PCB-98	*	*	n	NotFnd	0.86	*		432	516	10.3	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*		432	516	10.3	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	1.01	*		432	516	8.77			
PCB-93	*	*	n	NotFnd	0.86	*		432	516	10.3			
PCB-88	*	*	n	NotFnd	0.96	*		432	516	9.18	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.96	*		432	516	9.18	Co-elute PCB 88		
PCB-121	4.52e+06	1.56	y	33:30	1.15	3560		-	-	*			
13C-PCB-104	1.10e+07	1.61	y	30:03	0.70	11100					111	1.65e+06	1.03e+06
13C-PCB-28	3.10e+07	1.08	y	26:41	2.24	9860					98.6	3.67e+06	3.33e+06
13C-PCB-52	1.40e+07	0.82	y	28:57	-	51.5							

PCB-56	*	*	n	NotFnd	1.24	*	1080	2380	14.6			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.24	*	1080	2380	14.6			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.31	*	1080	2380	13.8			
PCB-78	8.77e+06	0.80	y	35:38	1.31	2960	-	-	*			
PCB-81	*	*	n	NotFnd	1.37	*	1080	2380	13.0			
13C-PCB-81	2.21e+07	0.81	y	36:07	1.87	9910				99.1	2.12e+06	2.75e+06
PCB-77	*	*	n	NotFnd	1.25	*	1080	2380	14.6			
13C-PCB-77	2.30e+07	0.81	y	36:41	1.90	10100				101	2.11e+06	2.66e+06
PCB-155	5.60e+06	1.28	y	34:13	1.14	4050	-	-	*			
PCB-150	*	*	n	NotFnd	1.15	*	604	540	8.10			
PCB-152	*	*	n	NotFnd	1.12	*	604	540	8.31			
PCB-145	*	*	n	NotFnd	1.10	*	604	540	8.46			
PCB-136	*	*	n	NotFnd	1.05	*	604	540	8.82			
PCB-148	*	*	n	NotFnd	0.92	*	604	540	10.1			
PCB-154	*	*	n	NotFnd	1.01	*	604	540	9.14			
13C-PCB-155	1.21e+07	1.30	y	34:12	0.94	10700				107	1.72e+06	1.36e+06
13C-PCB-111	1.42e+07	1.64	y	36:16	1.27	9400				94.0	2.09e+06	1.28e+06
13C-PCB-101	1.20e+07	1.64	y	34:38	-	52.3						
PCB-84	*	*	n	NotFnd	0.61	*	687	654	10.6			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.61	*	687	654	10.6			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.59	*	687	654	10.9			
PCB-90	*	*	n	NotFnd	0.69	*	687	654	9.32			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.69	*	687	654	9.32			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.82	*	687	654	7.88			
PCB-99	*	*	n	NotFnd	0.74	*	687	654	8.73			
PCB-119	*	*	n	NotFnd	0.91	*	687	654	7.07			
PCB-83	*	*	n	NotFnd	0.72	*	687	654	8.97			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.72	*	687	654	8.97			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.84	*	687	654	7.63			
PCB-97	*	*	n	NotFnd	0.60	*	687	654	10.8			
PCB-86	*	*	n	NotFnd	0.57	*	687	654	11.4			
PCB-125	*	*	n	NotFnd	0.81	*	687	654	7.92			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.81	*	687	654	7.92			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.81	*	687	654	7.92			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.89	*	687	654	7.27			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.89	*	687	654	7.27			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.77	*	687	654	8.37			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.77	*	687	654	8.37			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.94	*	687	654	6.87			
PCB-110	*	*	n	NotFnd	0.89	*	687	654	7.23			
PCB-82	*	*	n	NotFnd	0.56	*	687	654	11.5			
PCB-124	*	*	n	NotFnd	1.25	*	952	810	6.78			
PCB-108	*	*	n	NotFnd	1.18	*	952	810	7.17			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.18	*	952	810	7.17			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.08	*	952	810	7.81			
13C-PCB-123	2.19e+07	1.58	y	38:19	1.54	10400				104	3.25e+06	2.01e+06
PCB-118	*	*	n	NotFnd	1.17	*	952	810	6.61			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.17	*	952	810	6.61			Co-elute PCB 118
13C-PCB-118	2.42e+07	1.64	y	38:29	1.60	11100				111	3.50e+06	2.19e+06
PCB-114	*	*	n	NotFnd	1.19	*	952	810	7.63			
13C-PCB-114	2.30e+07	1.66	y	39:07	1.57	10700				107	3.07e+06	1.81e+06
PCB-122	*	*	n	NotFnd	1.23	*	952	810	6.92			
PCB-105	*	*	n	NotFnd	1.24	*	952	810	7.05			
13C-PCB-105	2.24e+07	1.60	y	39:55	1.52	10800				108	3.07e+06	1.94e+06

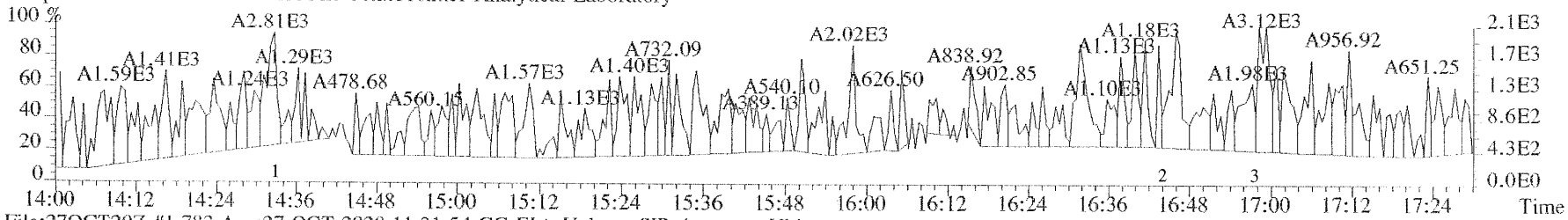
PCB-127	*	*	n	NotFnd	1.16	*		952	810	7.30			
PCB-126	*	*	n	NotFnd	1.18	*		952	810	9.18			
13C-PCB-126	2.12e+07	1.55	y	42:01	1.57	9930					99.3	2.47e+06	1.59e+06
PCB-151	*	*	n	NotFnd	0.98	*		756	654	9.30			
PCB-135	*	*	n	NotFnd	0.91	*		756	654	9.97			
PCB-144	*	*	n	NotFnd	1.12	*		756	654	8.13			
PCB-147	*	*	n	NotFnd	1.01	*		756	654	8.97			
PCB-139	*	*	n	NotFnd	1.05	*		756	654	8.69		Co-elute PCB 149	
PCB-149	*	*	n	NotFnd	1.05	*		756	654	8.69		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	1.04	*		756	654	8.73			
PCB-143	*	*	n	NotFnd	0.89	*		756	654	10.3		Co-elute PCB 134	
PCB-134	*	*	n	NotFnd	0.89	*		756	654	10.3		Co-elute PCB 143	
PCB-131	*	*	n	NotFnd	0.89	*		756	654	10.2		Co-elute PCB 133	
PCB-133	*	*	n	NotFnd	0.89	*		756	654	10.2		Co-elute PCB 131	
PCB-142	1.01e+06	1.28	y	39:28	0.87	714		-	-	*			
PCB-165	3.48e+04	1.14	y	39:40	1.16	18.6	J	-	-	*		Co-elute PCB 146	
PCB-146	3.48e+04	1.14	y	39:40	1.16	18.6	J	-	-	*		Co-elute PCB 165	
PCB-161	3.28e+04	1.27	y	39:53	1.06	19.1	J	-	-	*		Co-elute PCB 132	
PCB-132	3.28e+04	1.27	y	39:53	1.06	19.1	J	-	-	*		Co-elute PCB 161	
PCB-153	1.04e+05	1.11	y	40:08	1.23	52.4		-	-	*			
PCB-168	*	*	n	NotFnd	1.26	*		756	654	7.22			
PCB-141	*	*	n	NotFnd	1.00	*		756	654	9.09			
PCB-137	*	*	n	NotFnd	0.98	*		756	654	9.29			
PCB-130	*	*	n	NotFnd	0.94	*		756	654	9.61			
PCB-138	*	*	n	NotFnd	1.16	*		756	654	7.86		Co-elute PCB 163/164	
PCB-163	*	*	n	NotFnd	1.16	*		756	654	7.86		Co-elute PCB 138/164	
PCB-164	*	*	n	NotFnd	1.16	*		756	654	7.86		Co-elute PCB 138/163	
PCB-158	*	*	n	NotFnd	1.32	*		756	654	6.89		Co-elute PCB 160	
PCB-160	*	*	n	NotFnd	1.32	*		756	654	6.89		Co-elute PCB 158	
PCB-129	*	*	n	NotFnd	0.85	*		756	654	10.7			
PCB-166	*	*	n	NotFnd	1.30	*		756	654	6.96			
PCB-159	*	*	n	NotFnd	1.33	*		756	654	6.82			
PCB-128	*	*	n	NotFnd	1.09	*		756	654	8.30		Co-elute PCB 162	
PCB-162	*	*	n	NotFnd	1.09	*		756	654	8.30		Co-elute PCB 128	
PCB-167	*	*	n	NotFnd	1.24	*		756	654	7.27			
13C-PCB-167	1.65e+07	1.29	y	43:24	1.14	10600					106	2.20e+06	1.72e+06
PCB-156	*	*	n	NotFnd	1.30	*		756	654	7.66			
13C-PCB-156	1.59e+07	1.31	y	44:38	1.11	10500					105	2.01e+06	1.53e+06
PCB-157	*	*	n	NotFnd	1.25	*		756	654	7.61			
13C-PCB-157	1.63e+07	1.30	y	44:52	1.11	10700					107	2.09e+06	1.62e+06
PCB-169	*	*	n	NotFnd	1.23	*		756	654	6.41			
13C-PCB-169	1.61e+07	1.29	y	46:44	1.09	10800					108	2.51e+06	1.96e+06

FAL ID: 13373-014-0001-SA Filename: 27OCT20Z Sam:6 Acquired: 27-OCT-20 11:31:54 ICal: DAILY209FAL4-10-27-20
Client ID: LDW-Y3-LBS-WAT-S010-SPME ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 1.000

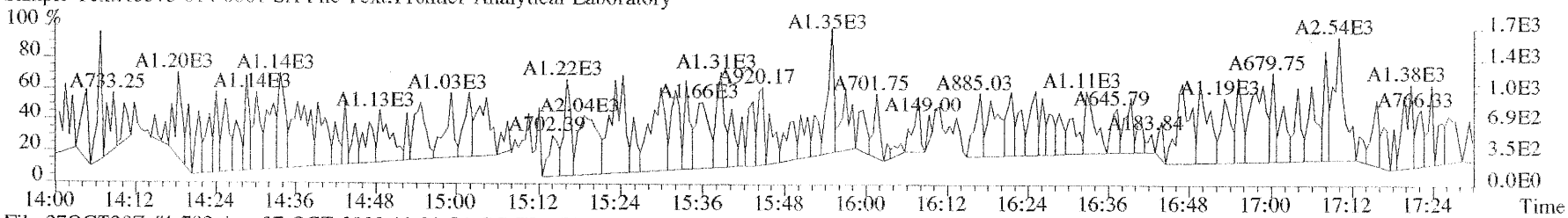
PCB-188	*	*	n	NotFnd	1.23	*	540	512	6.93				
13C-PCB-188	1.20e+07	1.09	y	39:41	0.80	11000				110	1.60e+06	1.47e+06	
PCB-184	6.80e+06	1.09	y	40:08	1.38	4280	-	-	*				
PCB-179	*	*	n	NotFnd	1.30	*	540	512	6.20				
PCB-176	*	*	n	NotFnd	1.30	*	540	512	6.21				
PCB-186	*	*	n	NotFnd	1.28	*	540	512	6.27				
PCB-178	*	*	n	NotFnd	0.94	*	540	512	8.56				
PCB-175	*	*	n	NotFnd	0.99	*	540	512	8.13				
PCB-187	*	*	n	NotFnd	1.07	*	540	512	7.52		Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.07	*	540	512	7.52		Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	1.04	*	540	512	7.74				
PCB-185	*	*	n	NotFnd	0.96	*	540	512	8.40				
PCB-174	*	*	n	NotFnd	1.01	*	540	512	7.95				
PCB-181	*	*	n	NotFnd	0.95	*	540	512	8.45				
PCB-177	*	*	n	NotFnd	0.89	*	540	512	9.02				
PCB-171	*	*	n	NotFnd	0.95	*	540	512	8.52				
PCB-173	*	*	n	NotFnd	0.86	*	540	512	9.35				
PCB-172	1.23e+05	1.12	y	45:24	0.89	120	-	-	*				
PCB-192	4.97e+06	1.10	y	45:37	1.18	3660	-	-	*				
PCB-180	*	*	n	NotFnd	0.94	*	540	512	8.53				
PCB-193	*	*	n	NotFnd	1.25	*	540	512	6.43				
PCB-191	*	*	n	NotFnd	1.23	*	540	512	6.53				
PCB-170	*	*	n	NotFnd	0.89	*	540	512	9.05				
PCB-190	*	*	n	NotFnd	1.19	*	540	512	6.77				
PCB-189	*	*	n	NotFnd	1.21	*	540	512	6.20				
13C-PCB-189	1.09e+07	1.08	y	48:25	0.73	10900				109	1.85e+06	1.66e+06	
PCB-202	*	*	n	NotFnd	1.10	*	412	480	9.89				
PCB-201	*	*	n	NotFnd	1.25	*	412	480	8.64				
PCB-204	9.00e+06	0.94	y	45:24	1.19	9640	-	-	*				
PCB-197	5.36e+04	0.93	y	45:40	1.20	56.9	-	-	*				
PCB-200	*	*	n	NotFnd	1.21	*	412	480	8.97				
PCB-198	*	*	n	NotFnd	0.81	*	412	480	13.4				
PCB-199	*	*	n	NotFnd	0.93	*	412	480	11.7				
PCB-203	*	*	n	NotFnd	0.93	*	412	480	11.7		Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	0.93	*	412	480	11.7		Co-elute PCB 203		
13C-PCB-202	7.83e+06	0.90	y	44:48	0.55	10400				104	9.93e+05	1.06e+06	
13C-PCB-178	7.75e+06	1.07	y	42:19	0.62	9080				90.8	1.00e+06	9.18e+05	
13C-PCB-138	1.37e+07	1.25	y	41:32	-	52.5							
PCB-195	*	*	n	NotFnd	0.91	*	1320	1600	11.4				
PCB-194	*	*	n	NotFnd	0.97	*	1320	1600	10.7				
PCB-205	*	*	n	NotFnd	1.17	*	1320	1600	8.86				
13C-PCB-205	2.00e+07	0.88	y	50:04	1.20	11300				113	3.38e+06	3.63e+06	
PCB-208	*	*	n	NotFnd	1.13	*	544	756	5.19				
13C-PCB-208	1.62e+07	0.81	y	49:08	0.98	11200				112	2.47e+06	3.06e+06	
PCB-207	5.89e+04	1.50	y	49:27	1.33	31.2	-	-	*				
PCB-206	*	*	n	NotFnd	1.19	*	544	756	6.91				
13C-PCB-206	1.22e+07	0.81	y	51:16	0.70	11900				119	1.78e+06	2.15e+06	
PCB-209	7.90e+04	1.31	y	52:28	1.23	53.9	-	-	*				
13C-PCB-209	1.19e+07	1.22	y	52:27	0.70	11600				116	2.16e+06	1.78e+06	
13C-PCB-194	1.47e+07	0.91	y	49:49	-	56.3							

Analyst: [illegible] Date: 10/30/20

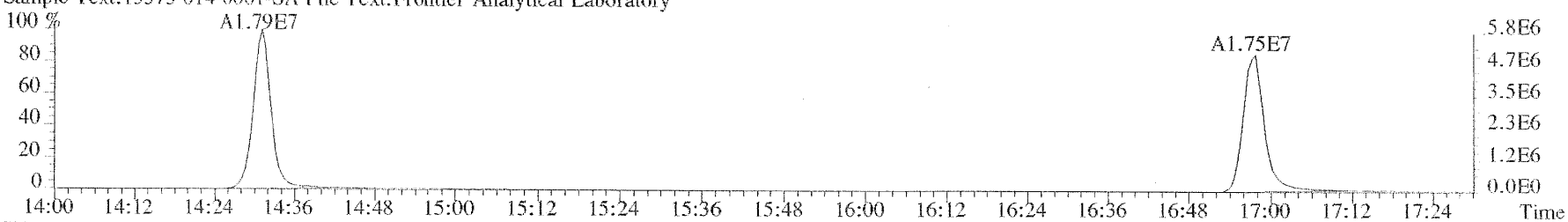
File:27OCT20Z #1-783 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



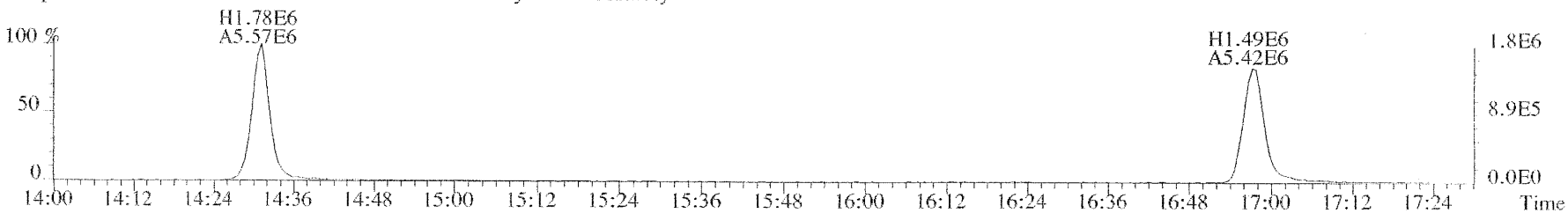
File:27OCT20Z #1-783 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



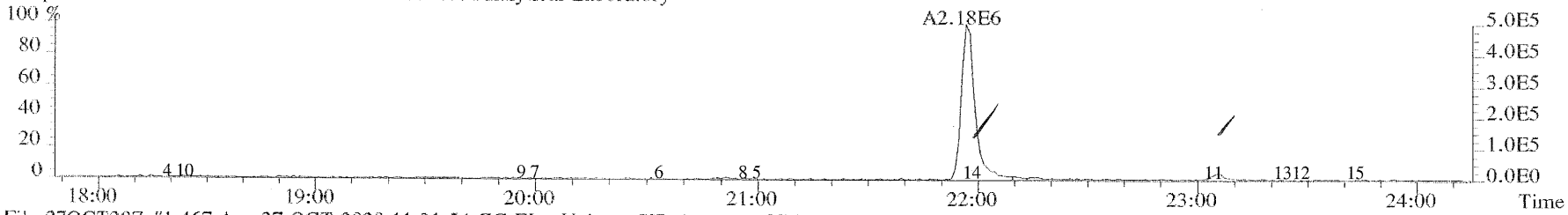
File:27OCT20Z #1-783 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



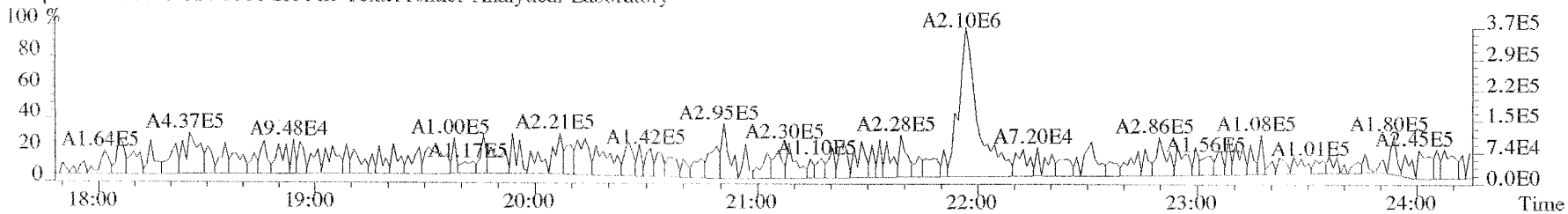
File:27OCT20Z #1-783 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



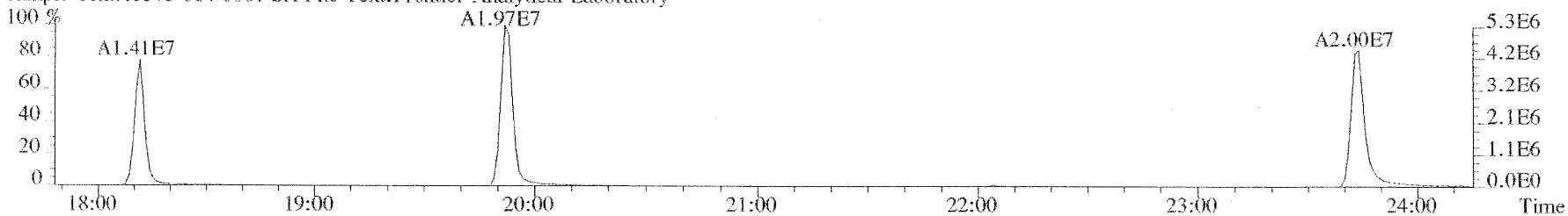
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



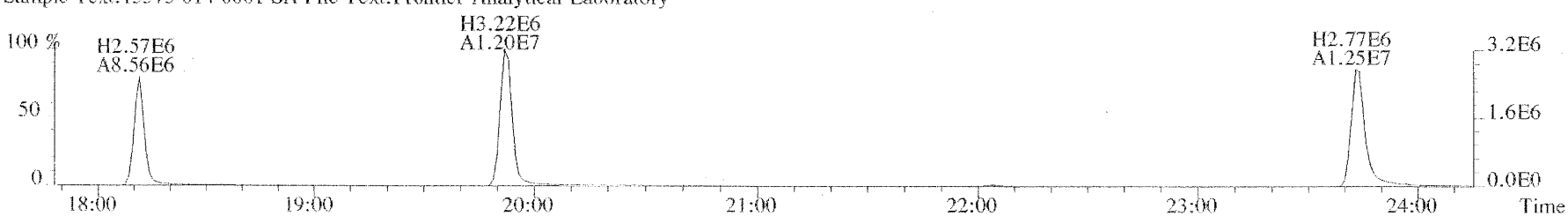
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



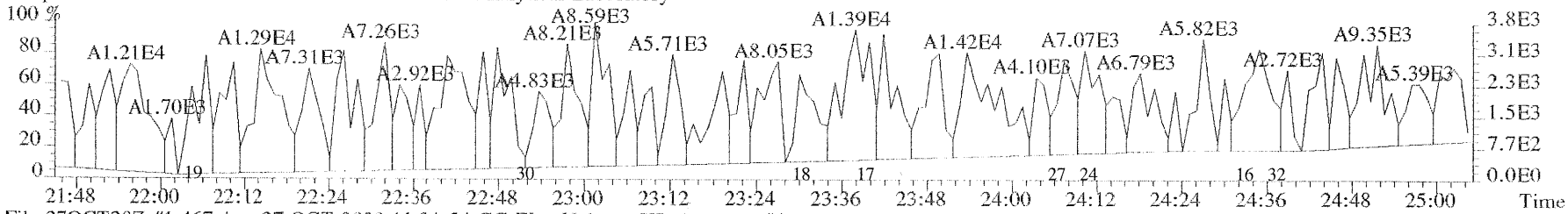
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



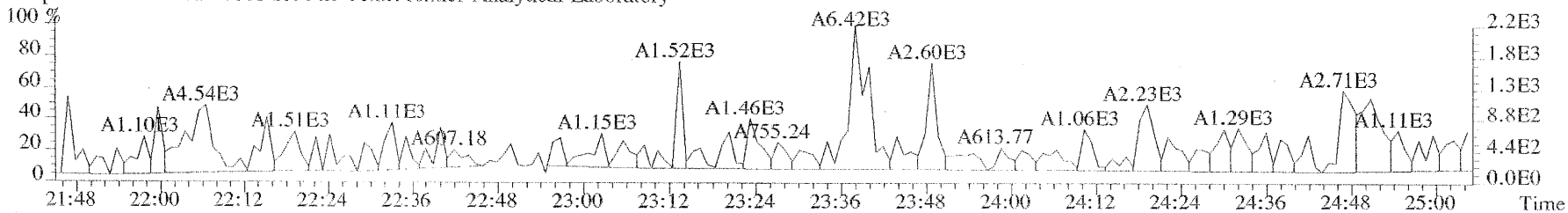
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



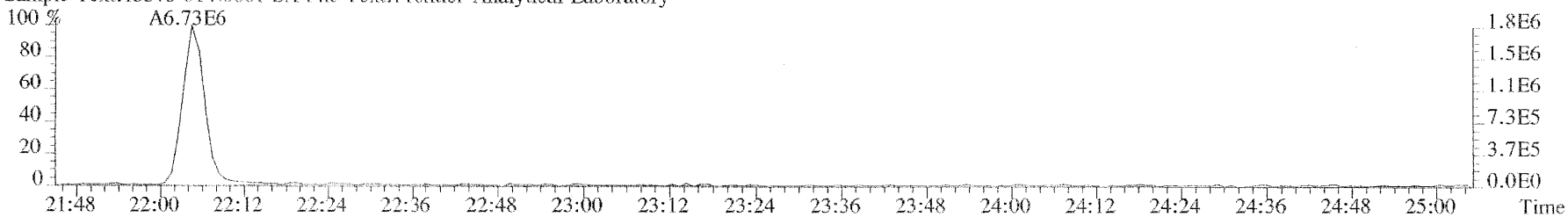
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



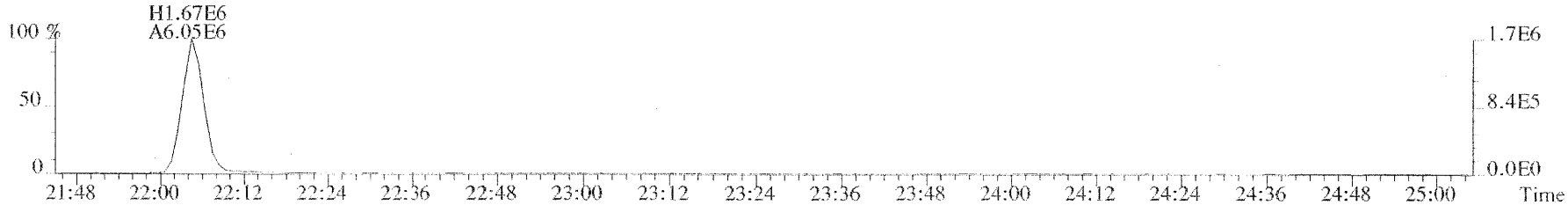
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



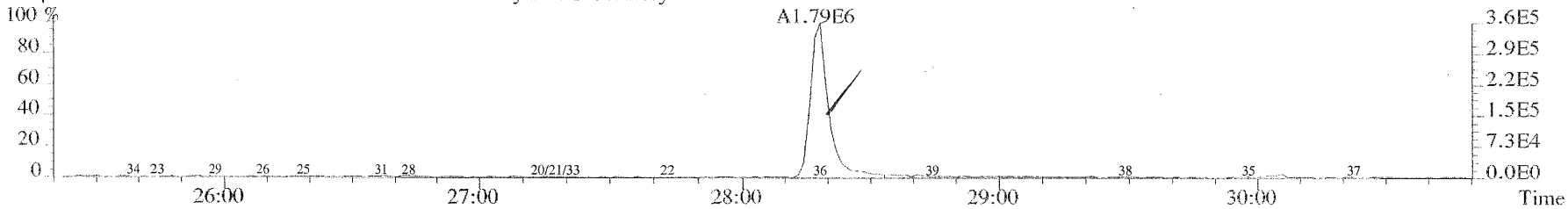
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



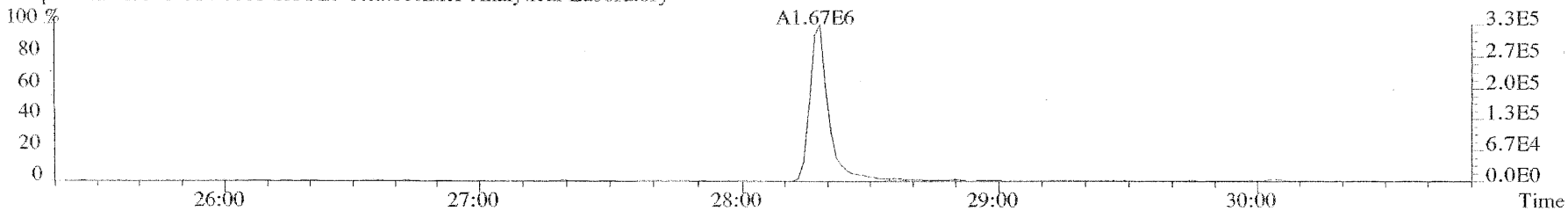
File:27OCT20Z #1-467 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



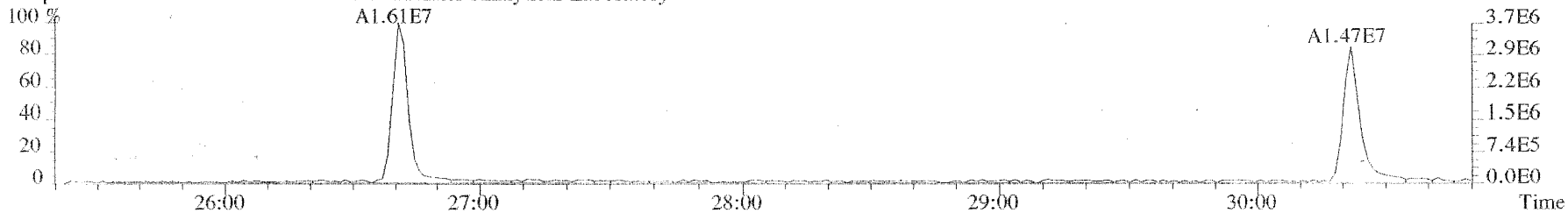
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



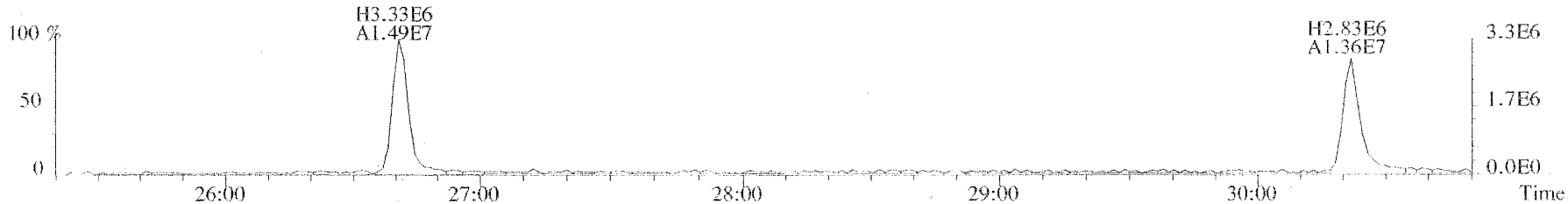
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



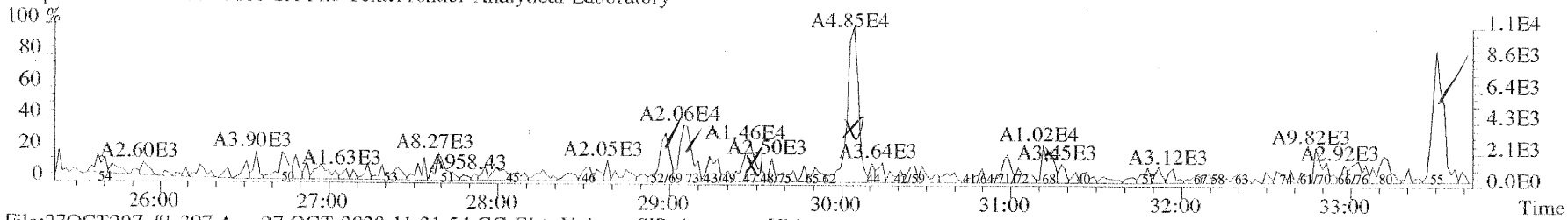
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



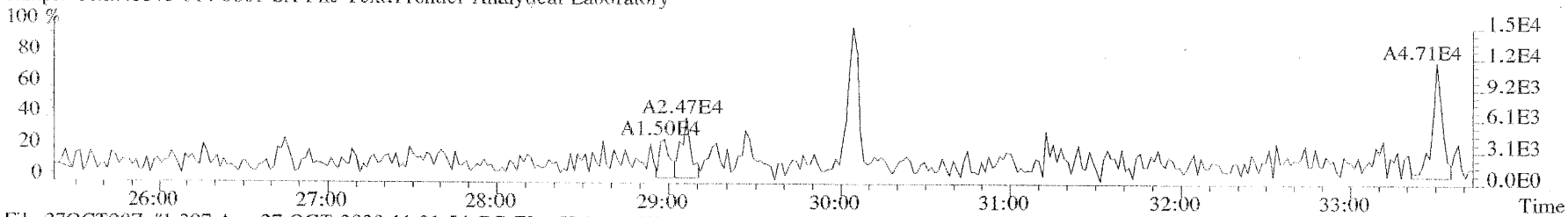
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



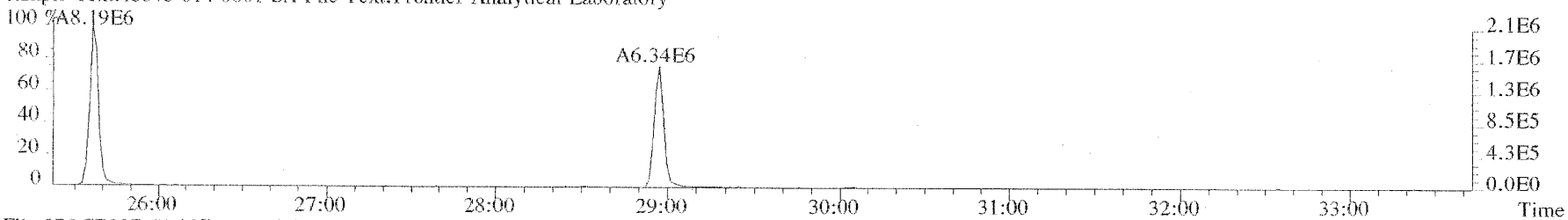
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



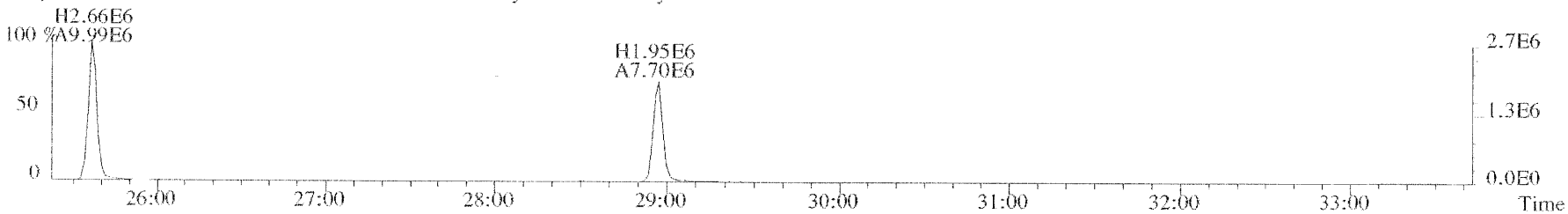
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



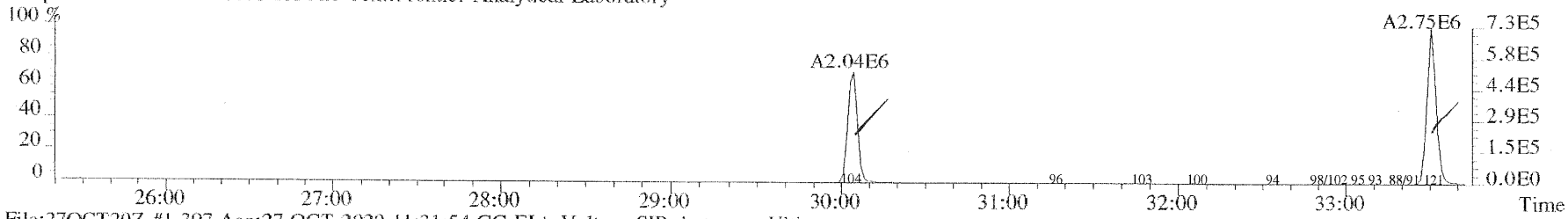
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



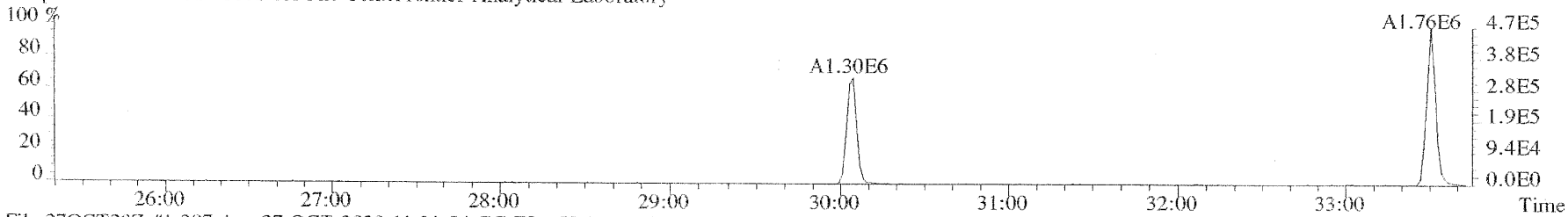
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



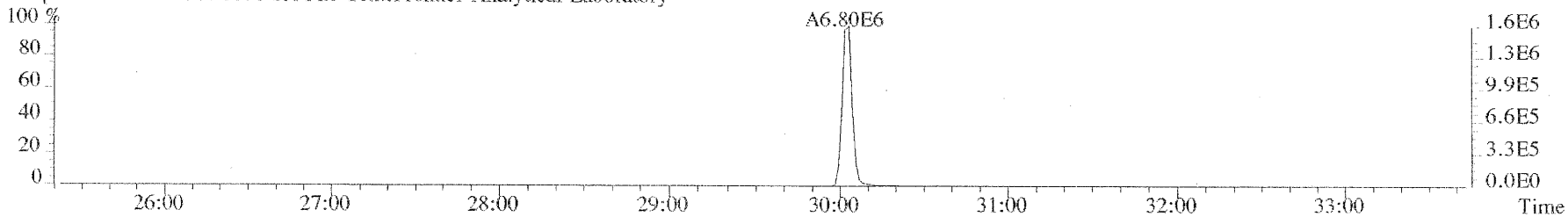
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



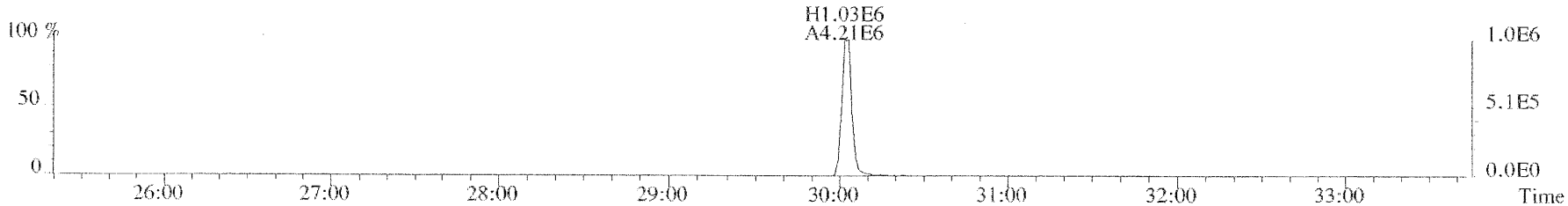
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



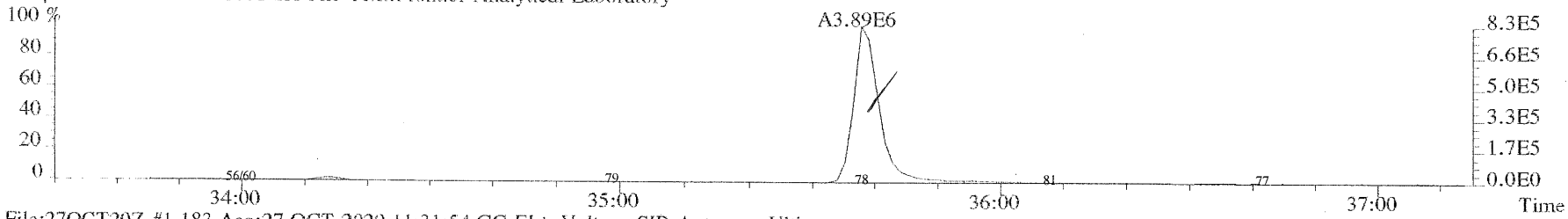
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



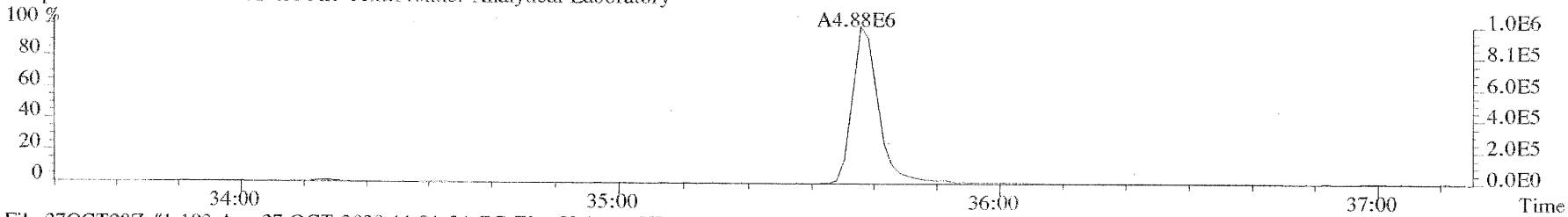
File:27OCT20Z #1-397 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



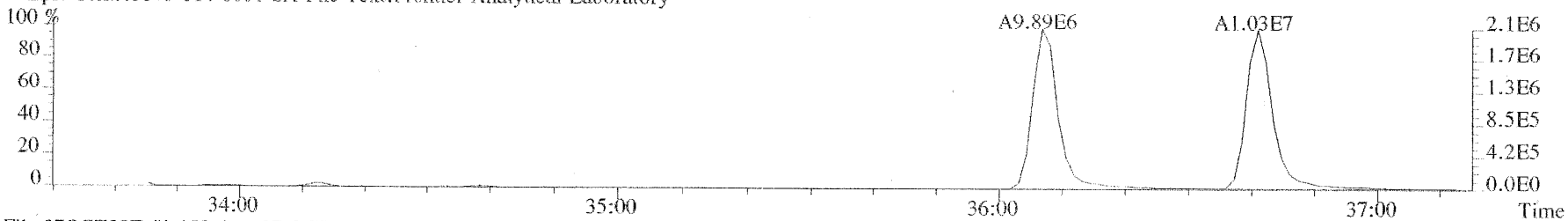
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



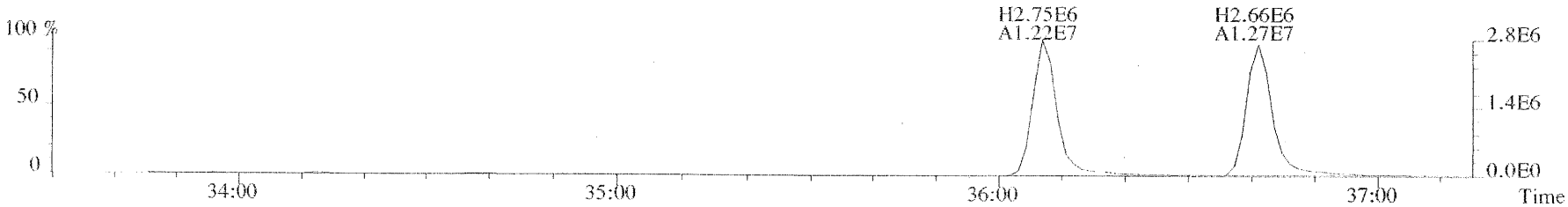
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



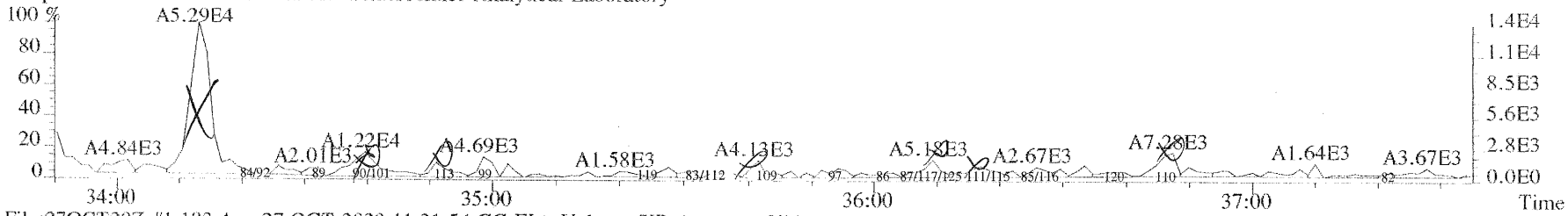
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



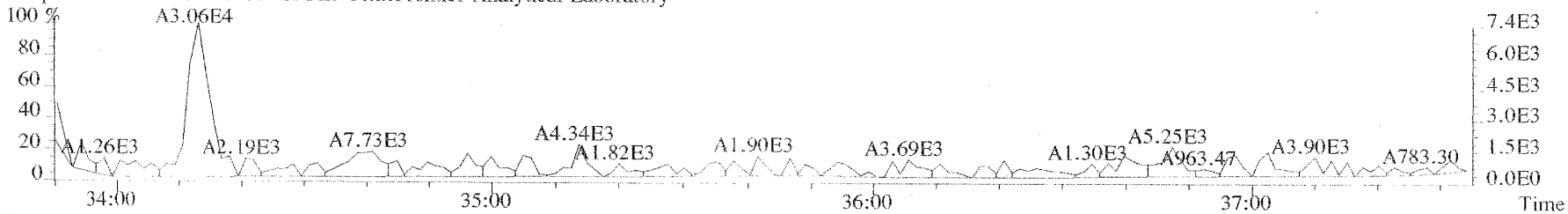
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



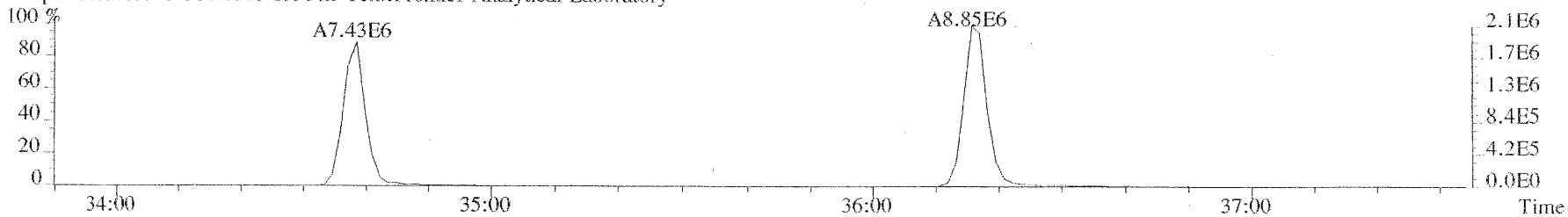
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



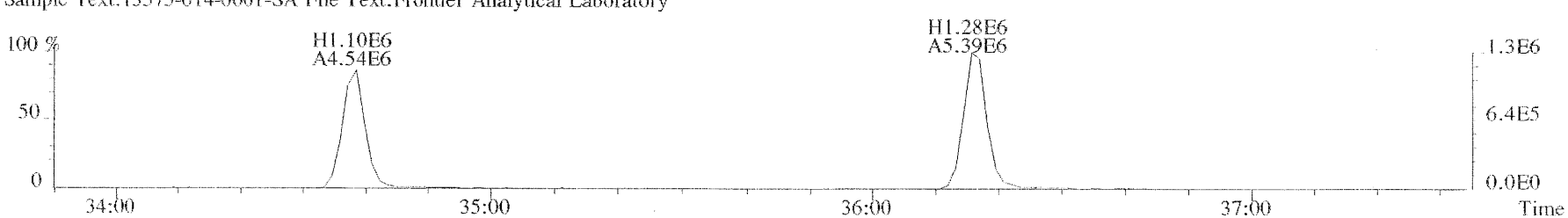
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



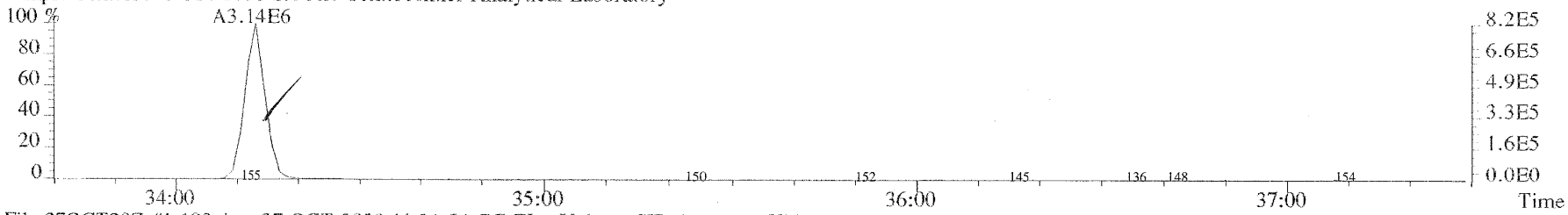
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



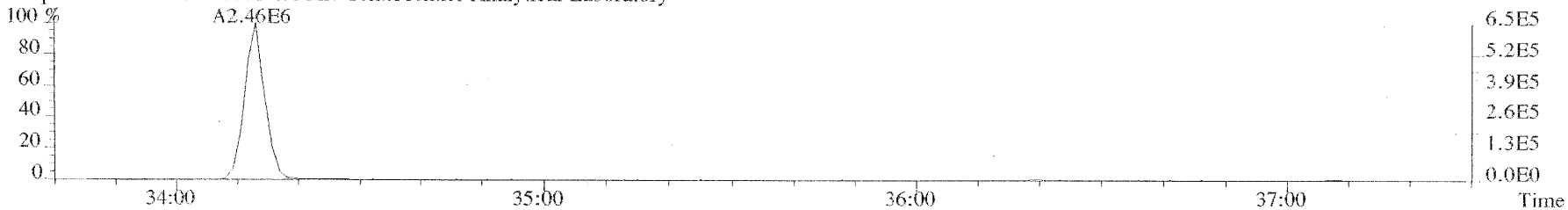
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



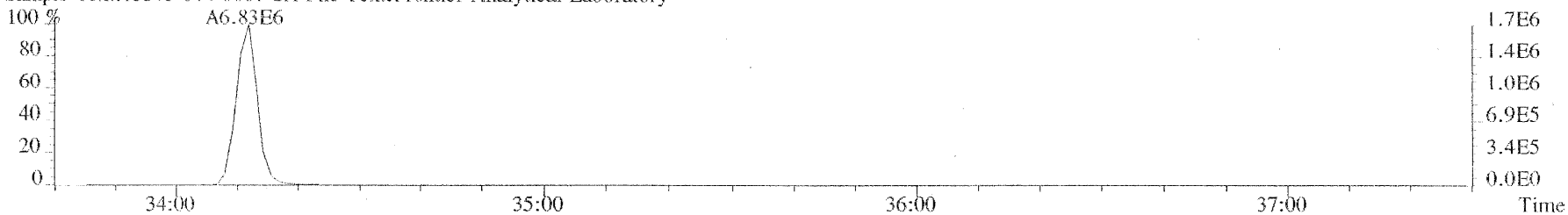
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



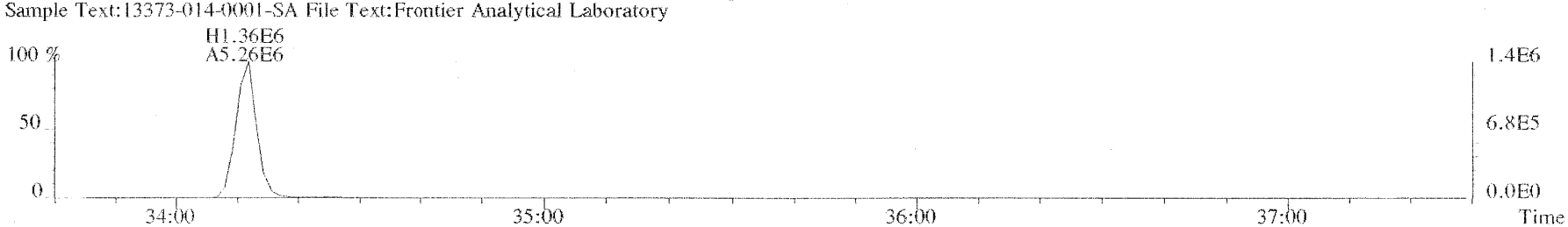
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



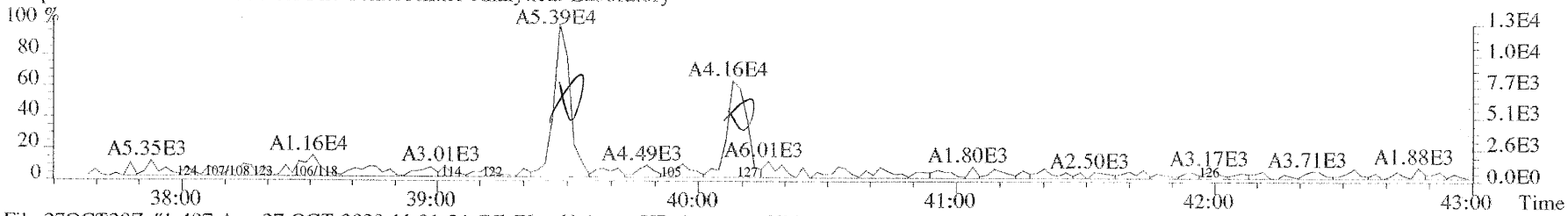
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



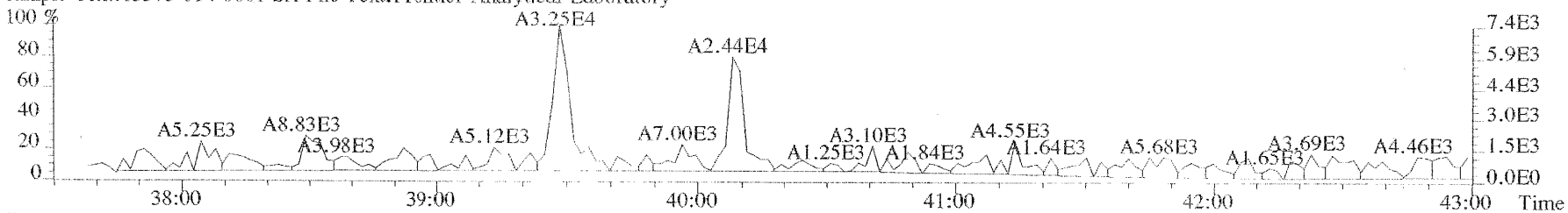
File:27OCT20Z #1-183 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



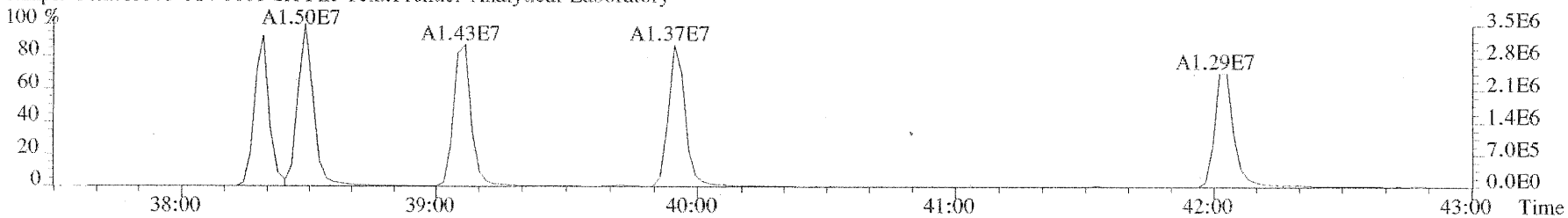
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



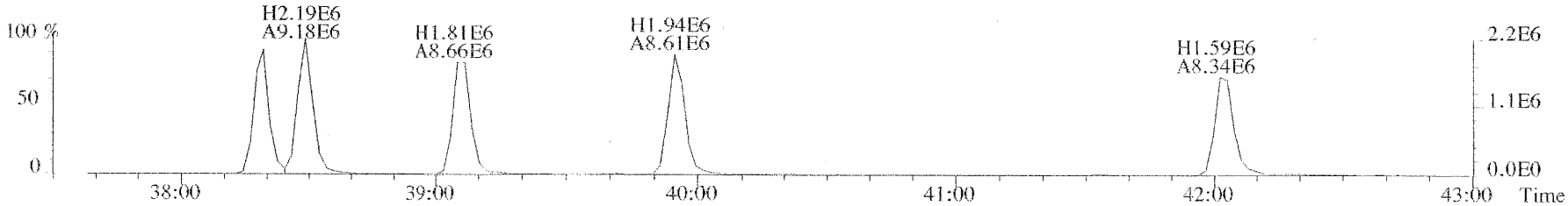
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



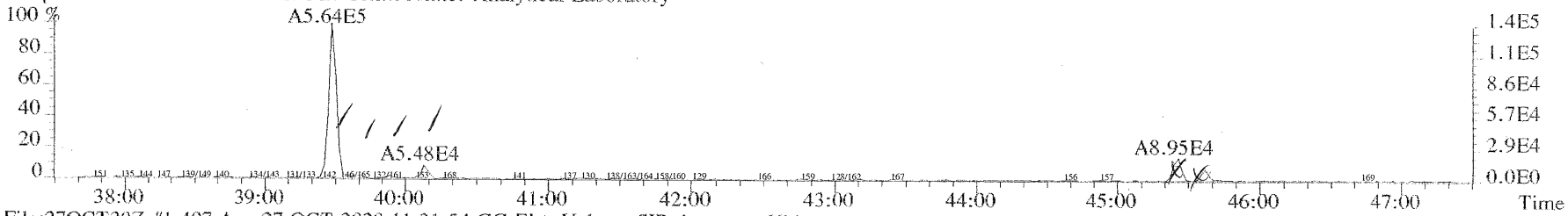
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



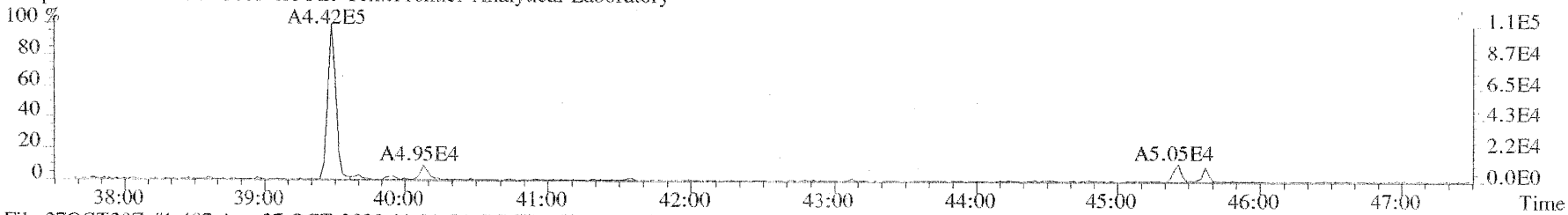
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



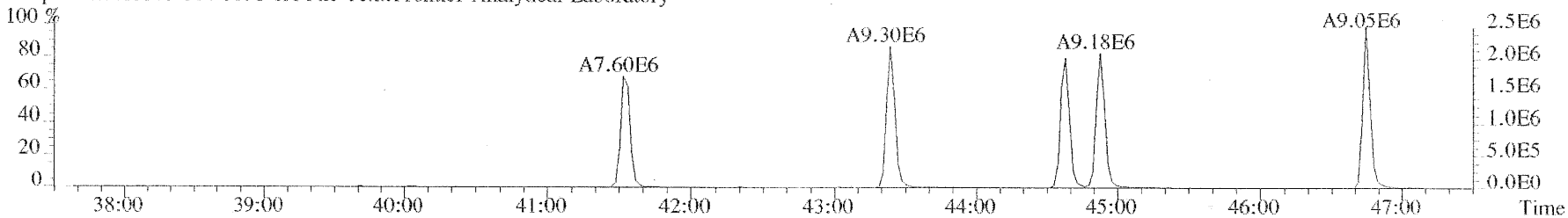
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



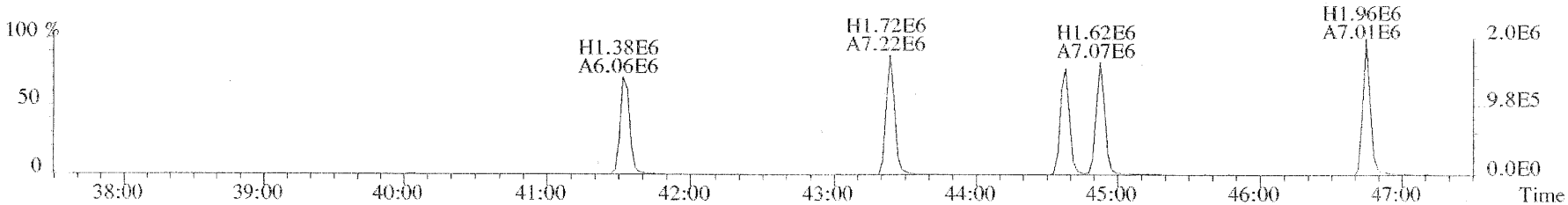
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



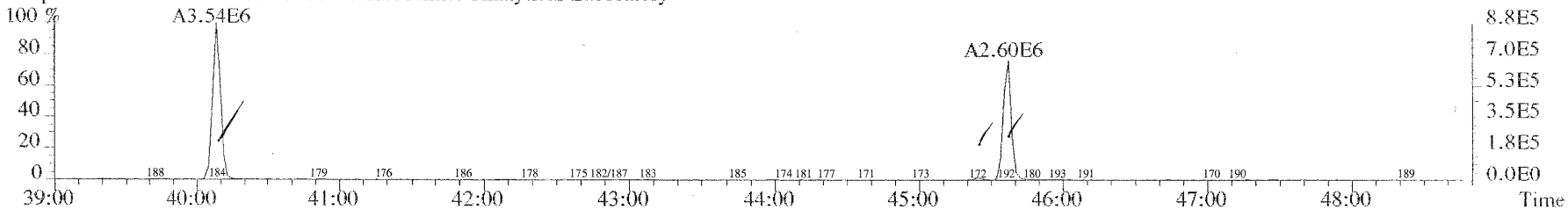
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



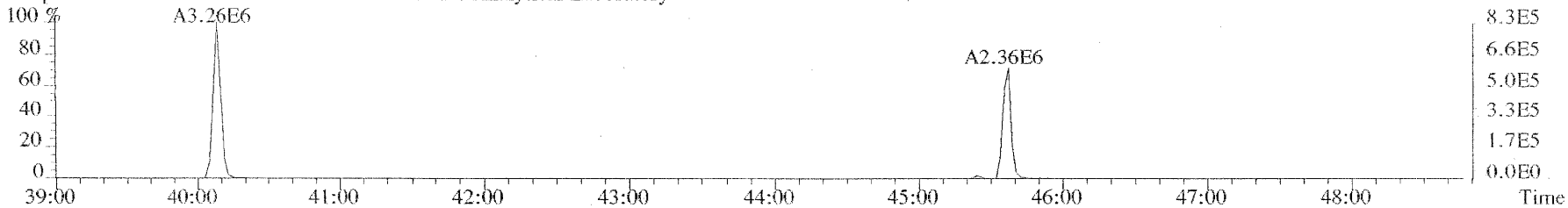
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



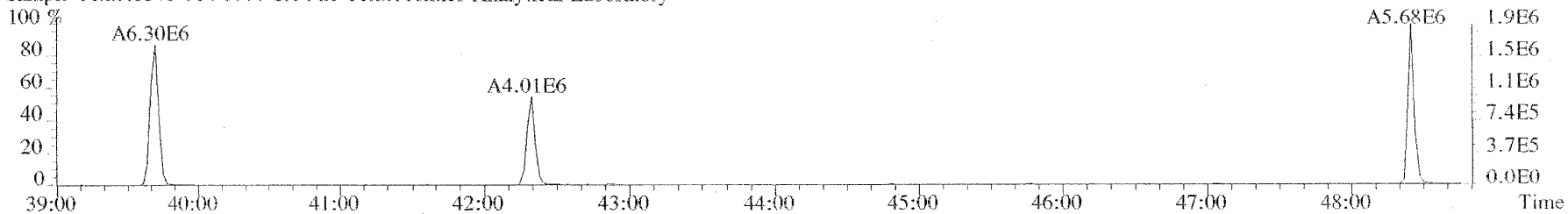
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



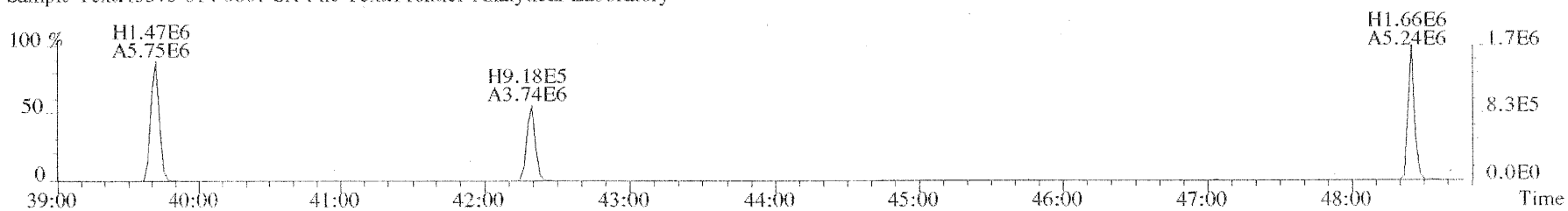
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



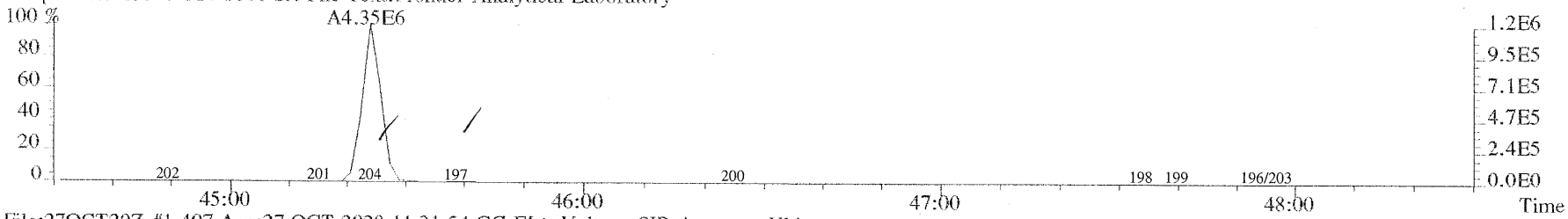
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 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:13373-014-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 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:13373-014-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
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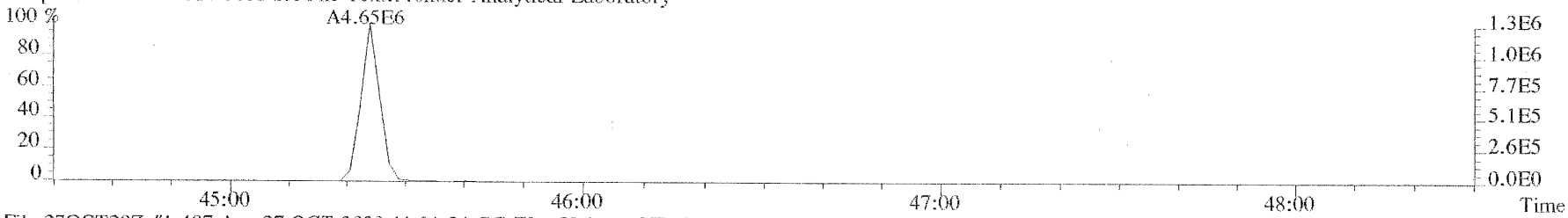
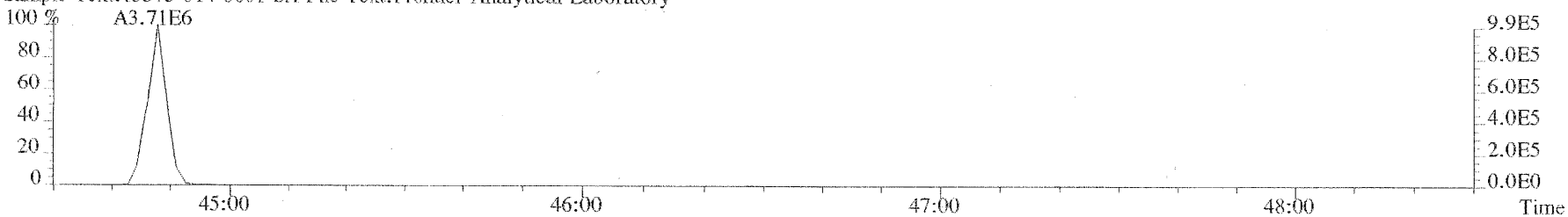
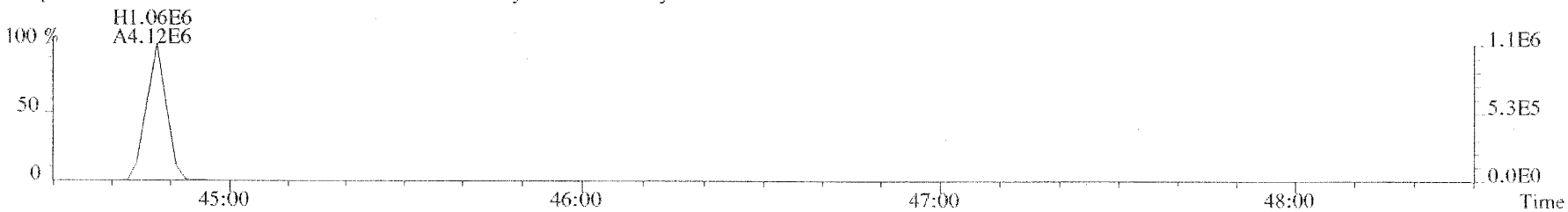
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



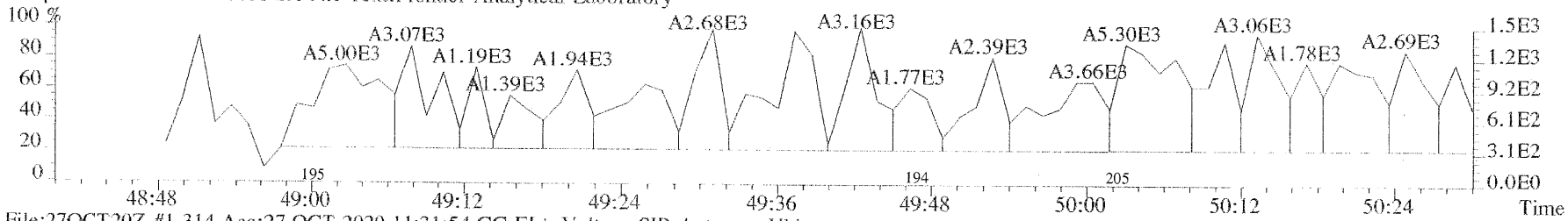
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



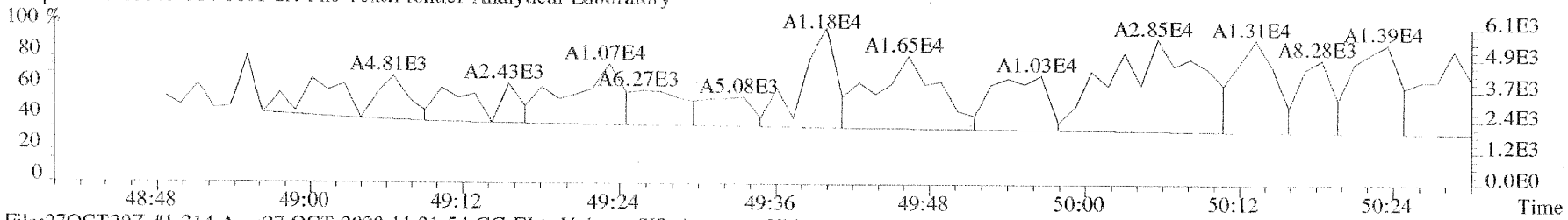
File:27OCT20Z #1-407 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



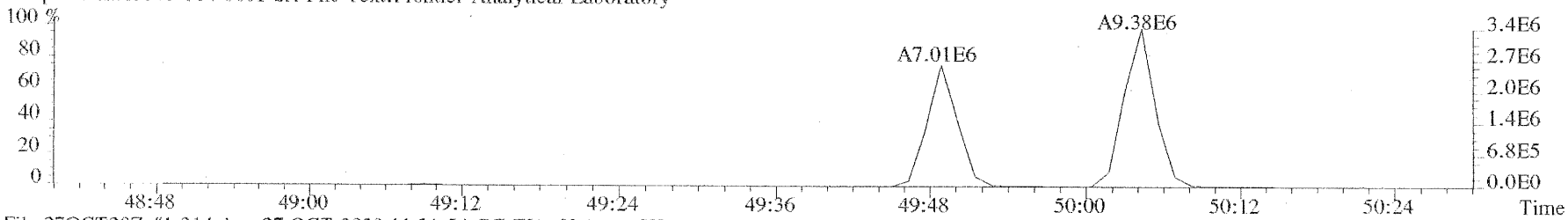
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



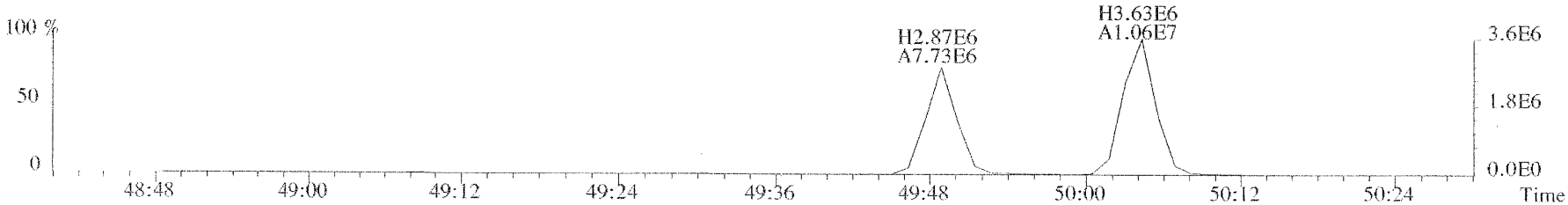
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



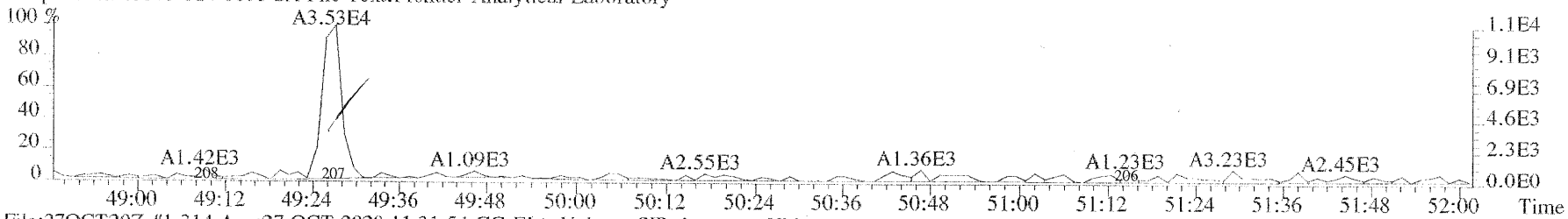
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



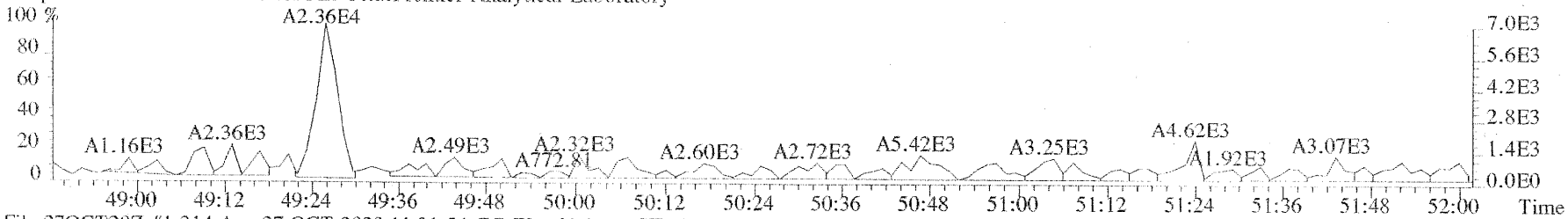
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



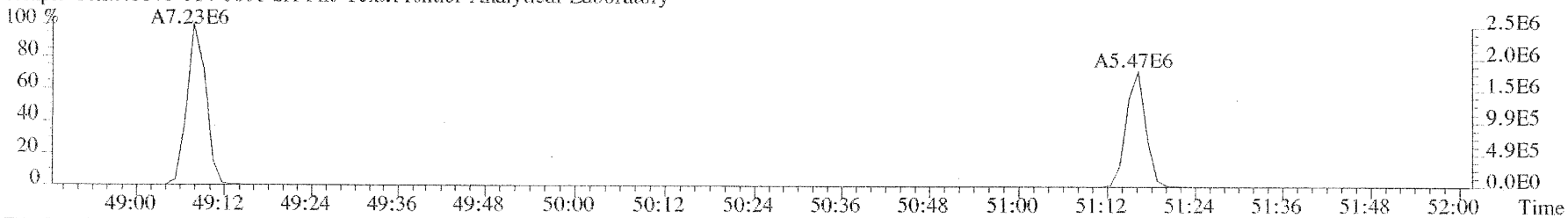
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



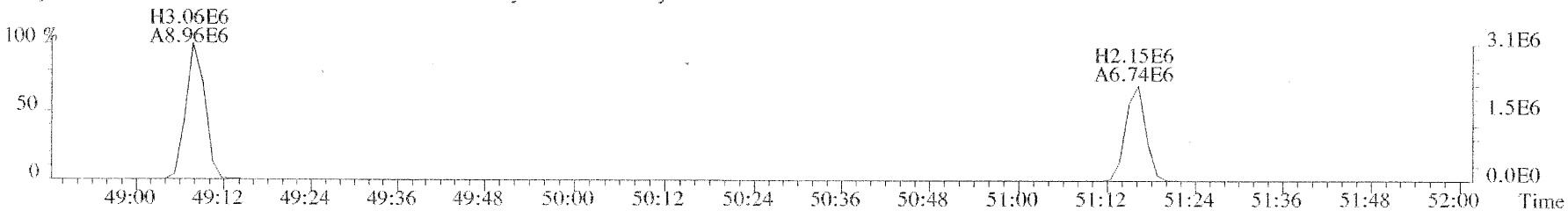
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



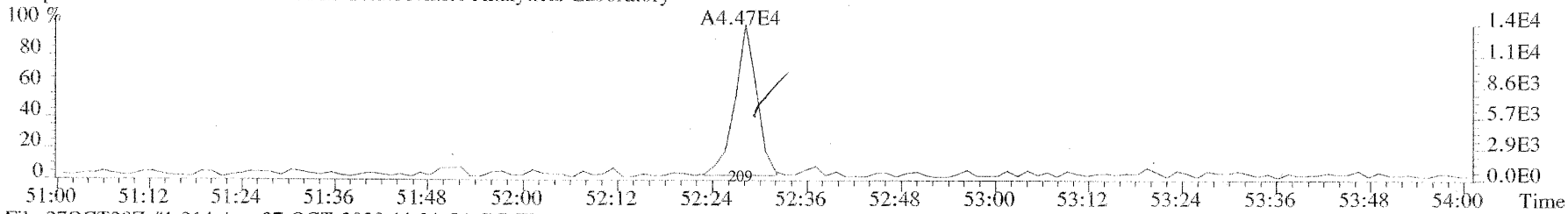
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



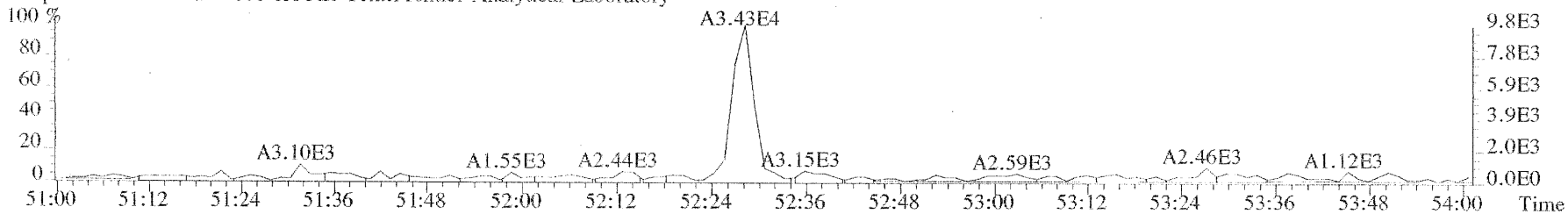
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



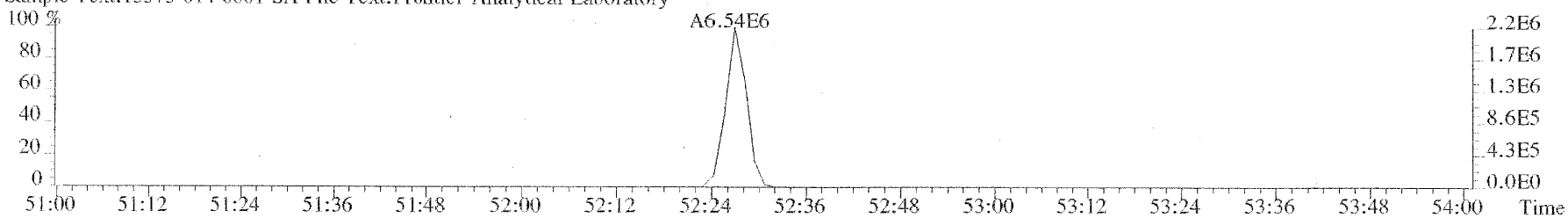
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



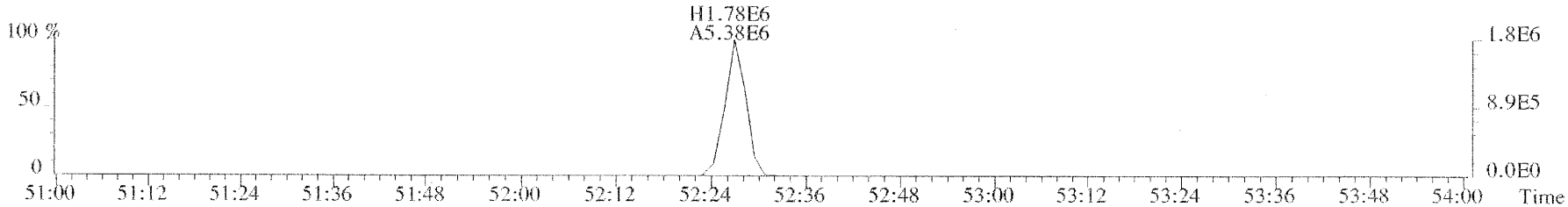
File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13373-014-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
509.7229 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:13373-014-0001-SA File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 11:31:54 GC EI+ Voltage SIR Autospec-Ultima
511.7199 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:13373-014-0001-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: K 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: [illegible] 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: [signature] 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				

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

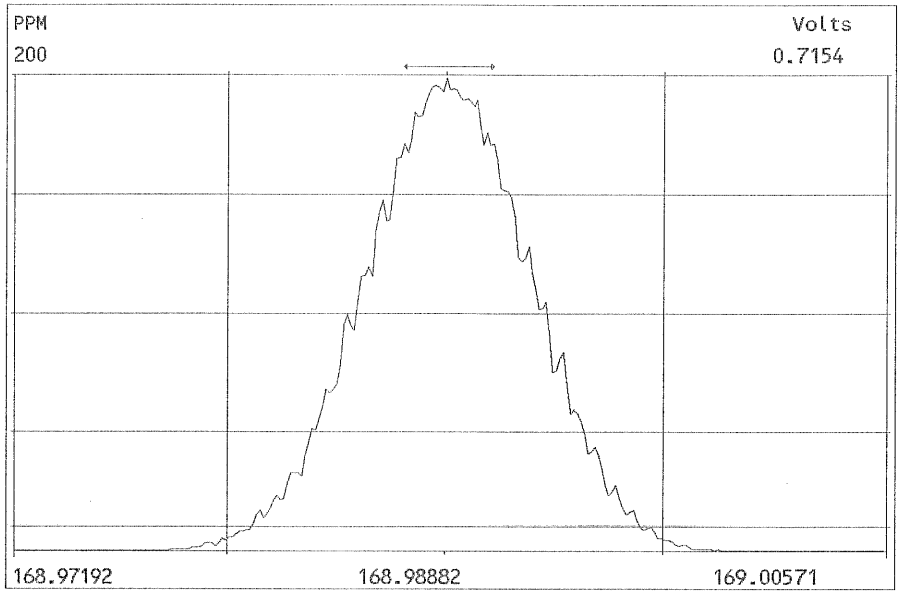
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399 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

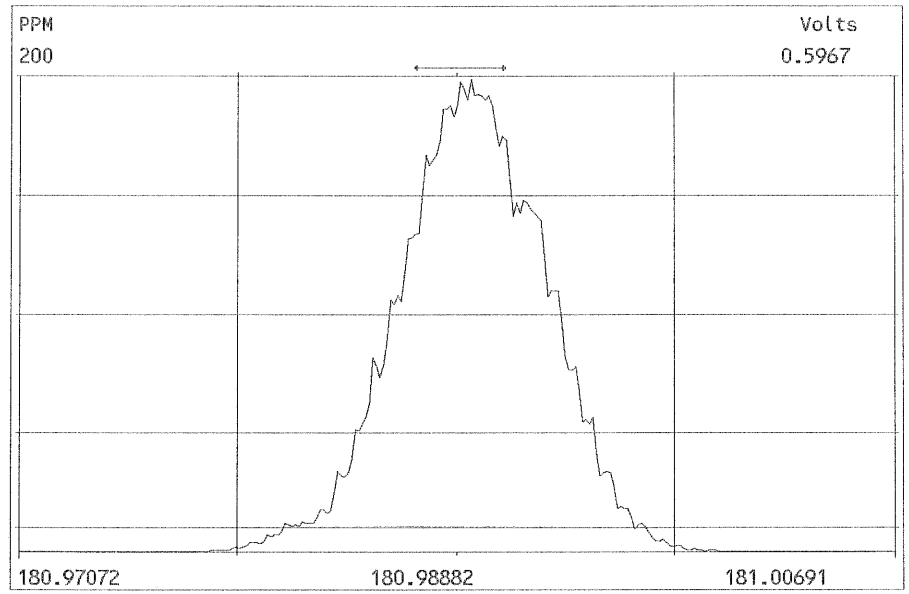
7/28/20

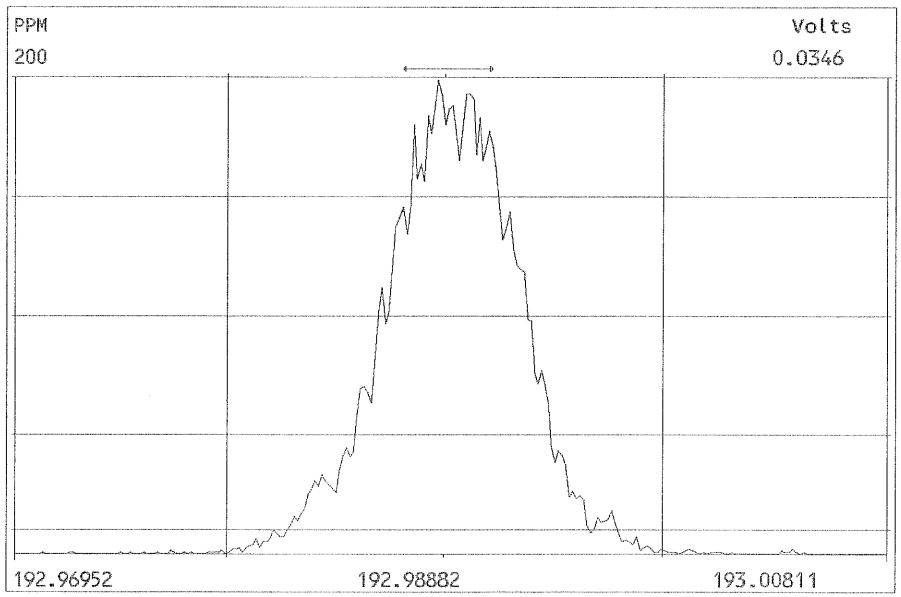
Data Backed Up:_____

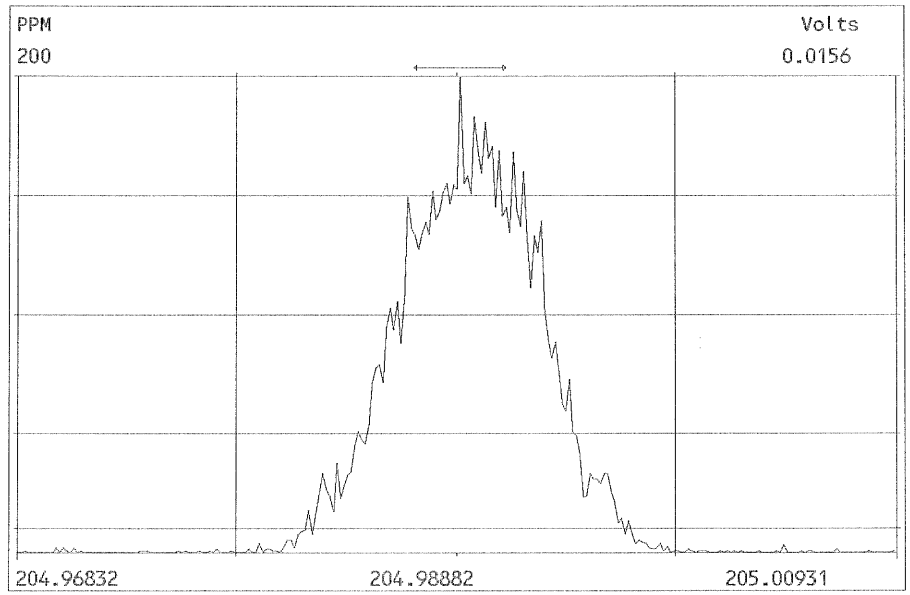
Date:_____

Peak Locate Examination:22-JUL-2020:08:00 File:22JUL20Z
Experiment:1668PCB Function:1 Reference:PFK 99

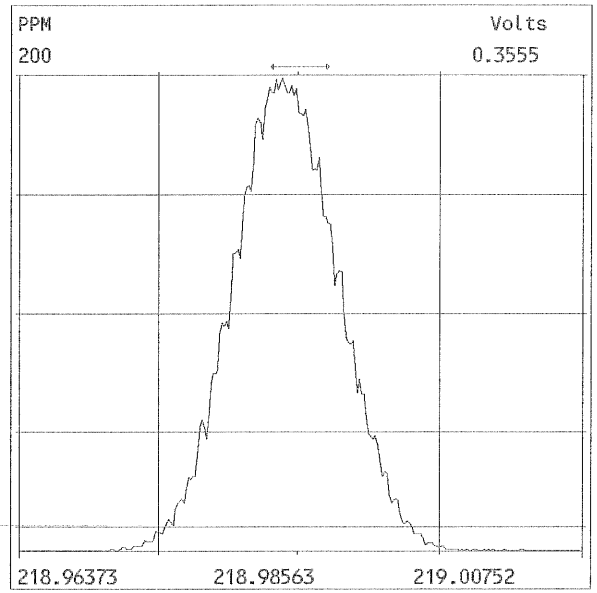


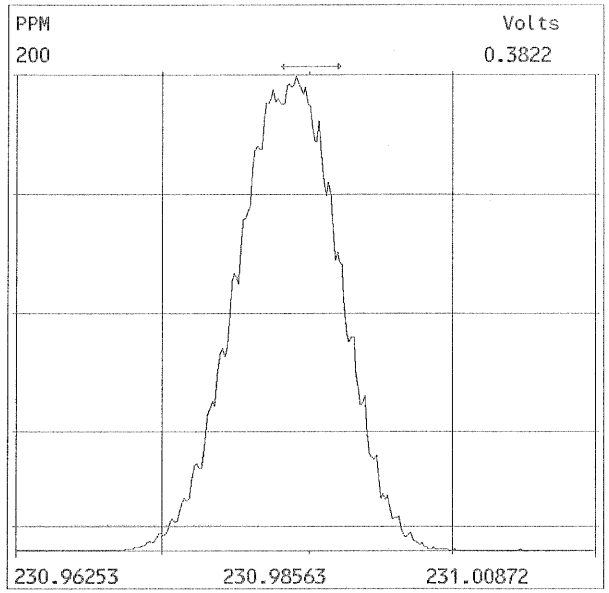


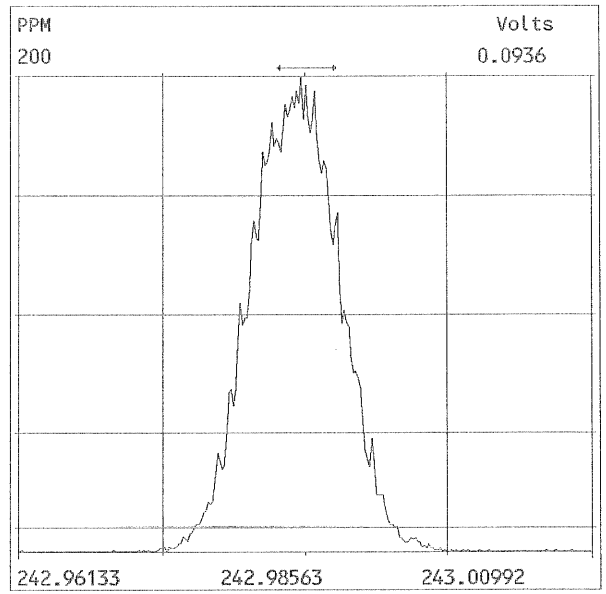


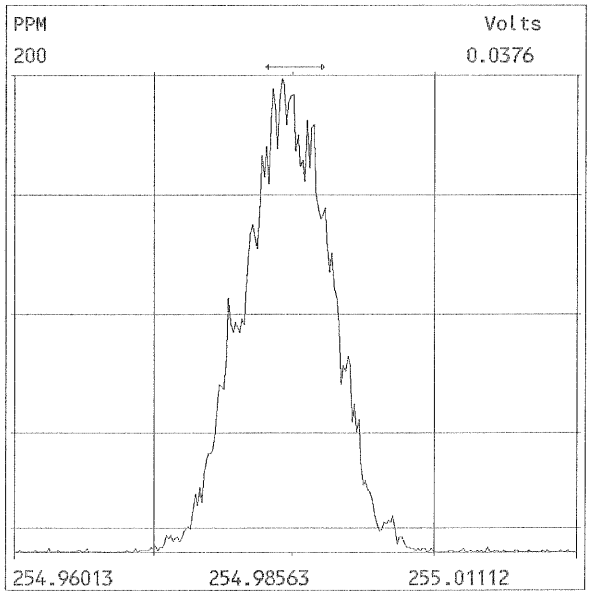


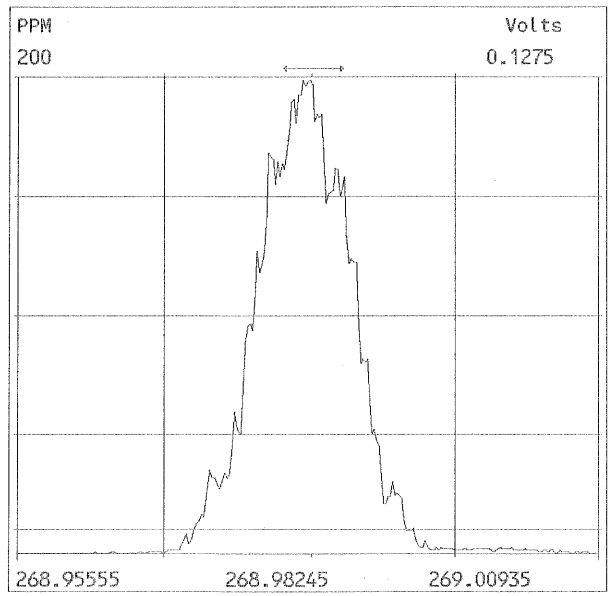
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

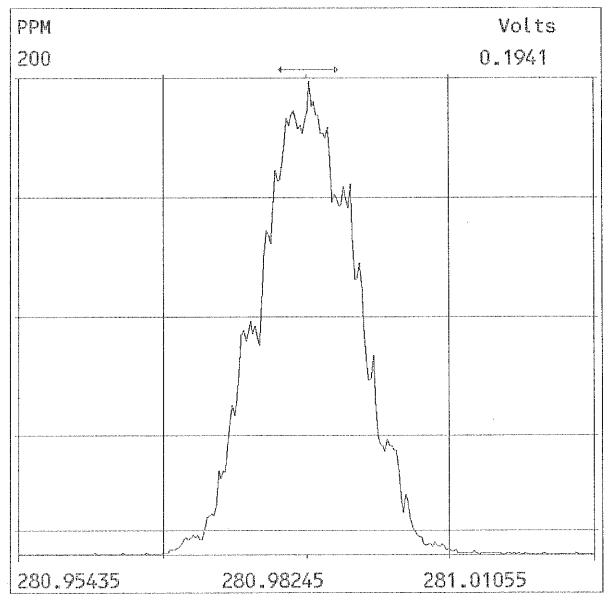




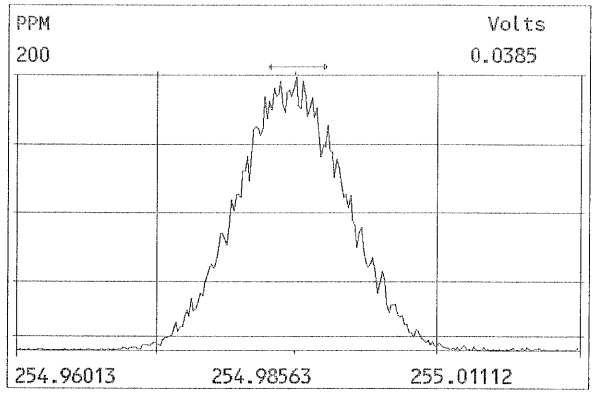


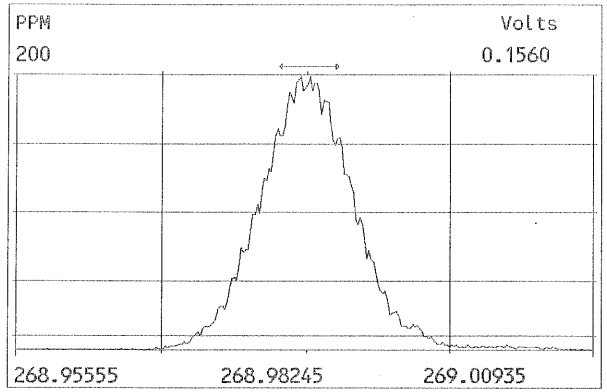


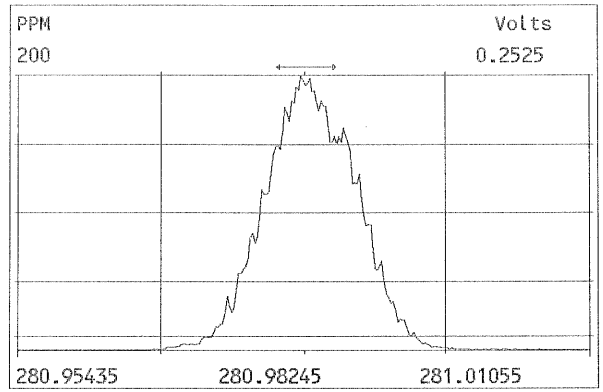


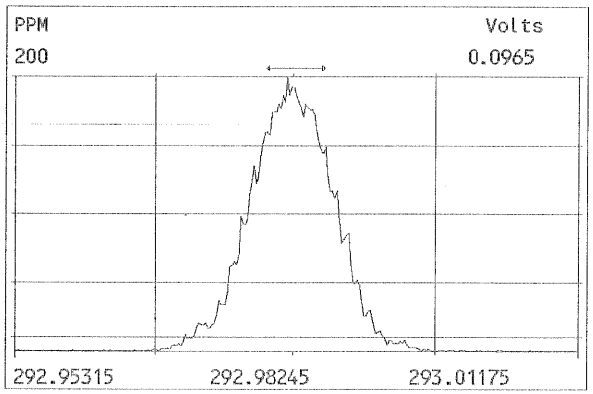


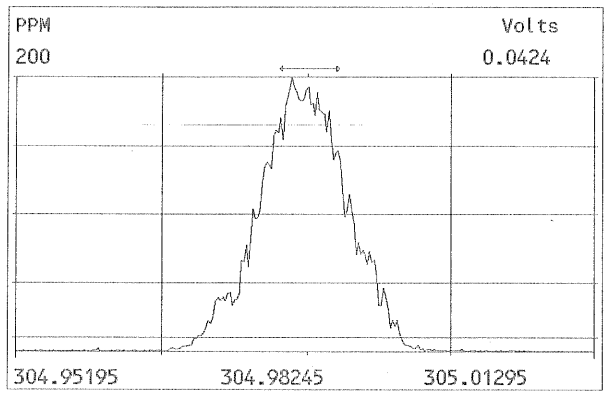
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

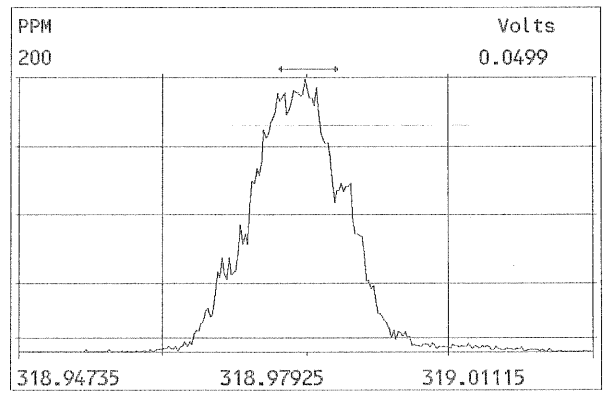


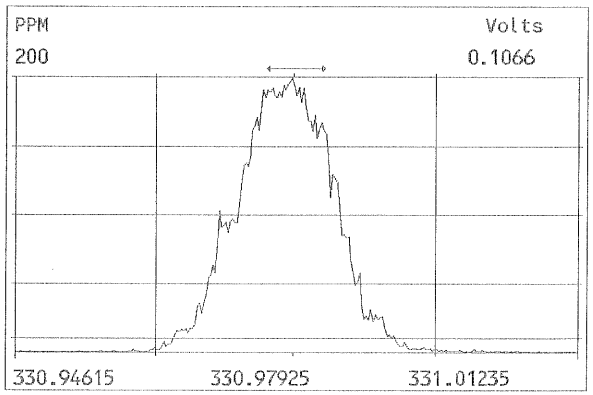


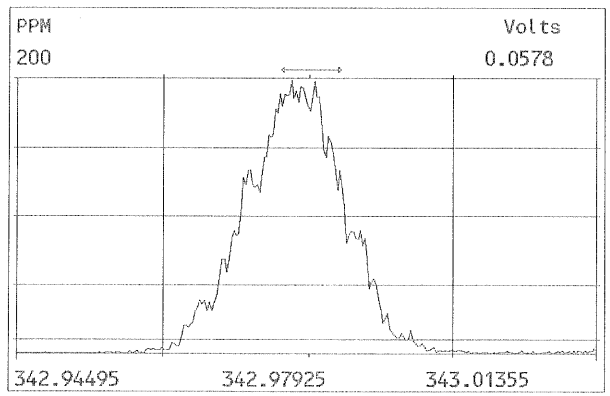




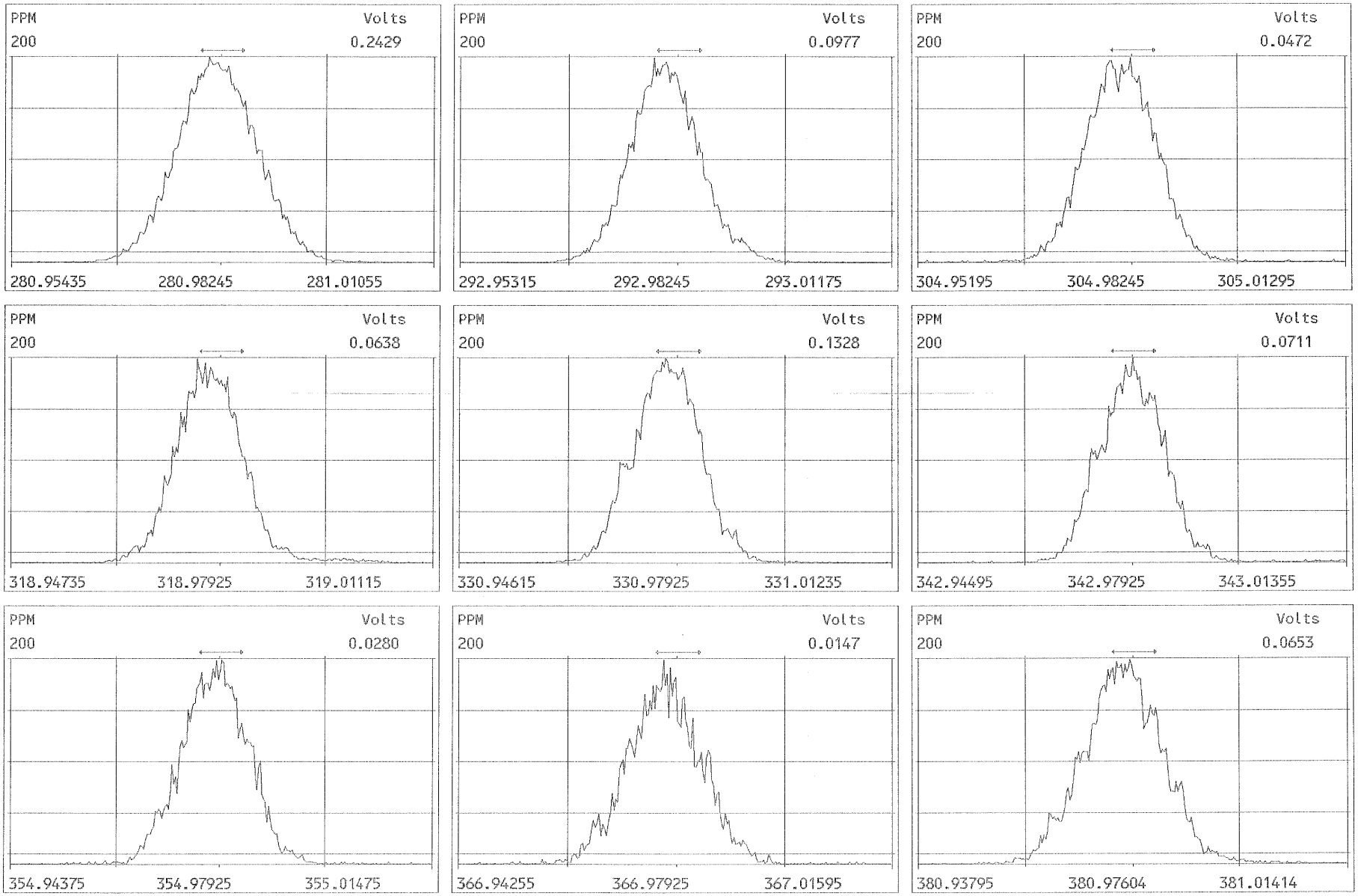




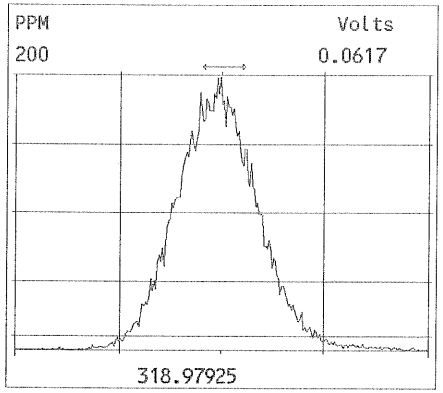


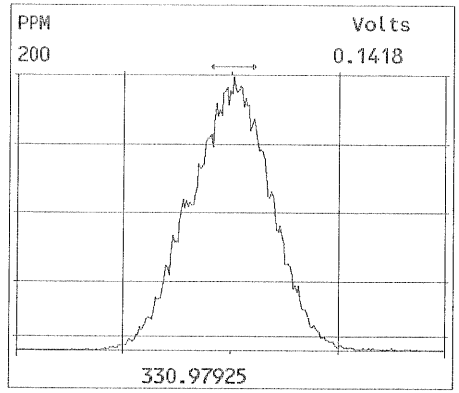


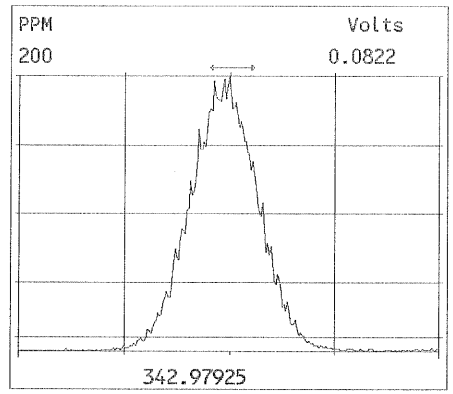
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

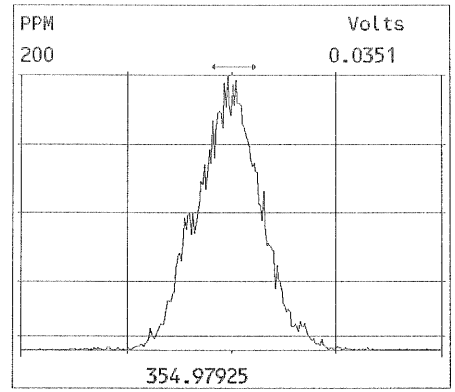


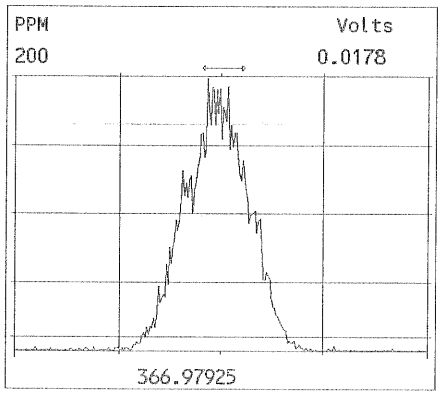
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

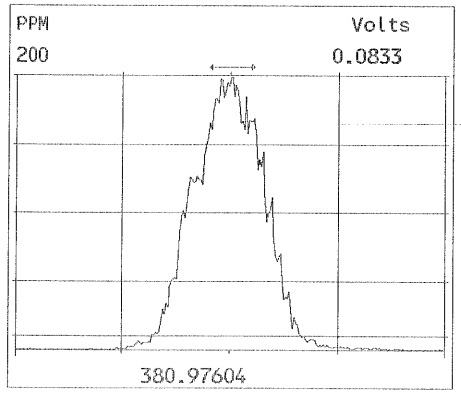


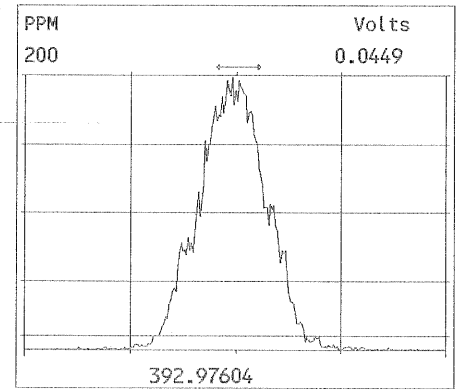


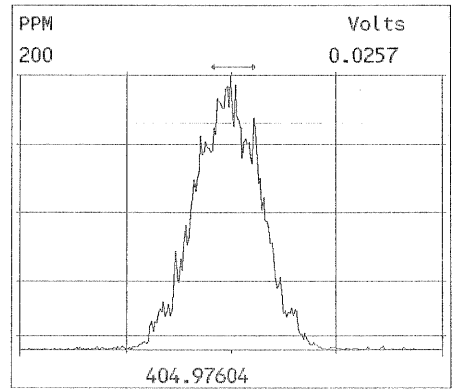


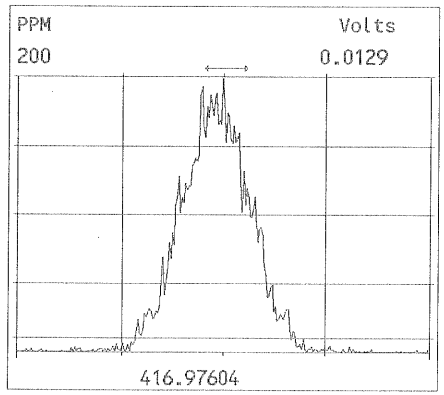


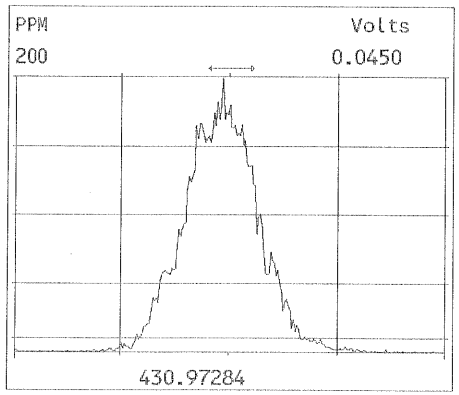


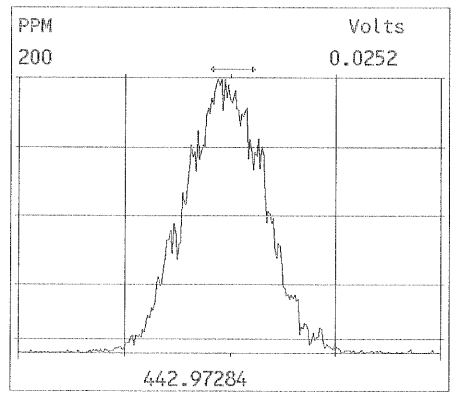




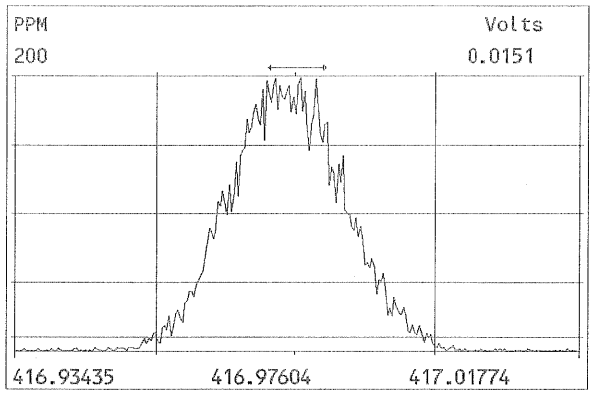


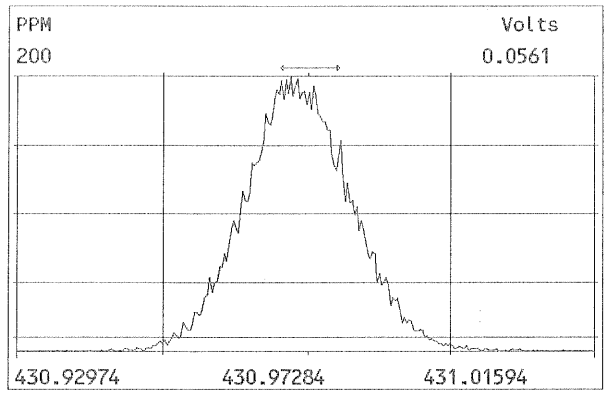


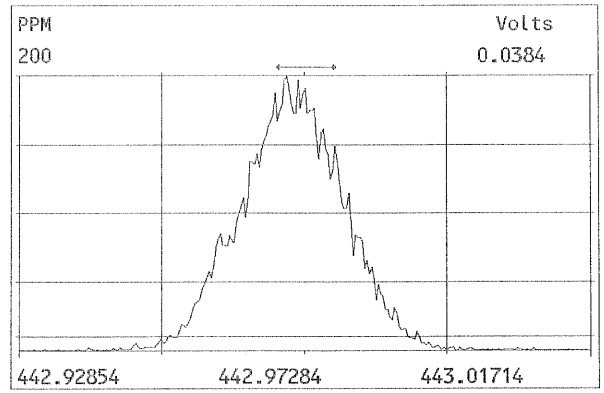


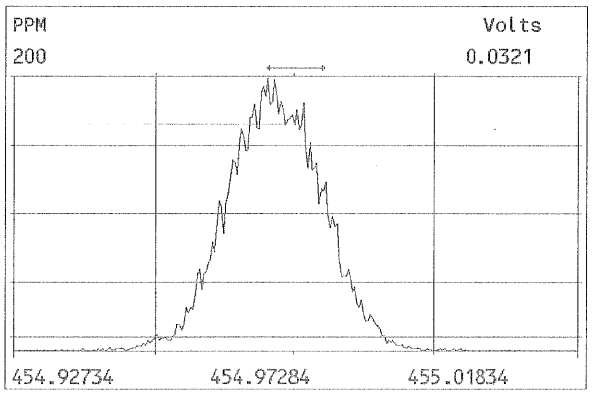


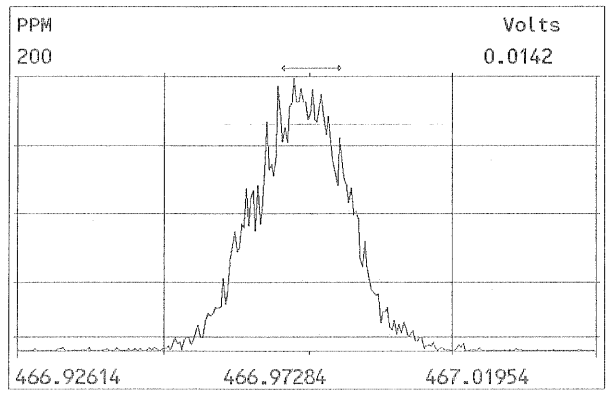
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

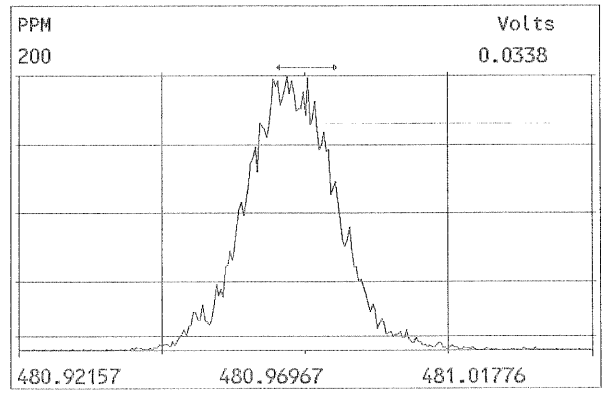


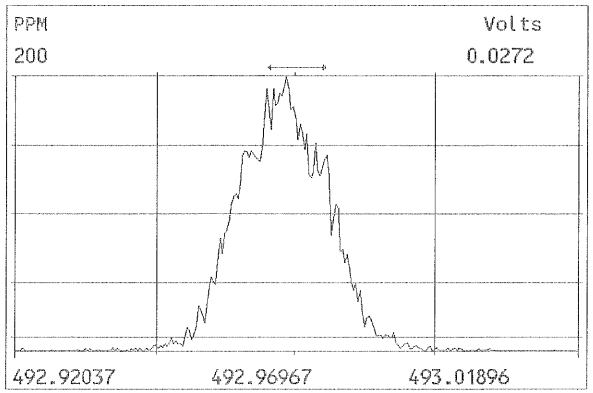


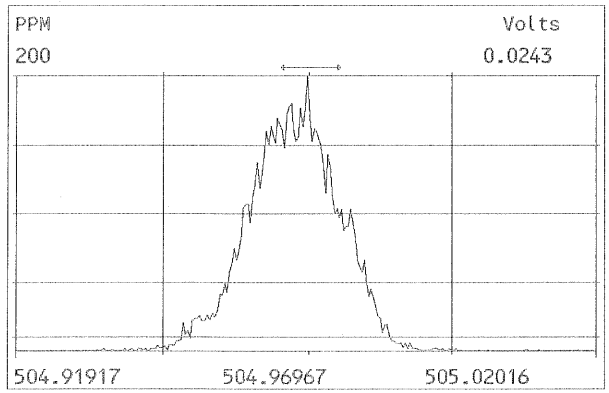


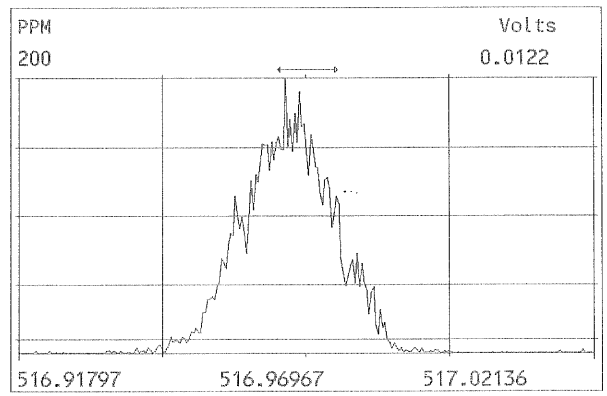




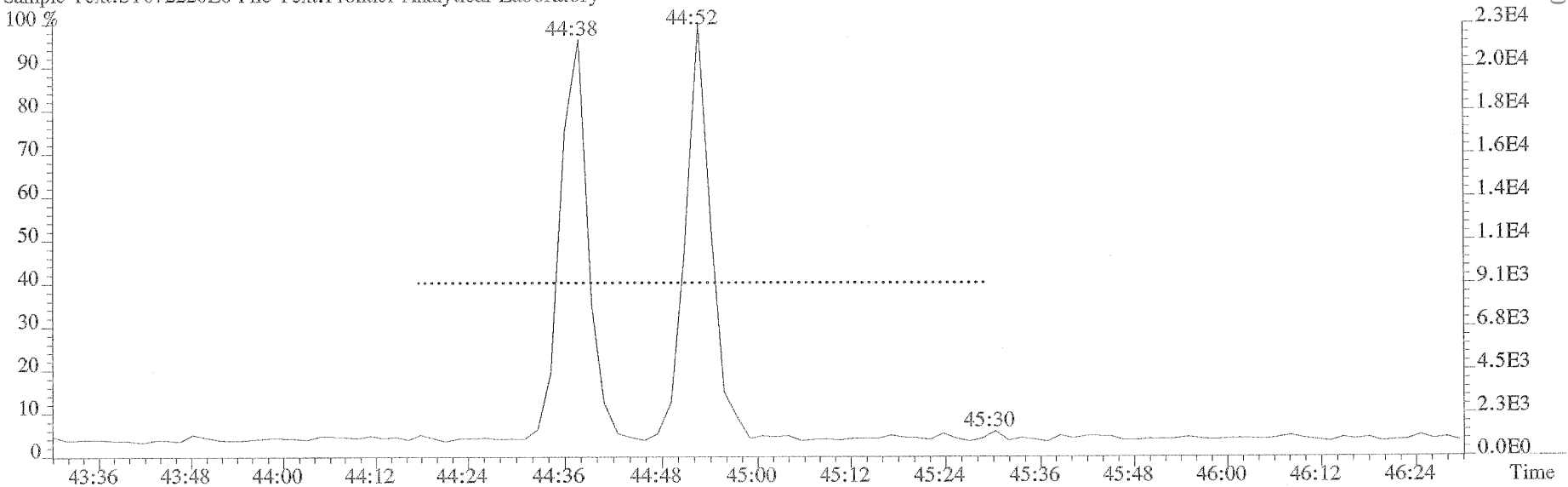




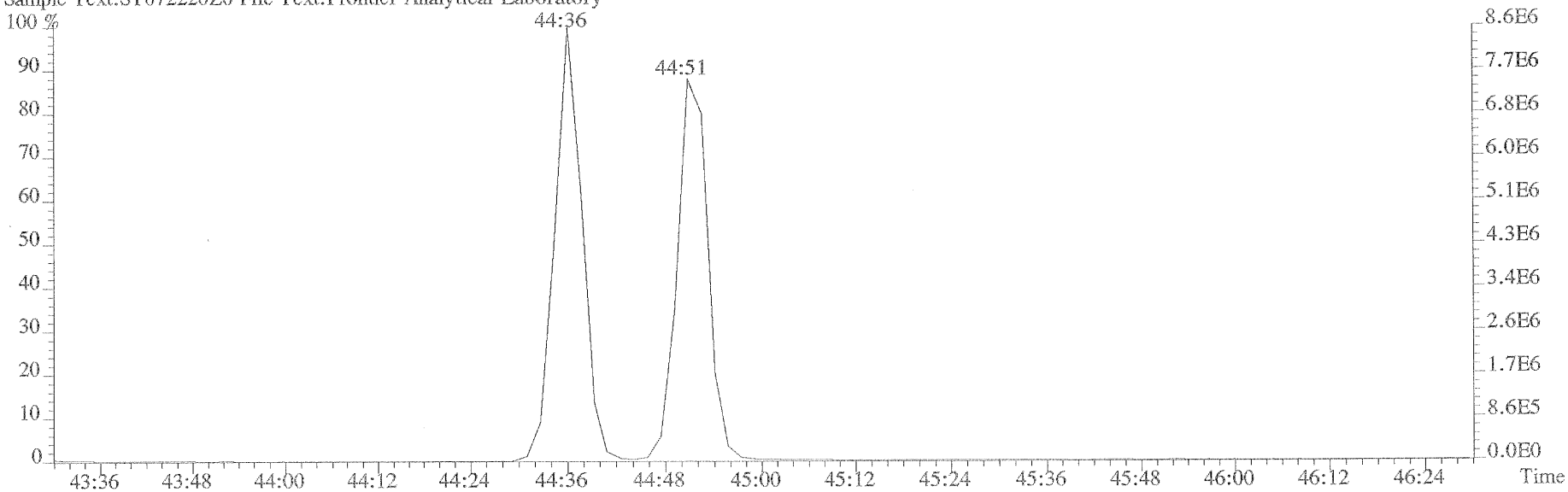




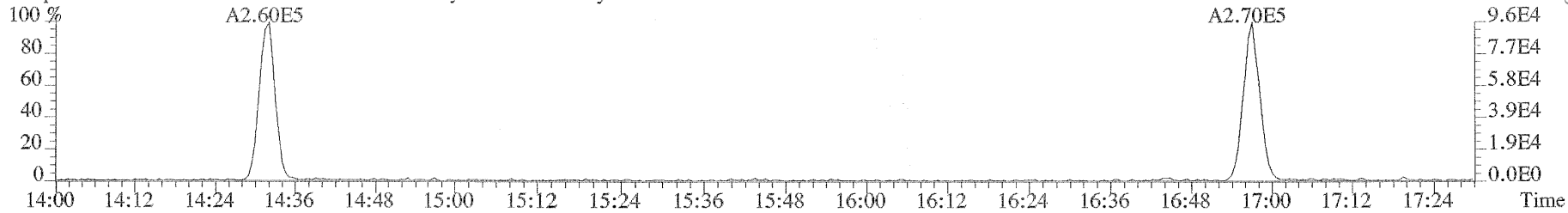
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



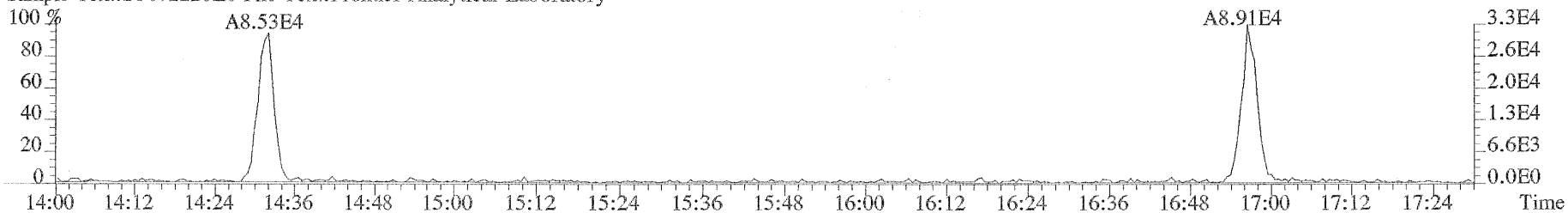
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



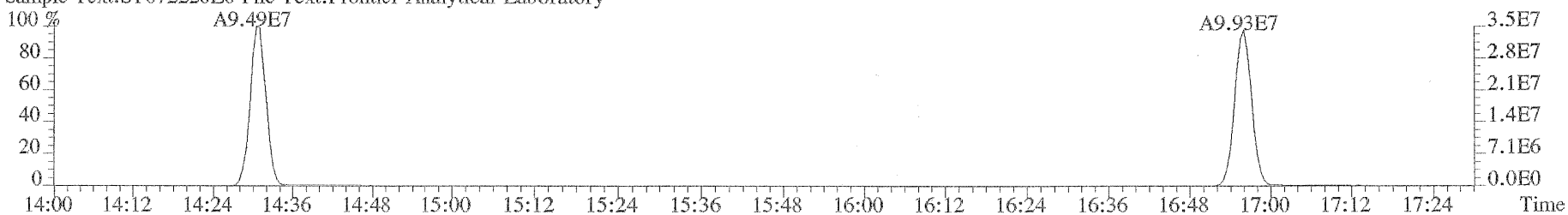
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



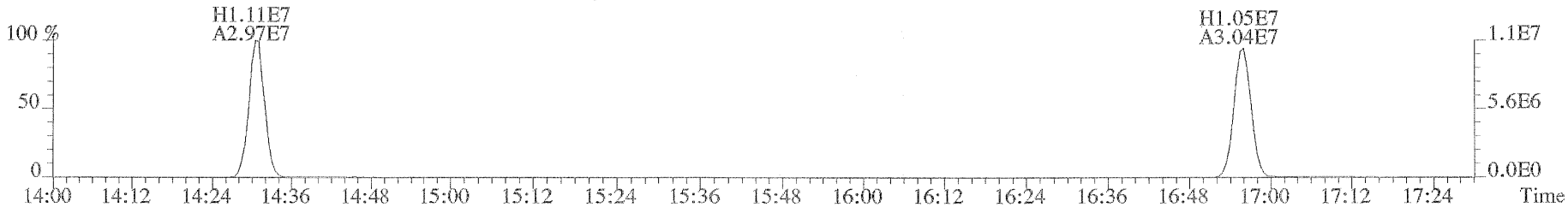
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



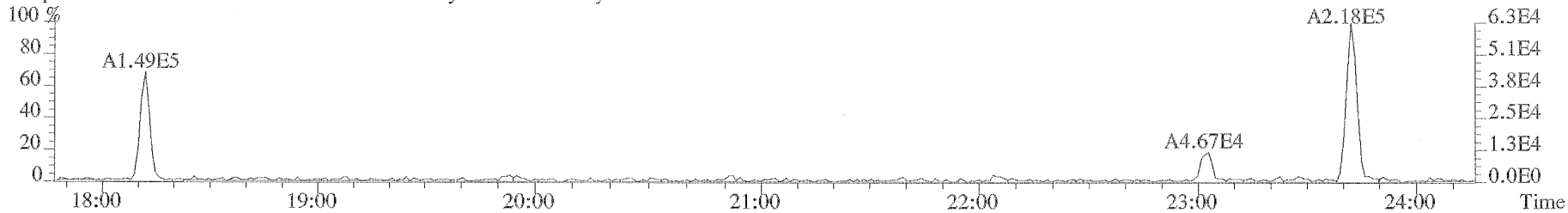
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



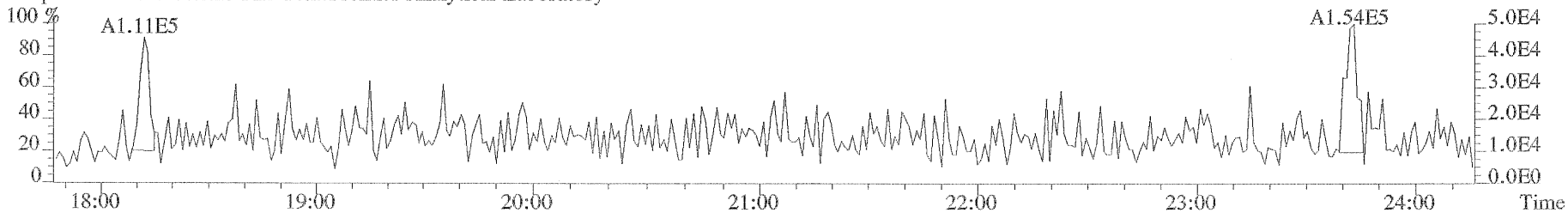
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



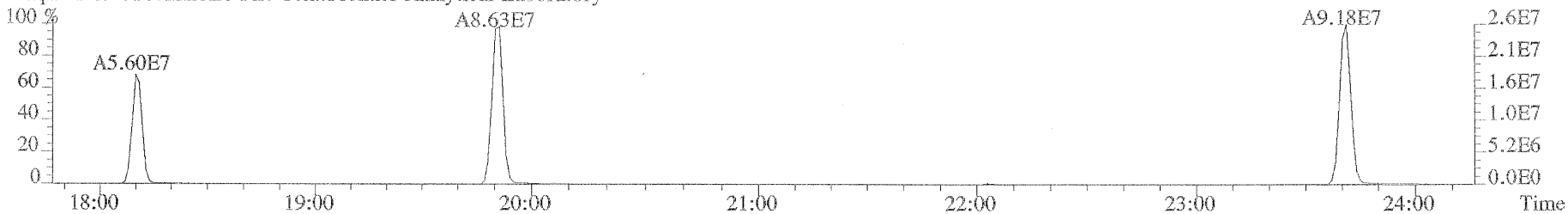
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



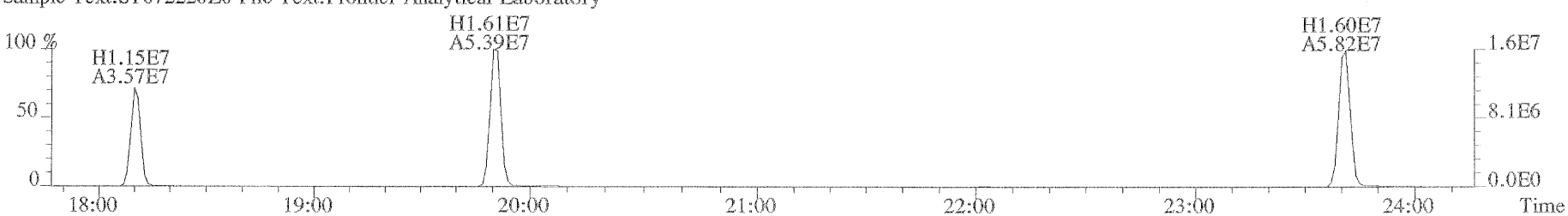
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



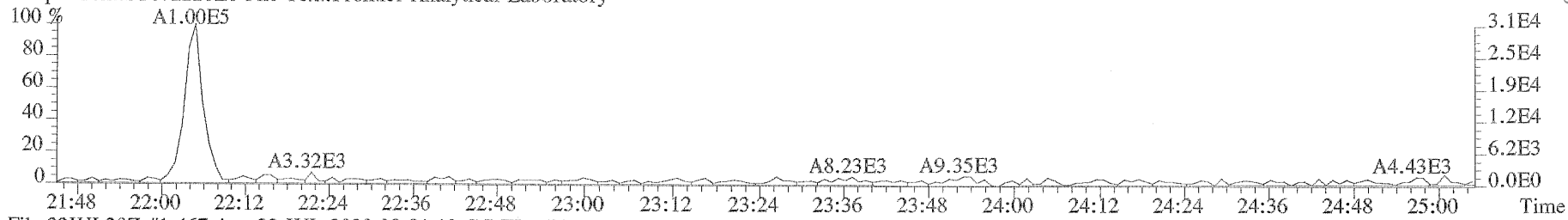
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



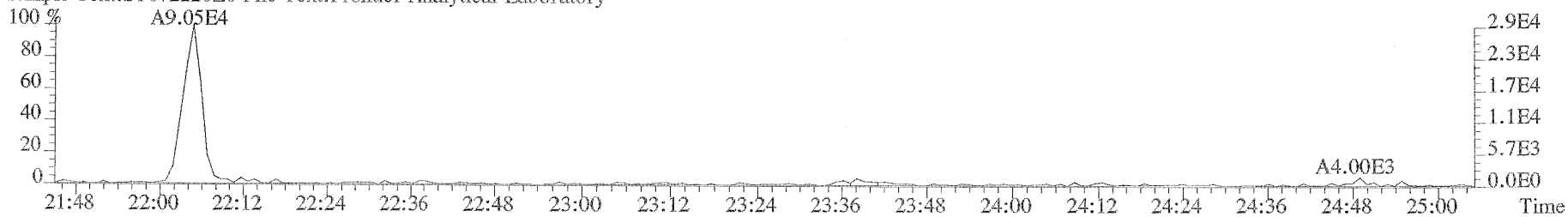
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



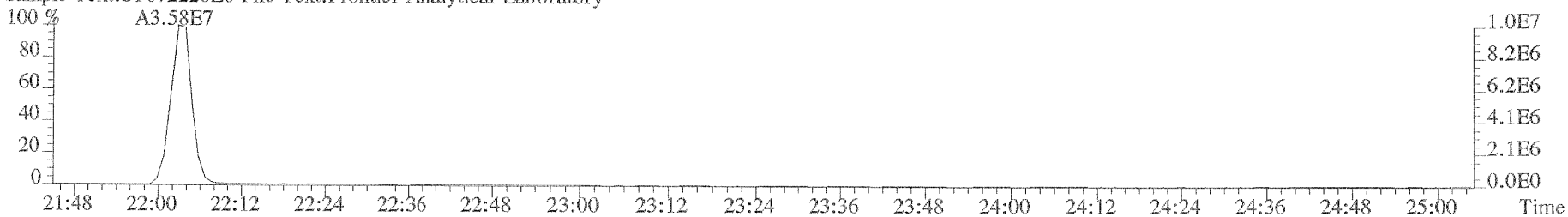
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



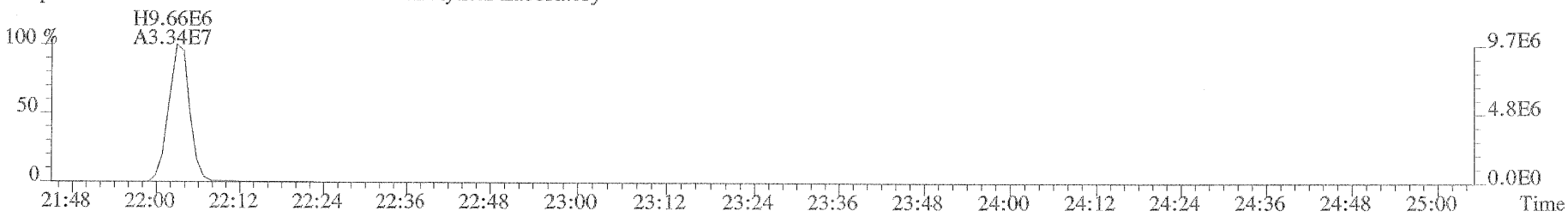
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



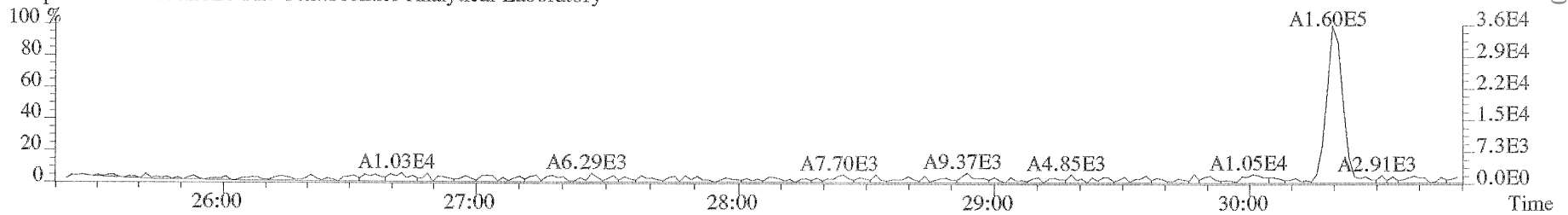
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



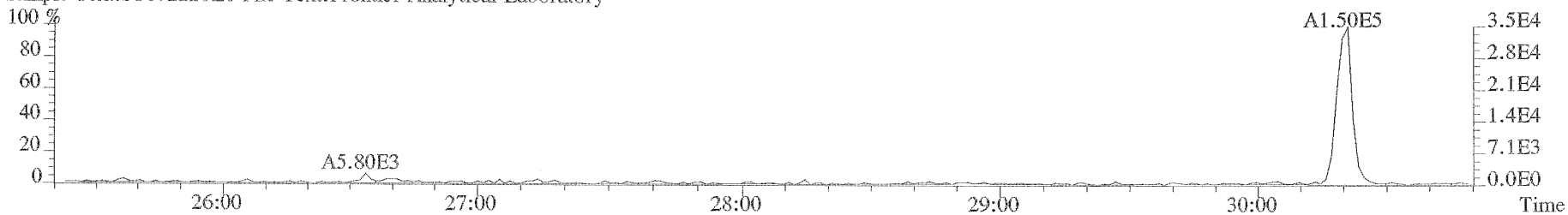
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



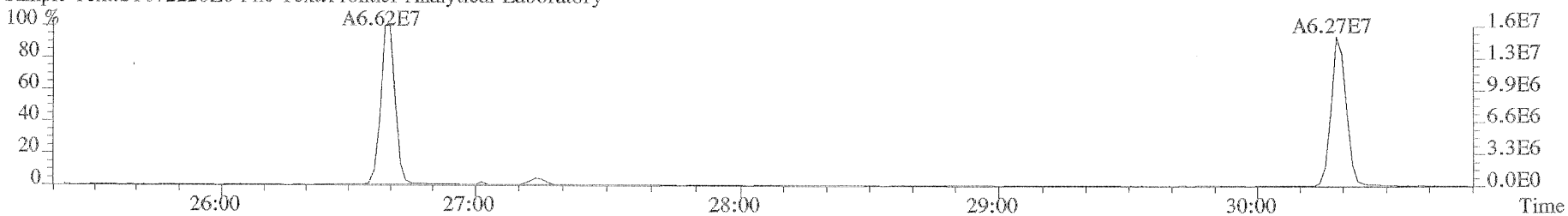
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



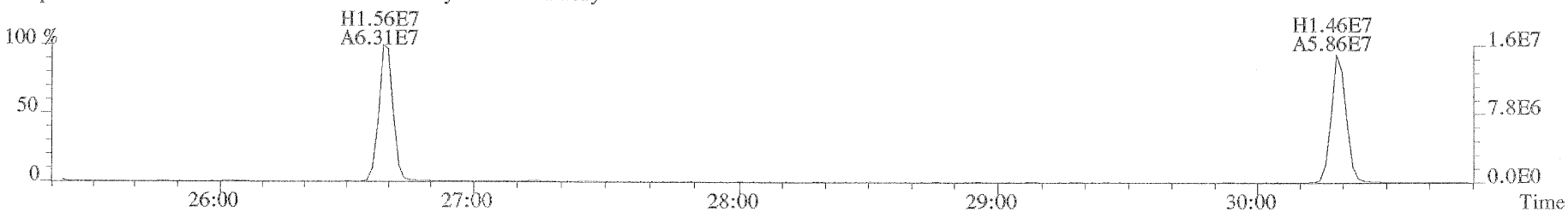
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



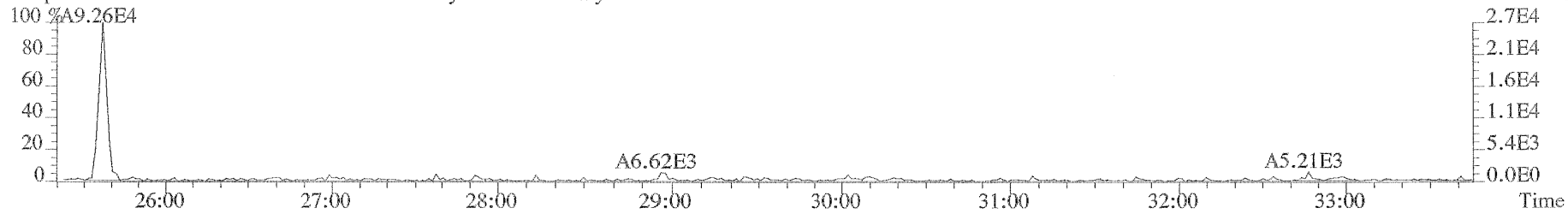
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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



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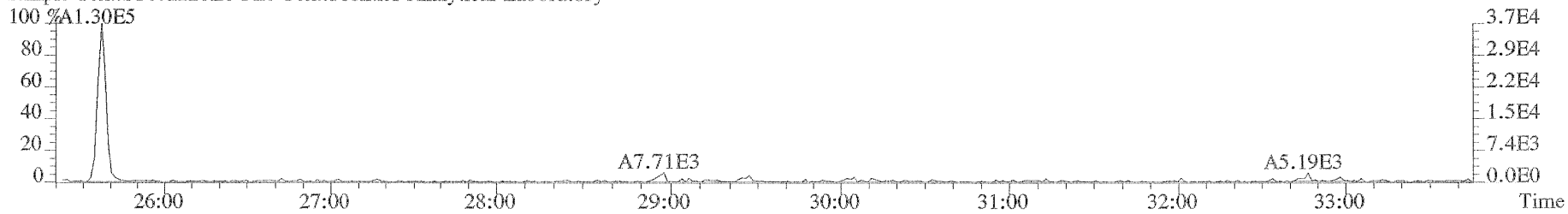
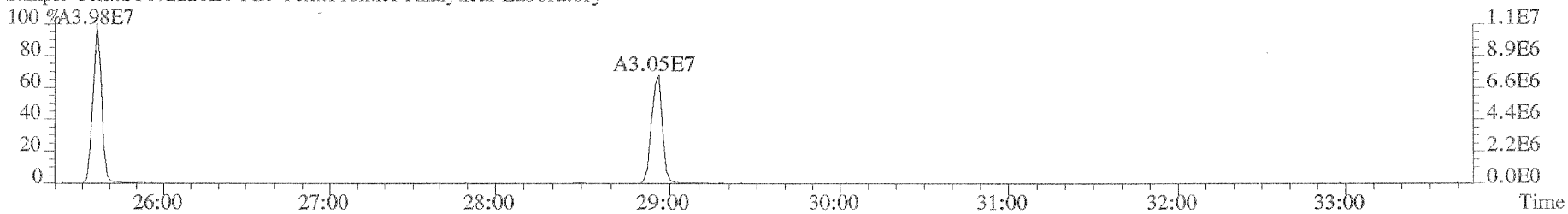
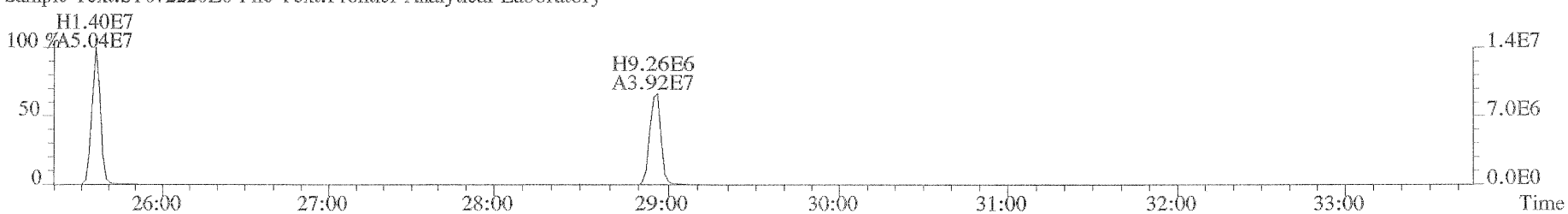
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



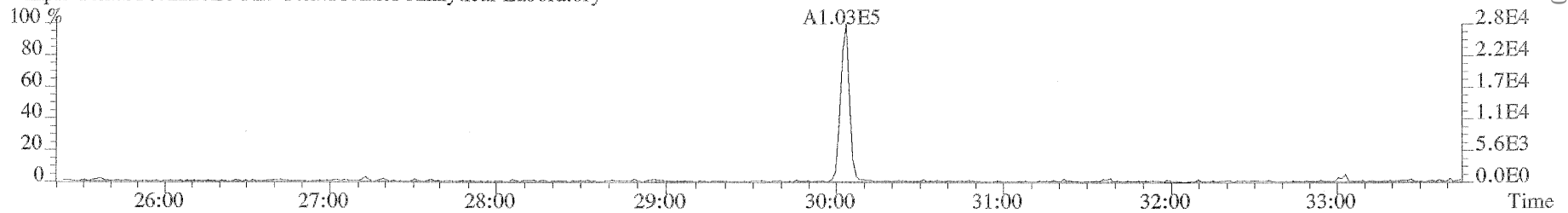
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



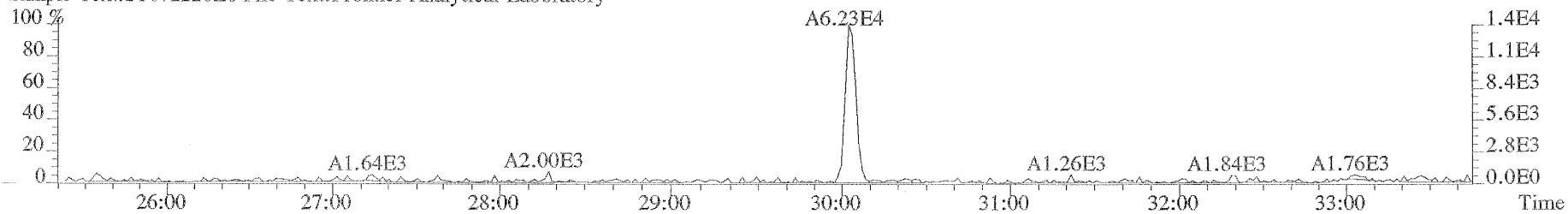
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



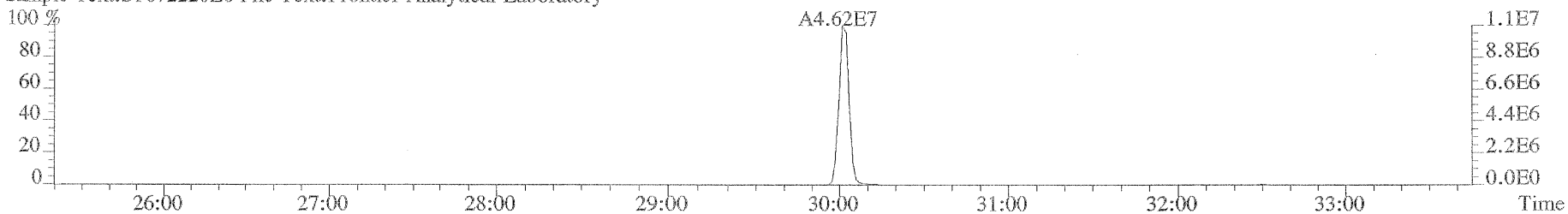
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



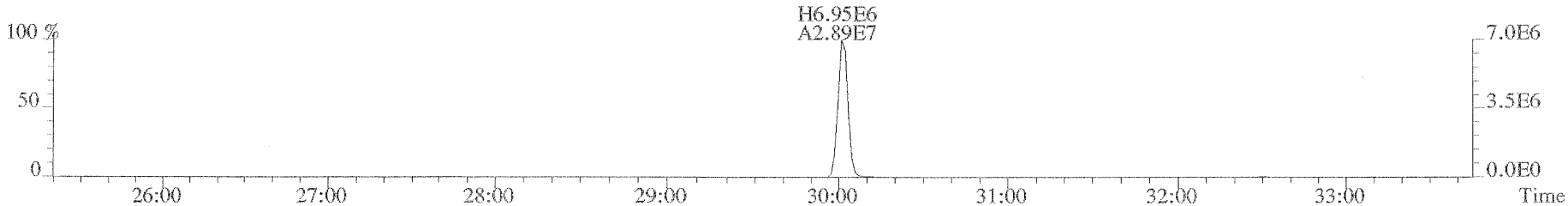
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



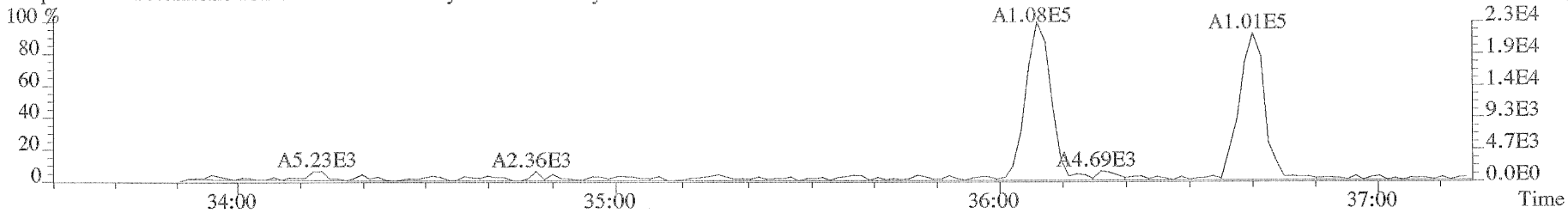
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



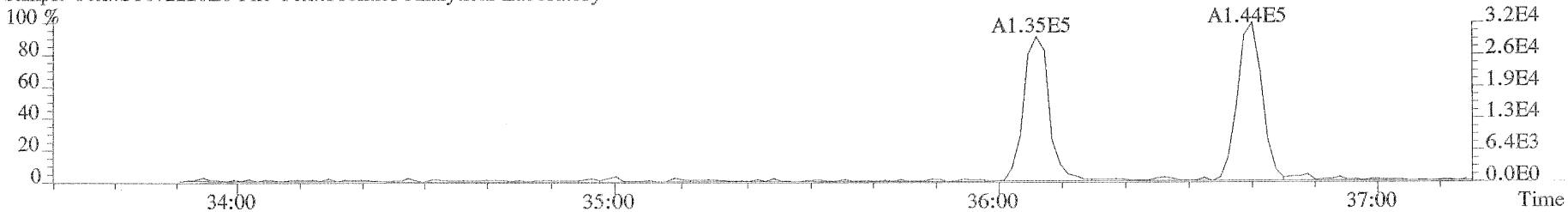
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



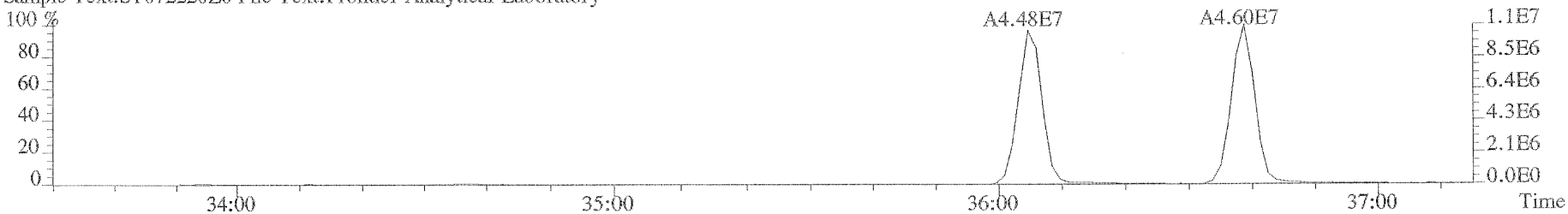
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



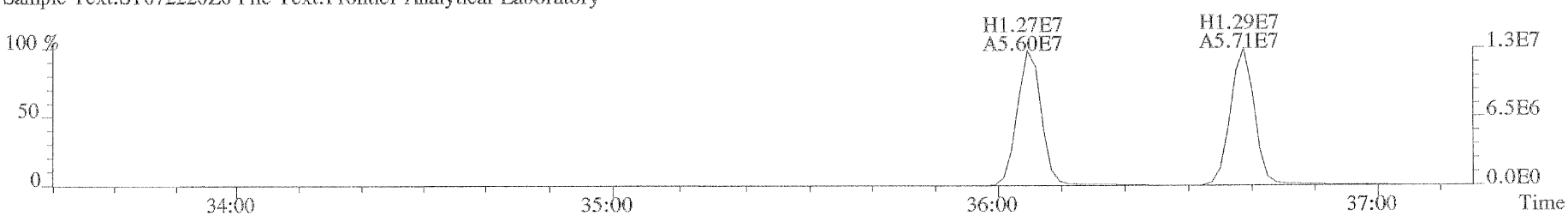
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



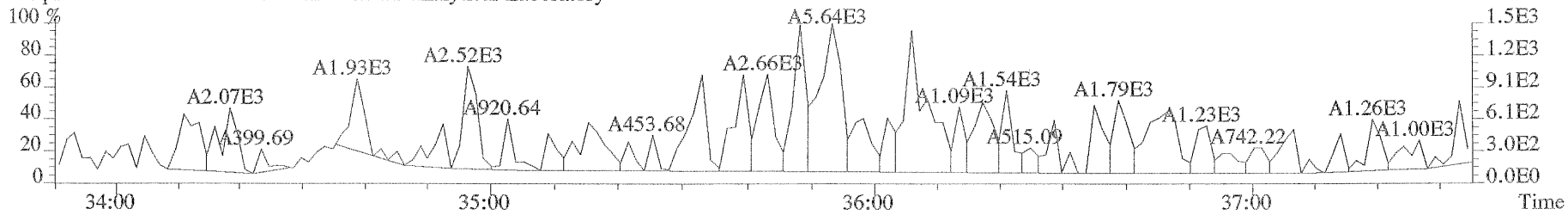
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



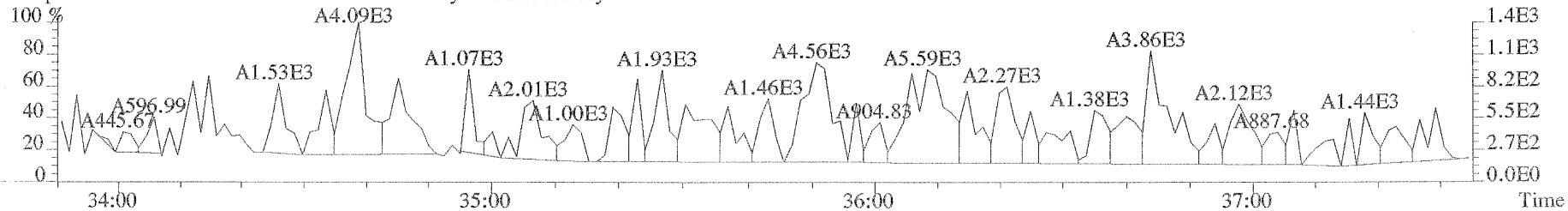
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



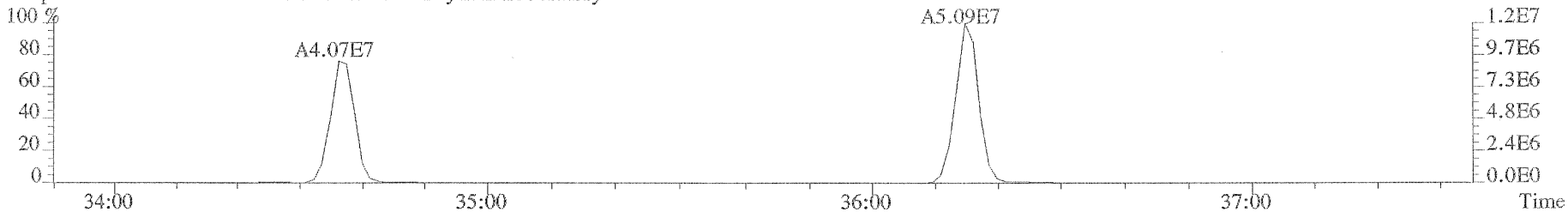
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



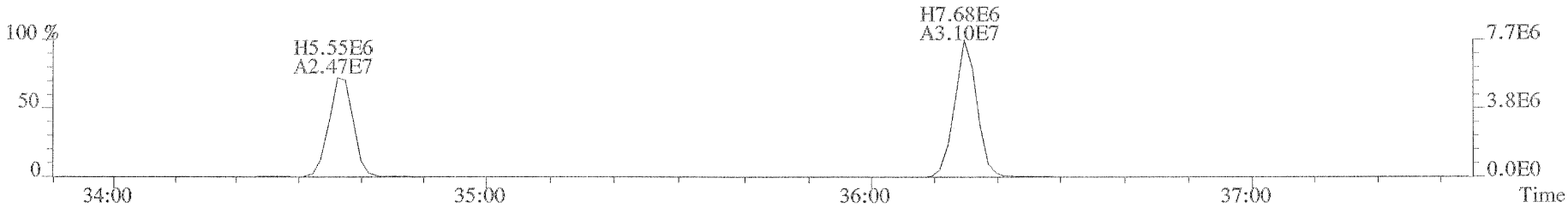
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



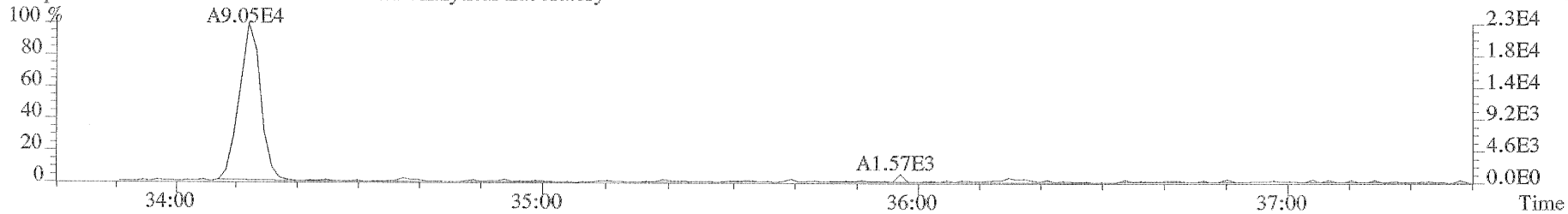
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



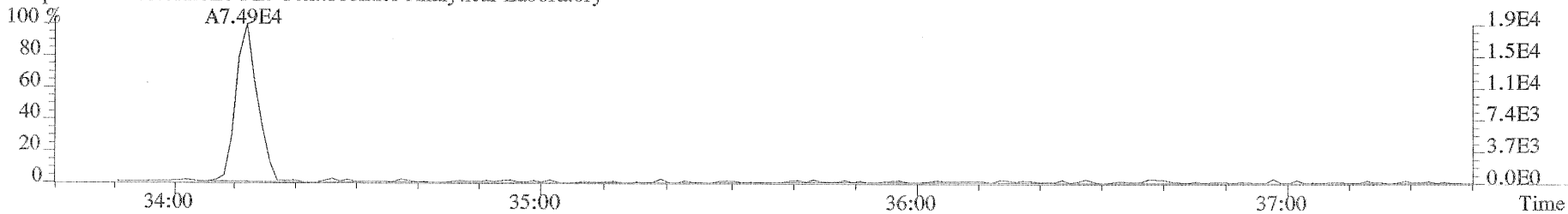
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



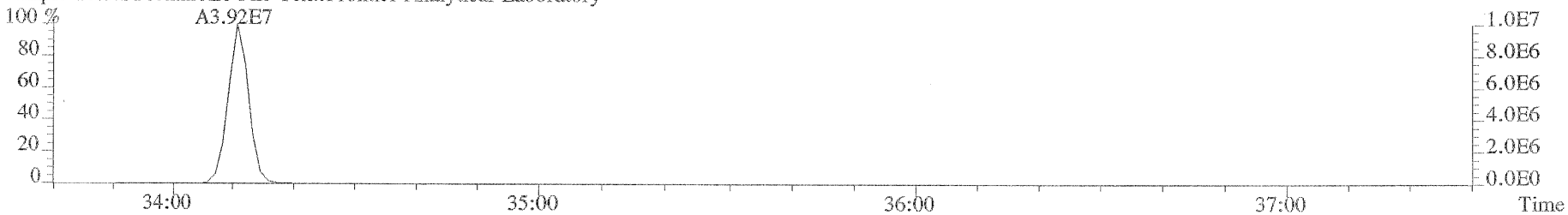
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



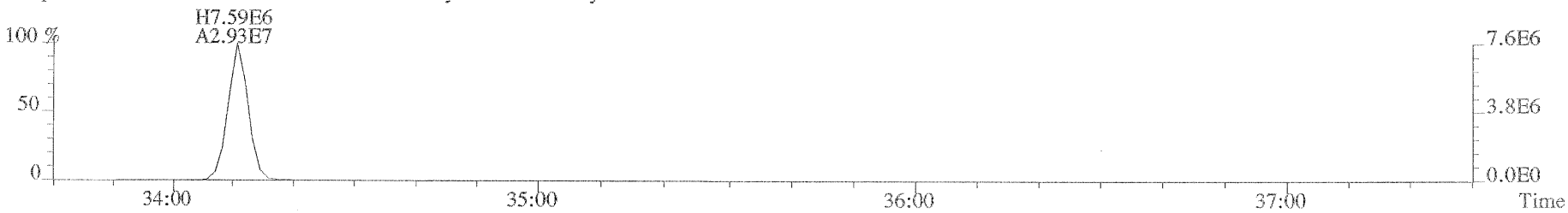
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



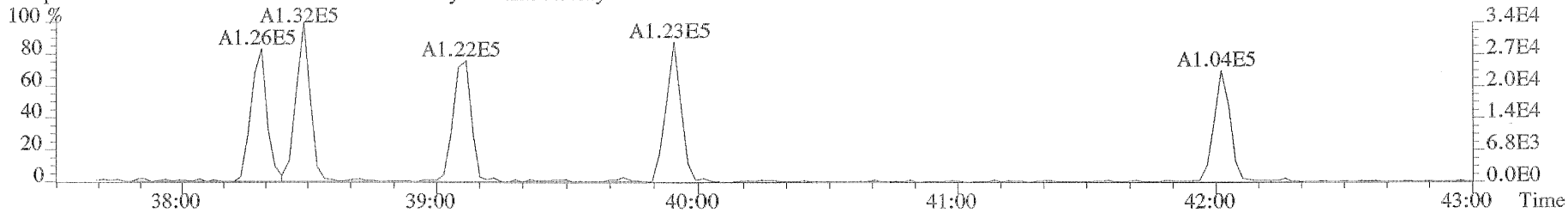
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



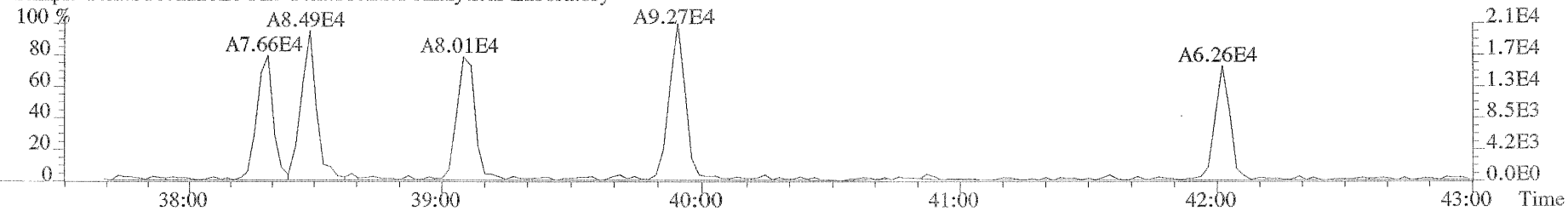
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



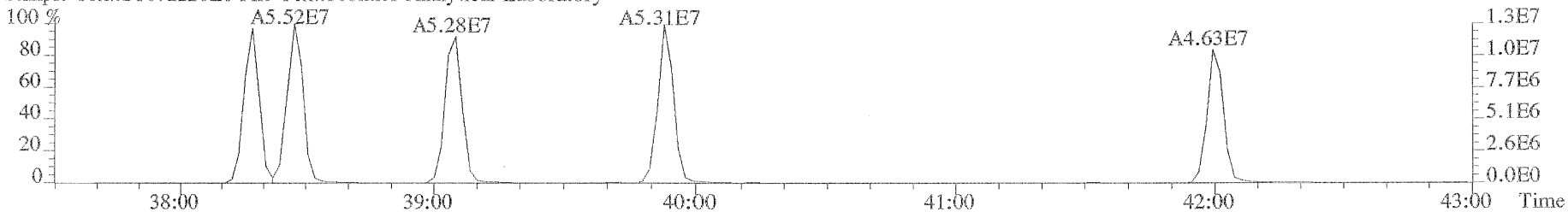
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



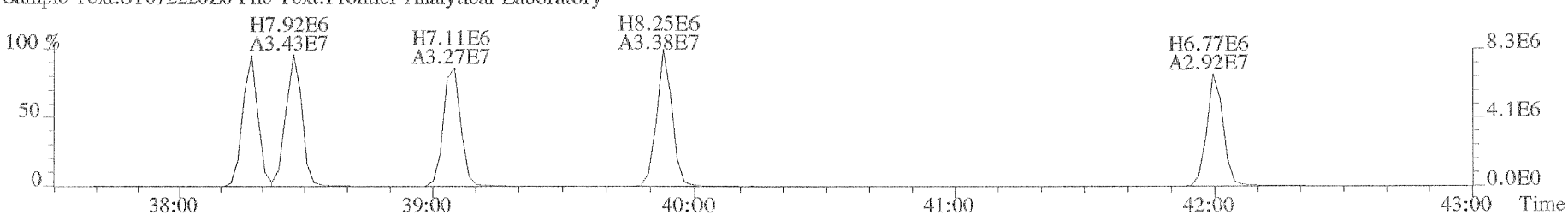
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



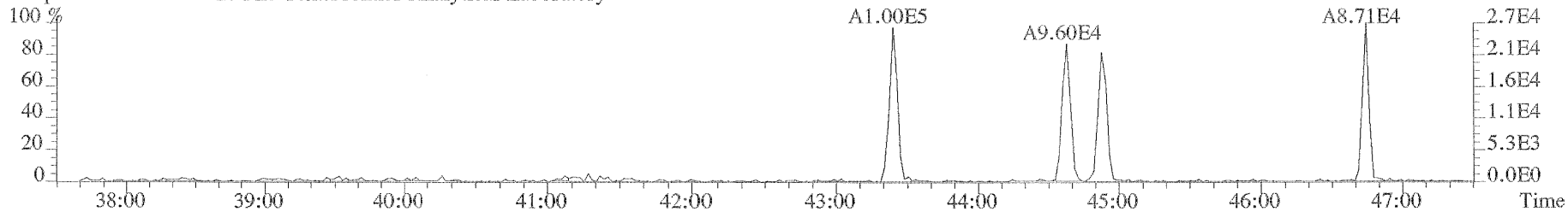
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



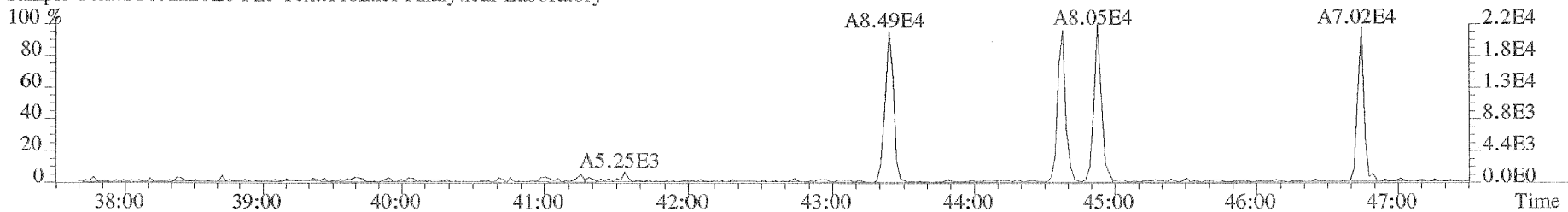
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



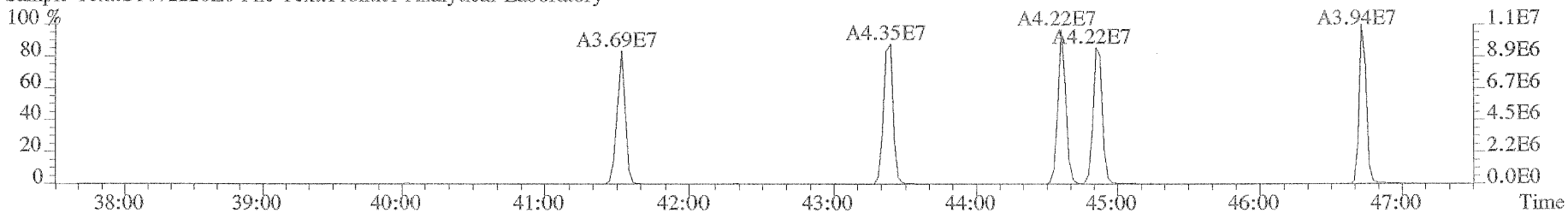
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



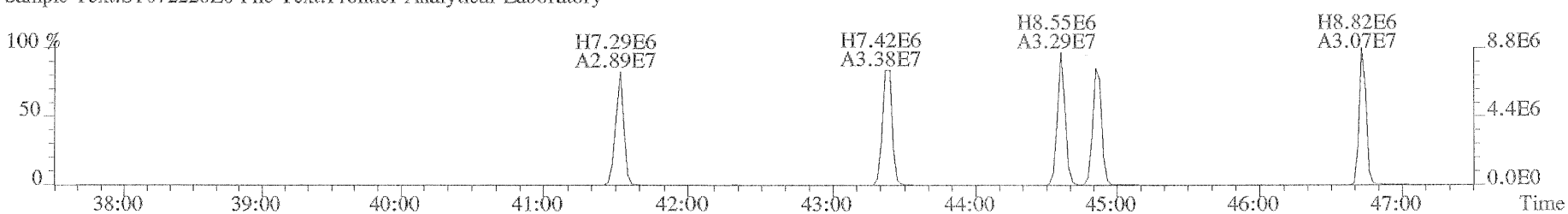
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



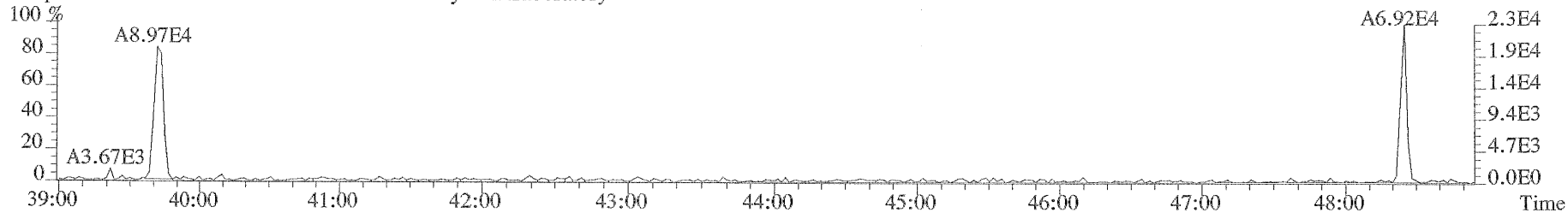
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



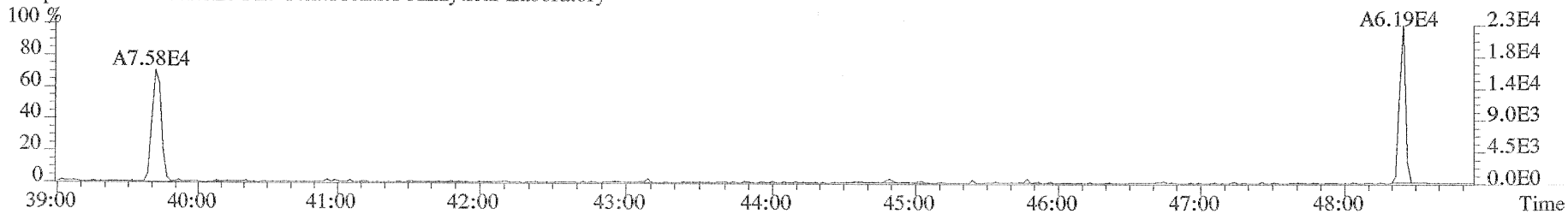
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



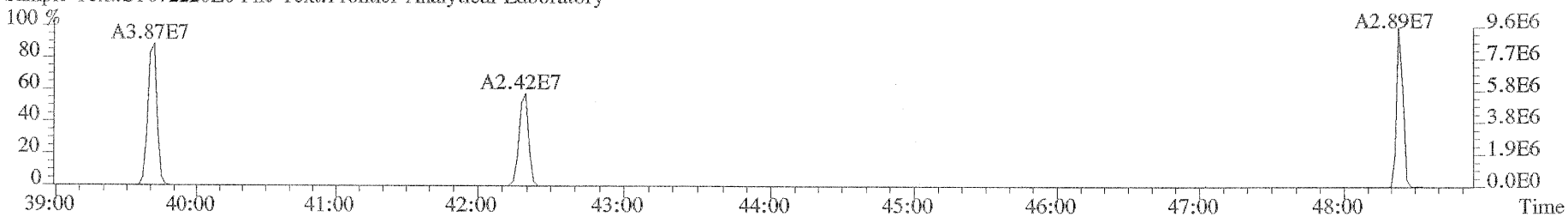
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



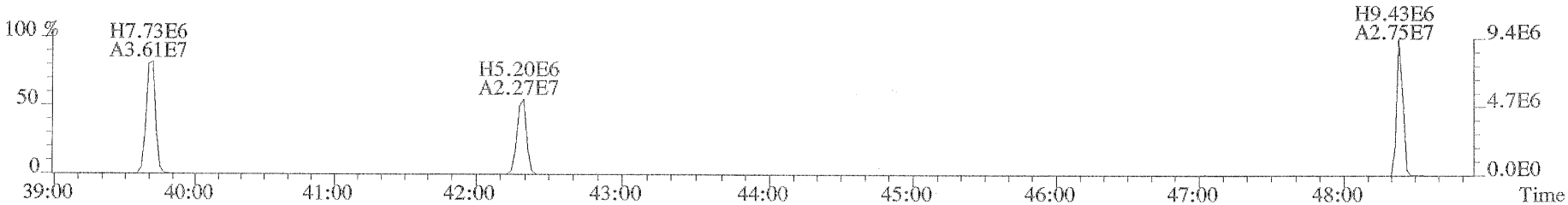
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



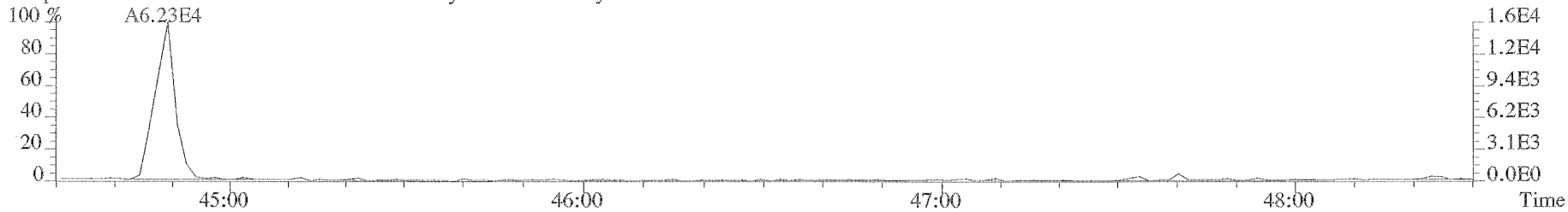
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



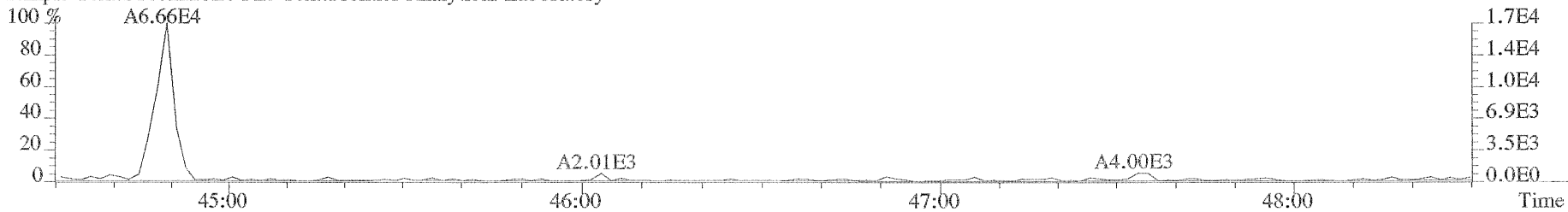
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



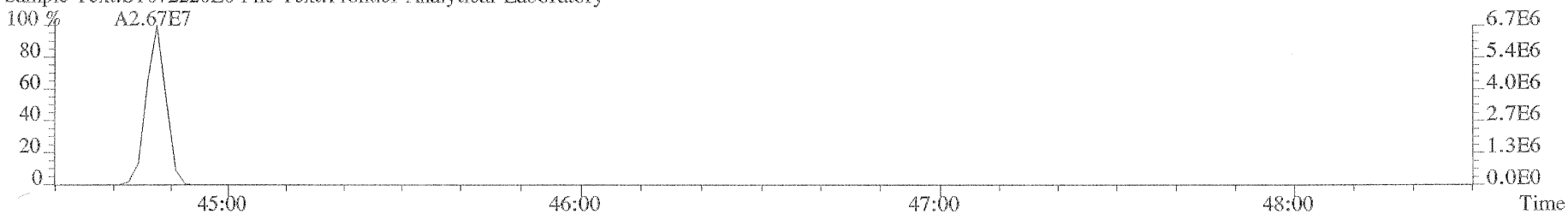
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



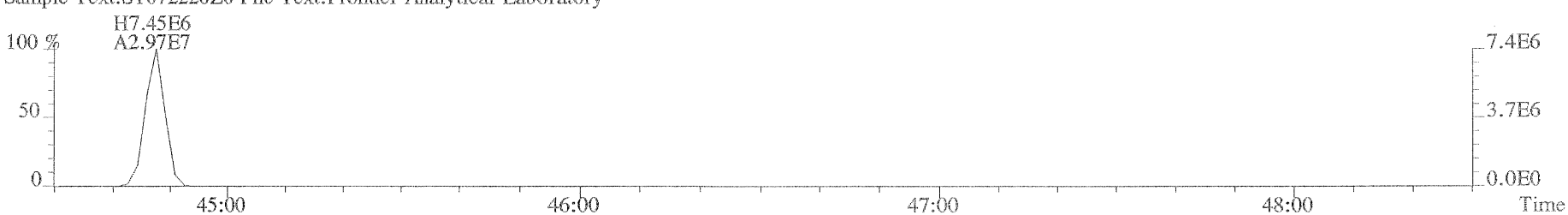
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



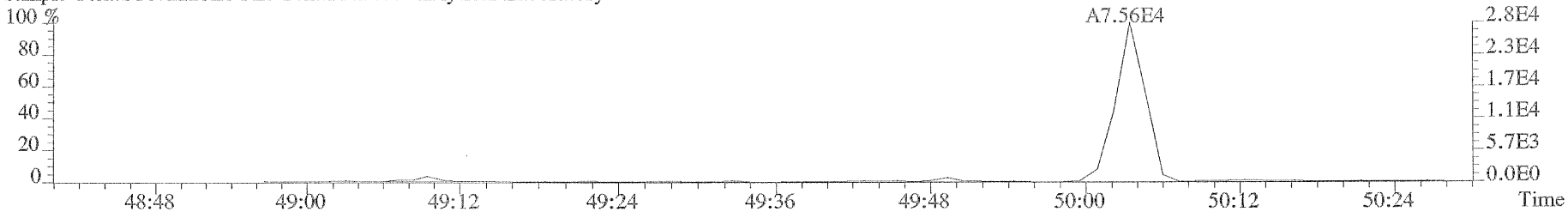
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



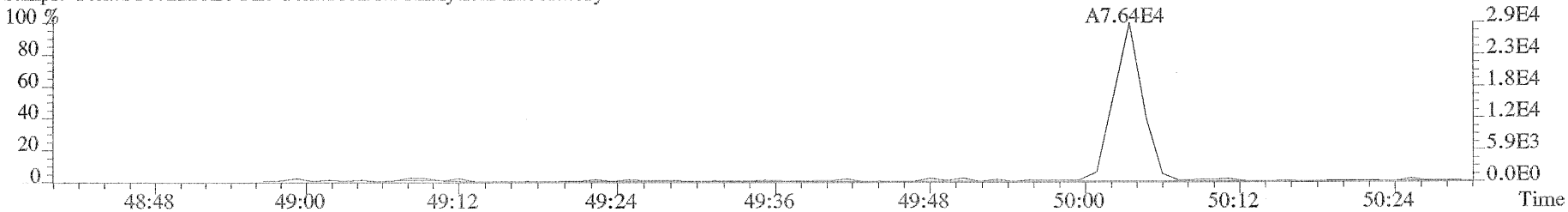
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



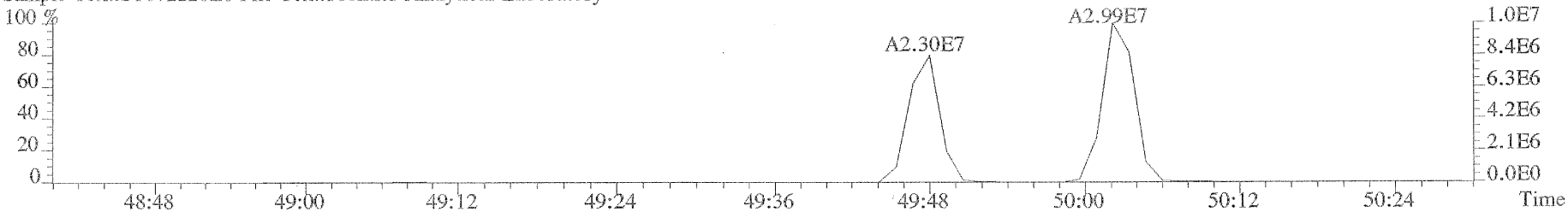
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



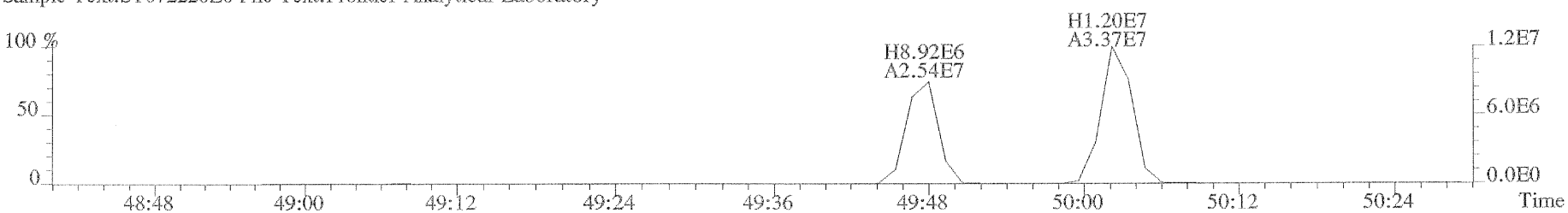
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



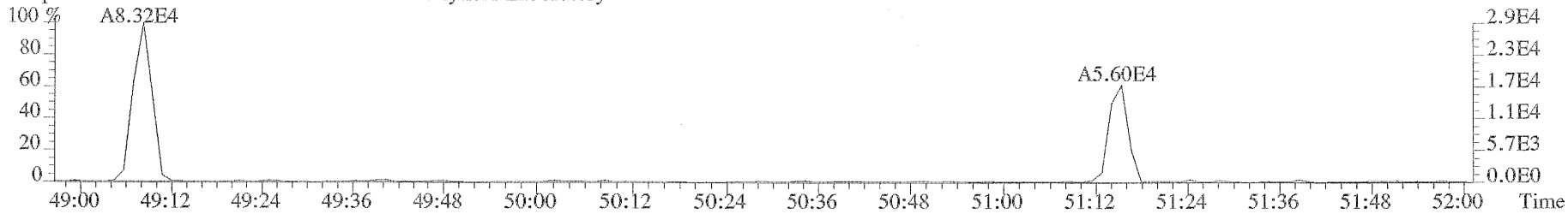
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



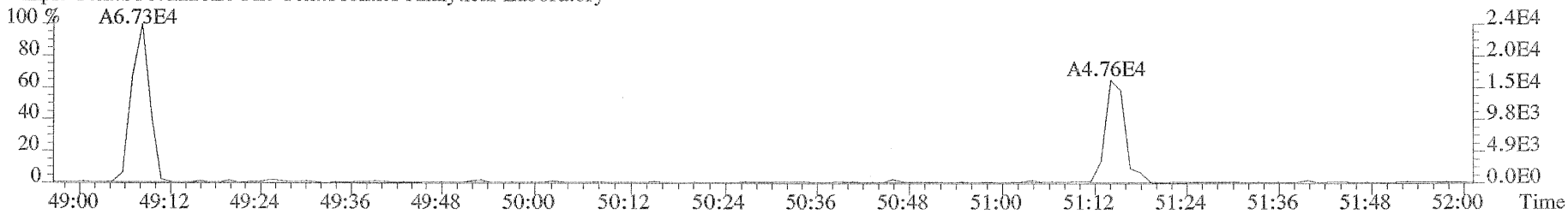
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



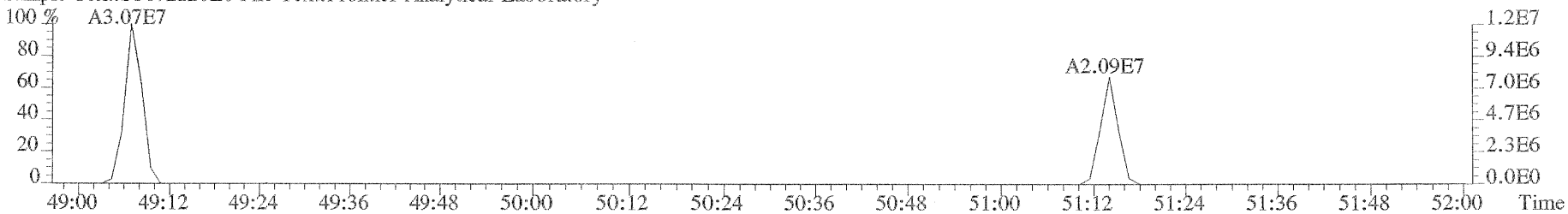
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



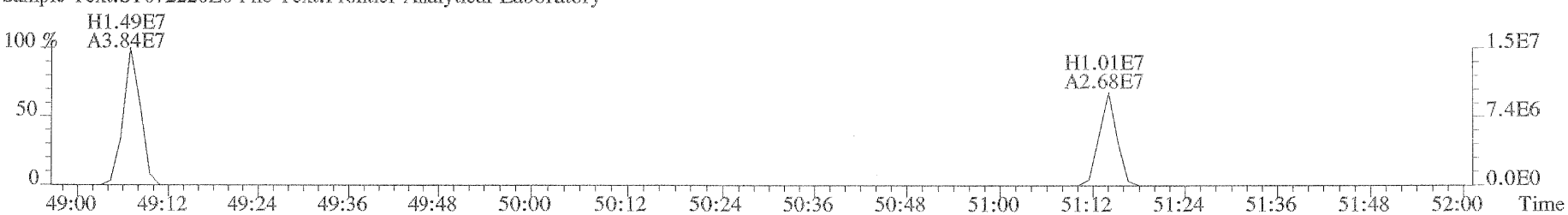
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



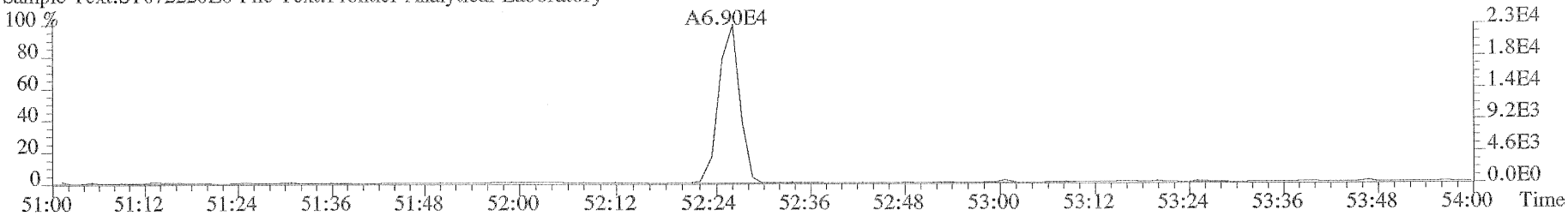
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



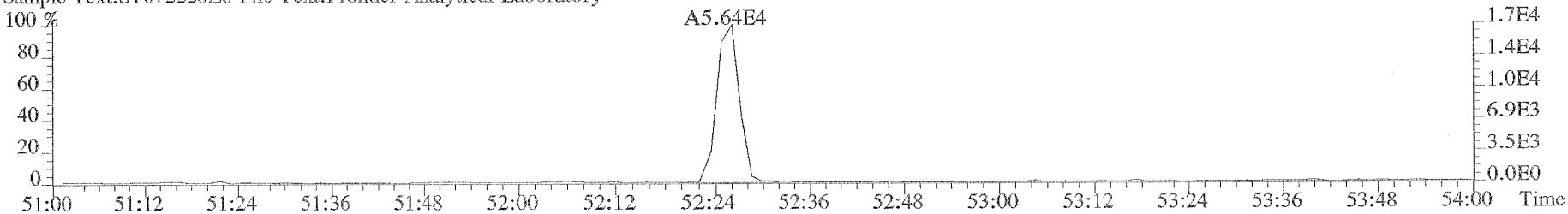
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



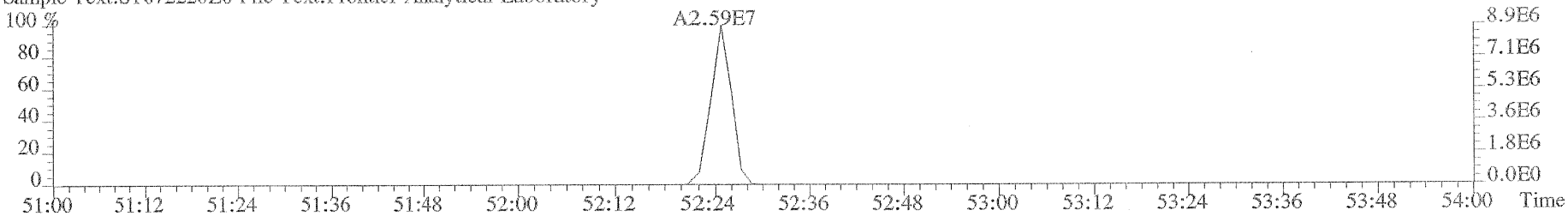
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



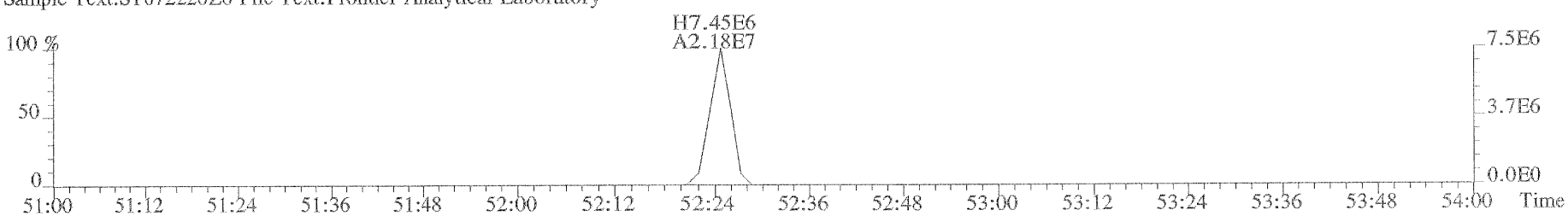
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



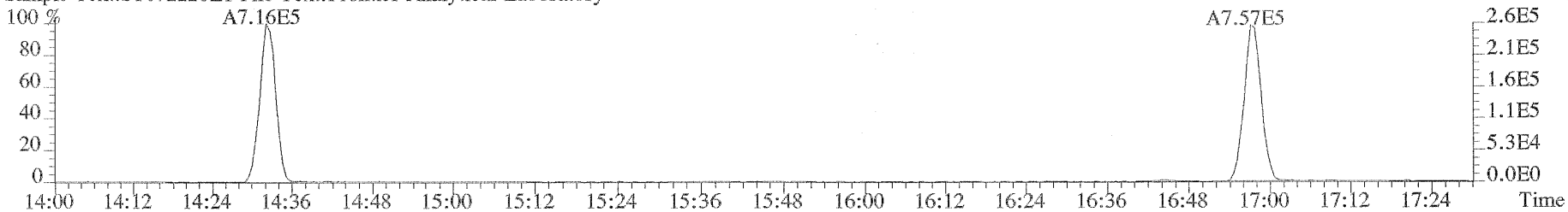
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



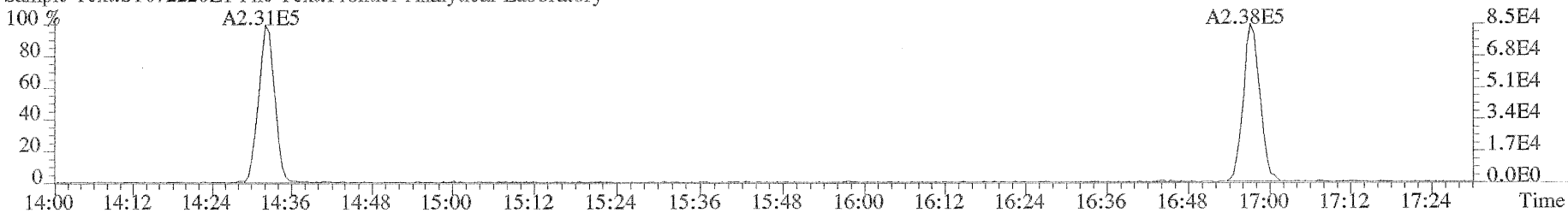
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



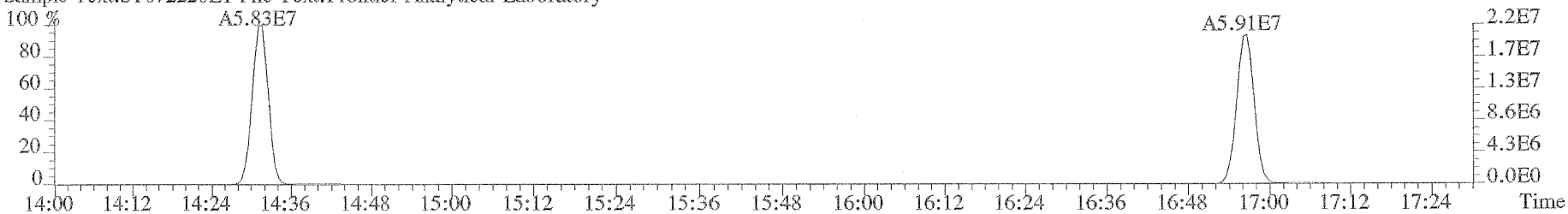
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



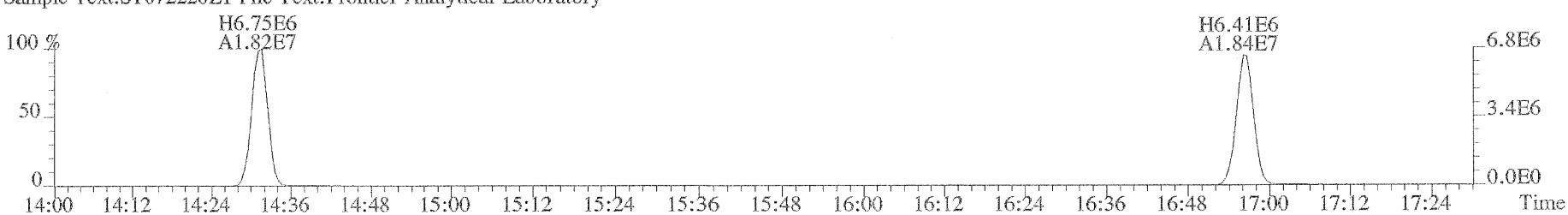
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



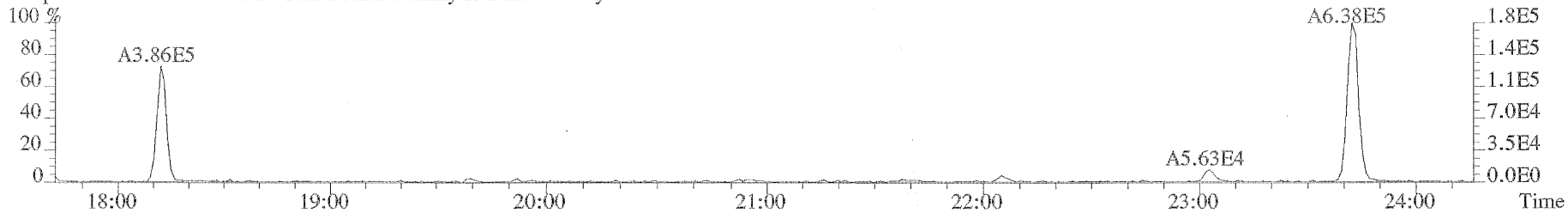
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



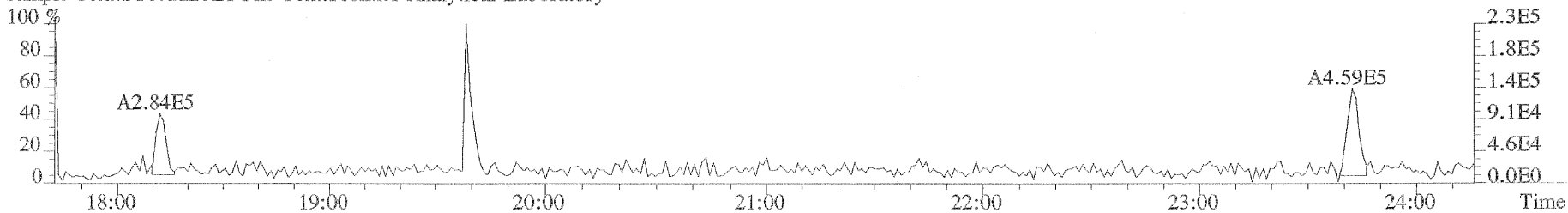
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



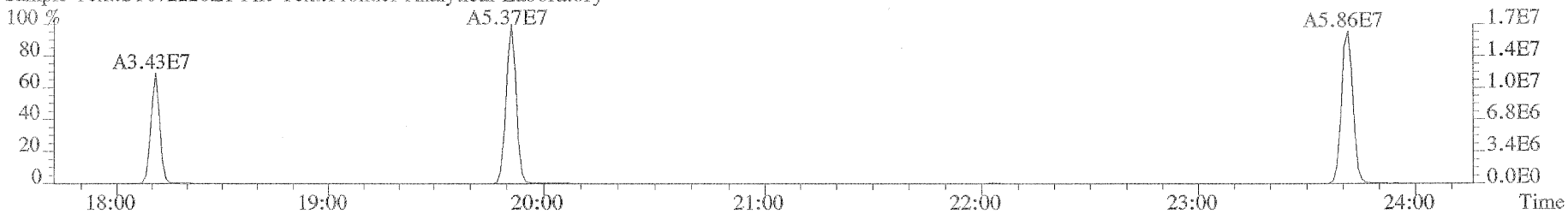
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



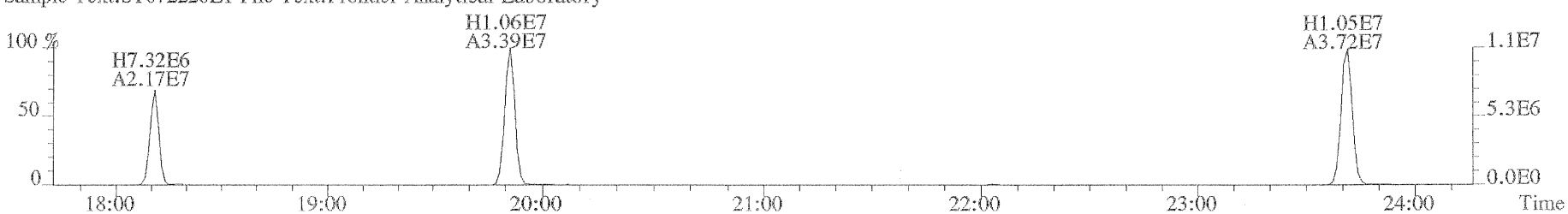
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



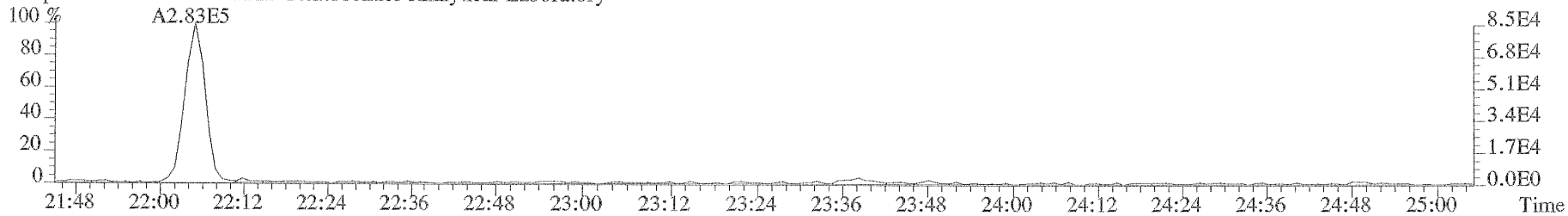
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



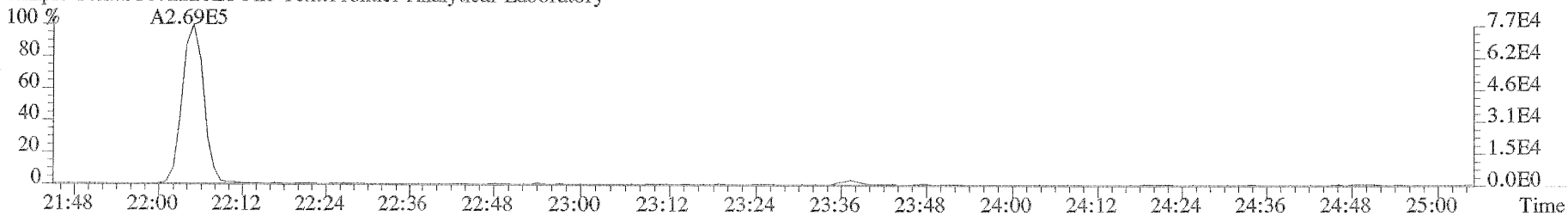
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



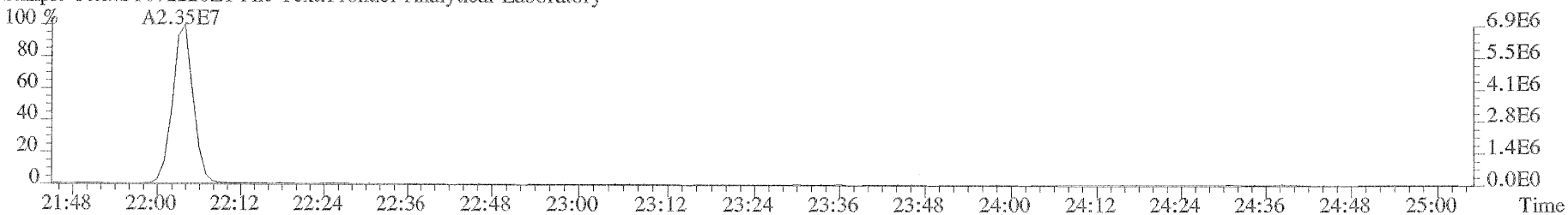
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



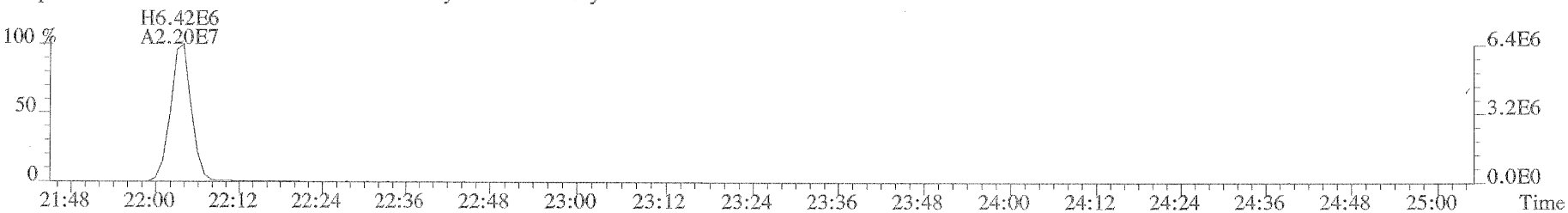
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



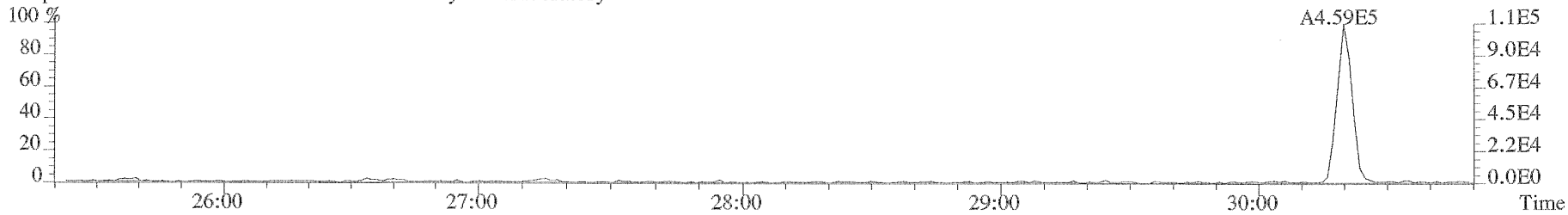
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



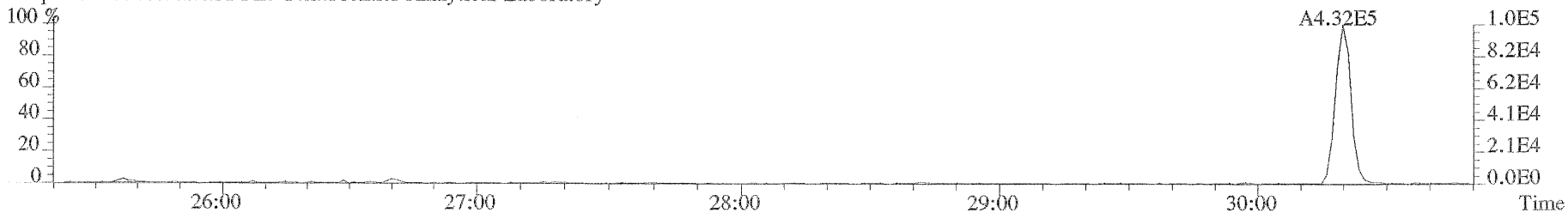
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



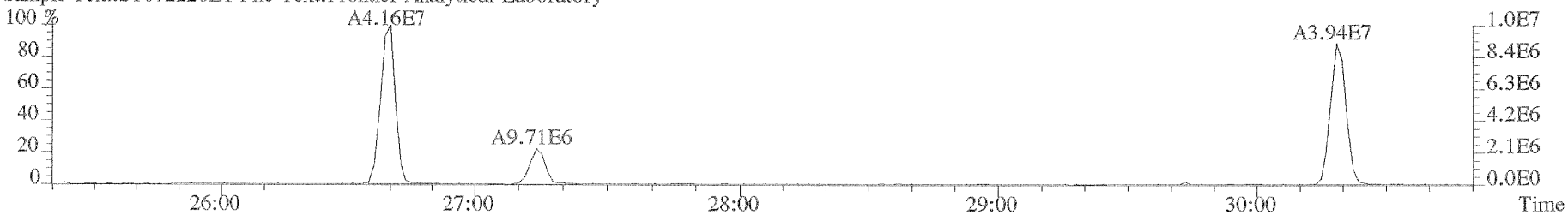
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



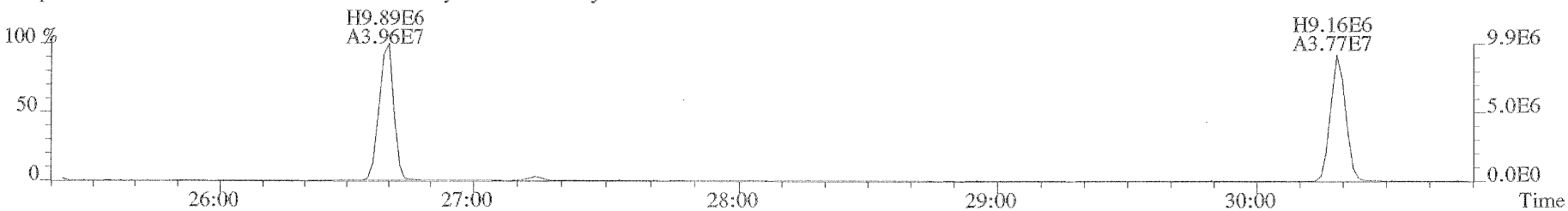
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



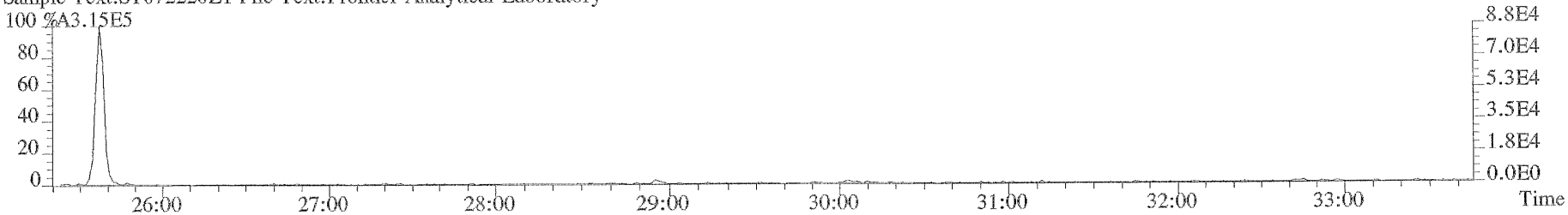
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



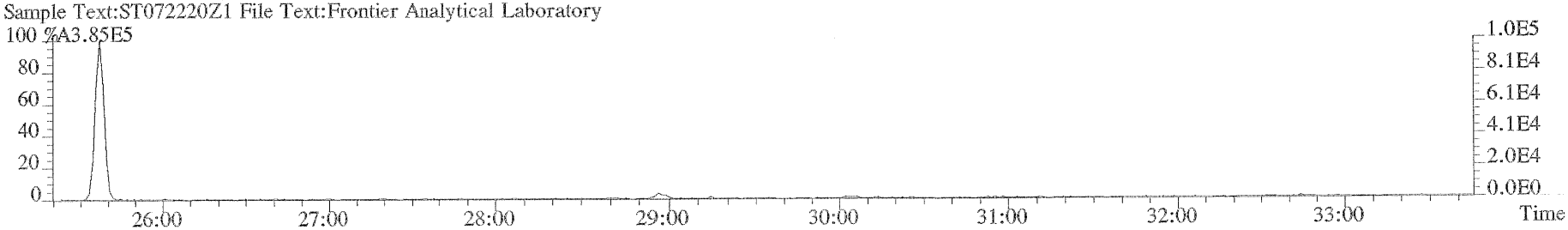
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



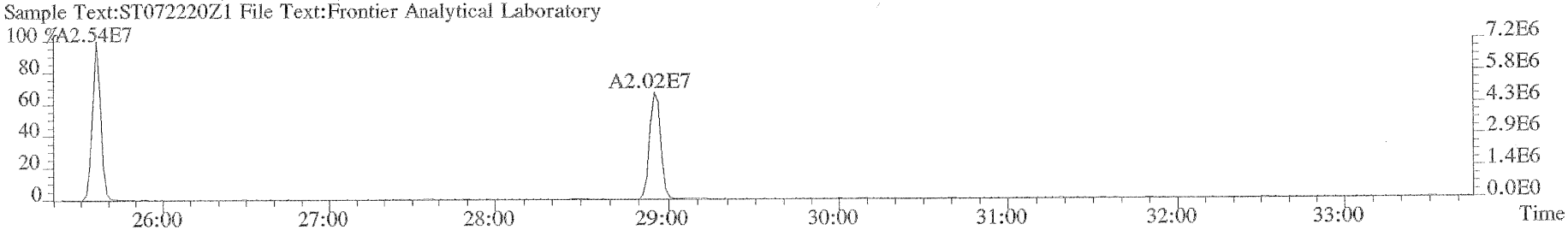
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



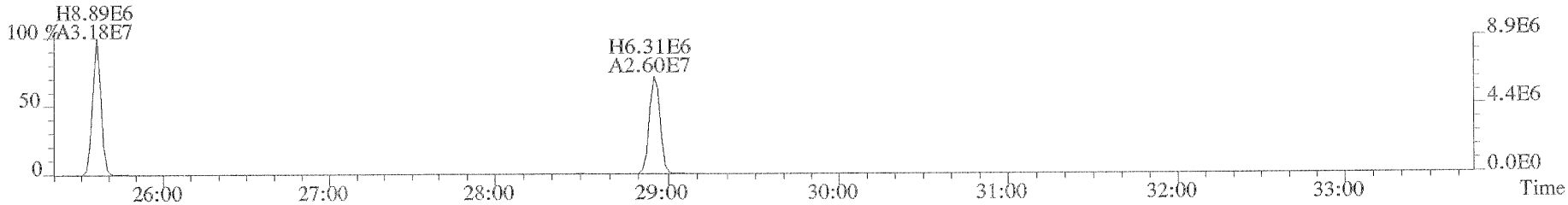
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



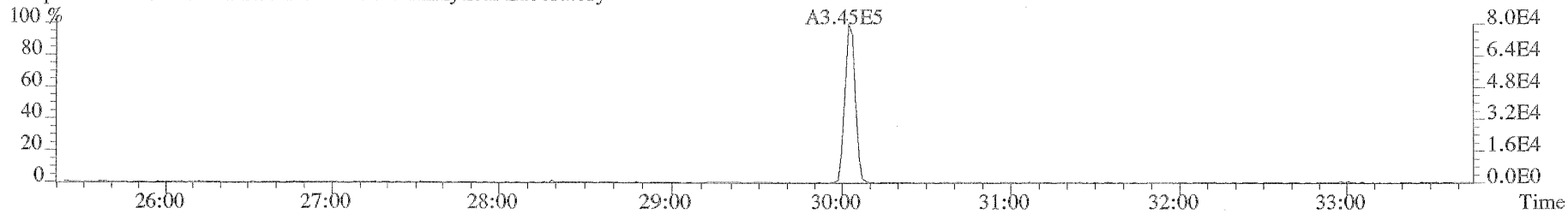
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



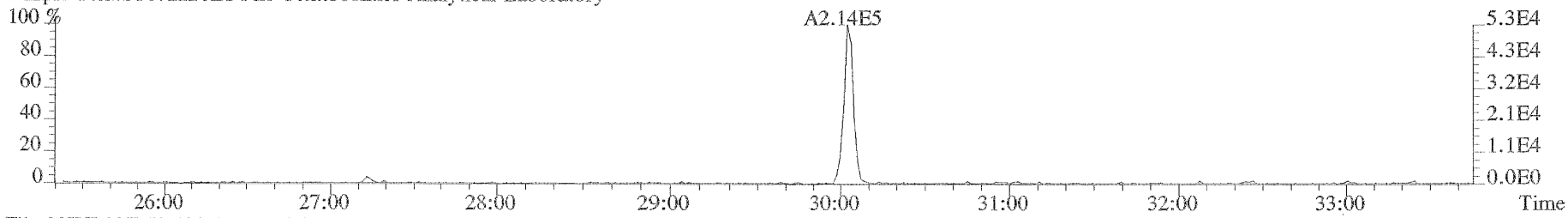
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



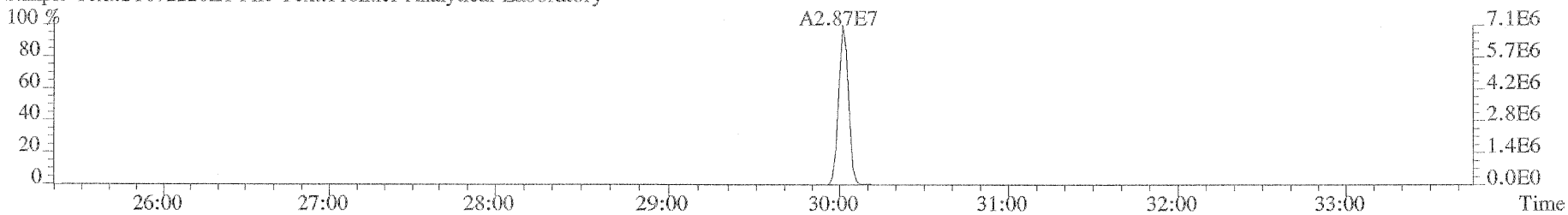
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



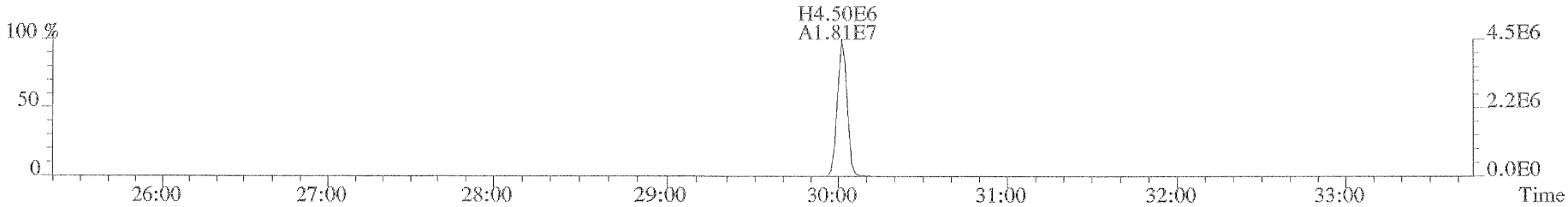
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



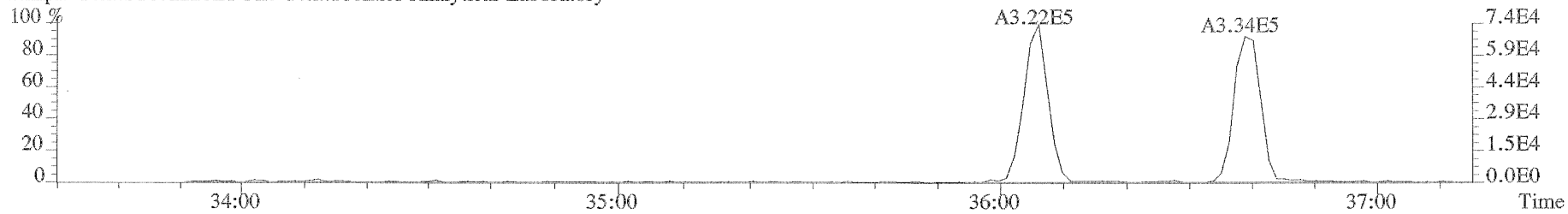
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



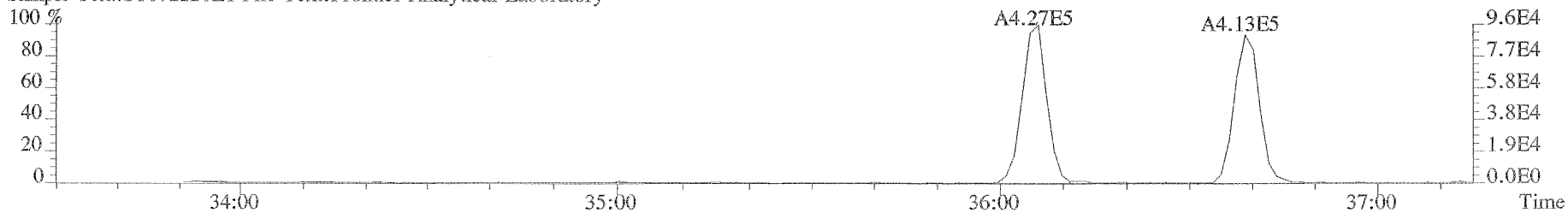
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



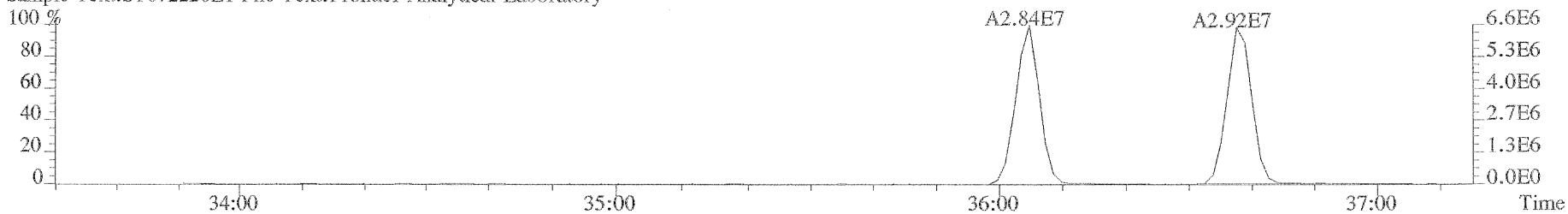
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



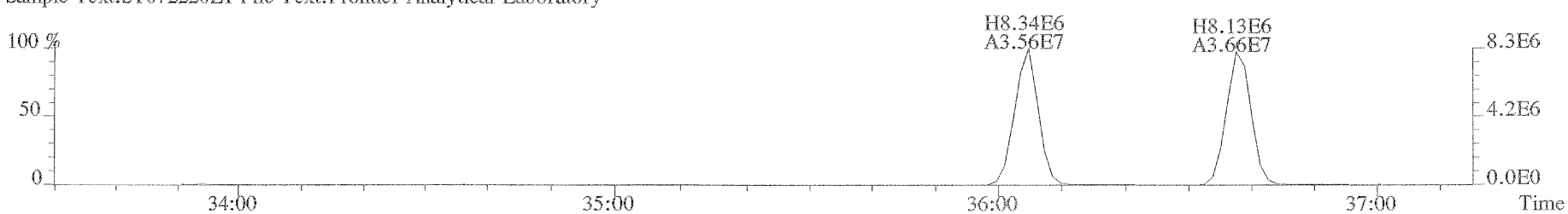
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



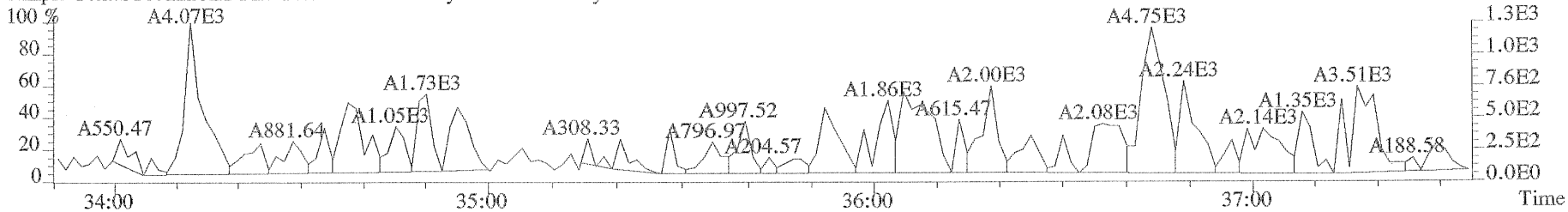
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



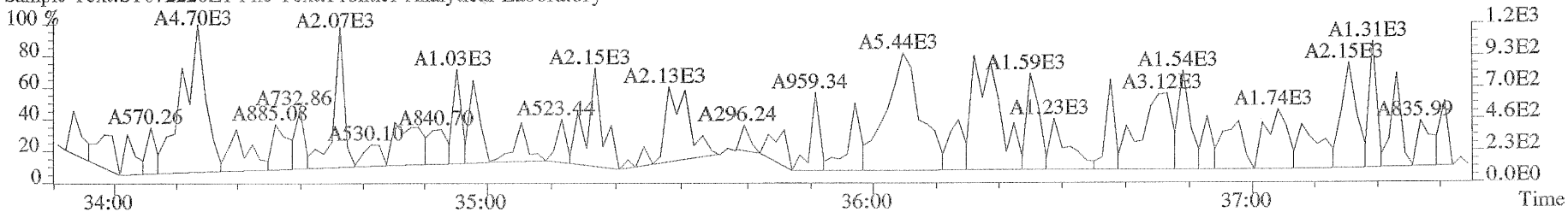
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



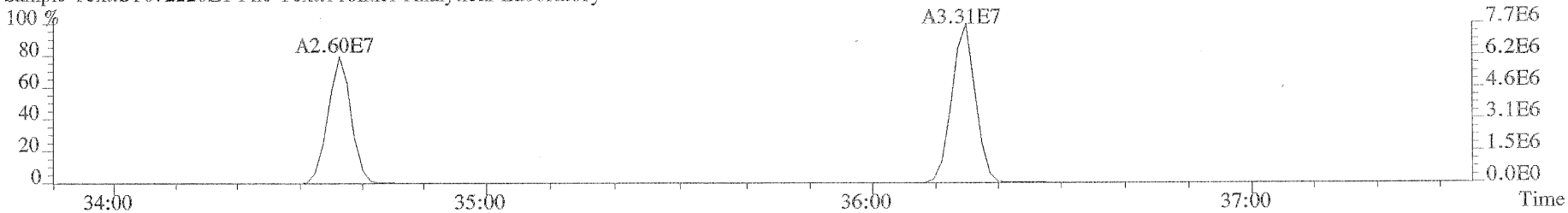
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



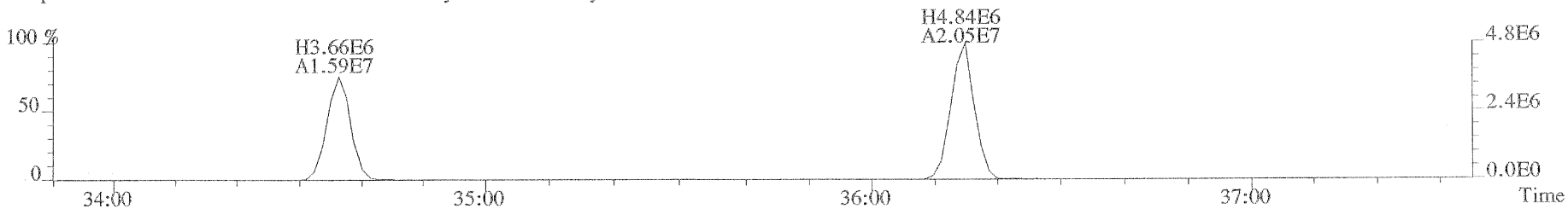
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



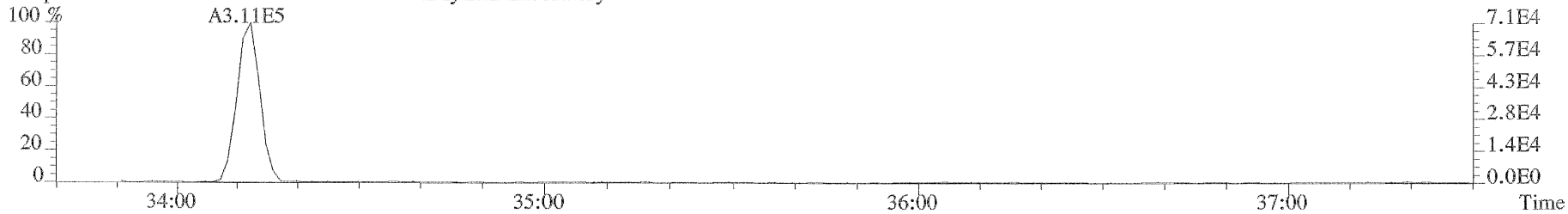
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



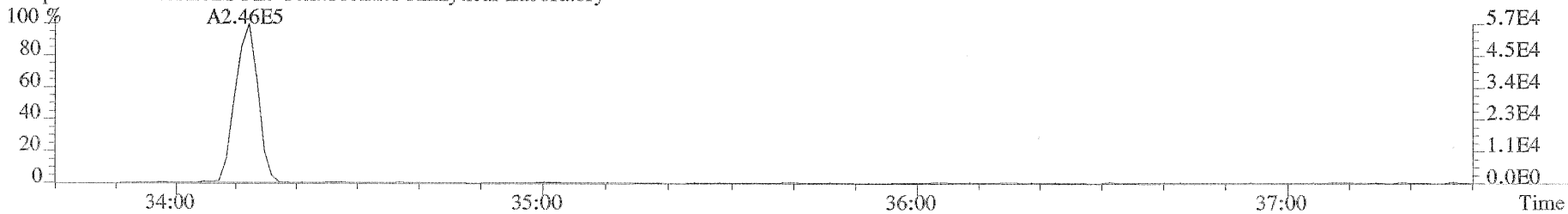
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



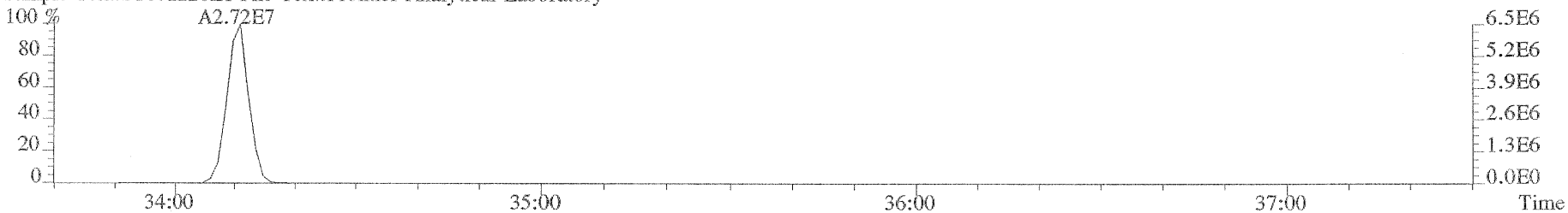
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



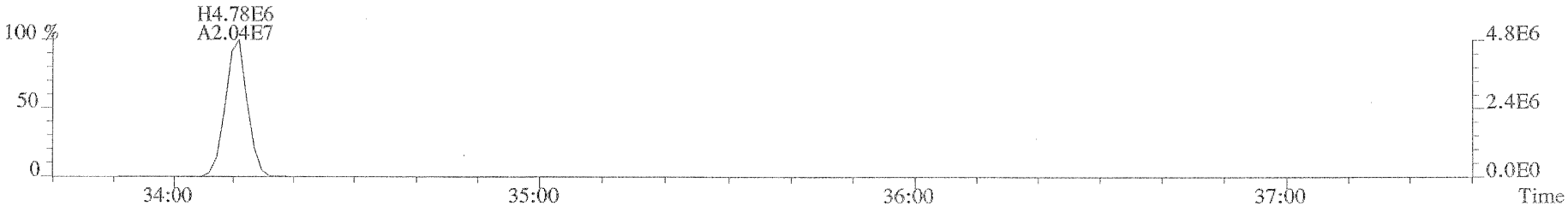
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



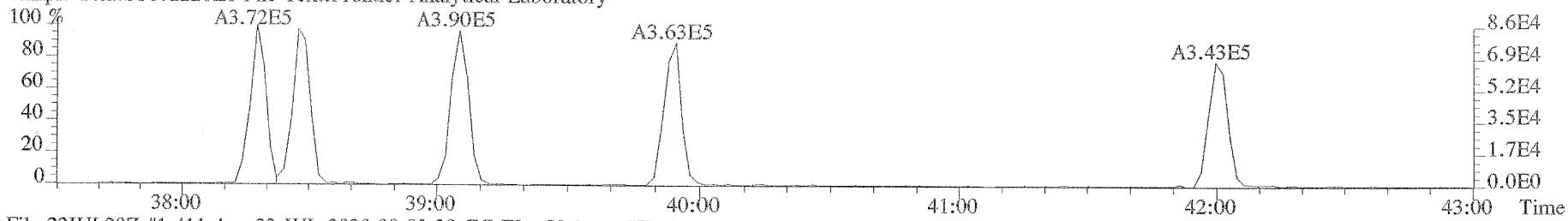
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



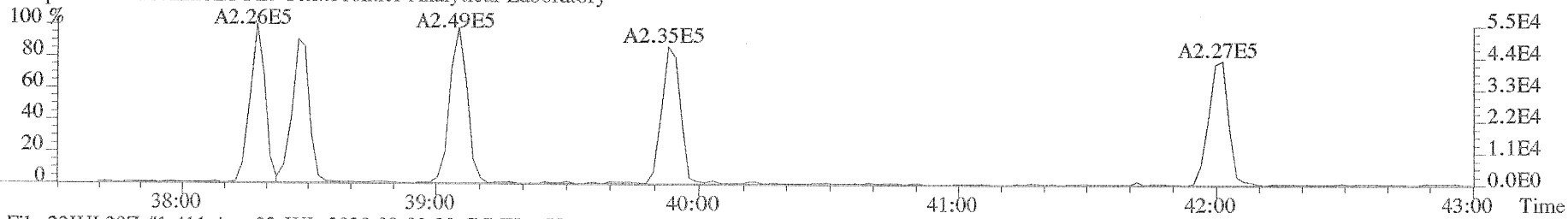
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



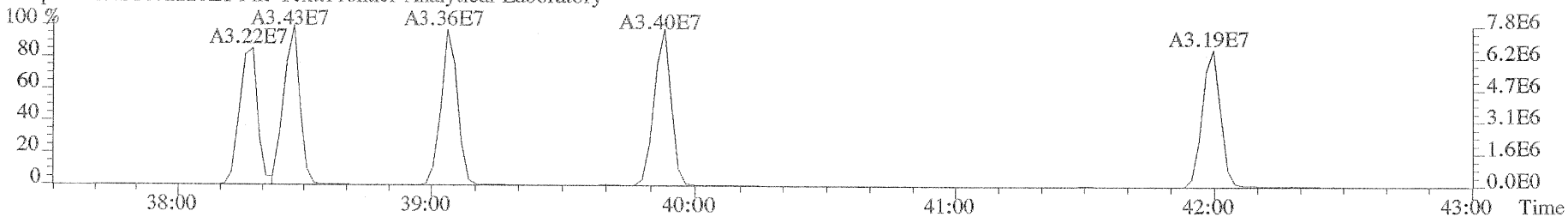
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



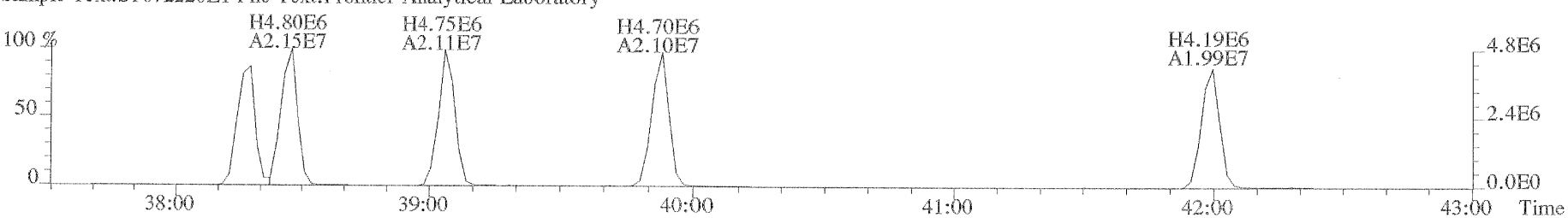
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



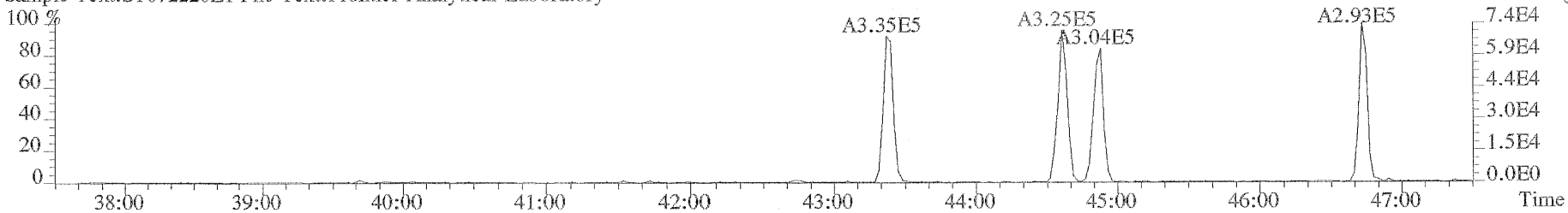
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



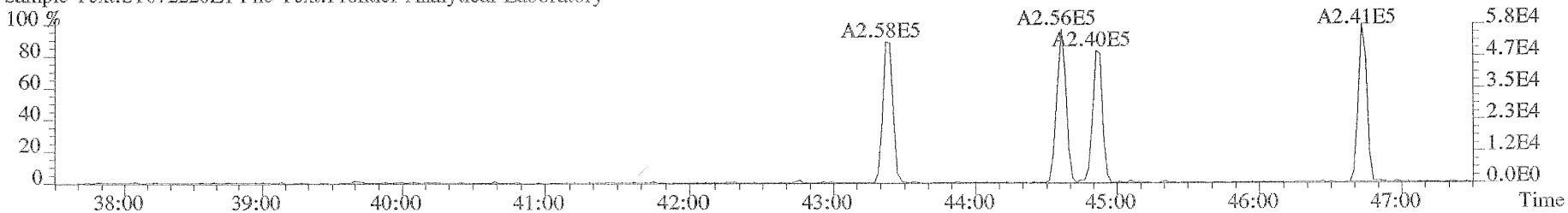
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



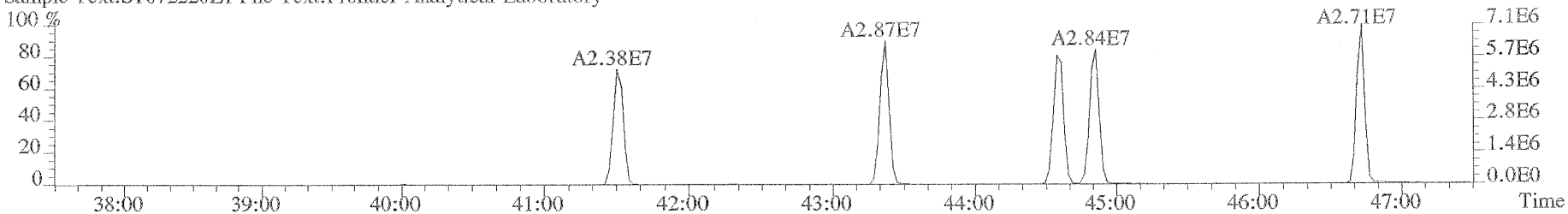
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



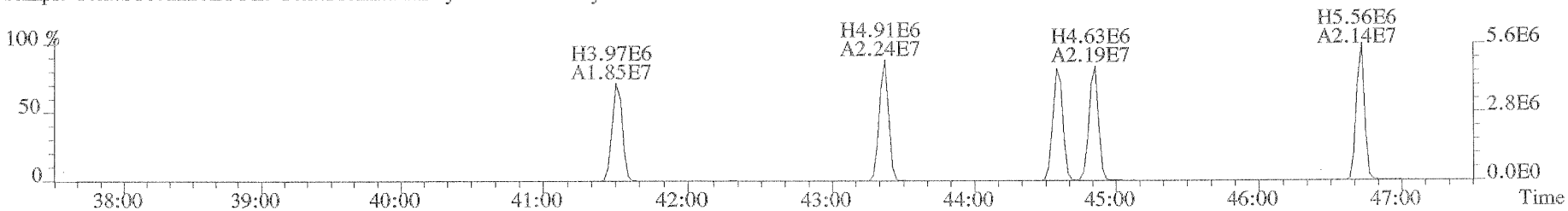
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



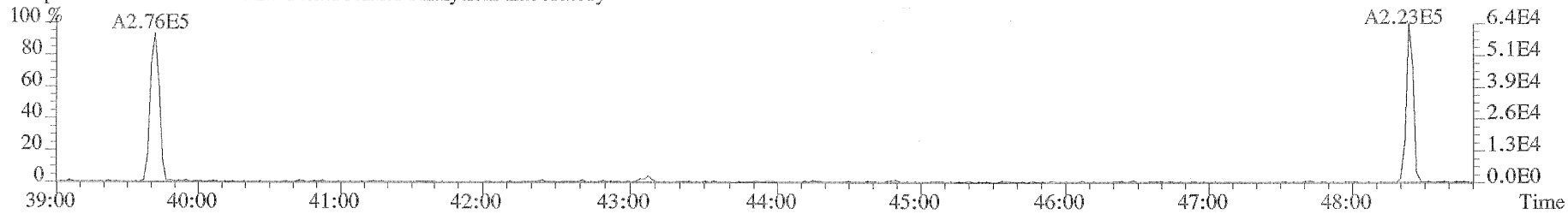
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



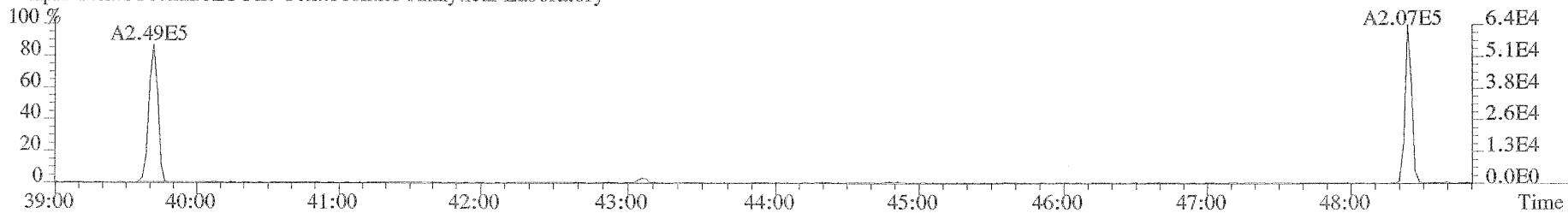
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



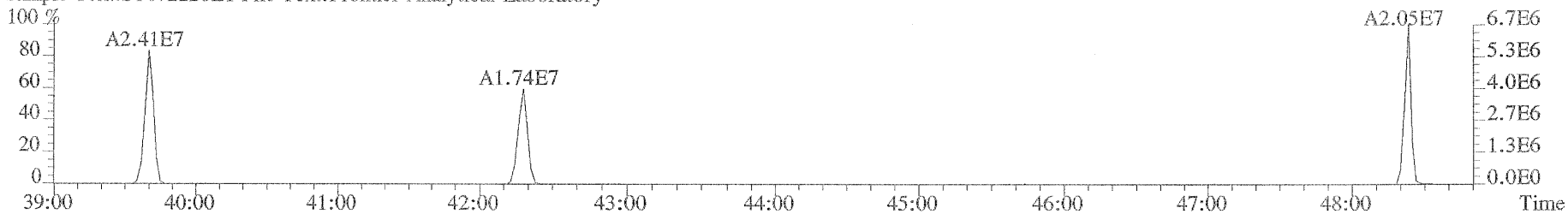
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



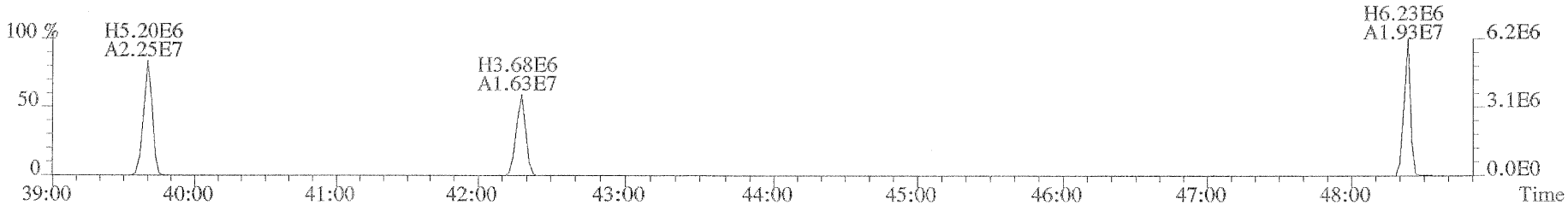
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



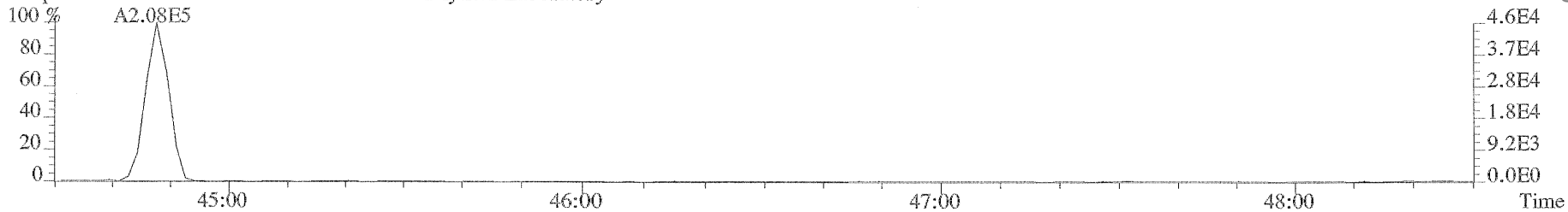
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



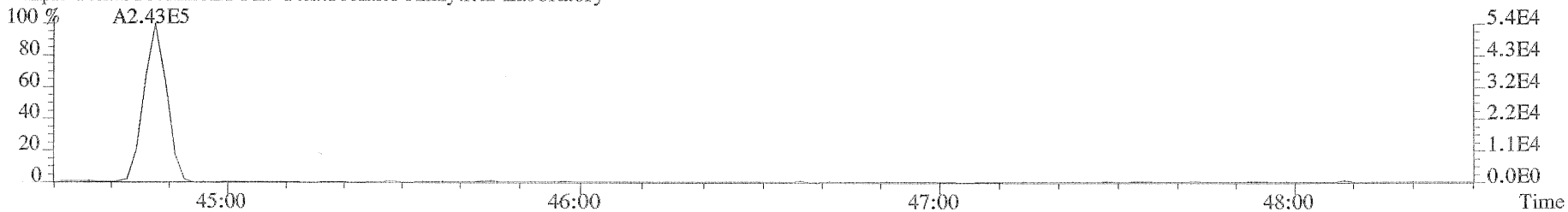
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



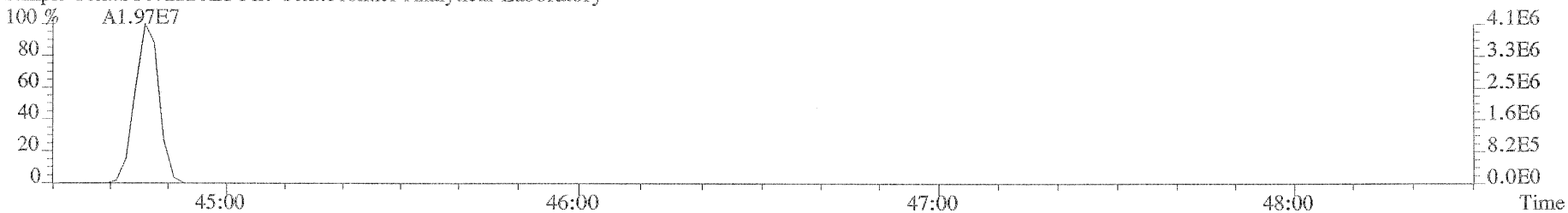
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



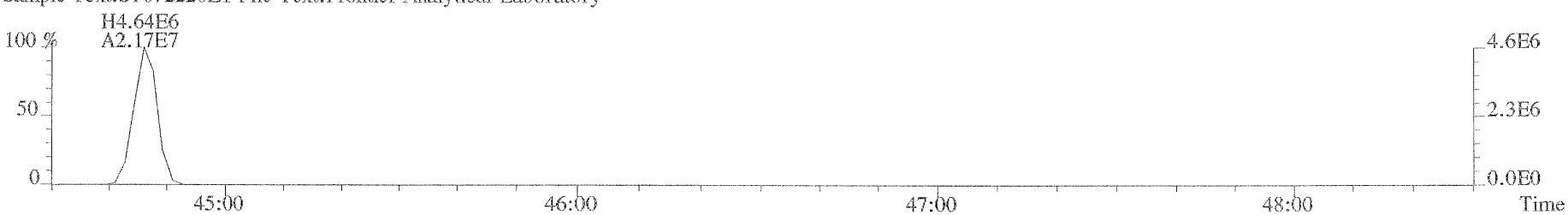
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



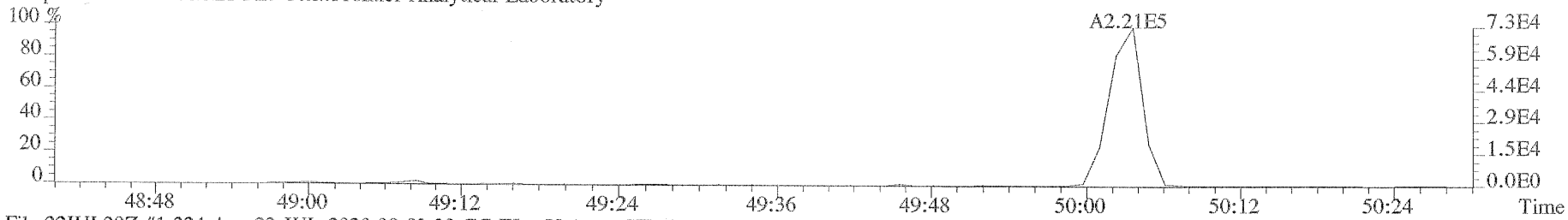
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



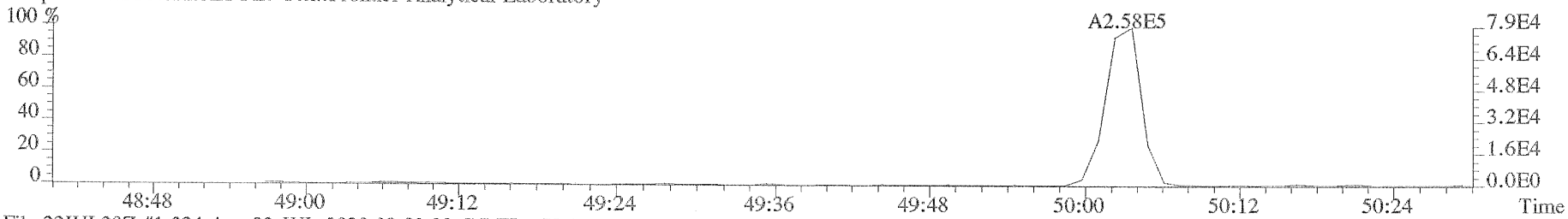
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



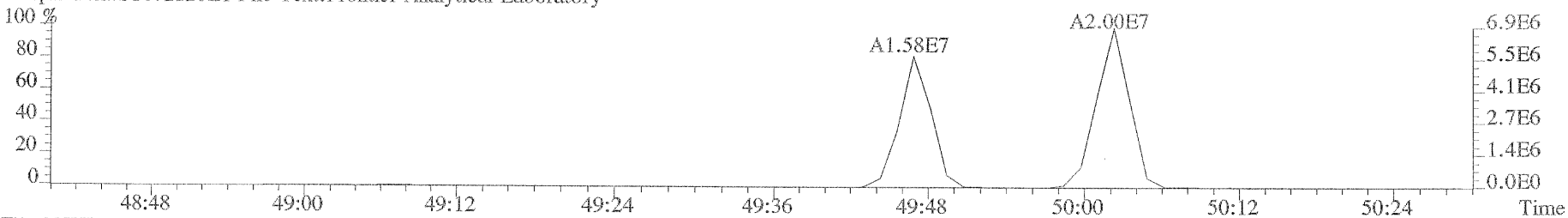
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



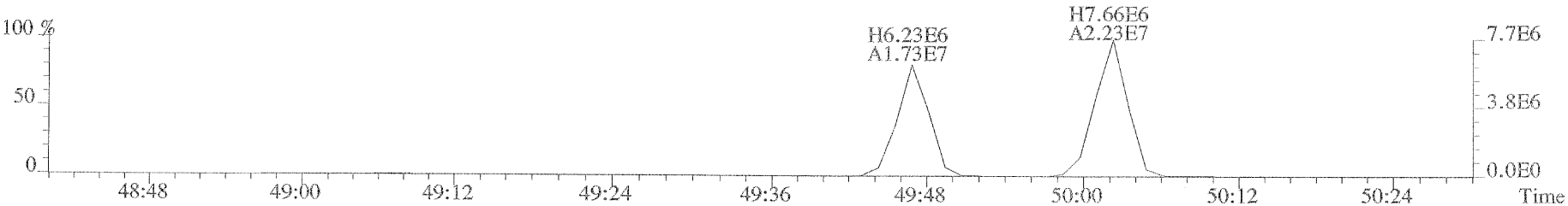
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



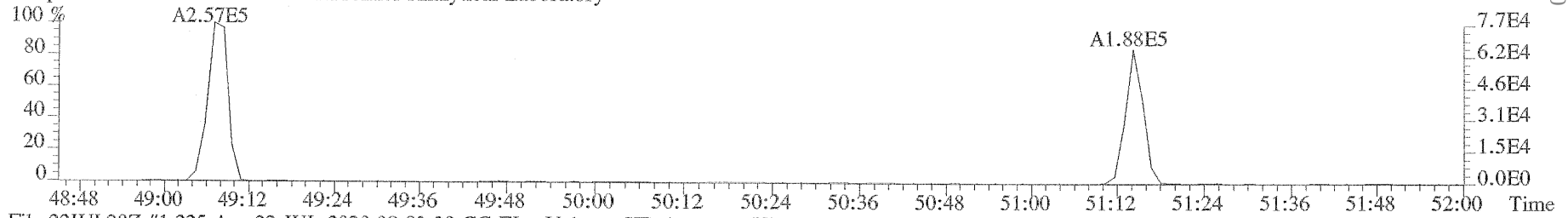
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



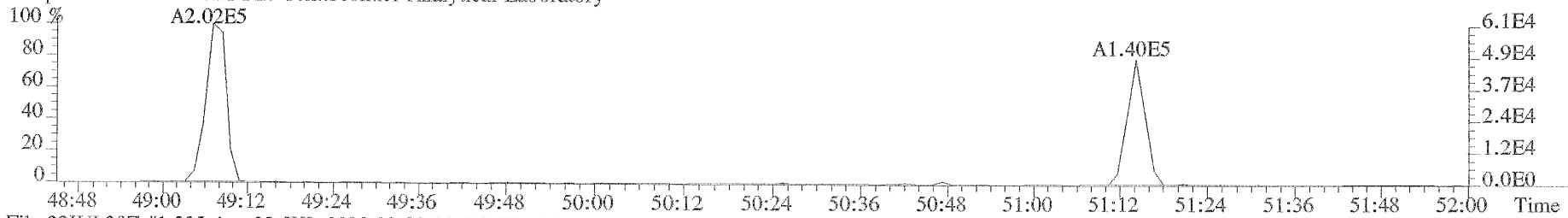
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



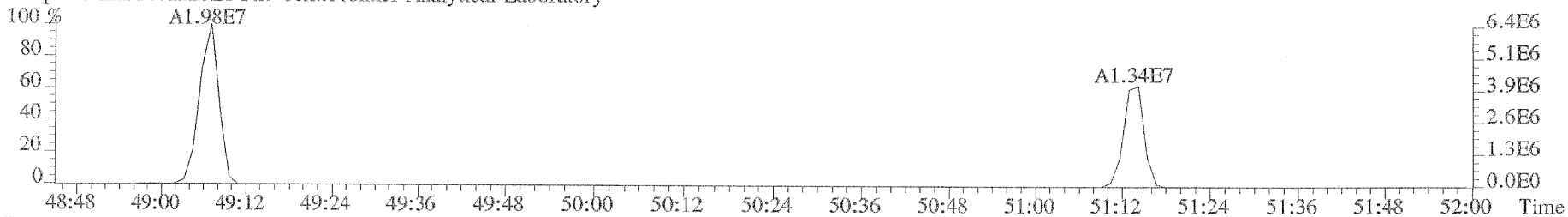
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



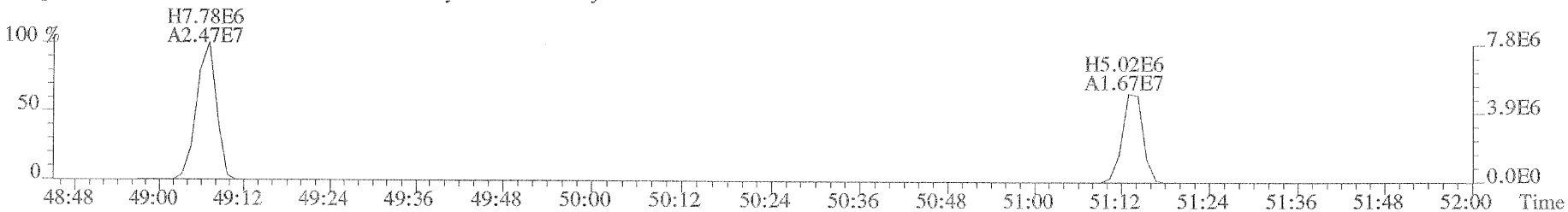
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



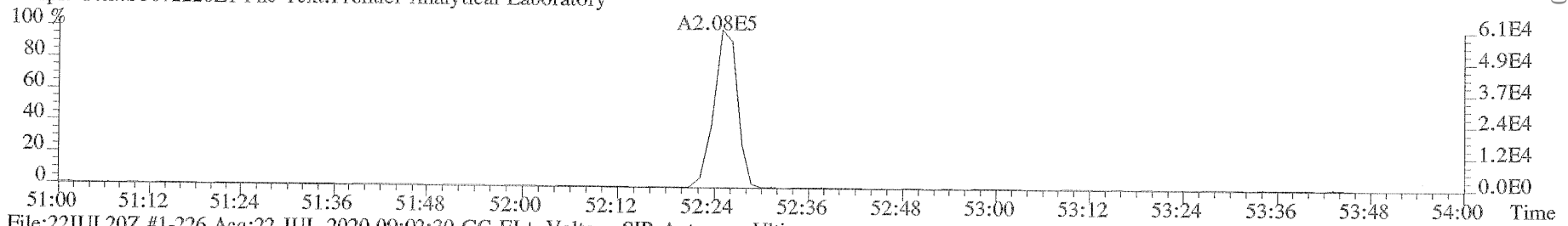
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



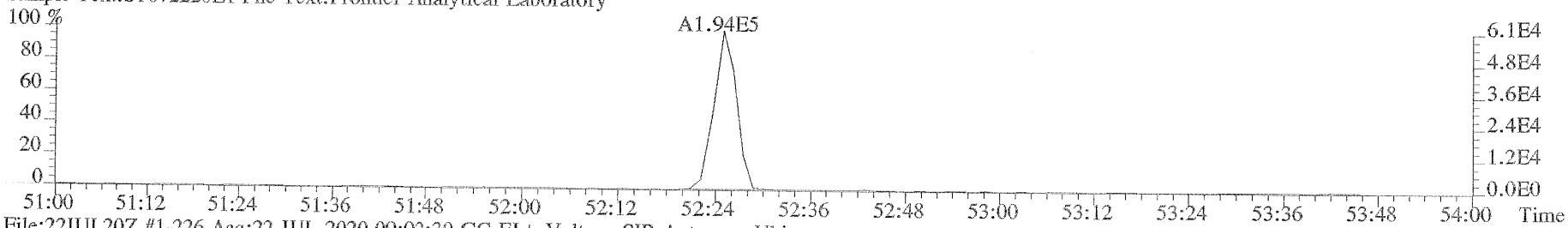
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



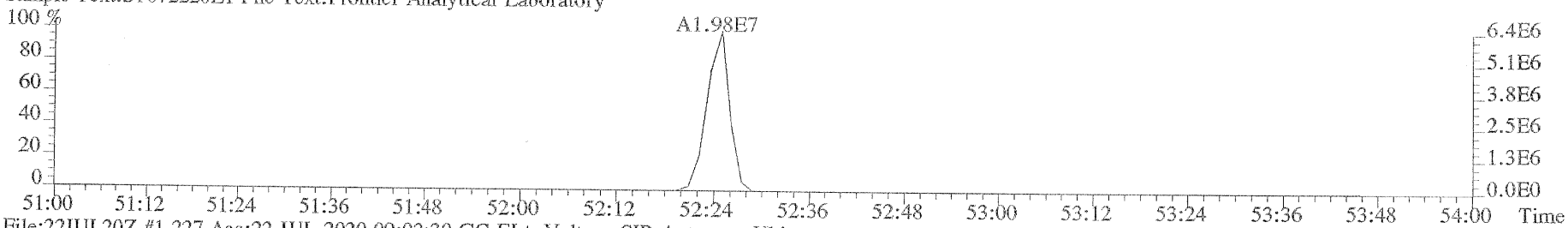
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



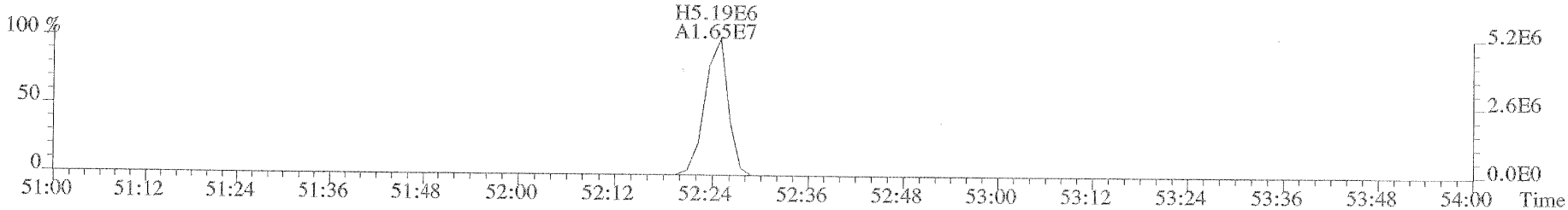
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



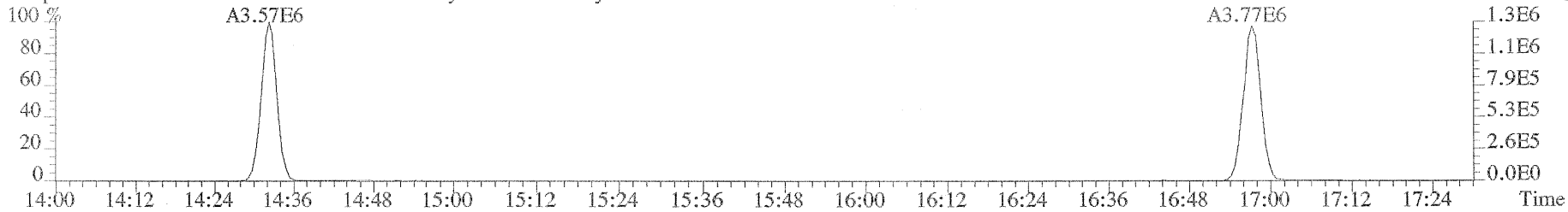
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



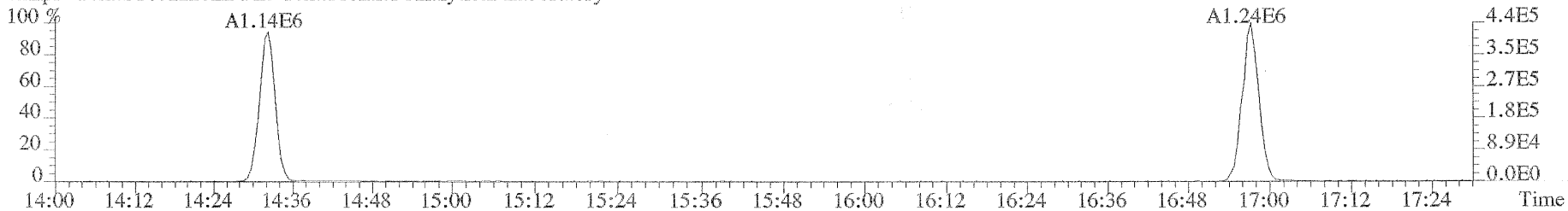
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



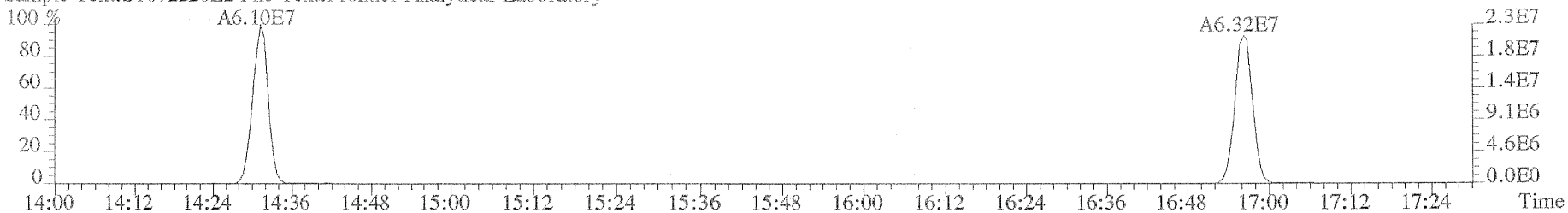
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



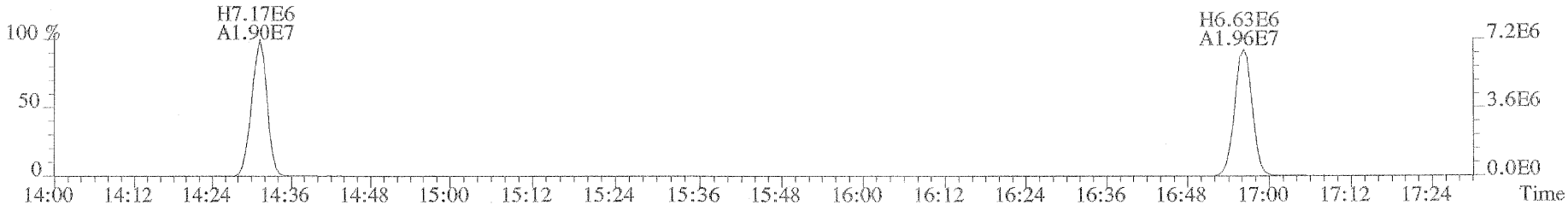
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



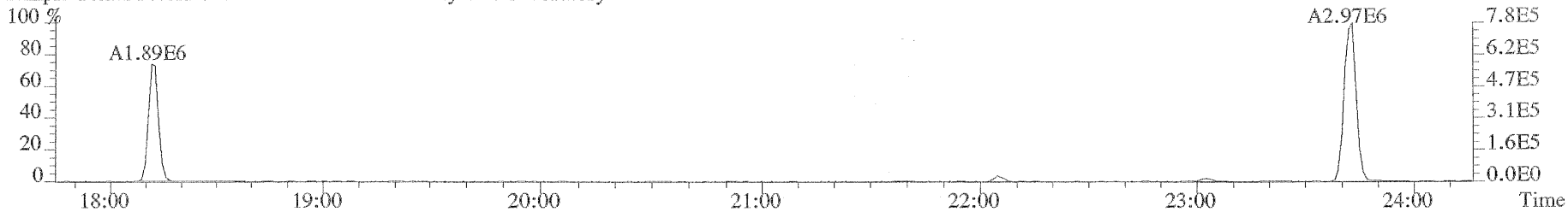
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



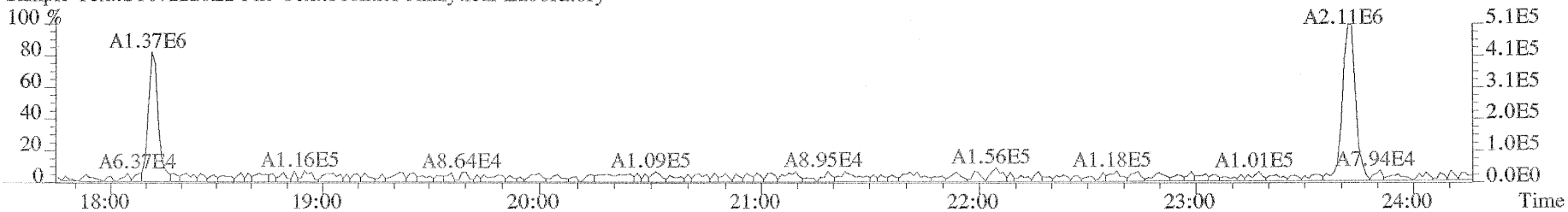
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



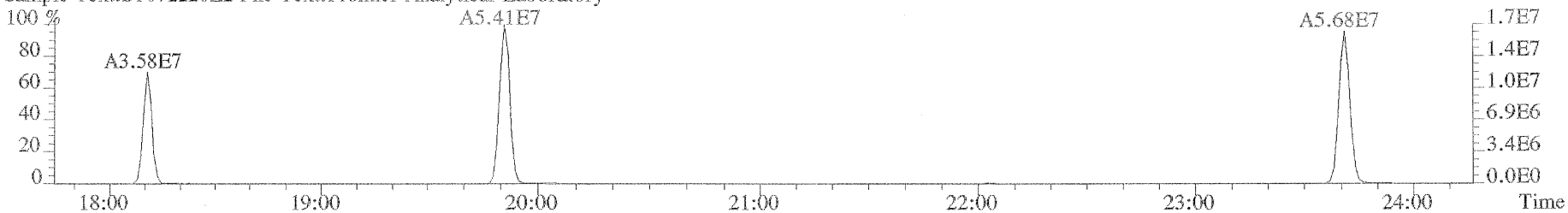
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



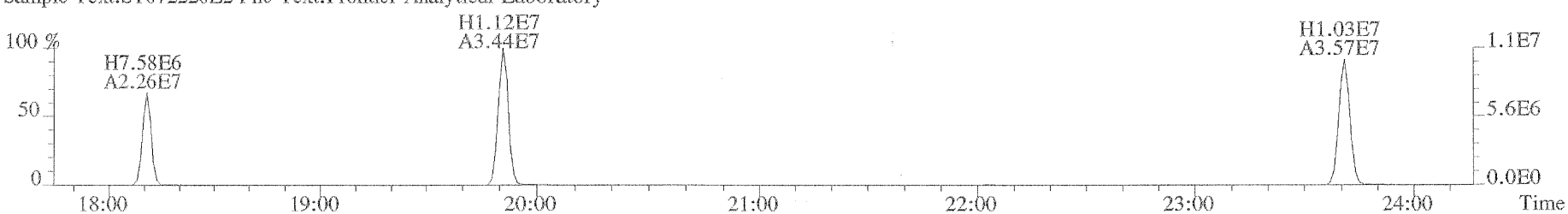
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



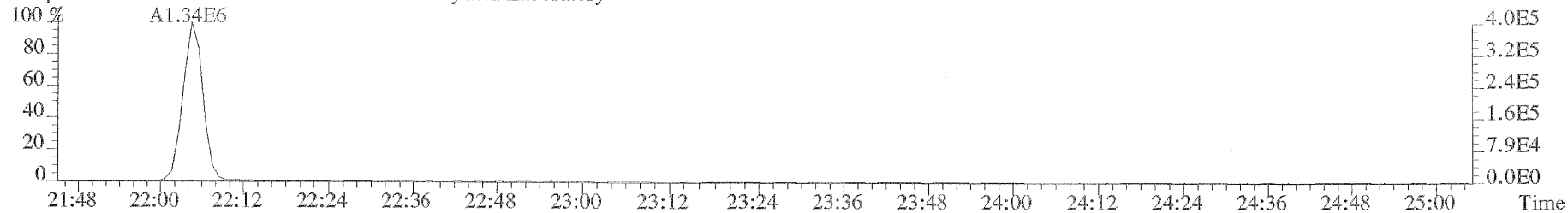
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



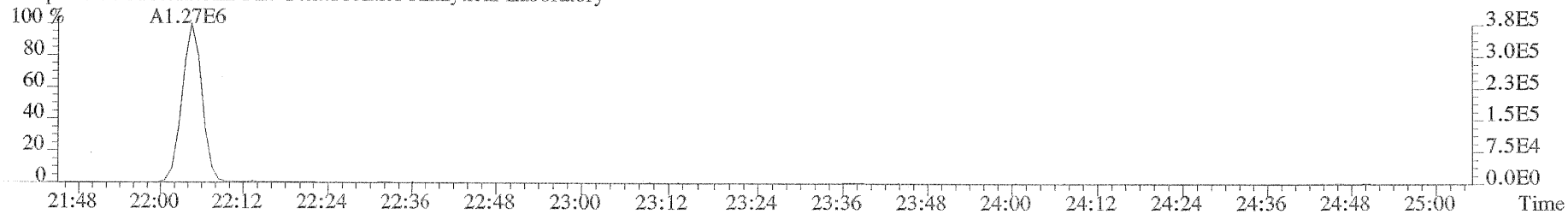
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



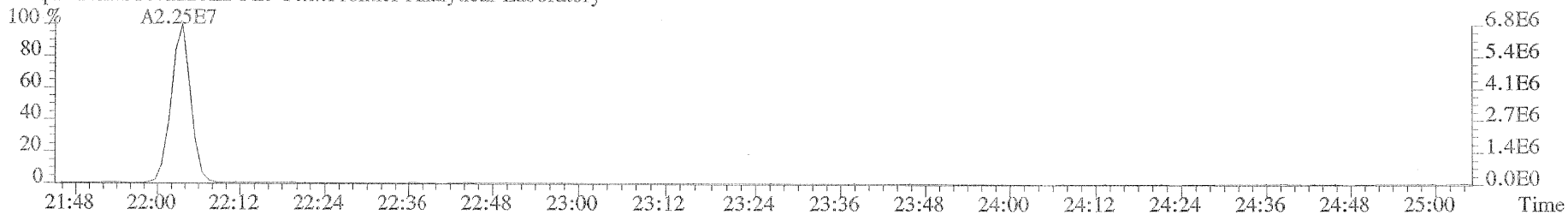
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



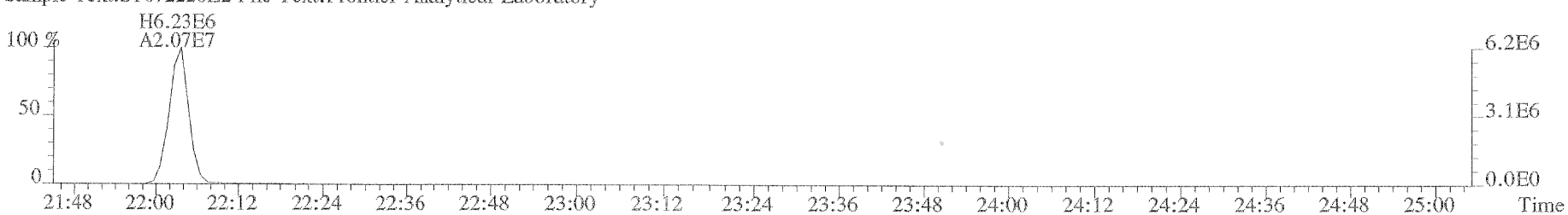
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



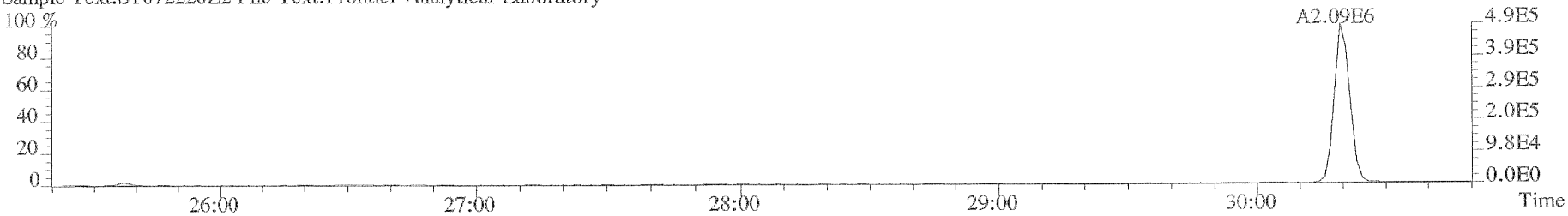
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



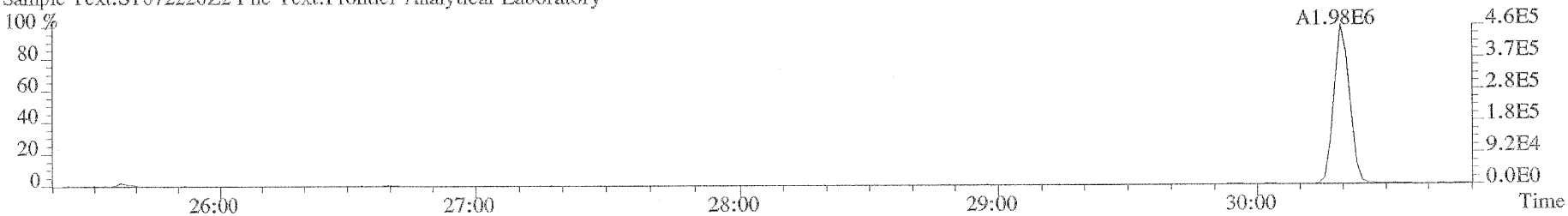
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



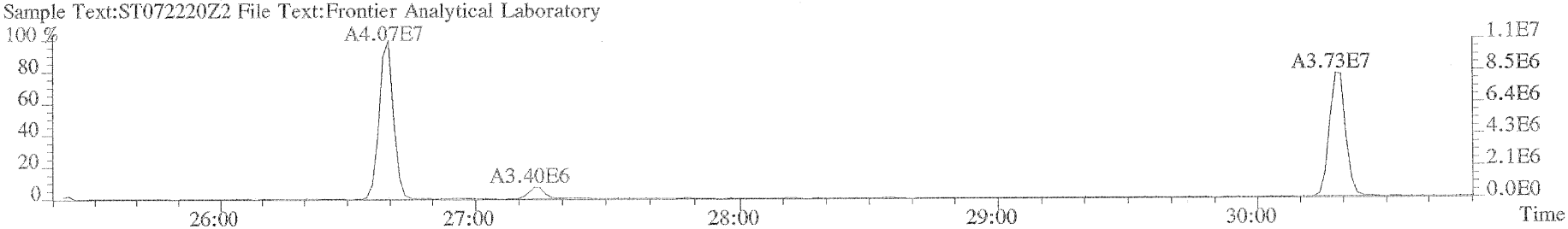
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



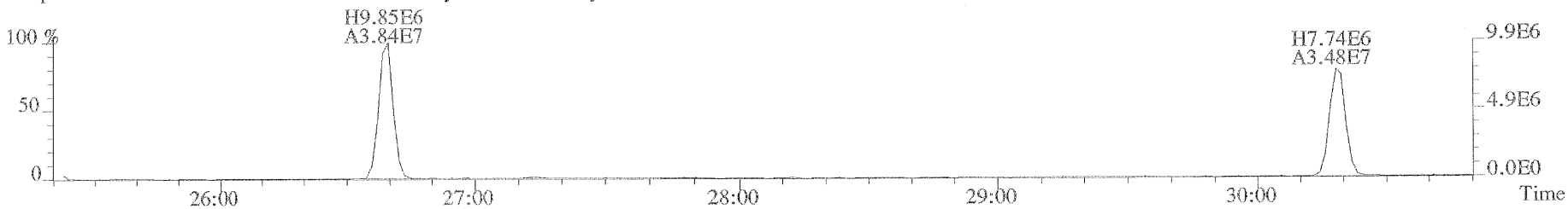
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



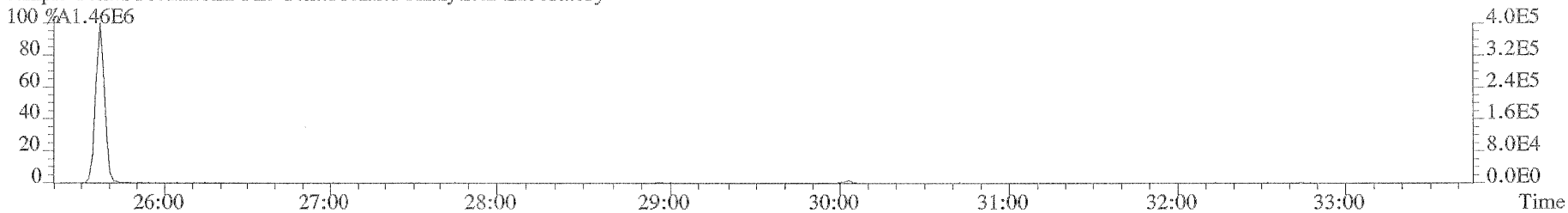
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



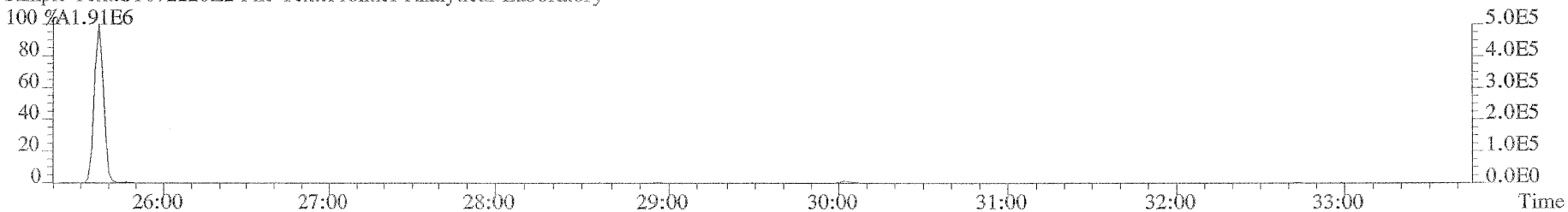
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



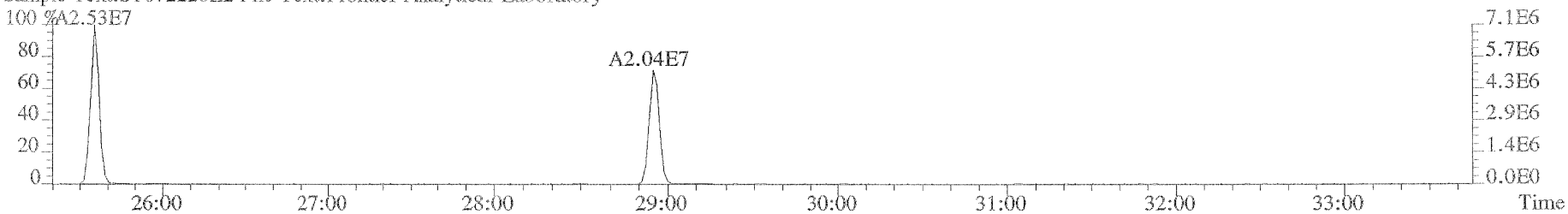
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



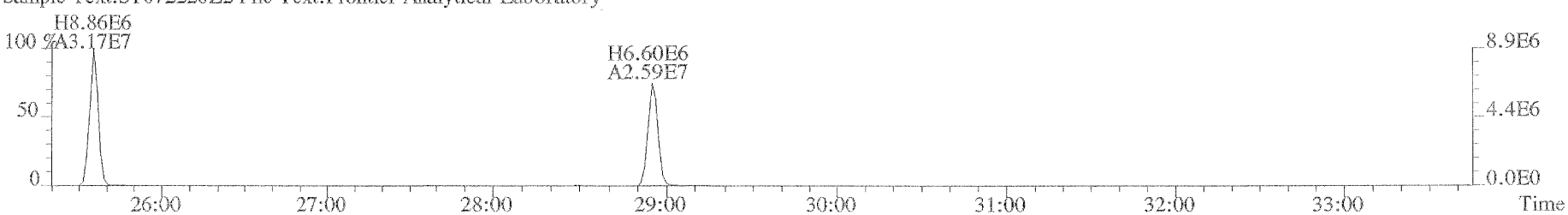
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



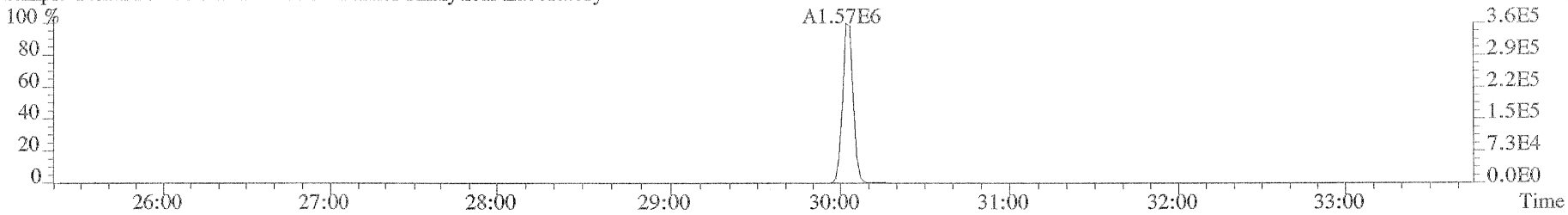
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



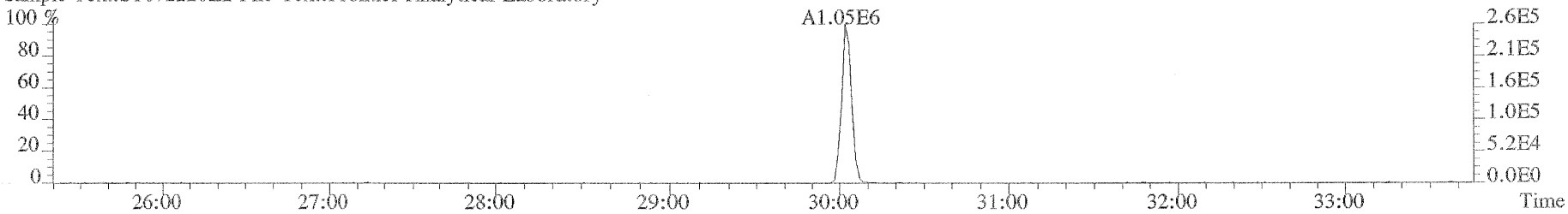
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



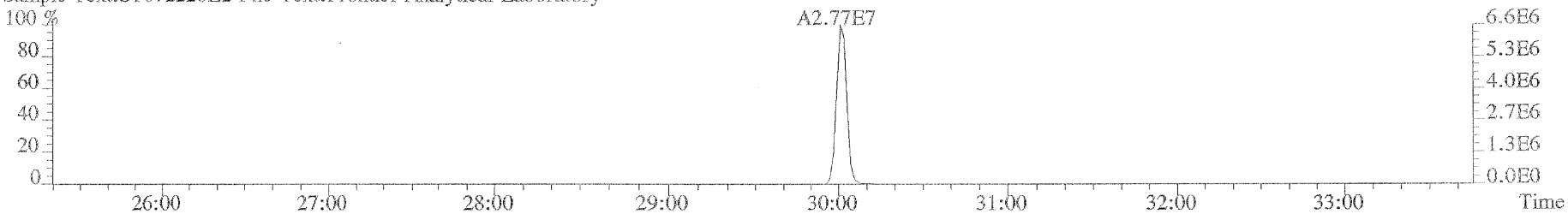
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



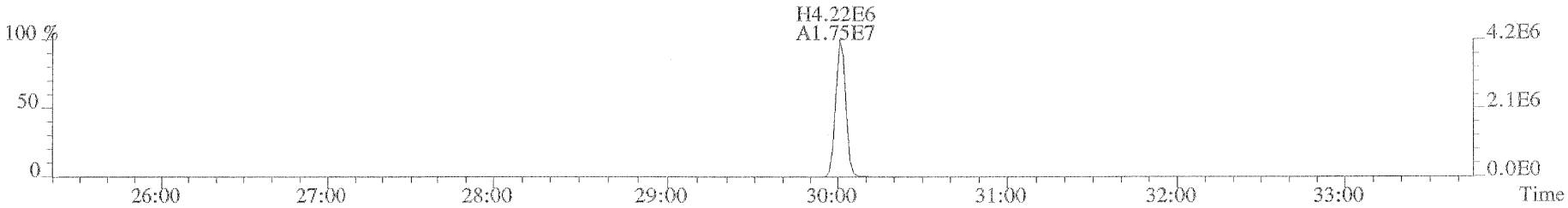
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



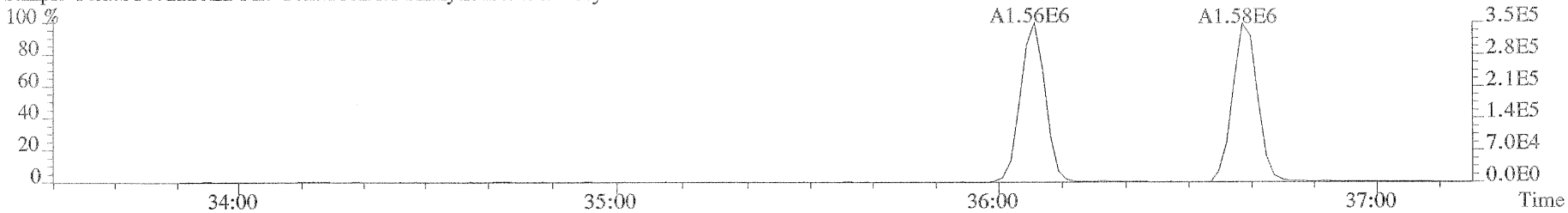
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



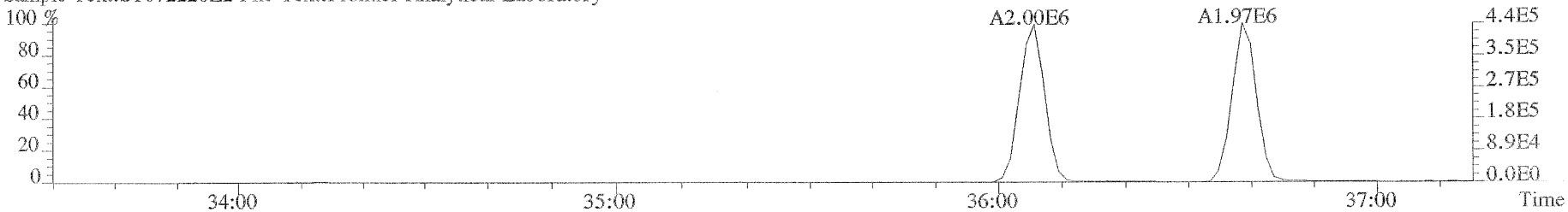
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



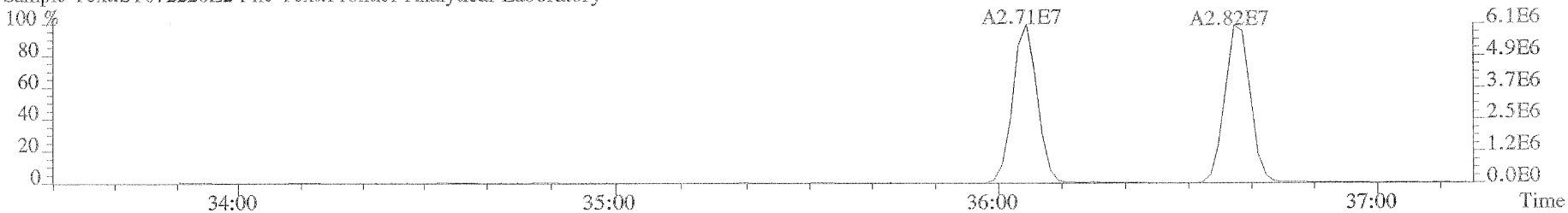
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



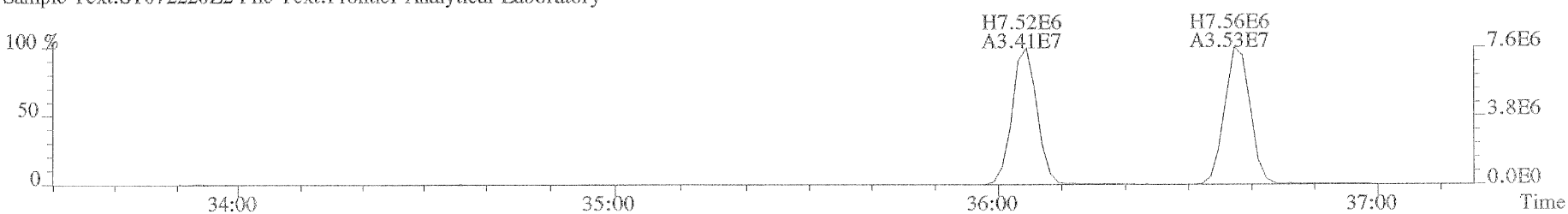
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



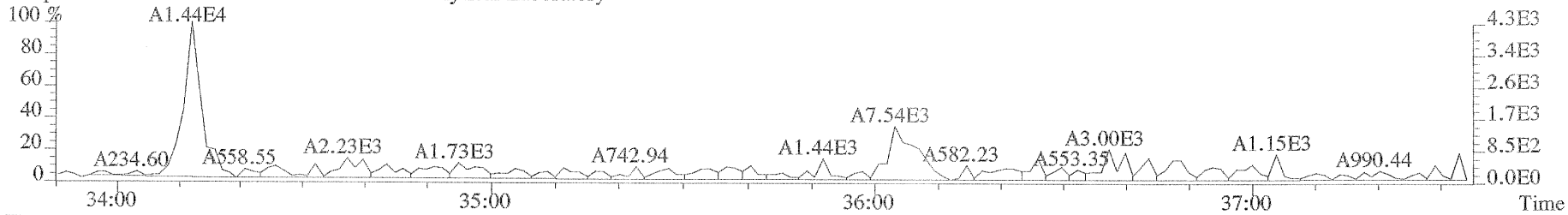
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



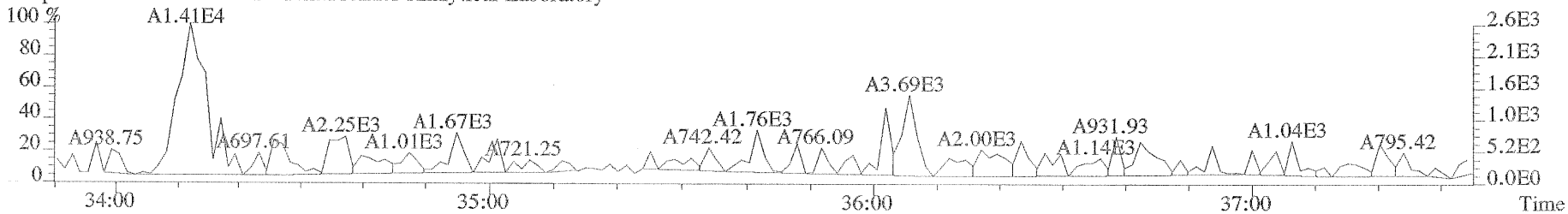
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



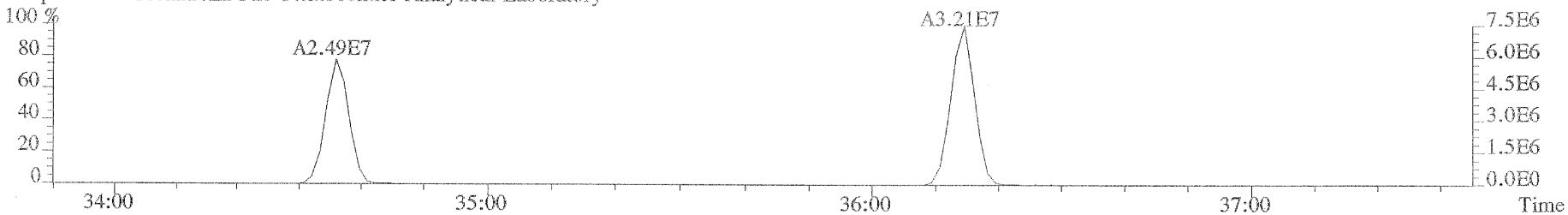
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



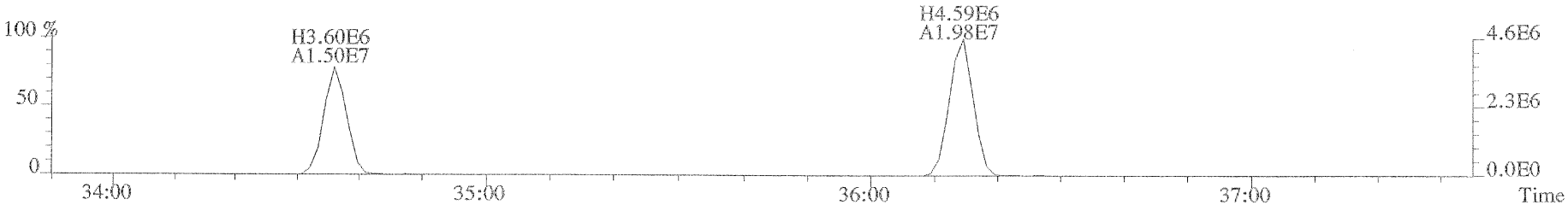
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



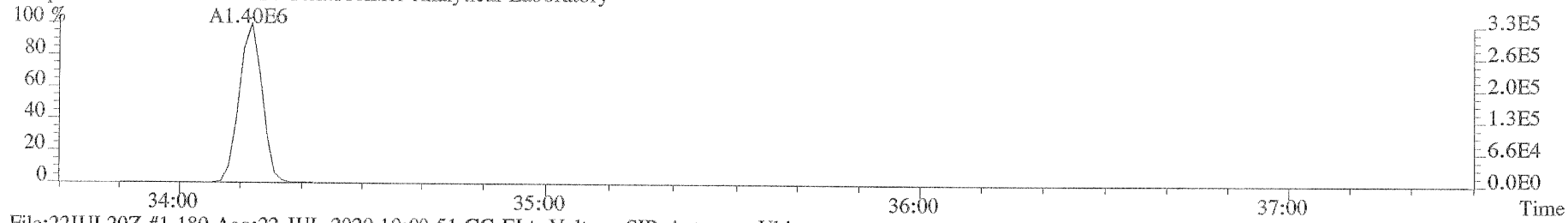
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



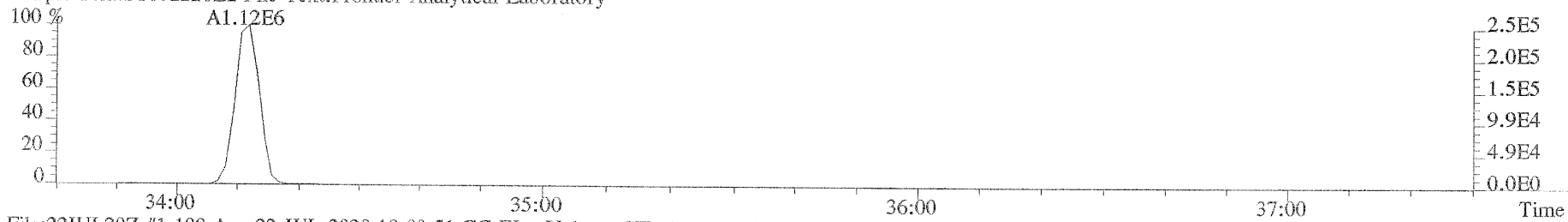
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



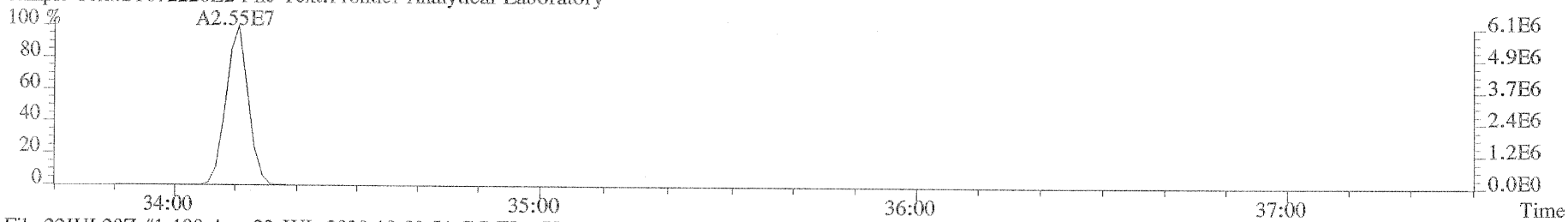
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



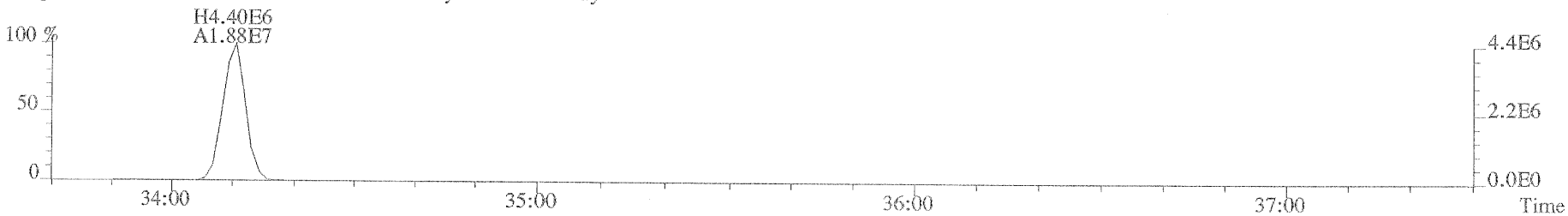
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



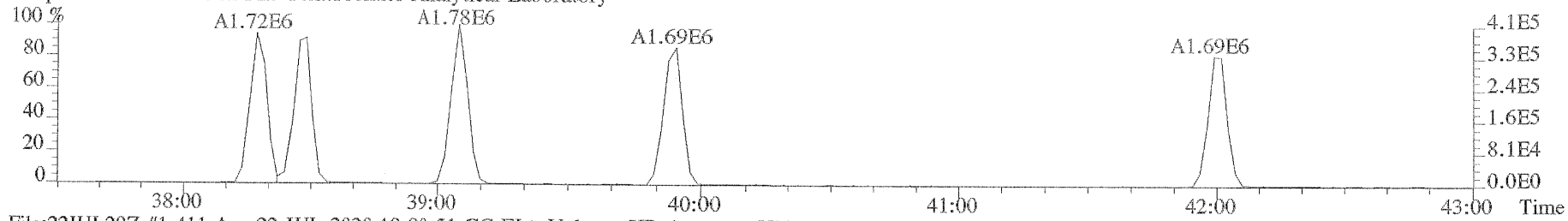
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



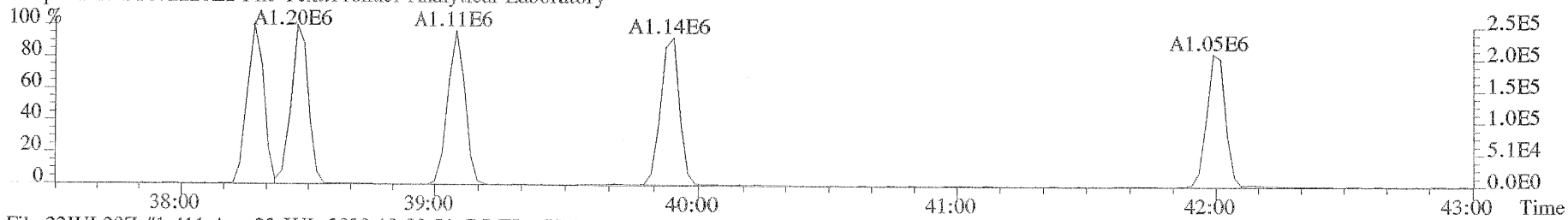
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



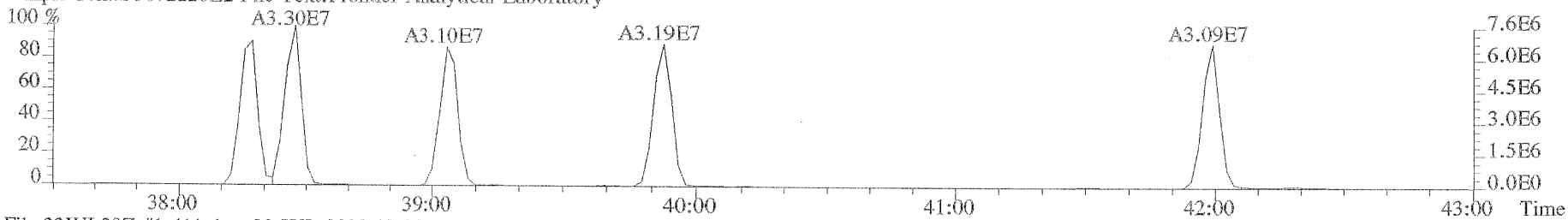
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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



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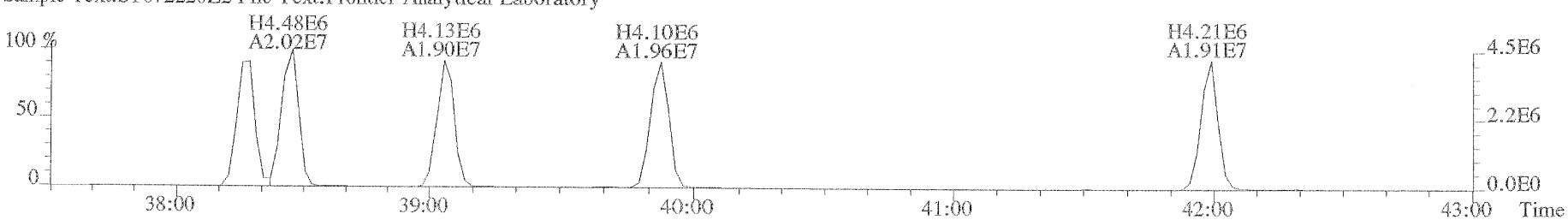
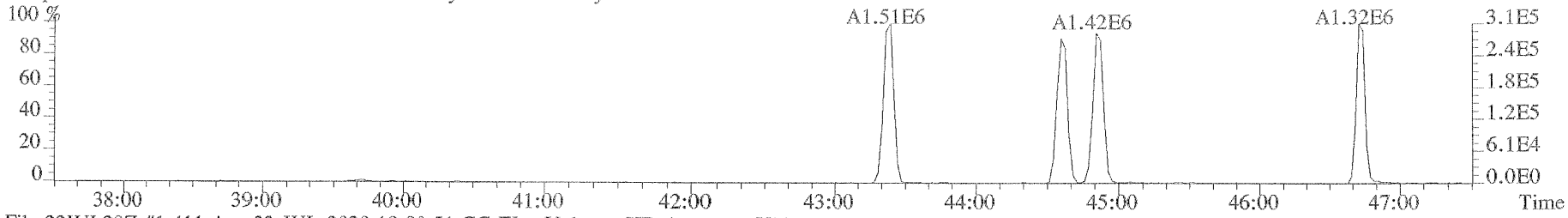
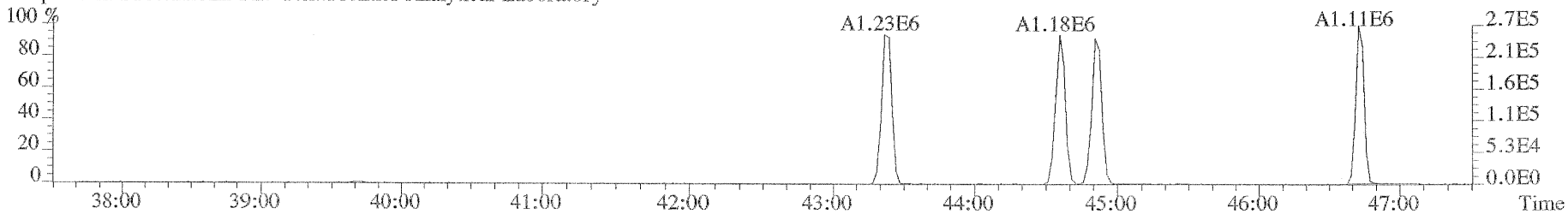
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



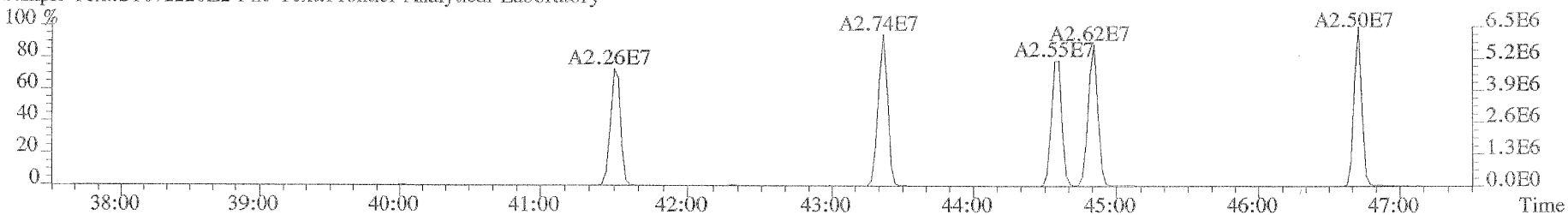
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



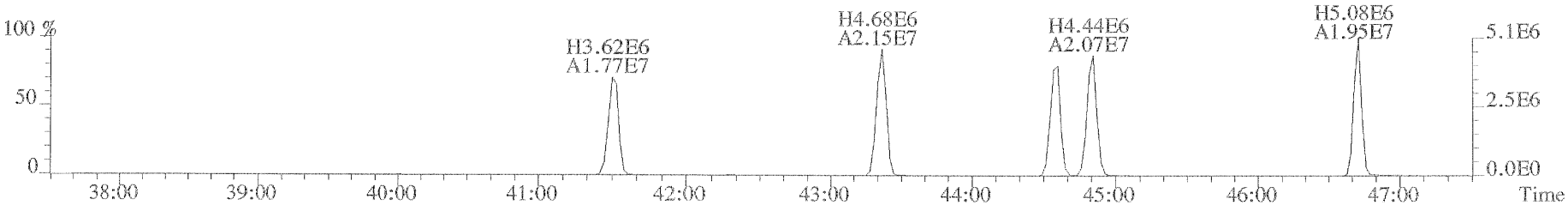
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



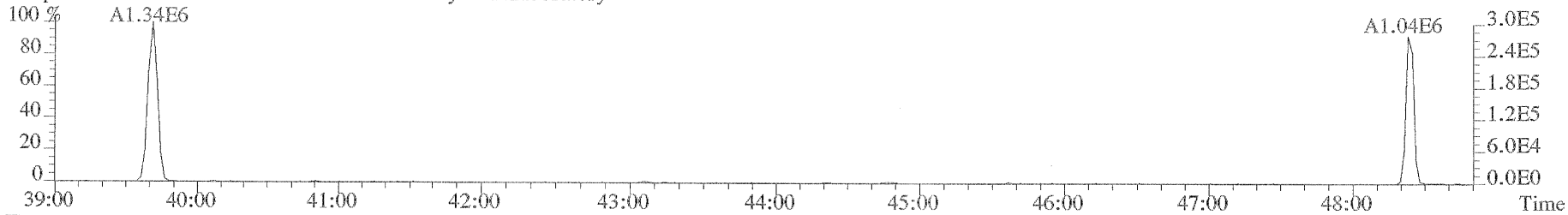
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



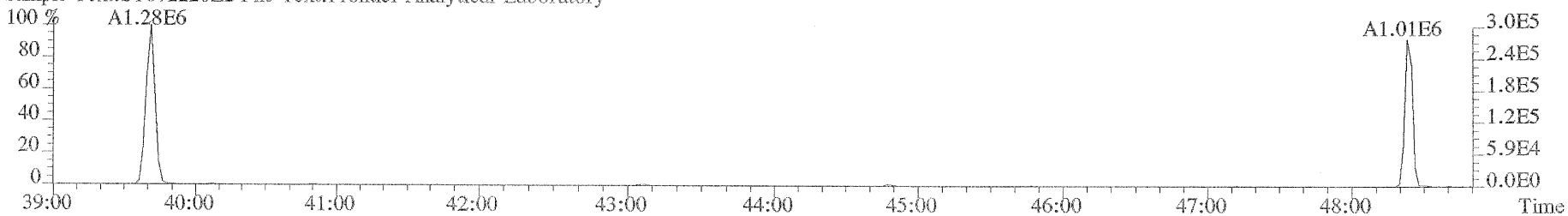
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



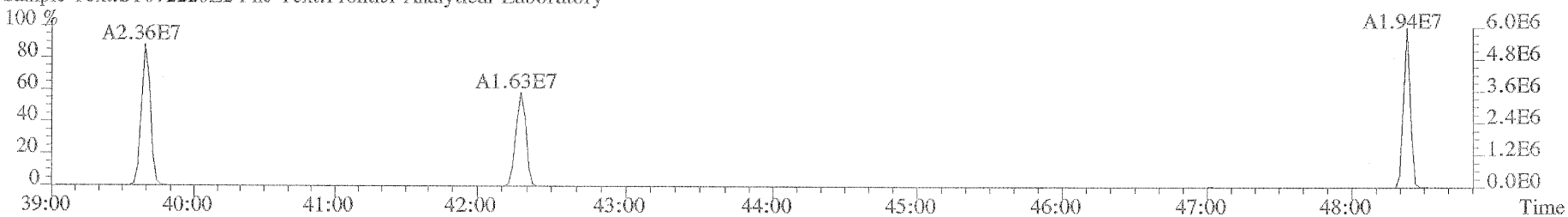
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



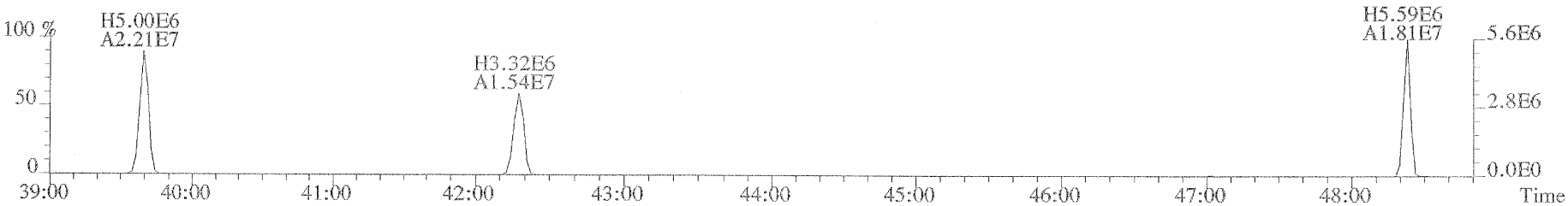
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



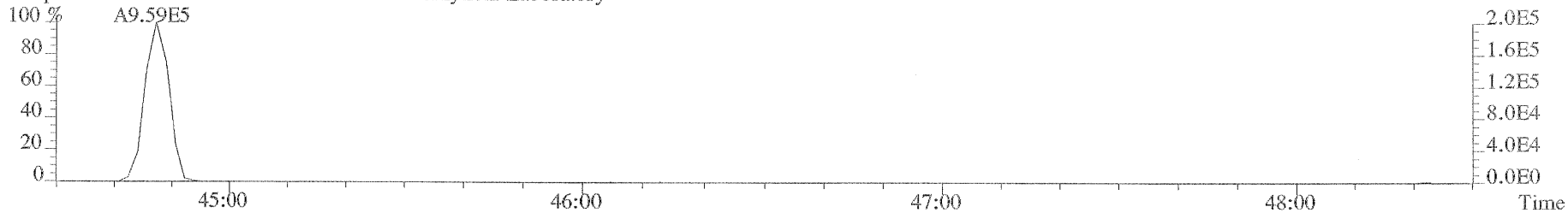
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



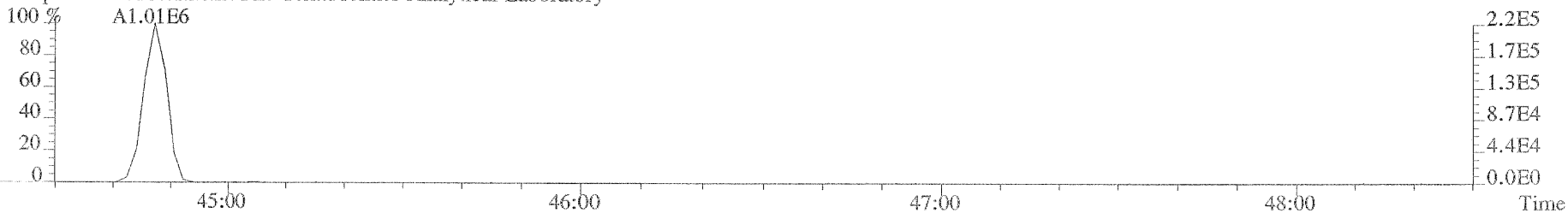
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



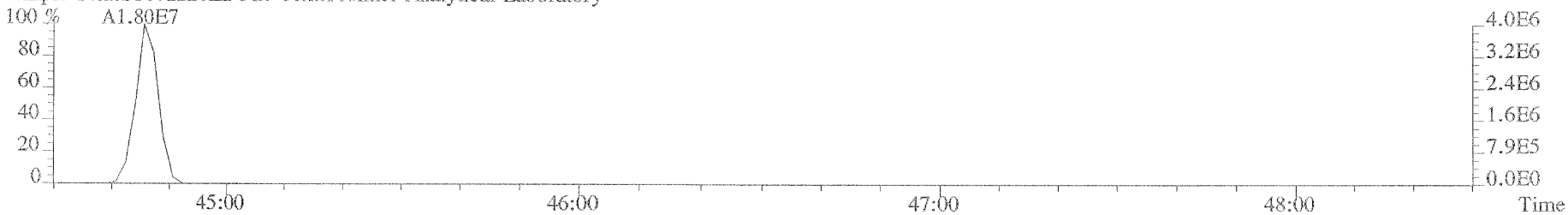
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



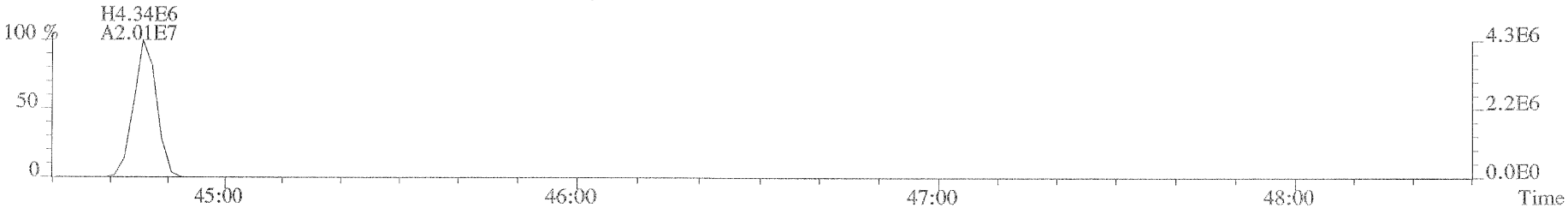
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



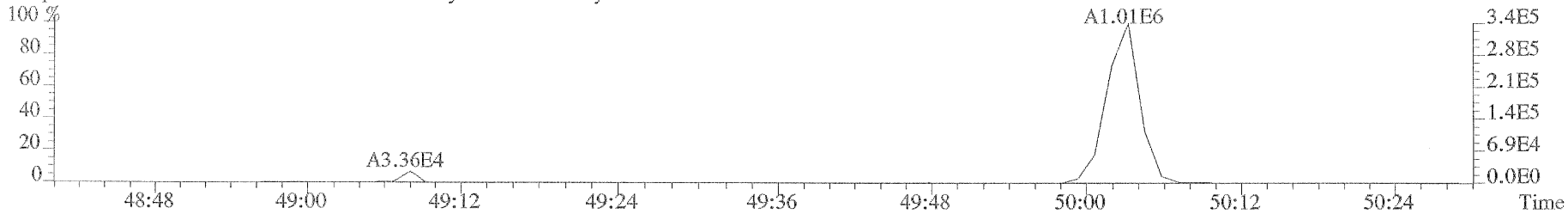
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



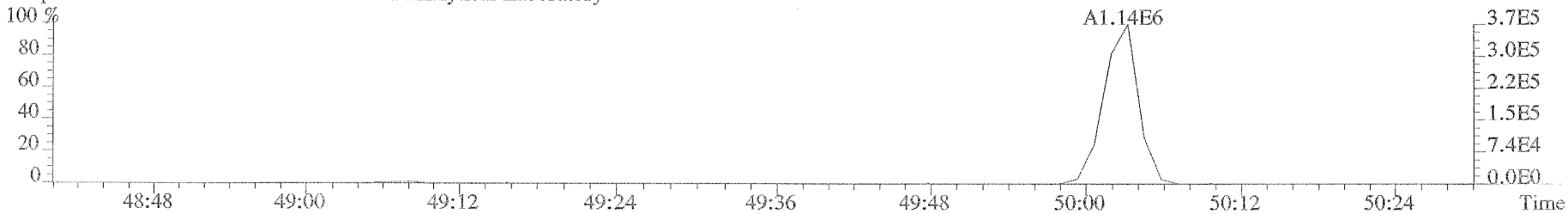
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



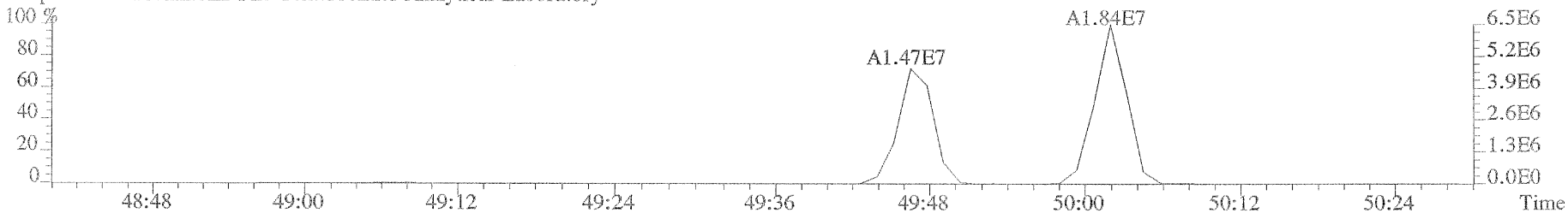
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



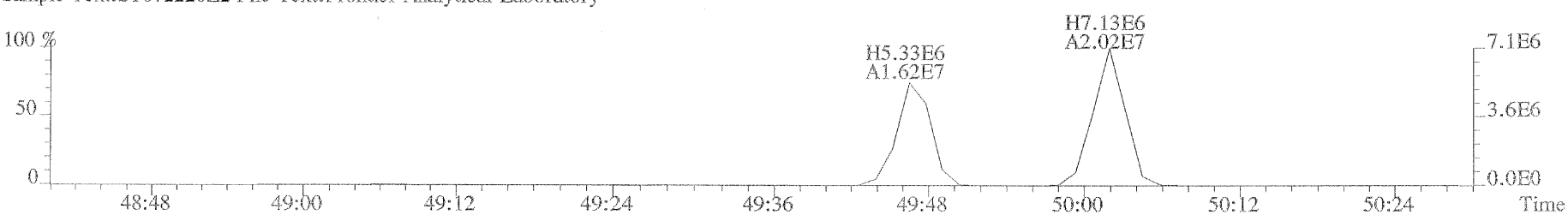
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



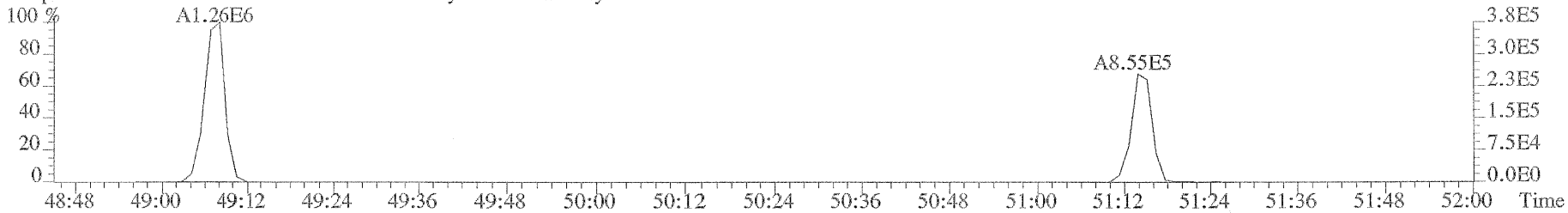
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



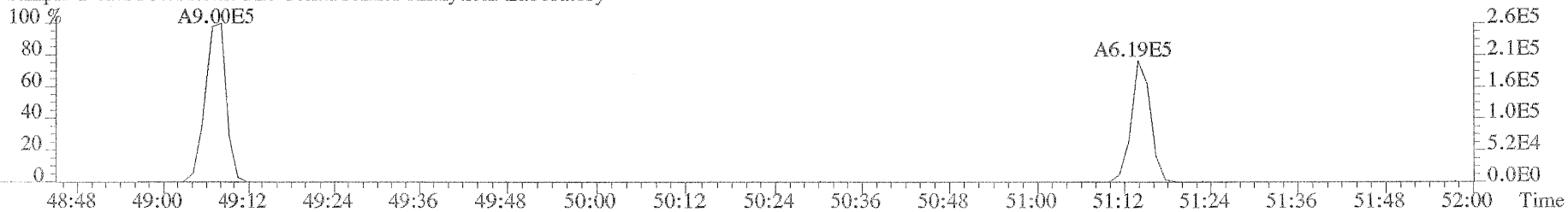
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



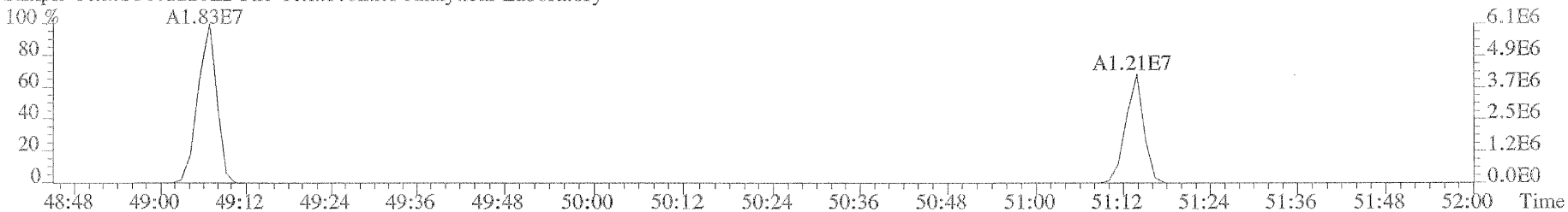
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



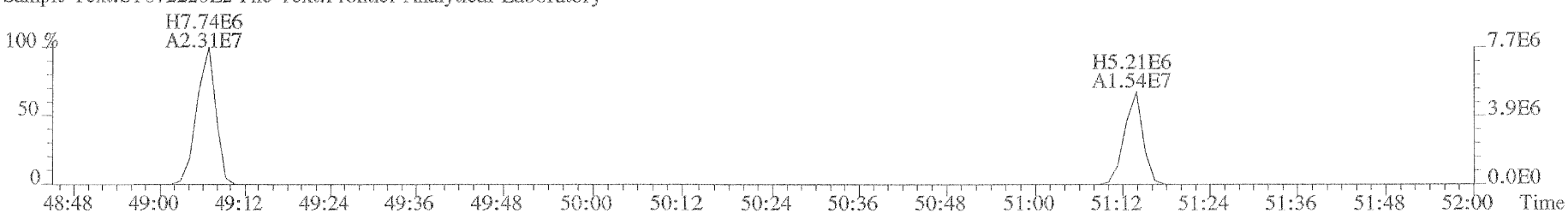
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



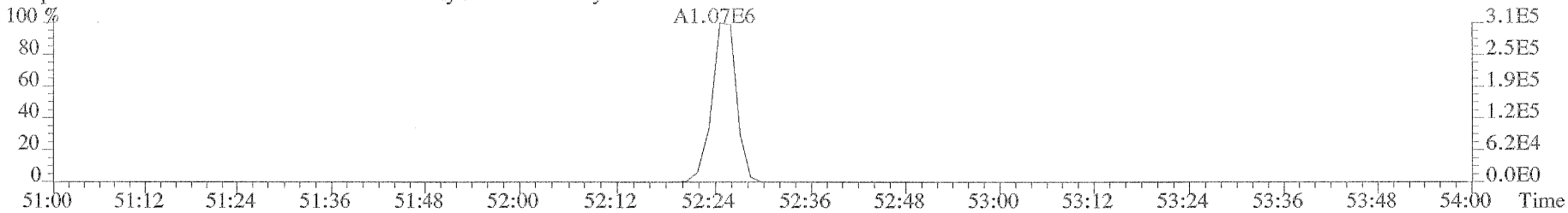
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



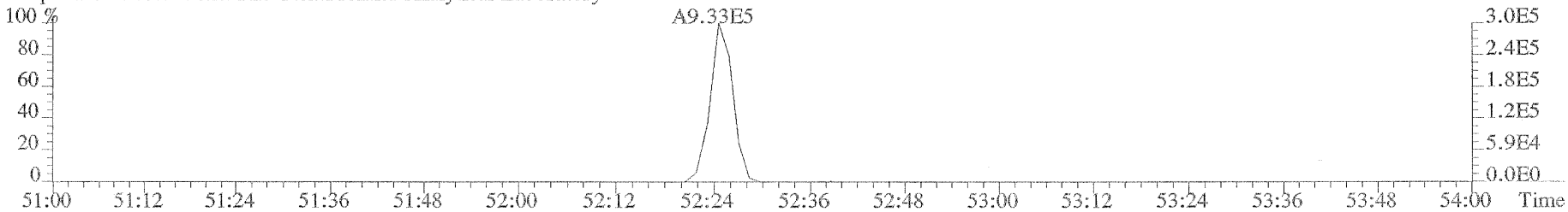
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



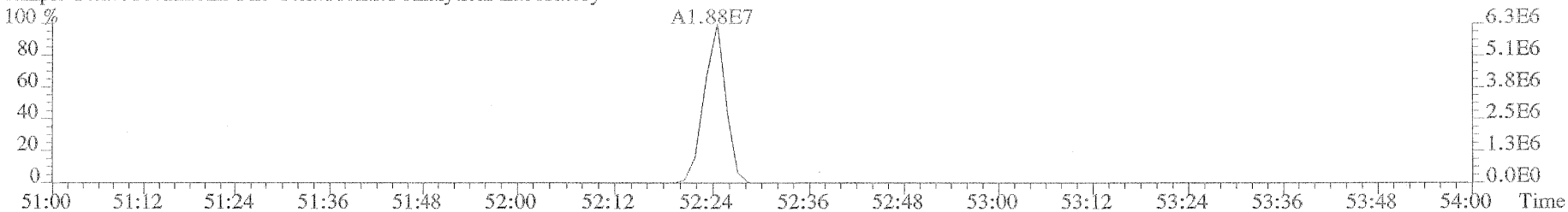
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



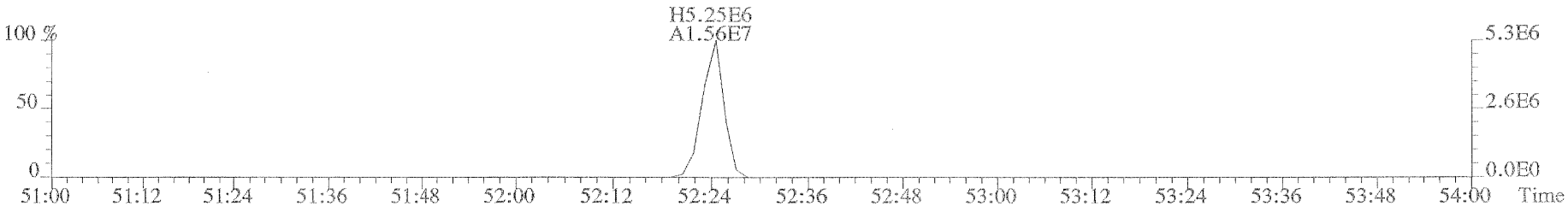
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



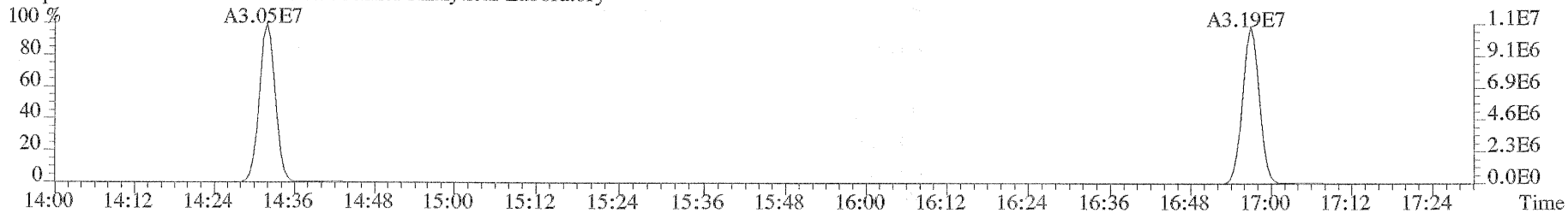
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



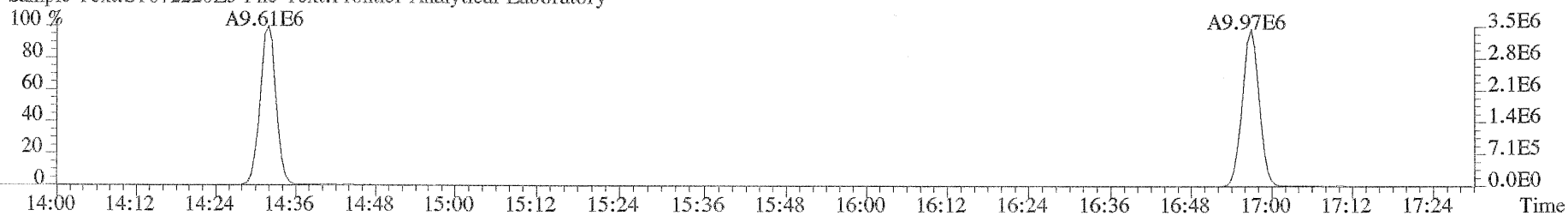
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



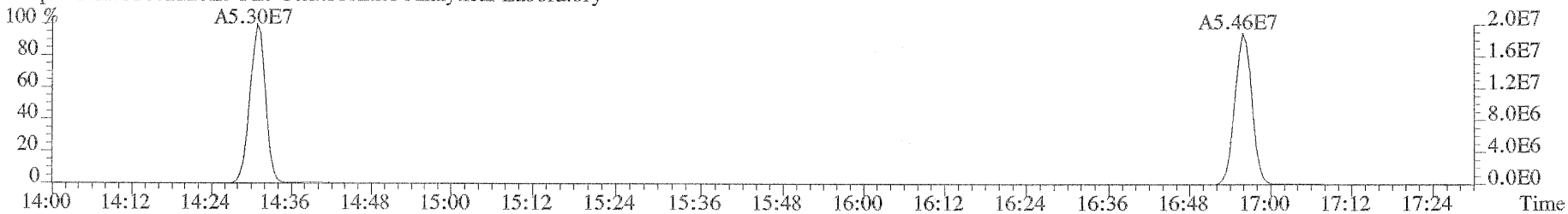
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



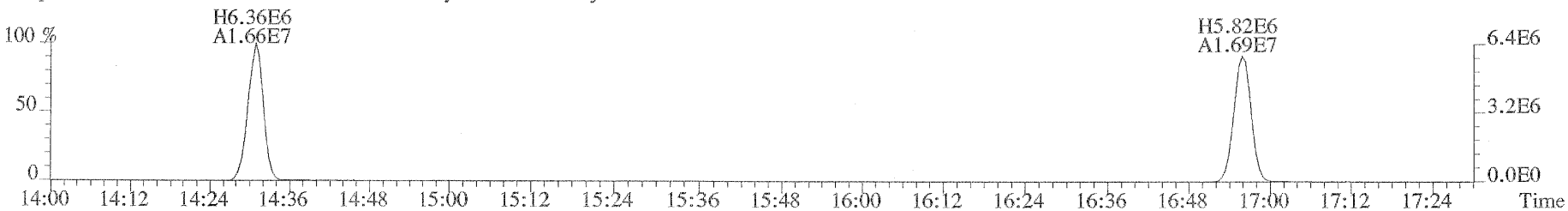
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



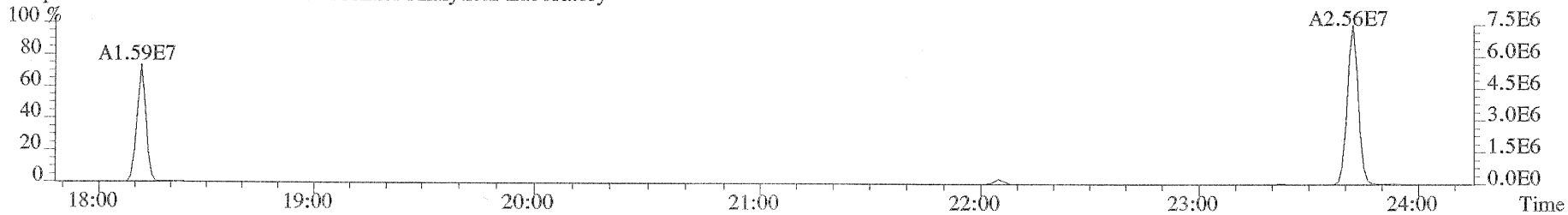
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



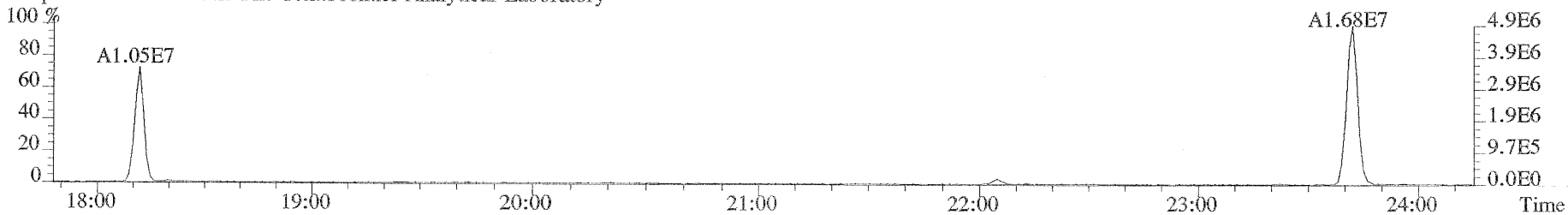
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



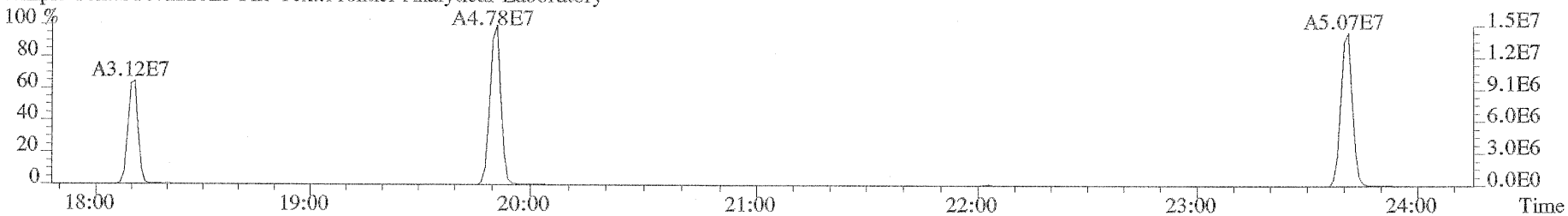
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



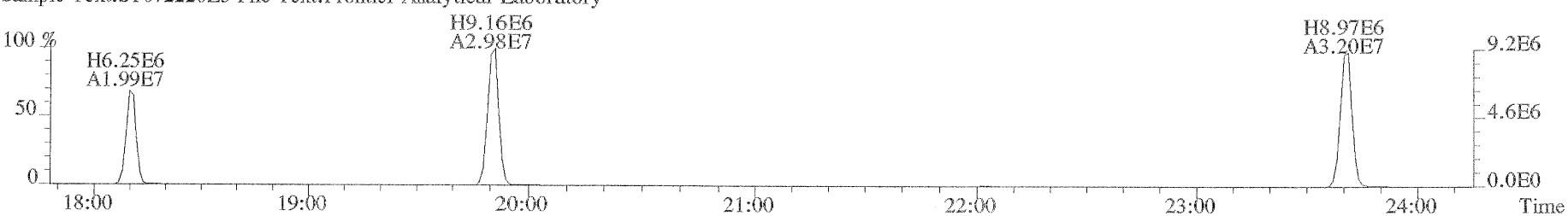
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



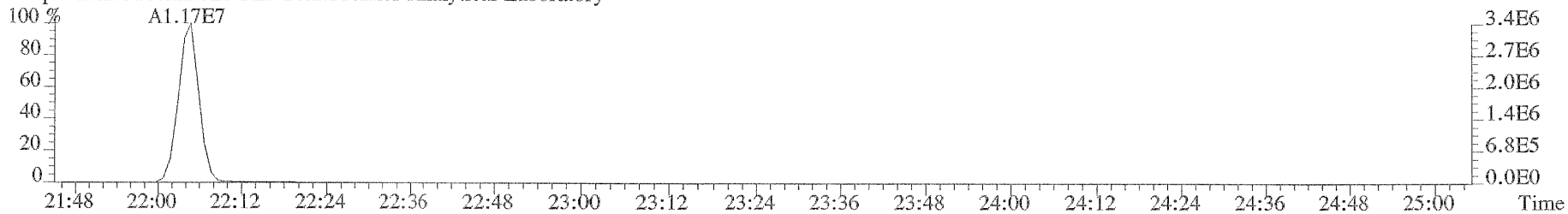
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



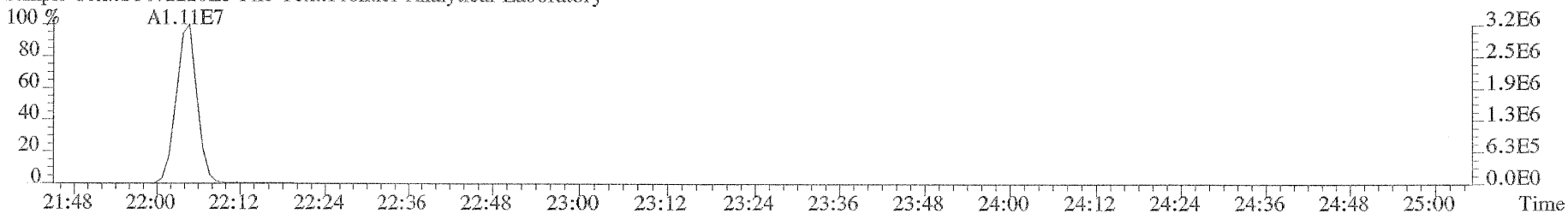
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



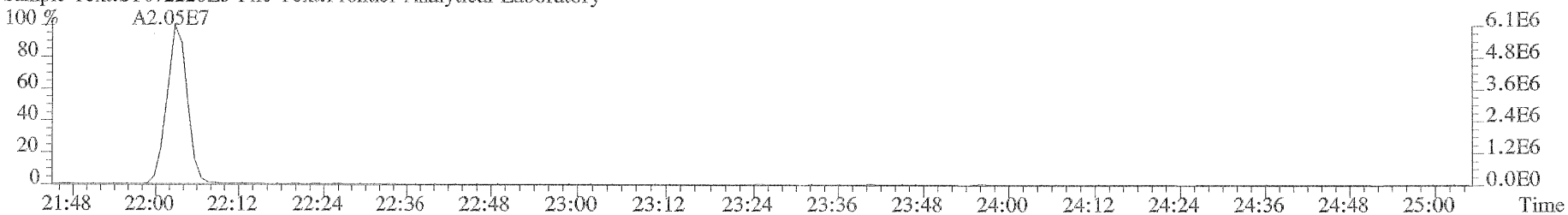
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



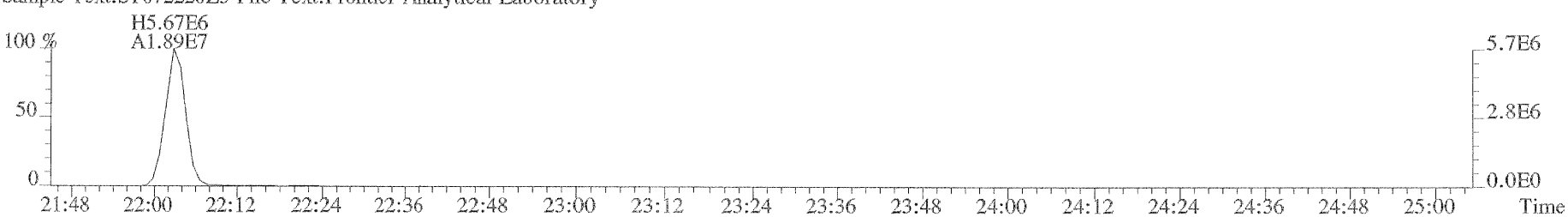
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



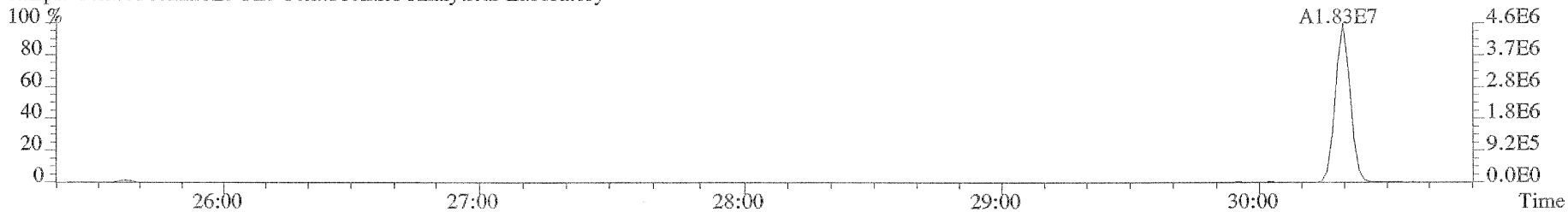
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



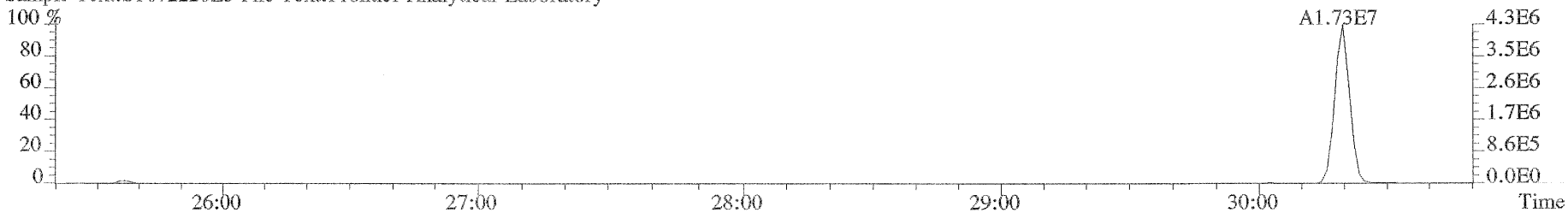
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



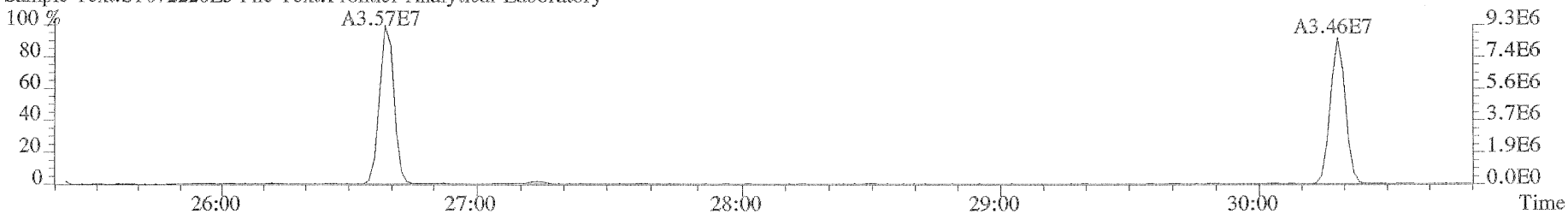
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



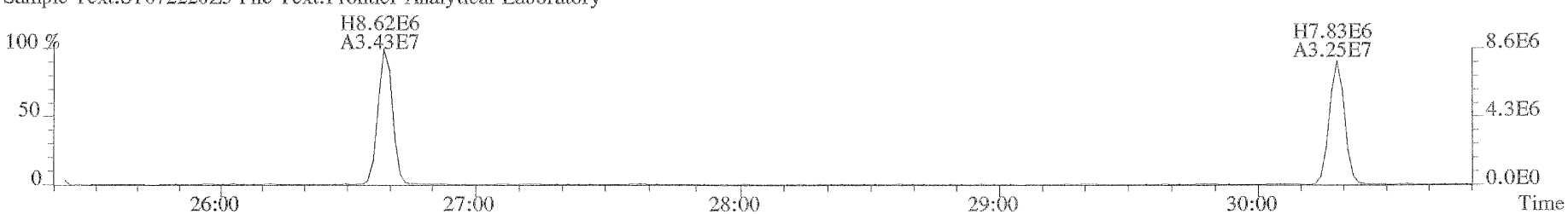
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



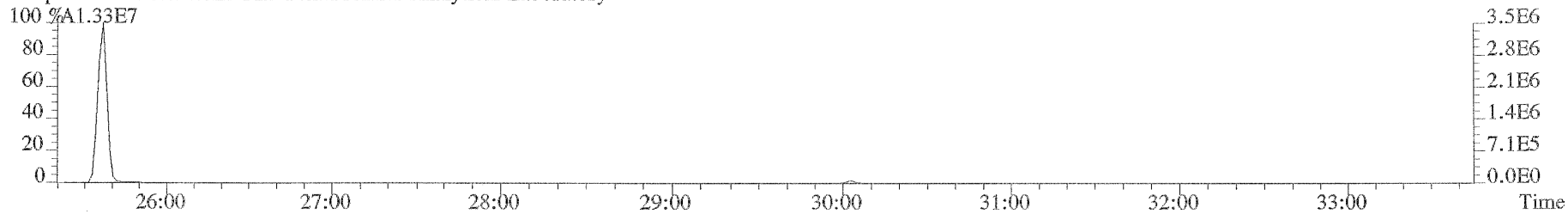
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



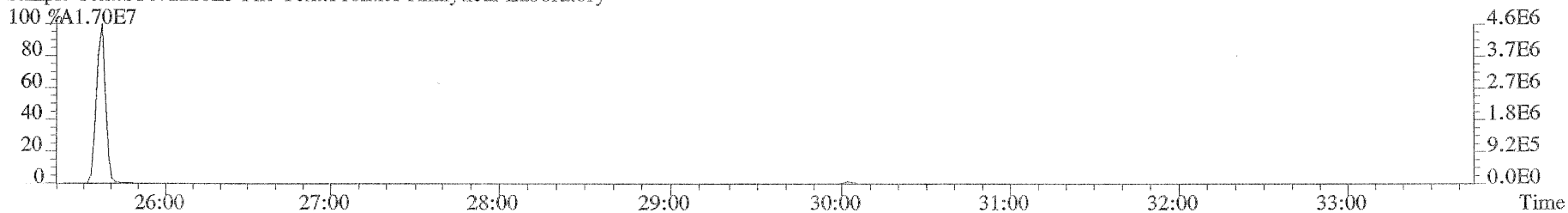
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



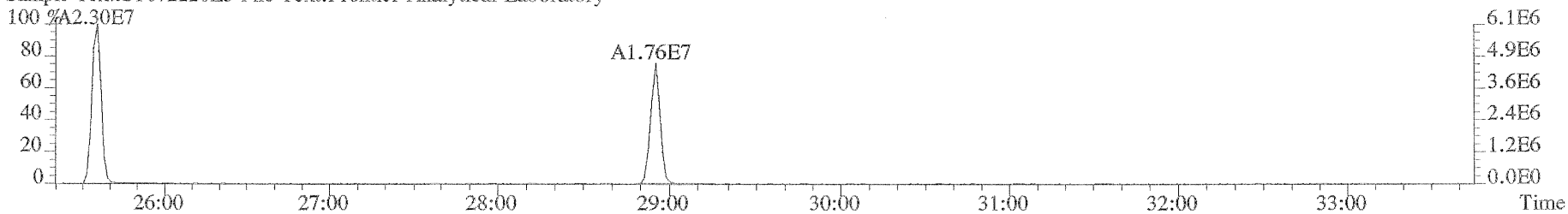
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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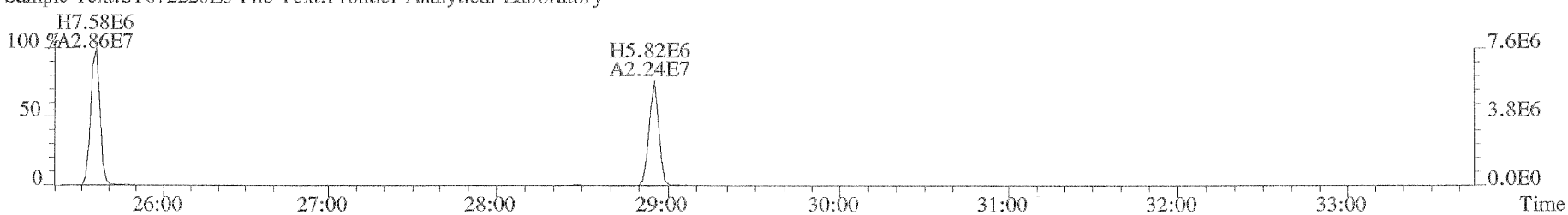
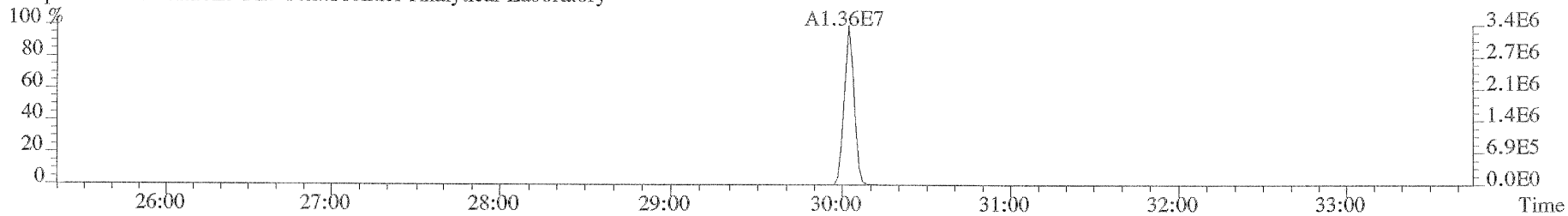
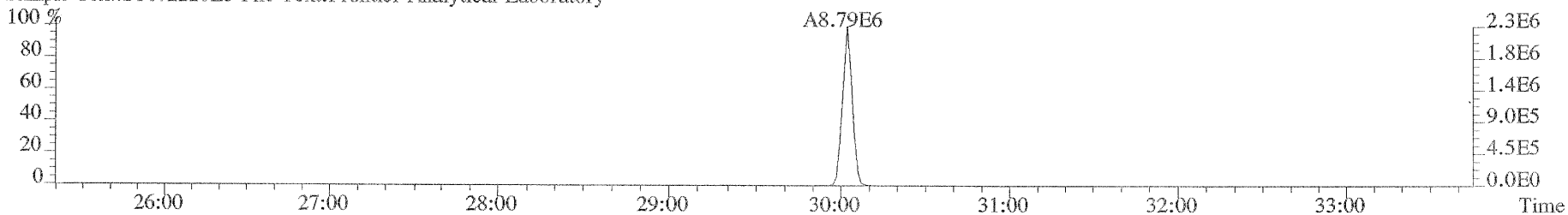
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



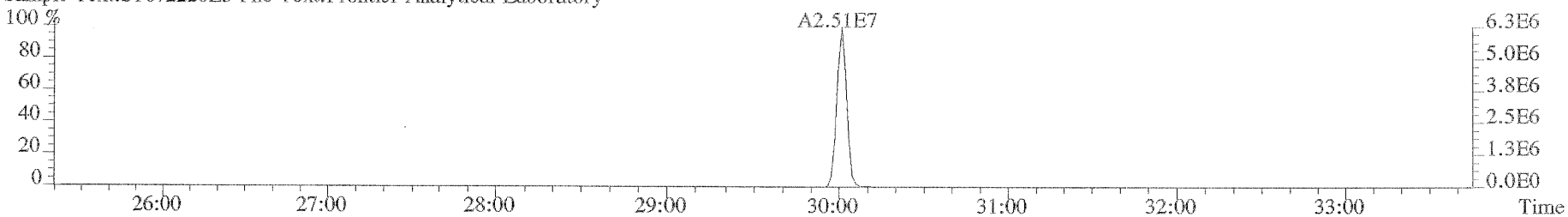
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



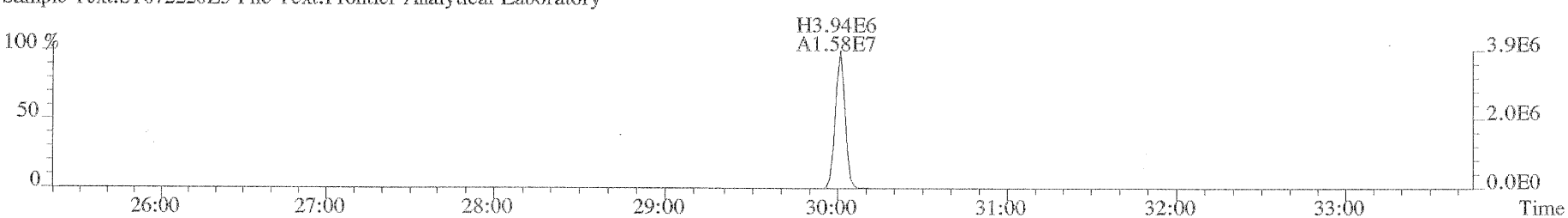
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



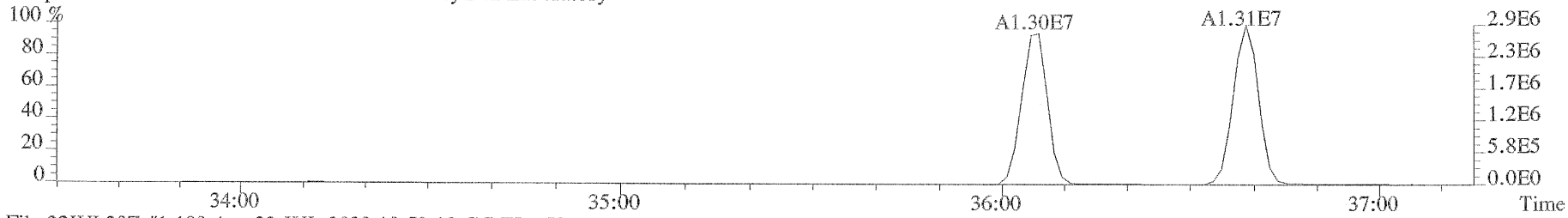
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



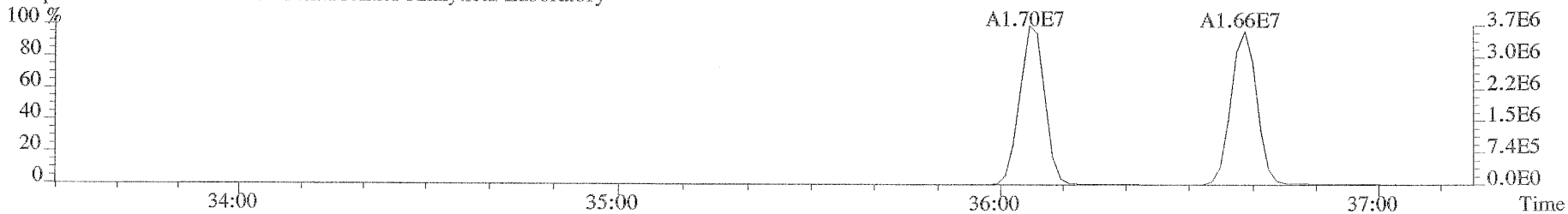
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



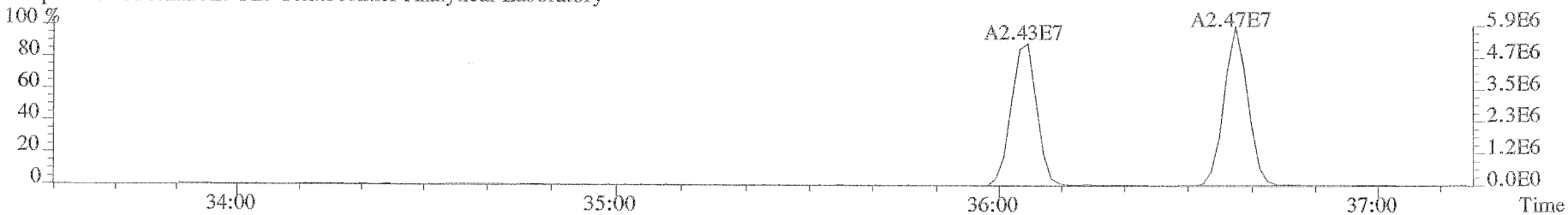
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



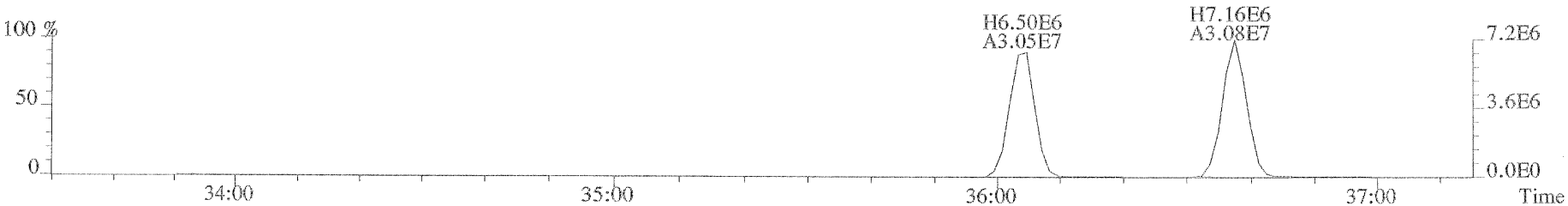
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



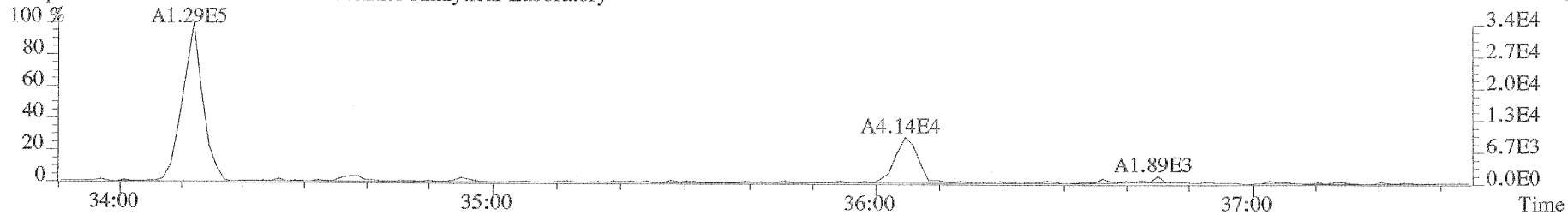
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



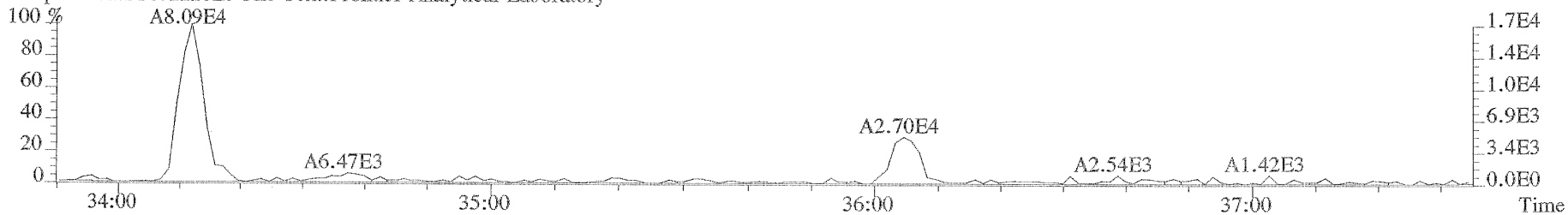
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



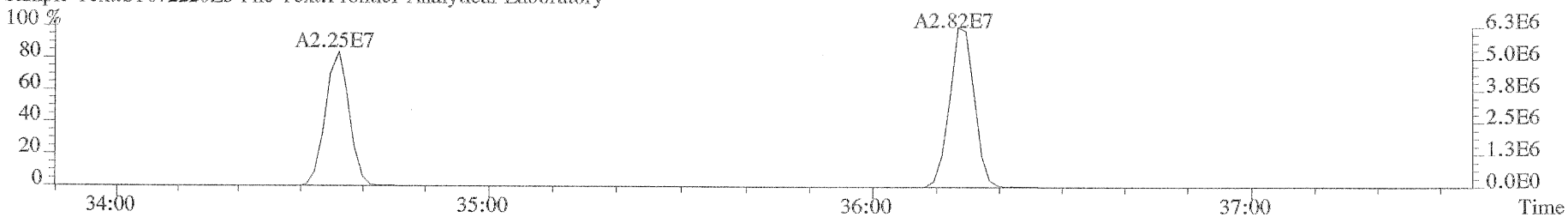
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



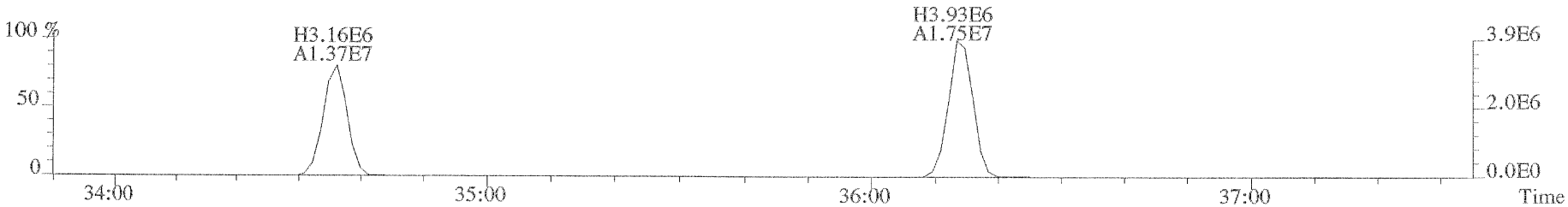
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



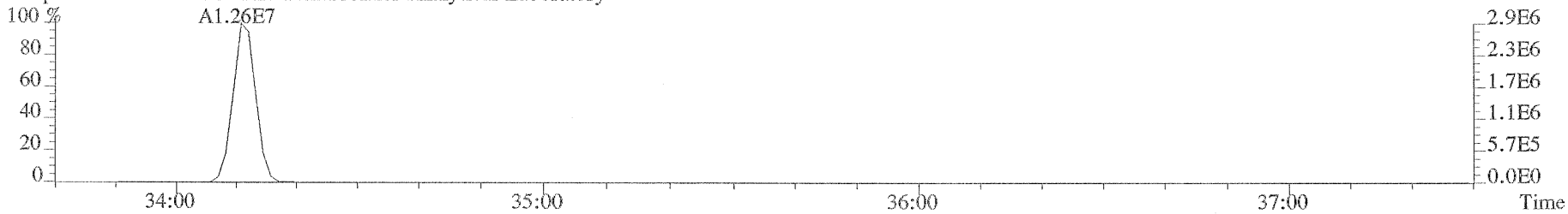
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



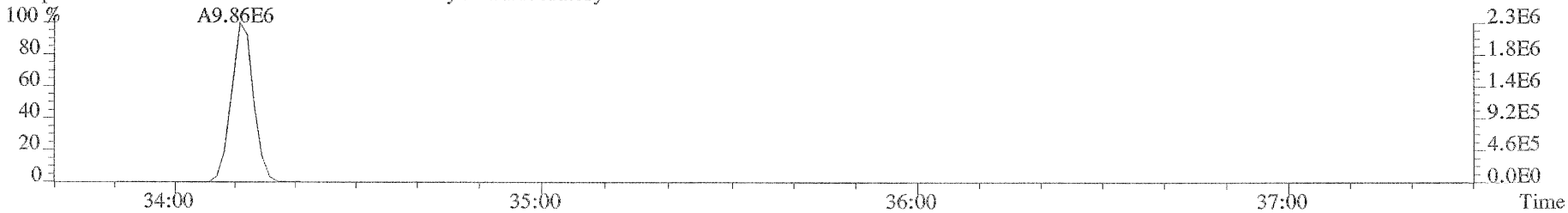
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



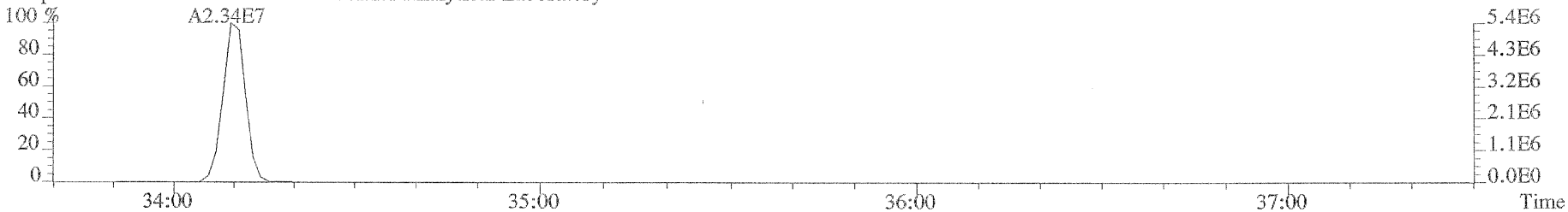
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



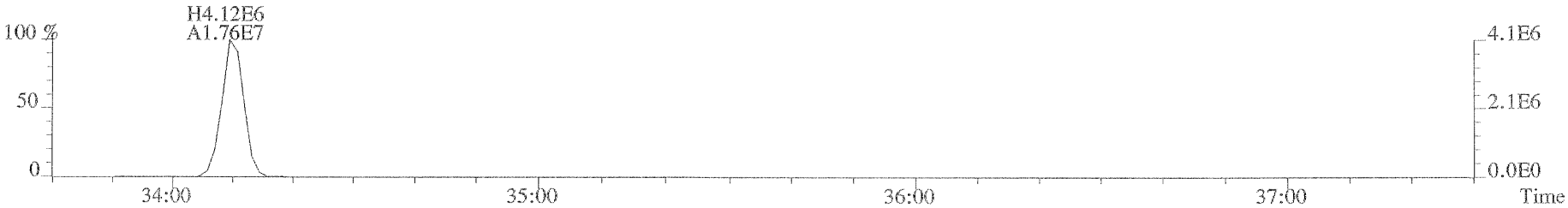
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



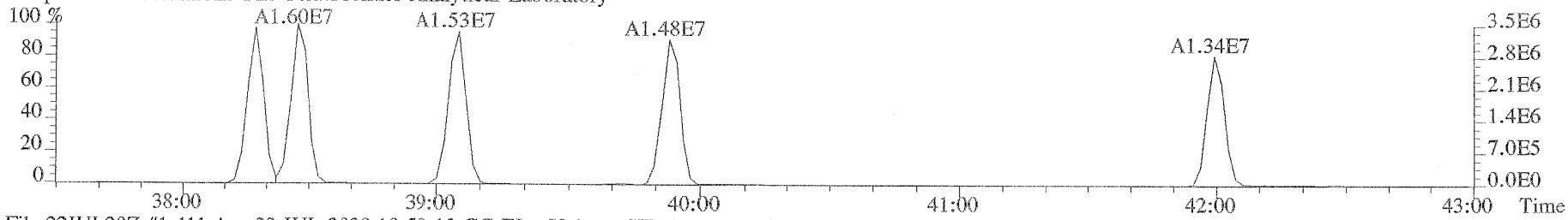
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



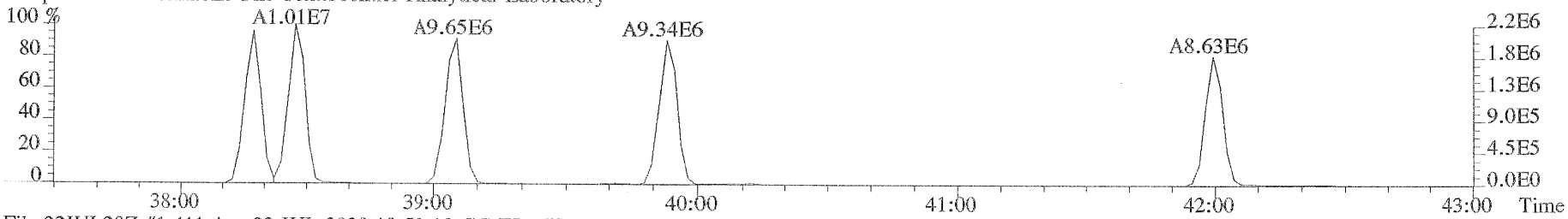
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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
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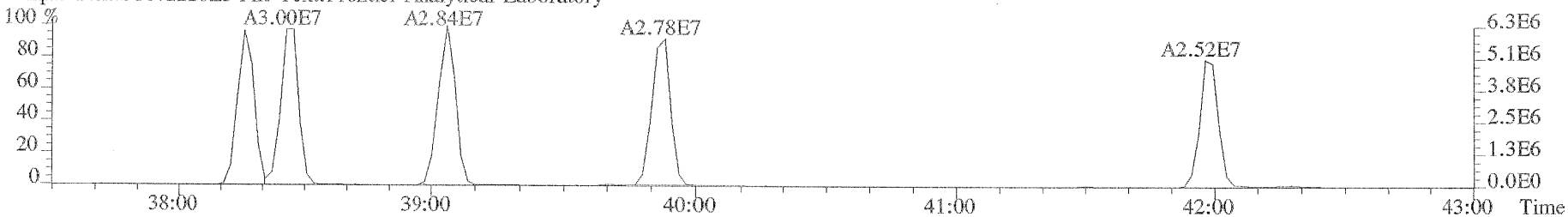
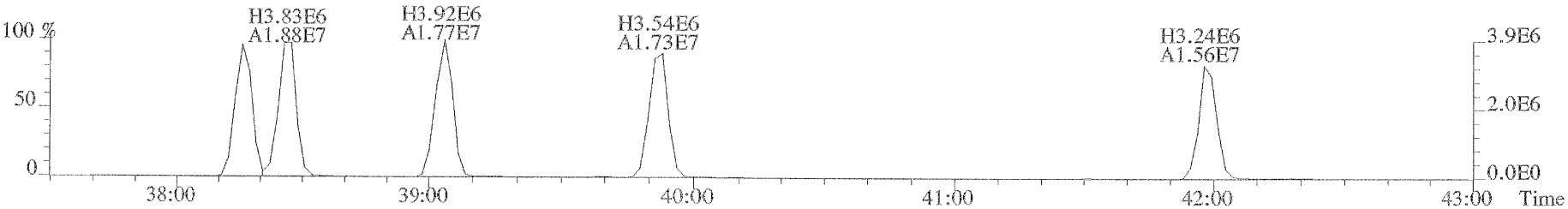
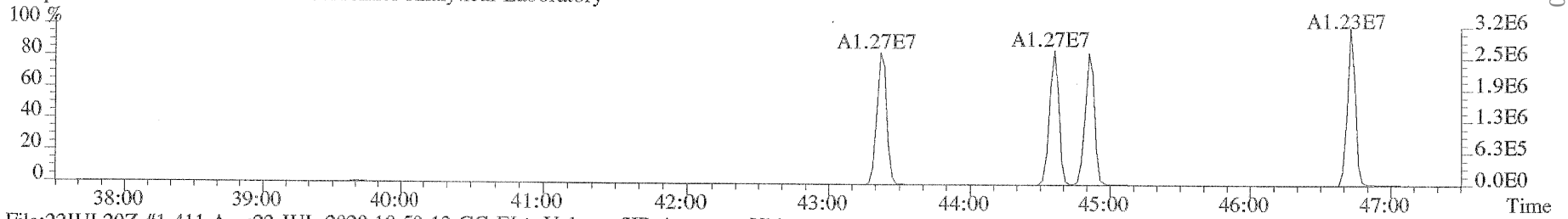
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



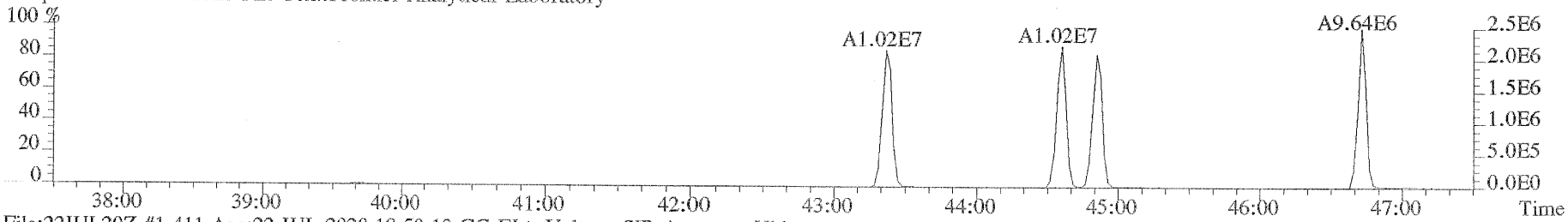
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



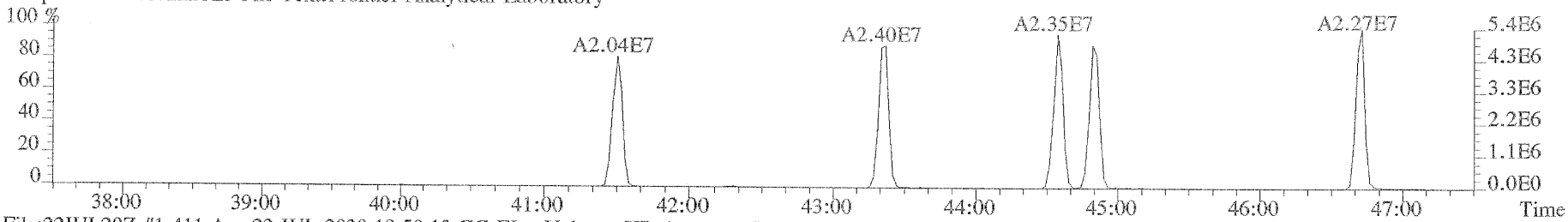
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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
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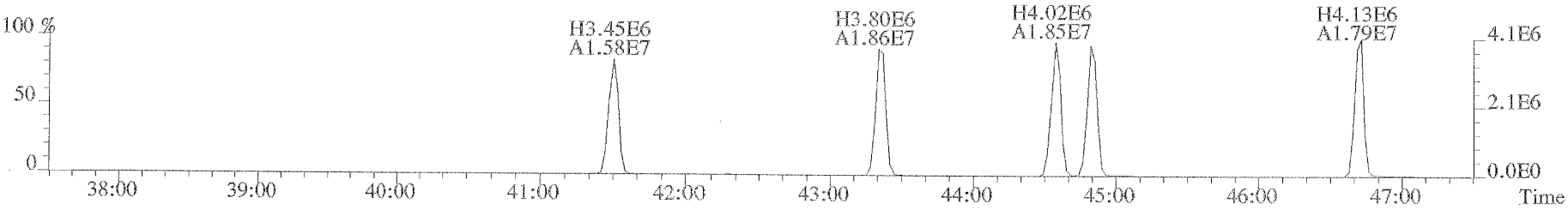
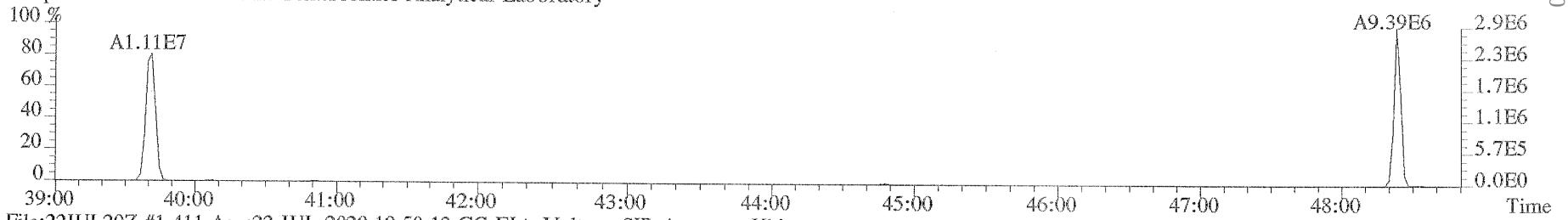
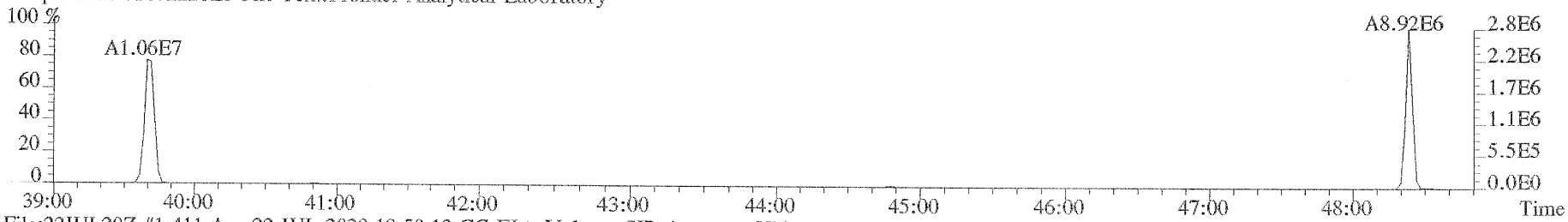
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



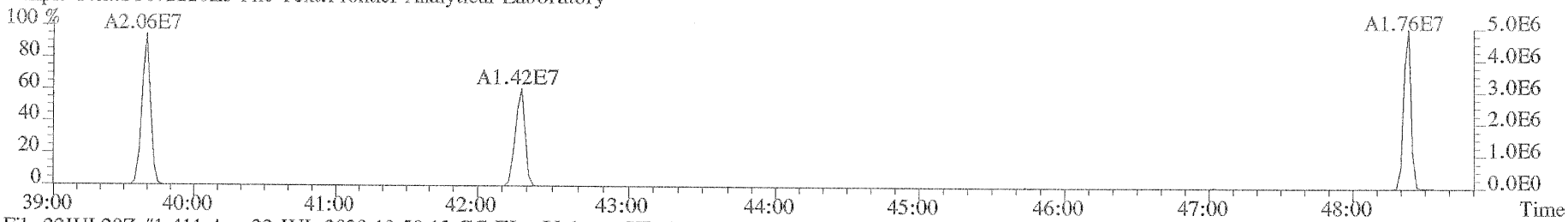
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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



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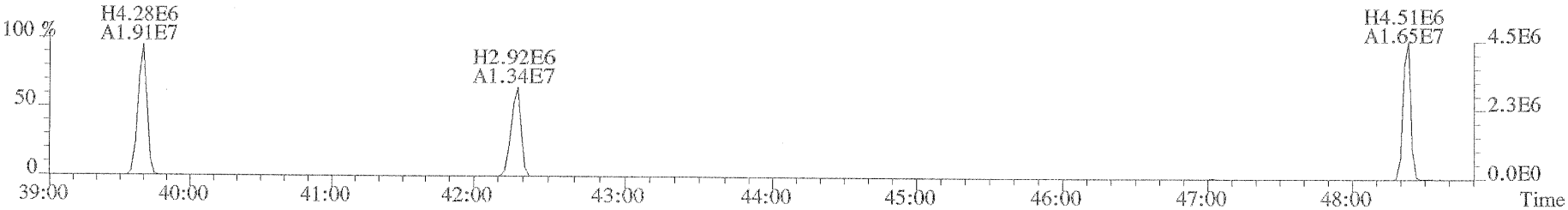
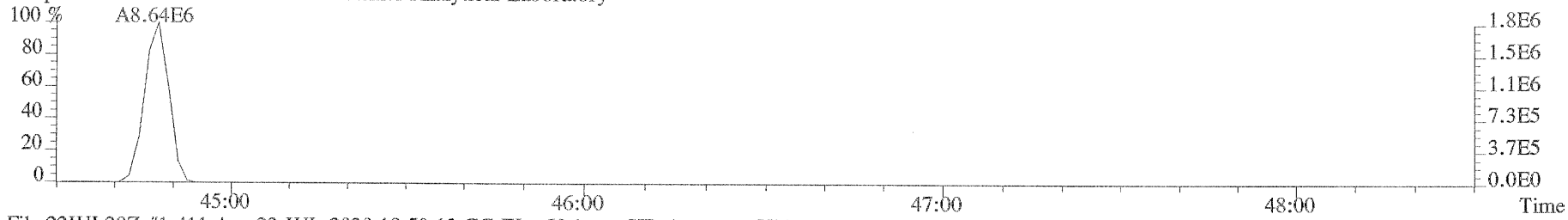
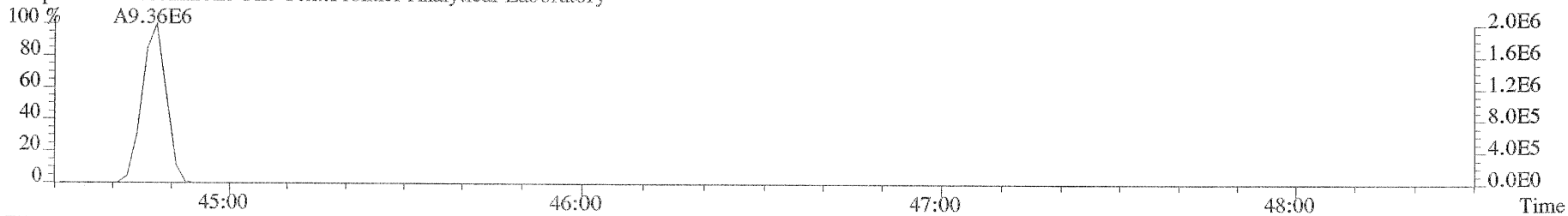
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



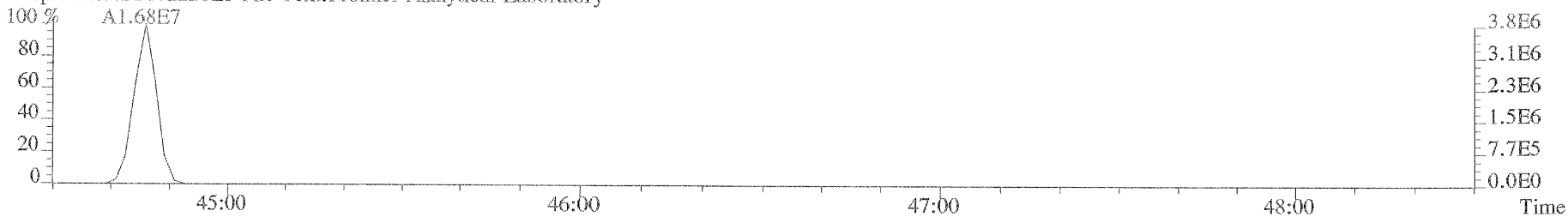
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



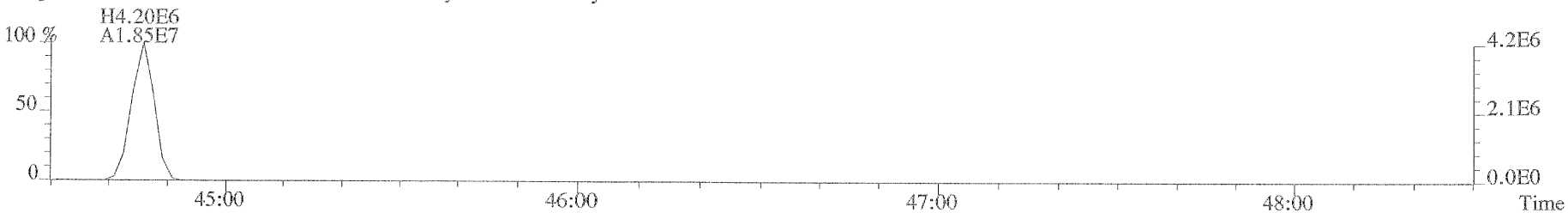
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



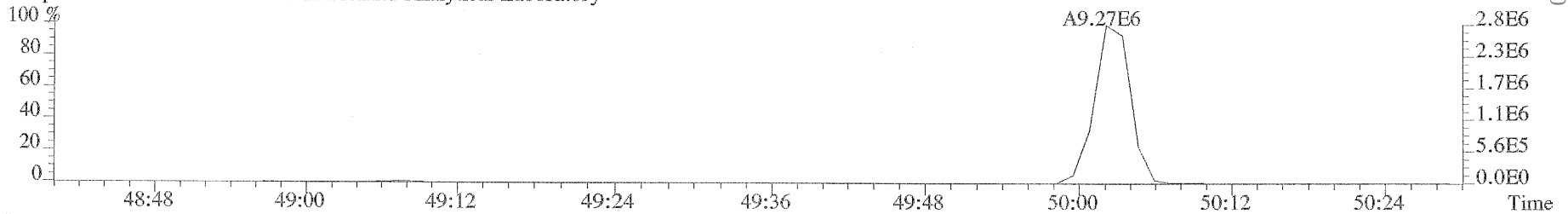
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



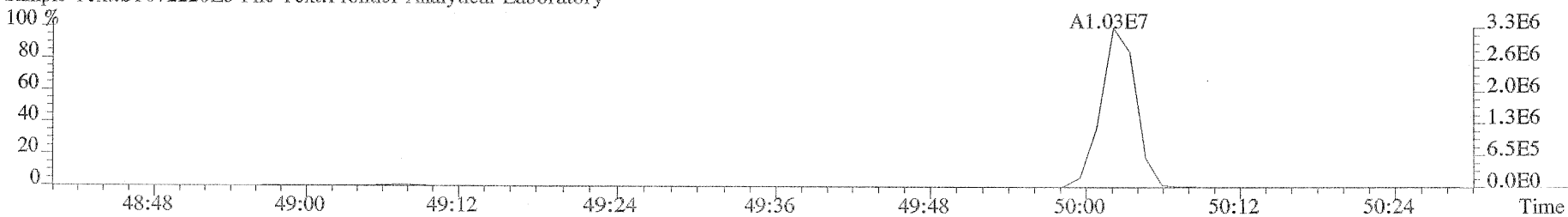
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



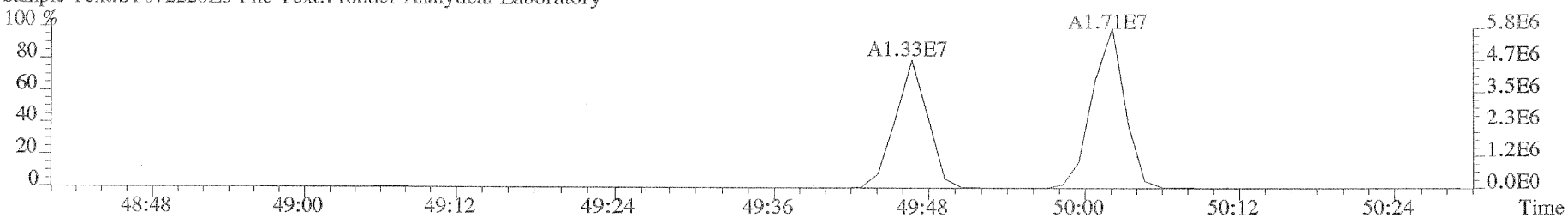
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



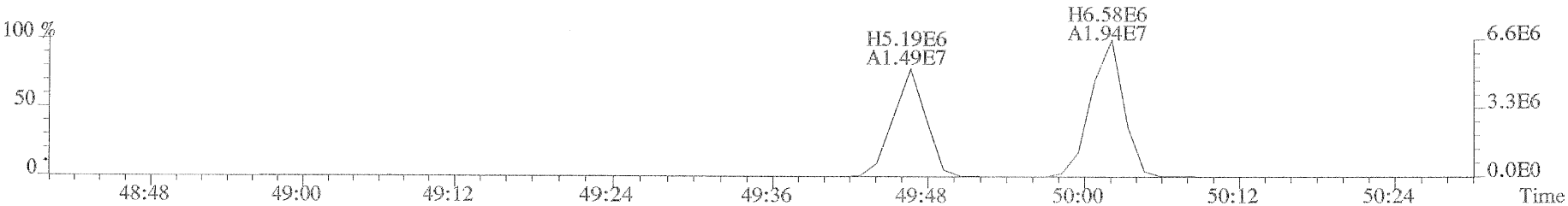
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



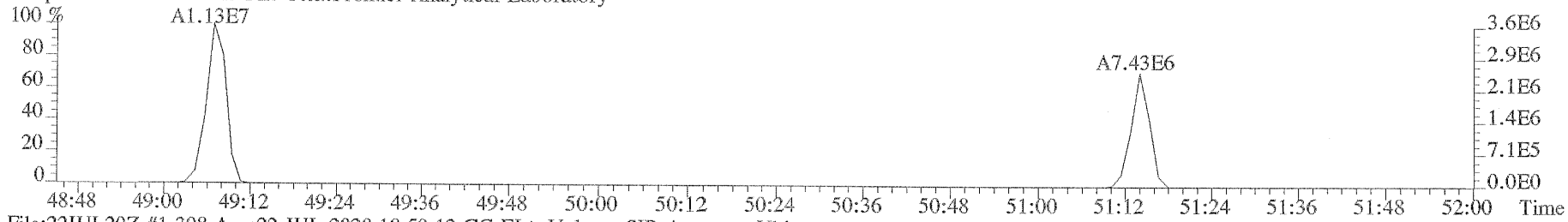
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



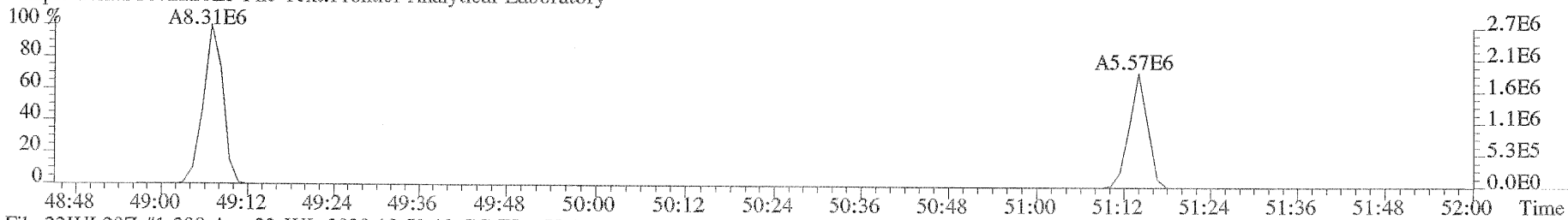
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



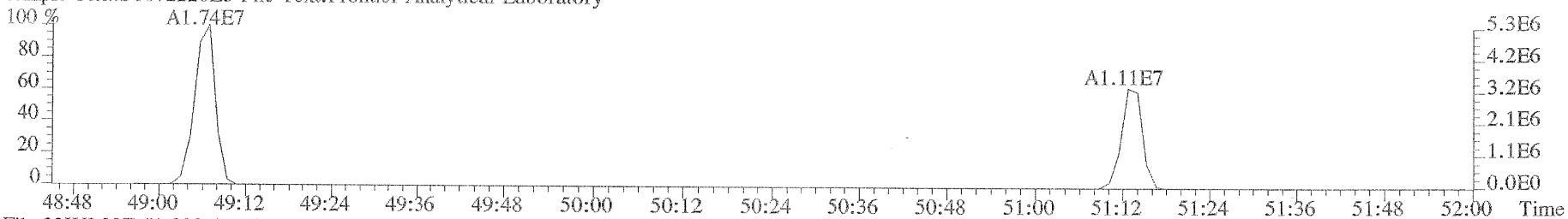
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



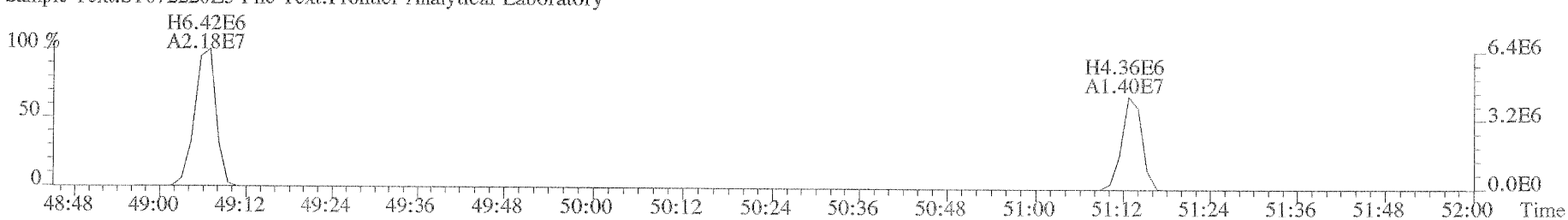
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



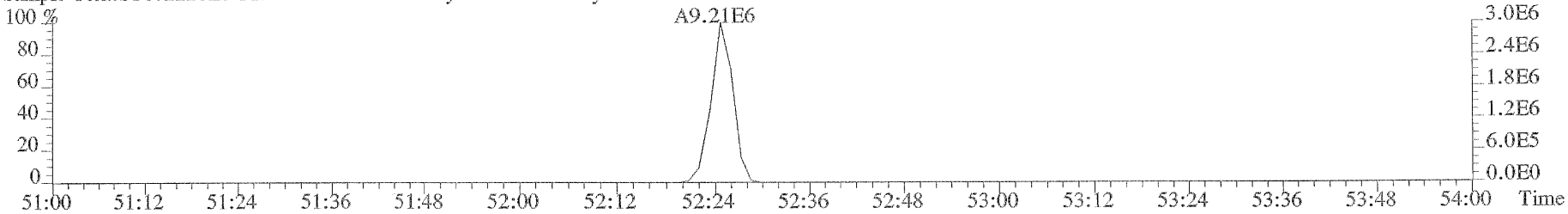
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



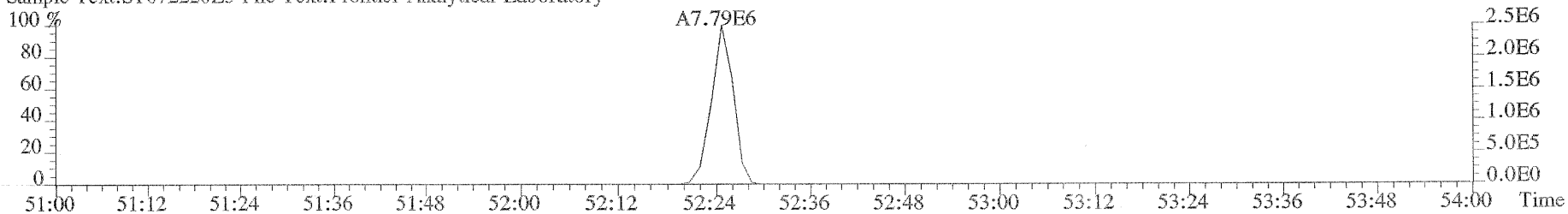
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



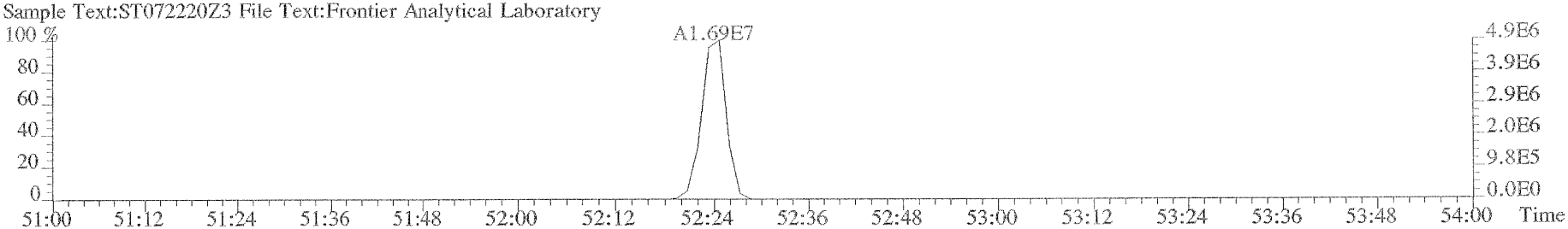
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



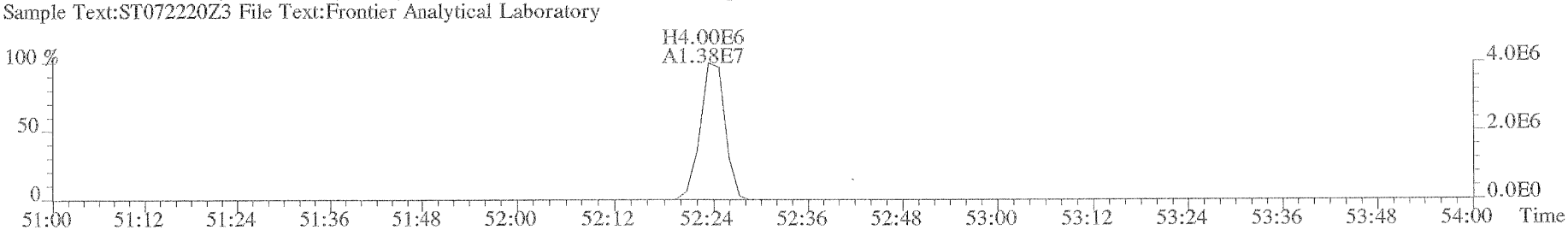
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



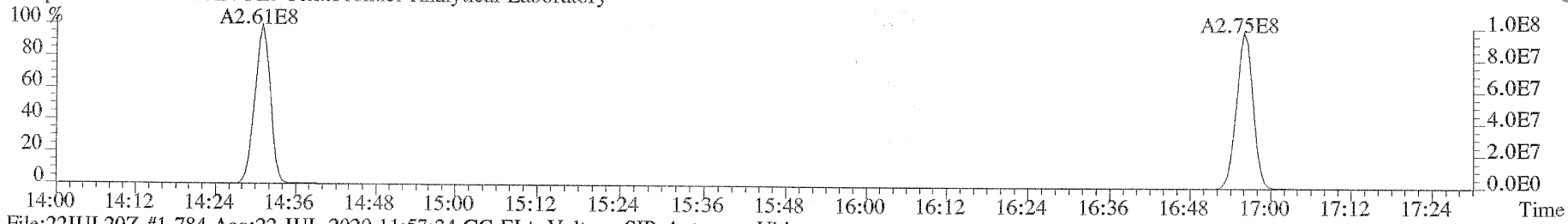
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



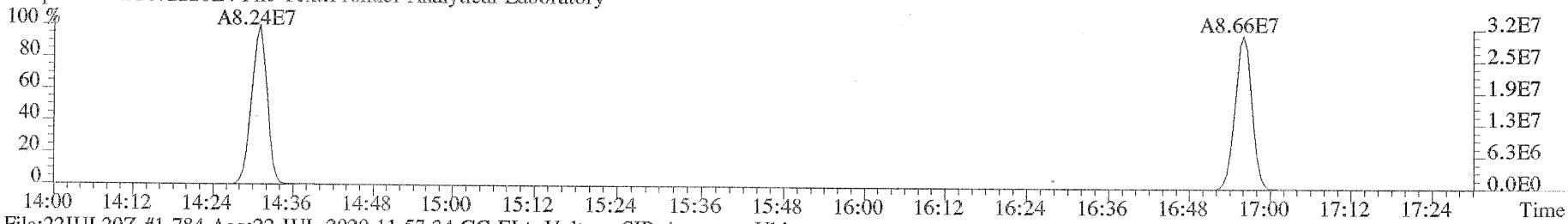
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



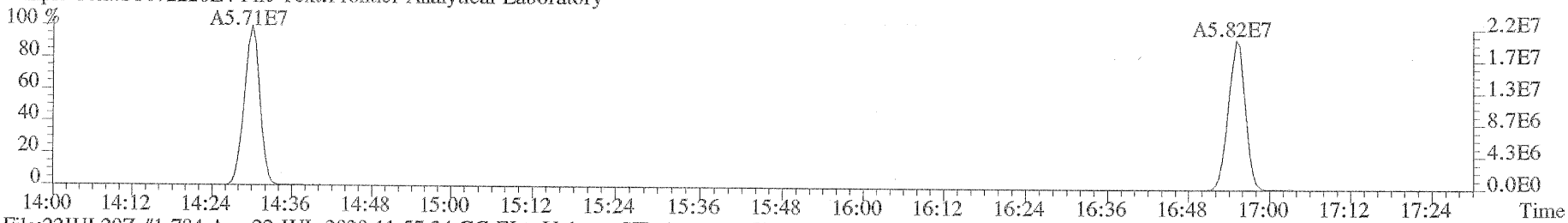
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



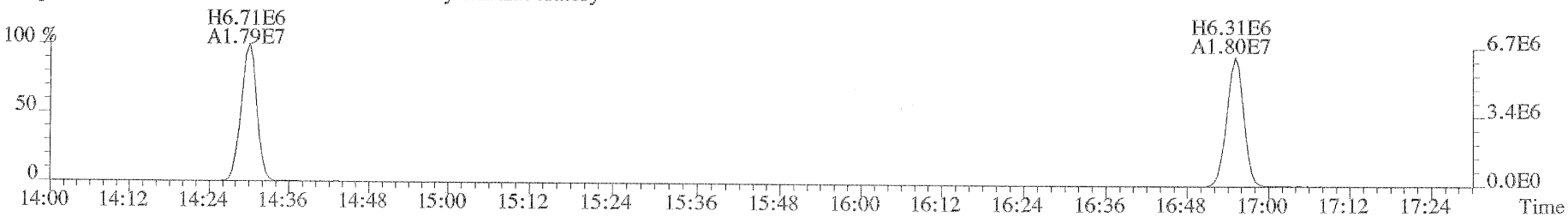
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



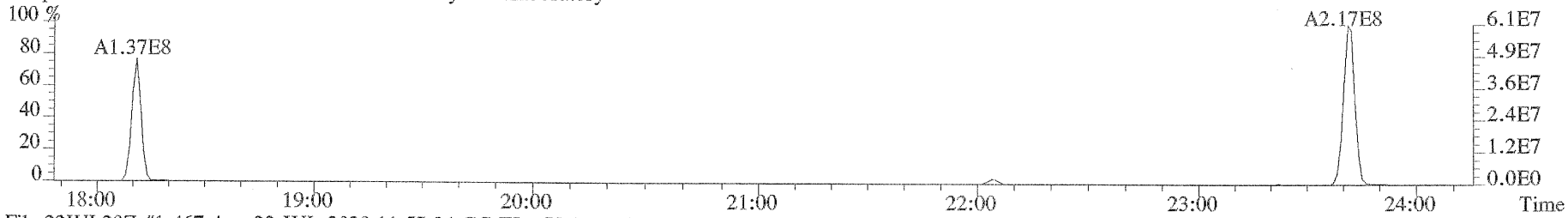
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



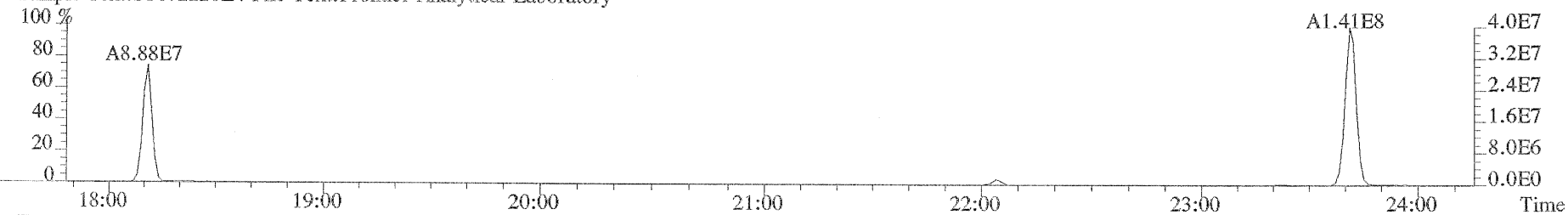
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



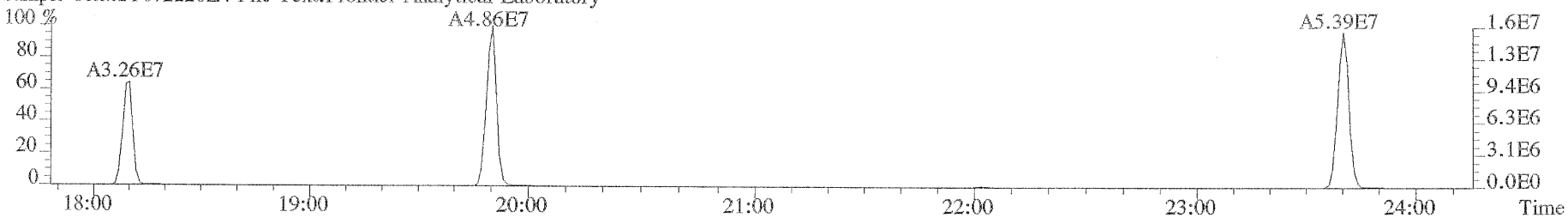
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



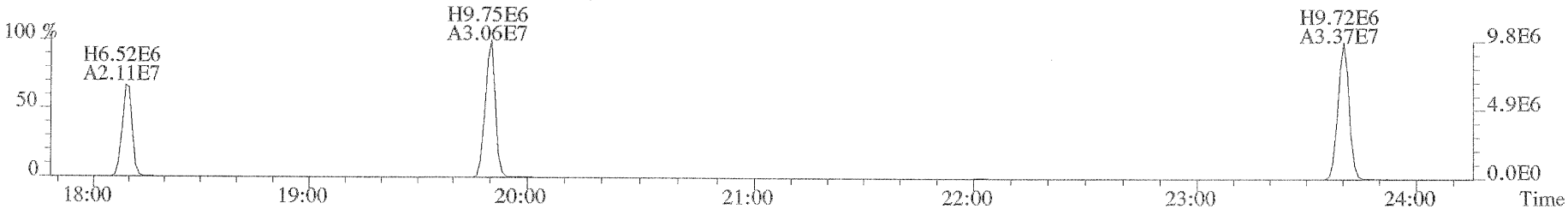
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



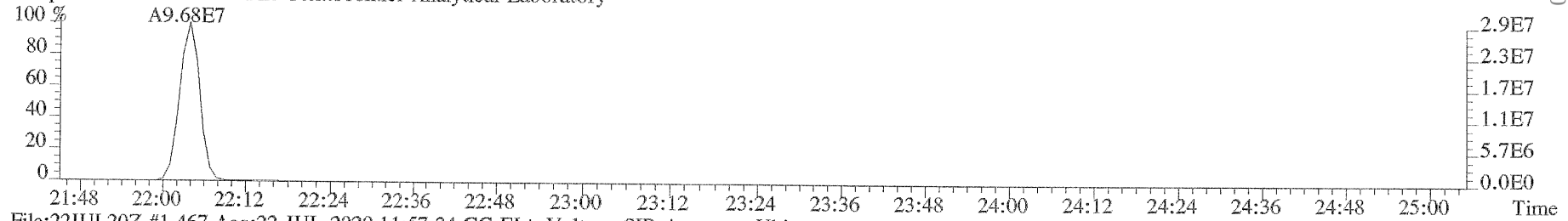
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



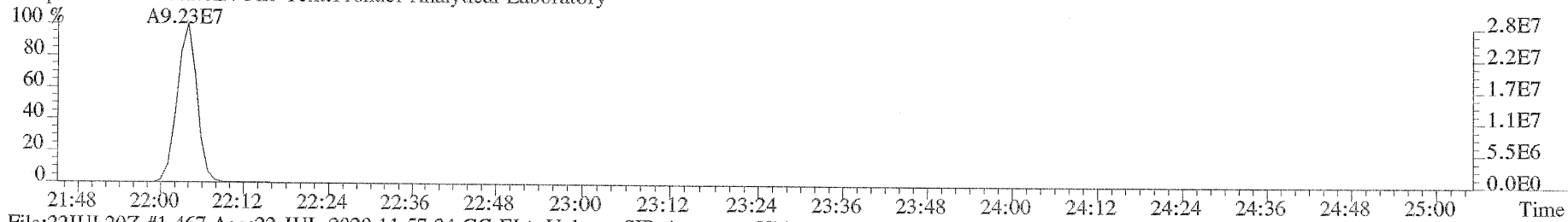
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



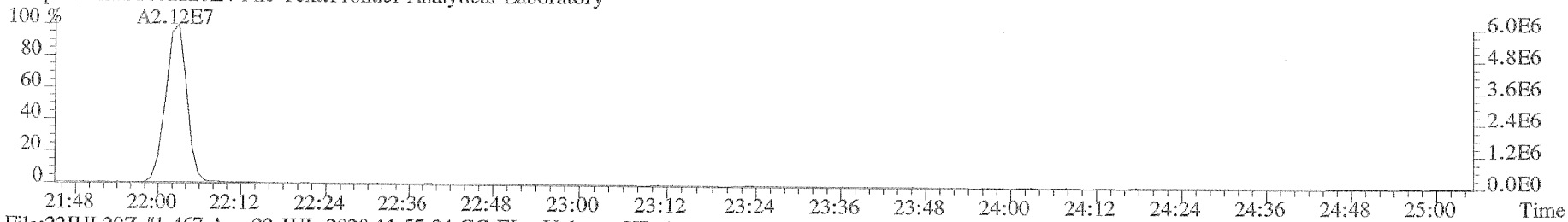
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



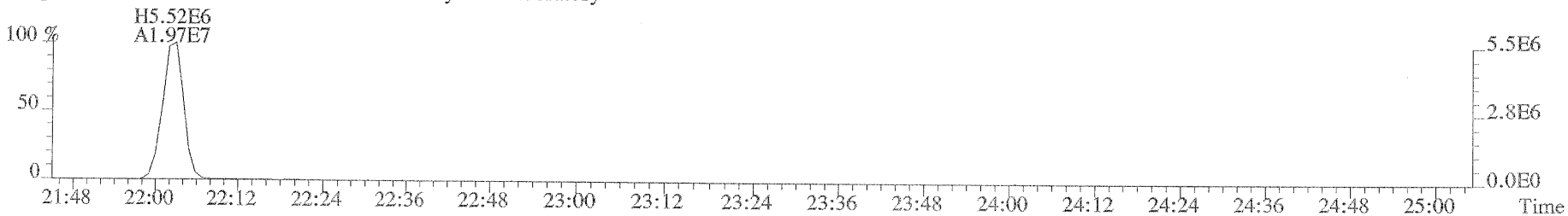
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



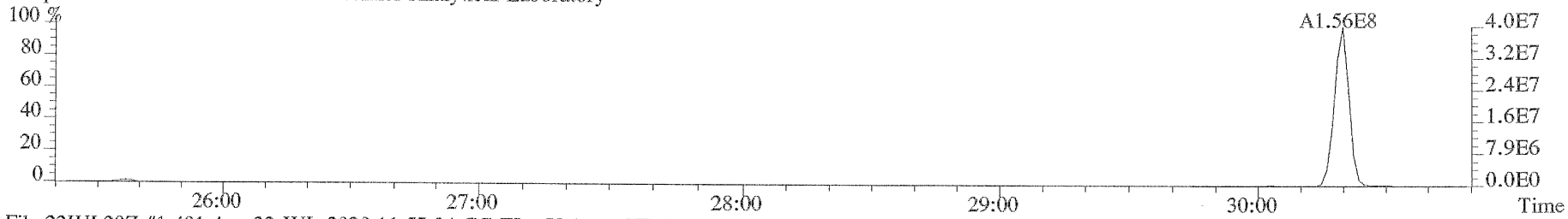
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



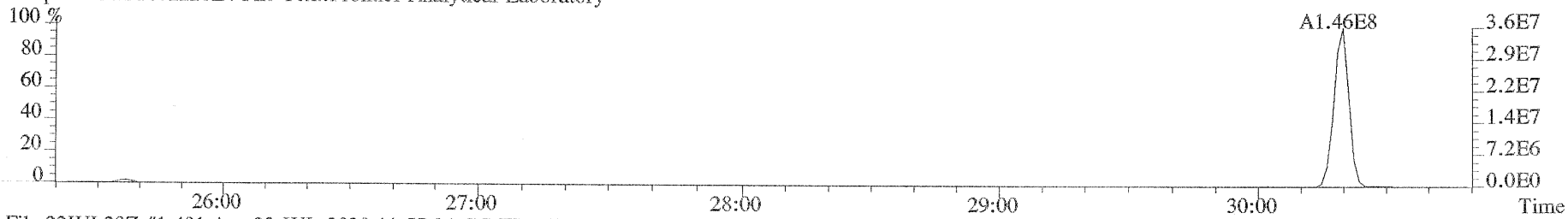
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



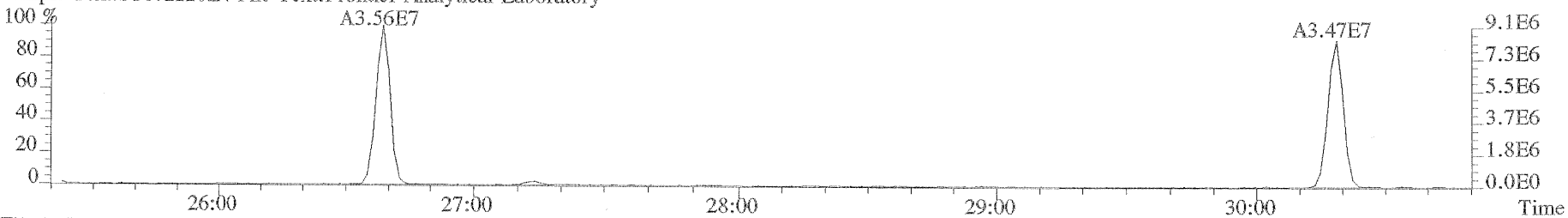
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



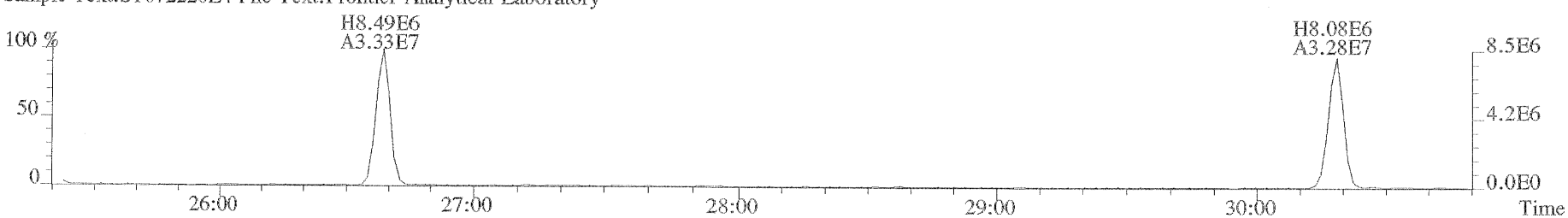
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



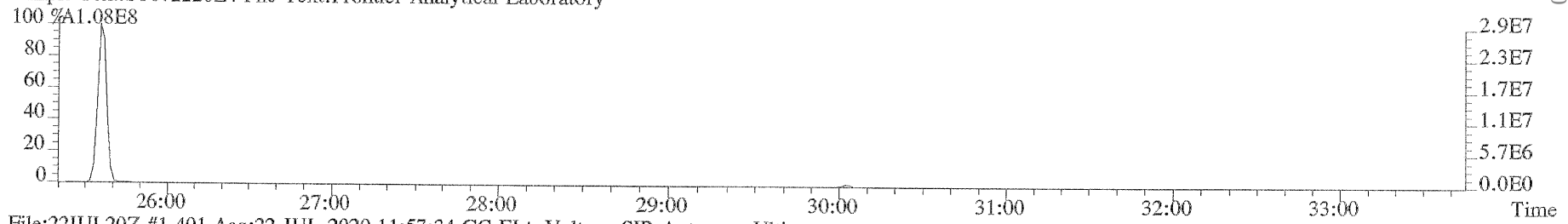
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



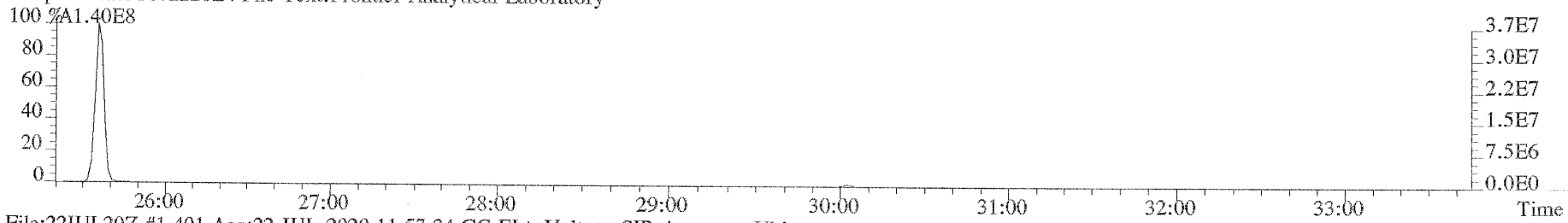
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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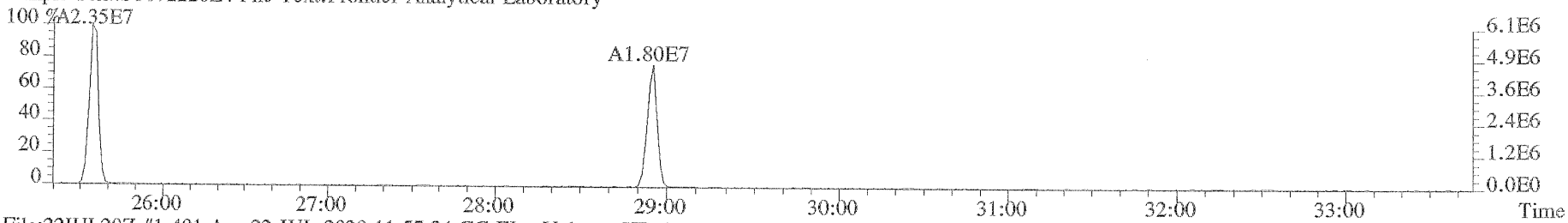
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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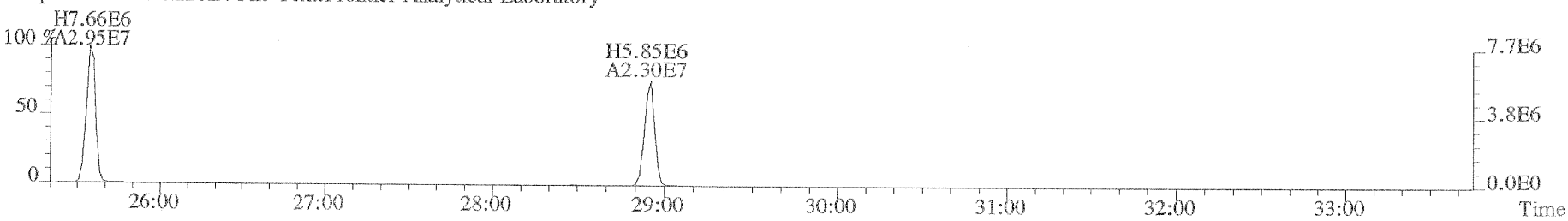
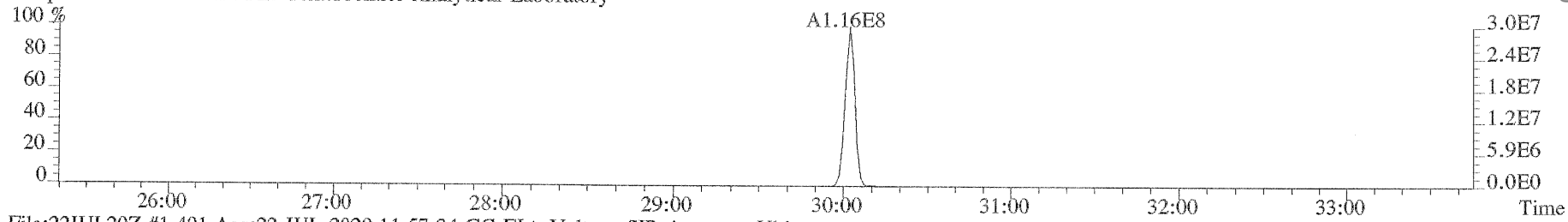
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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
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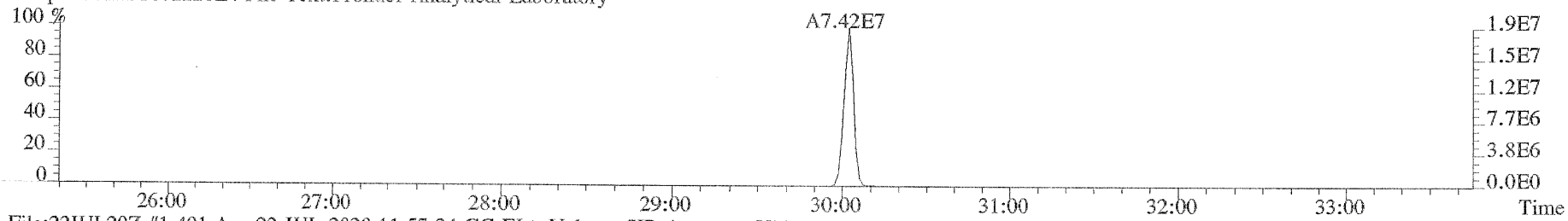
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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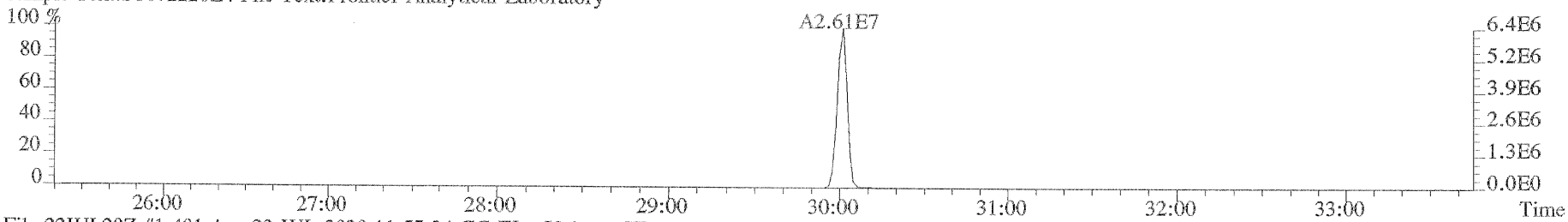
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
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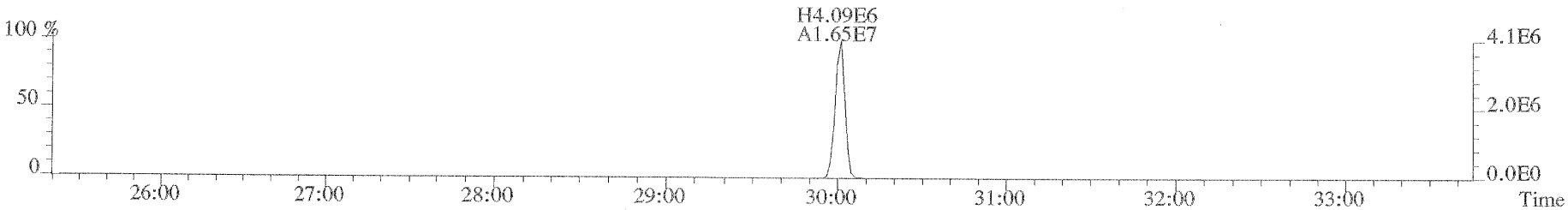
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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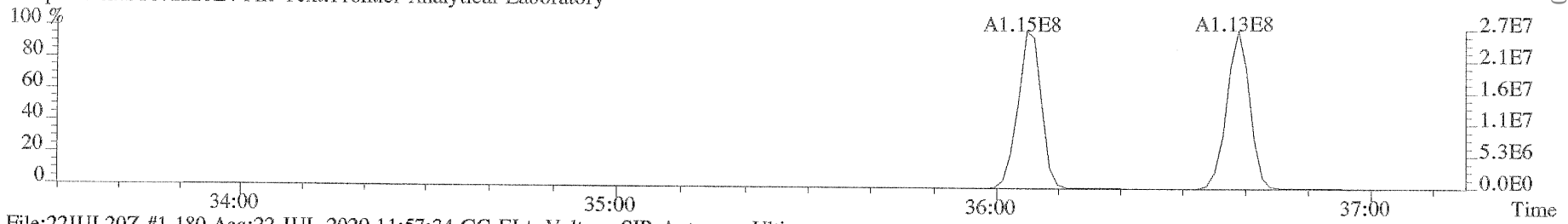
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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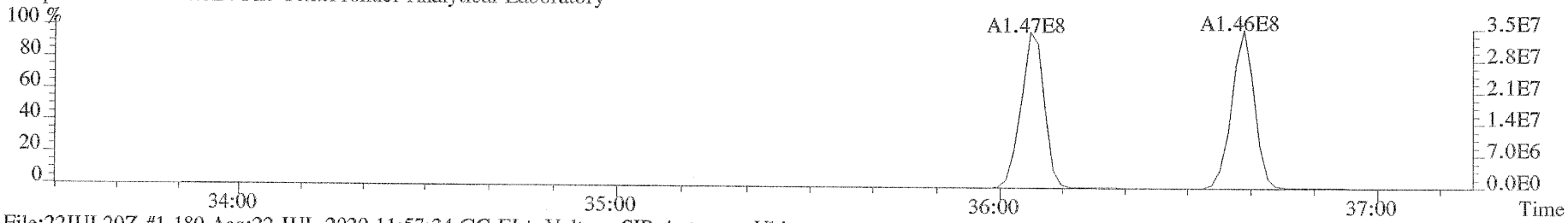
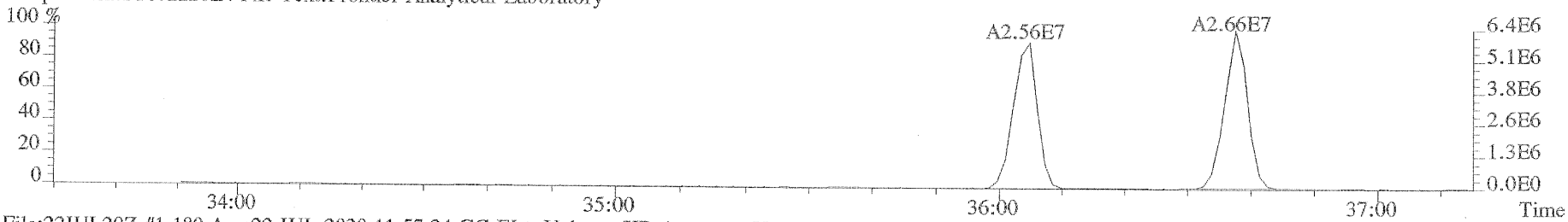
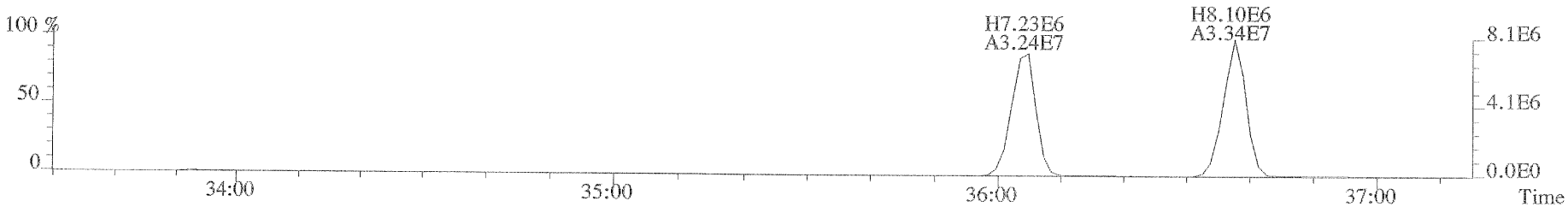
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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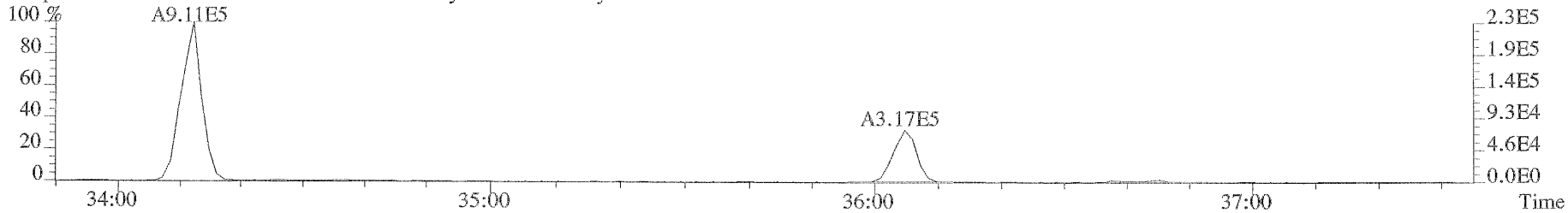
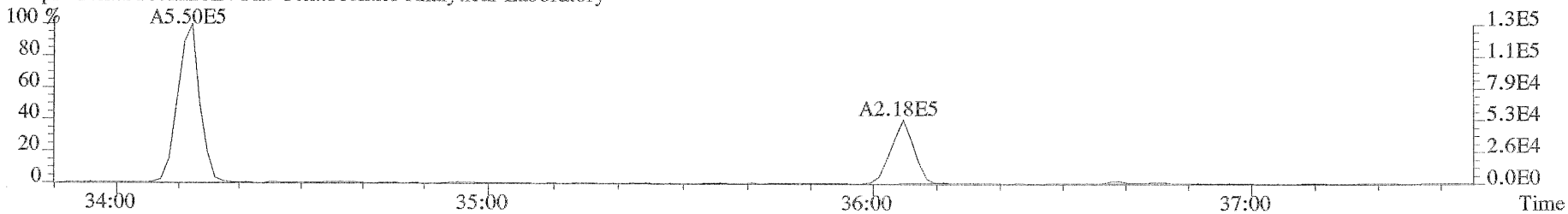
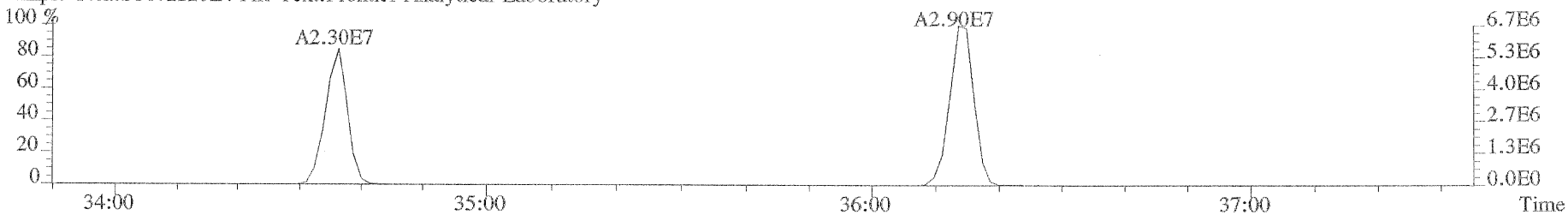
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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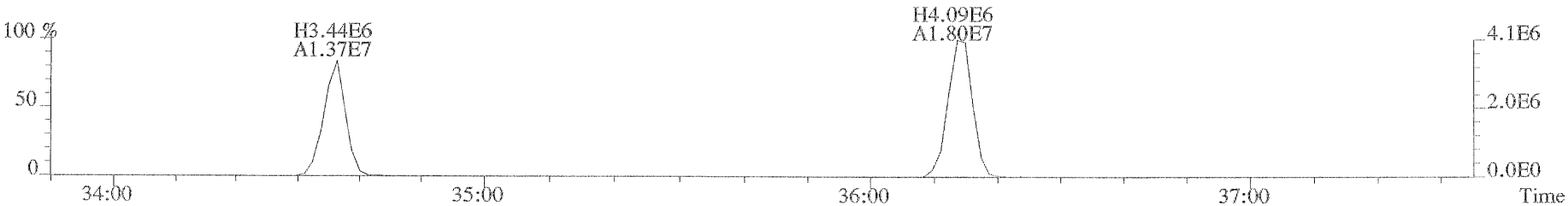
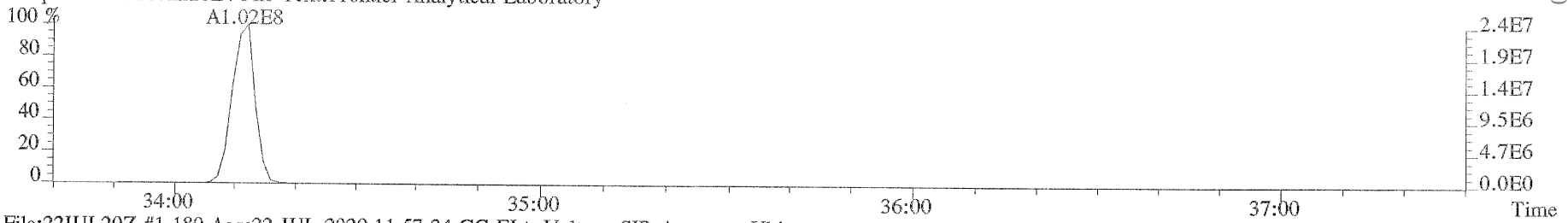
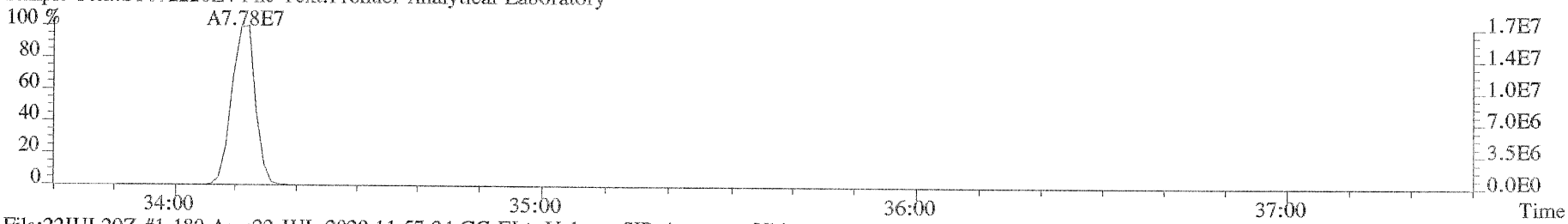
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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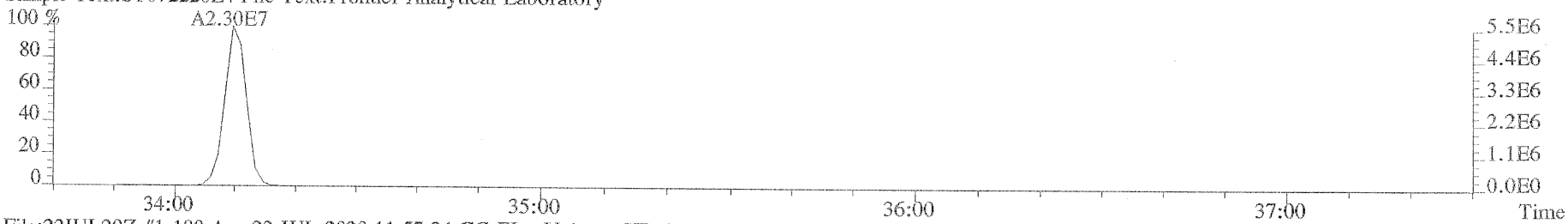
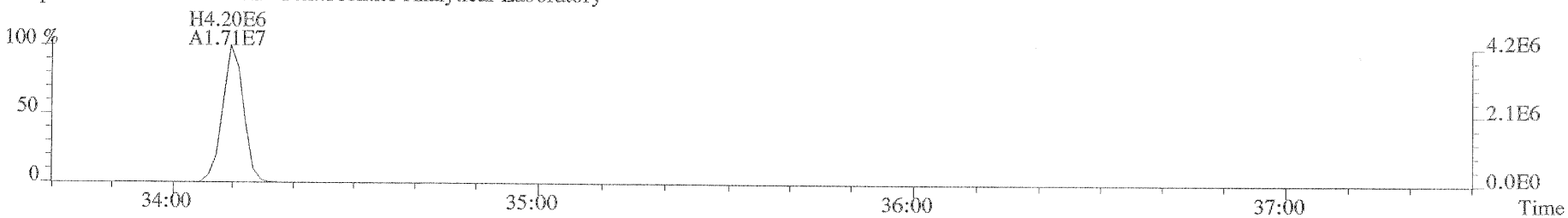
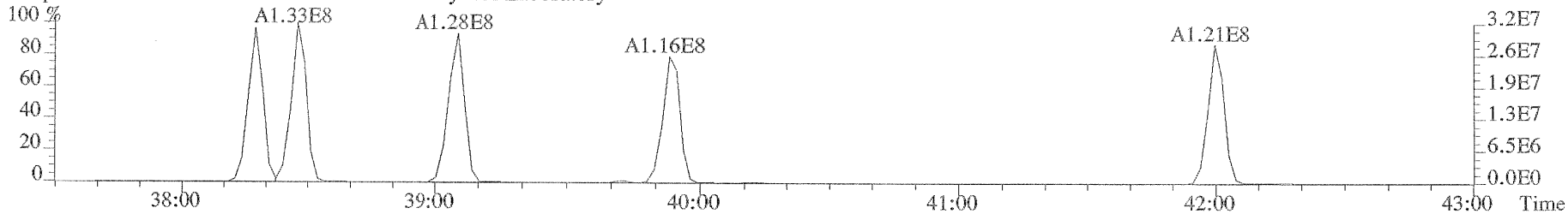
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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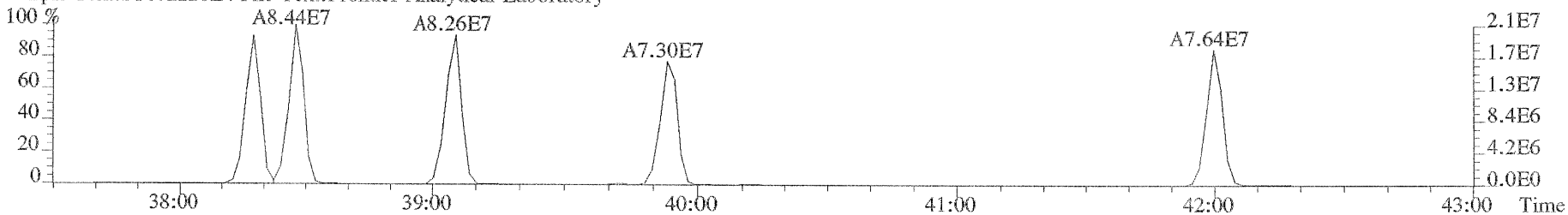
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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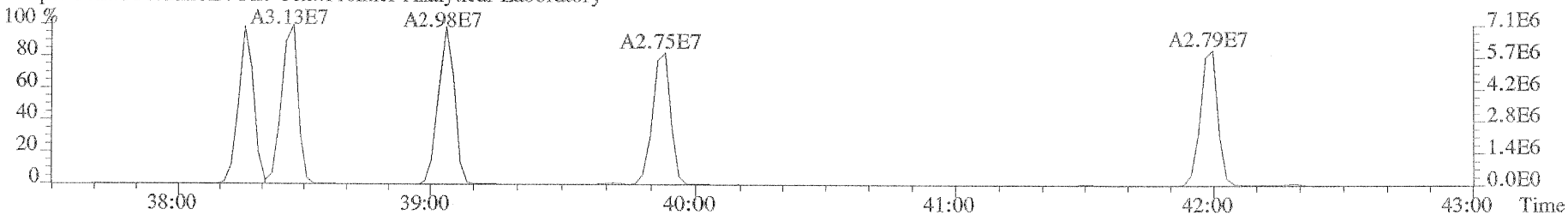
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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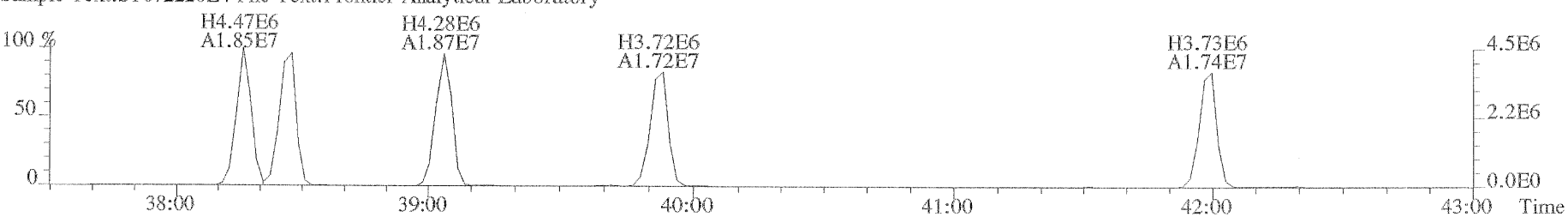
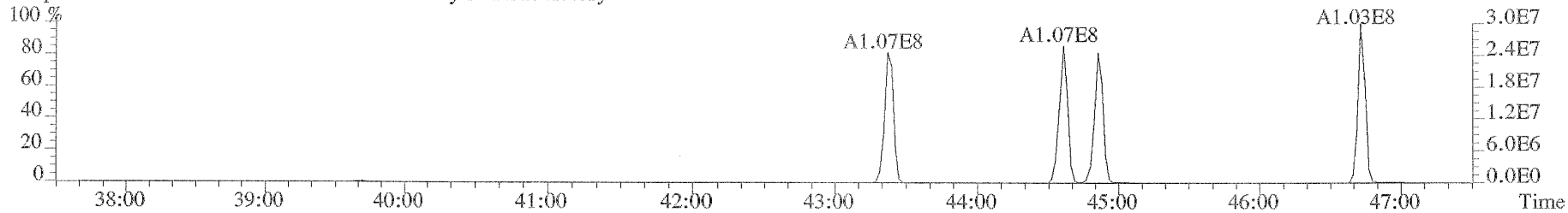
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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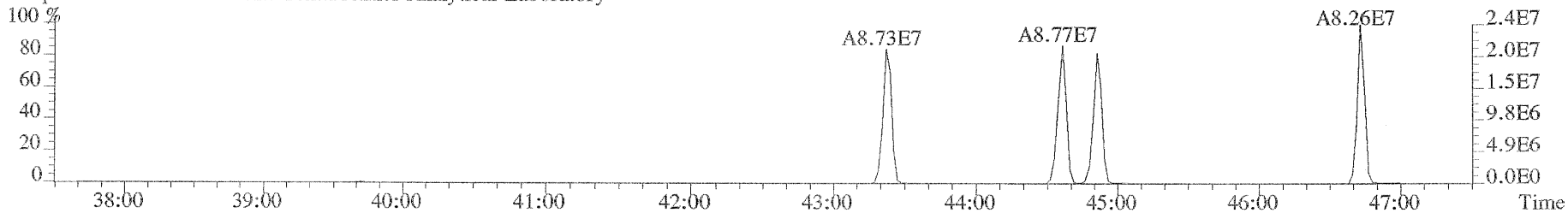
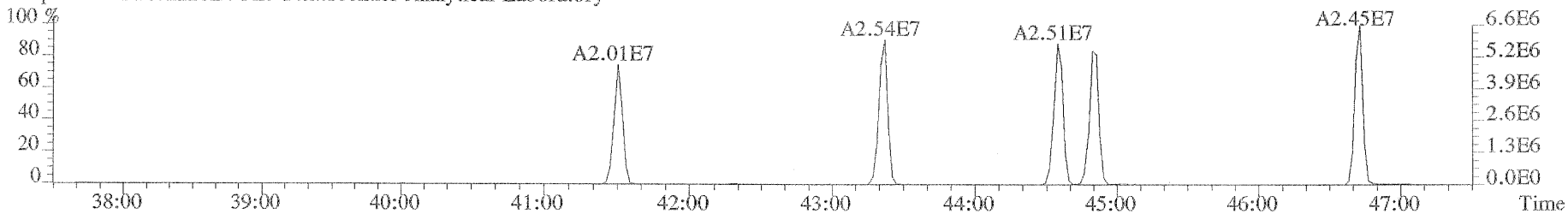
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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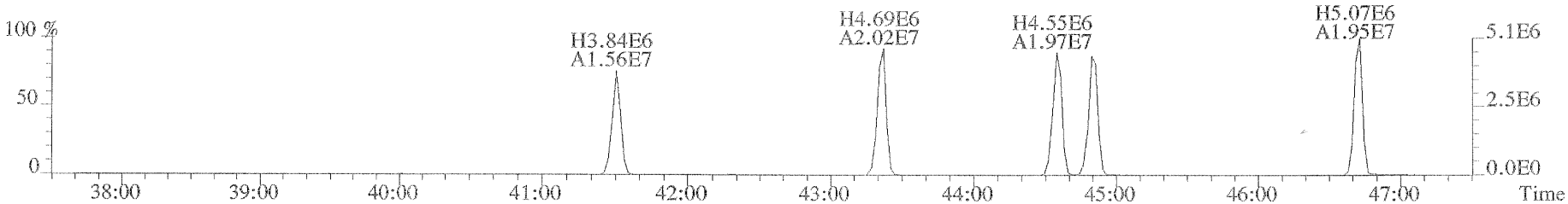
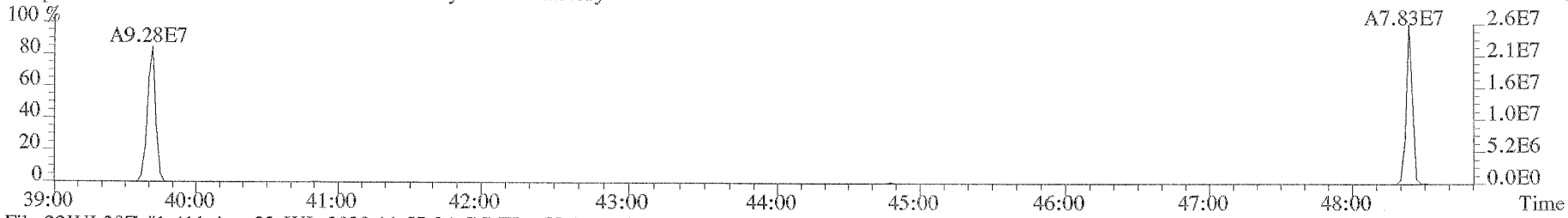
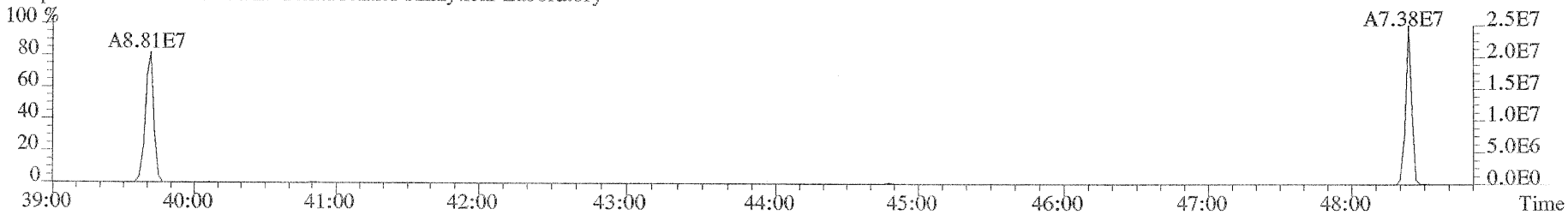


File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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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
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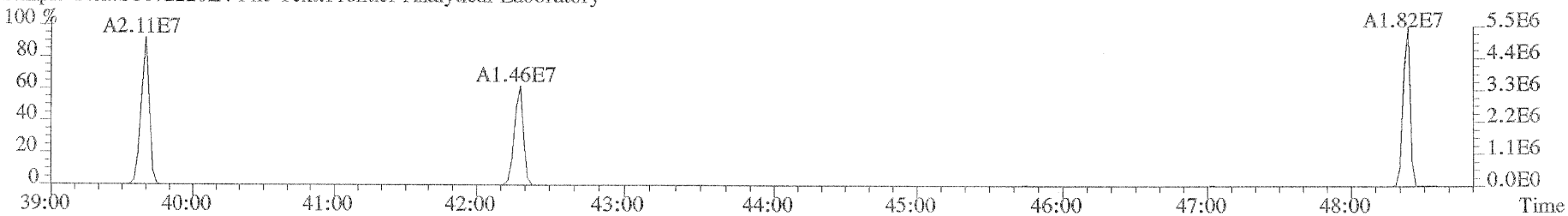

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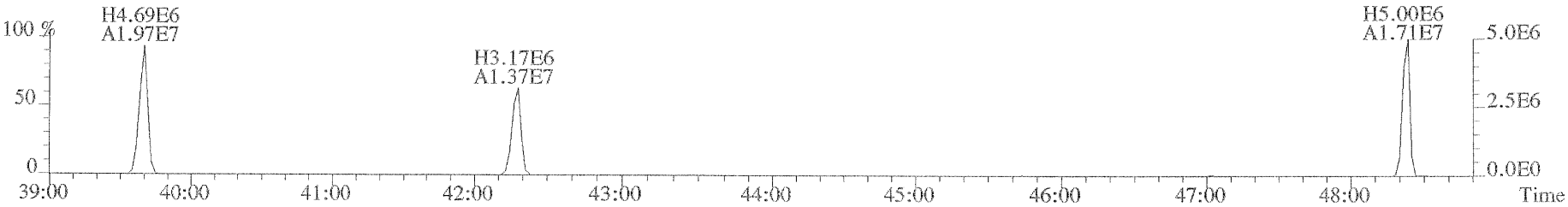
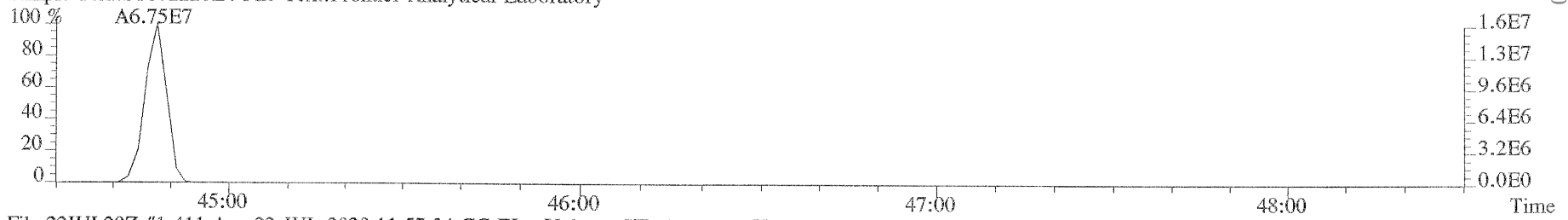
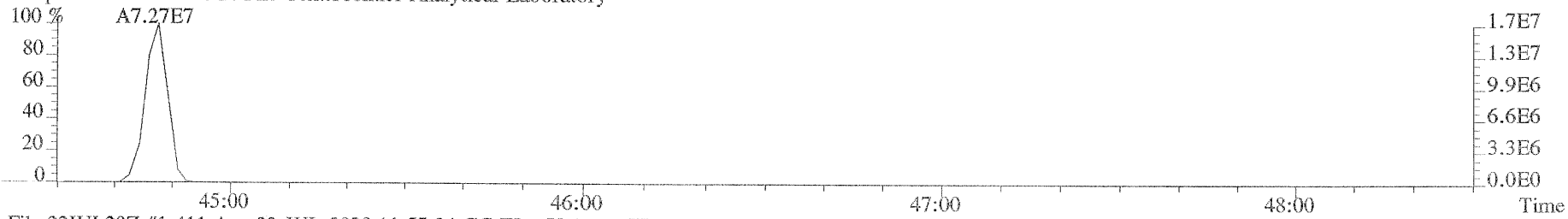
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



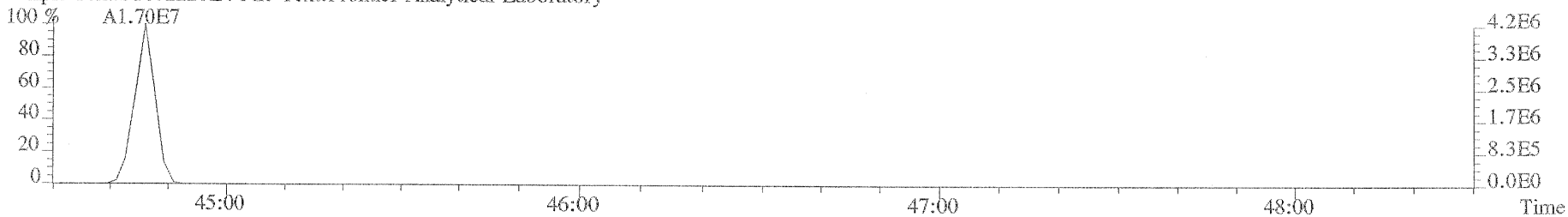
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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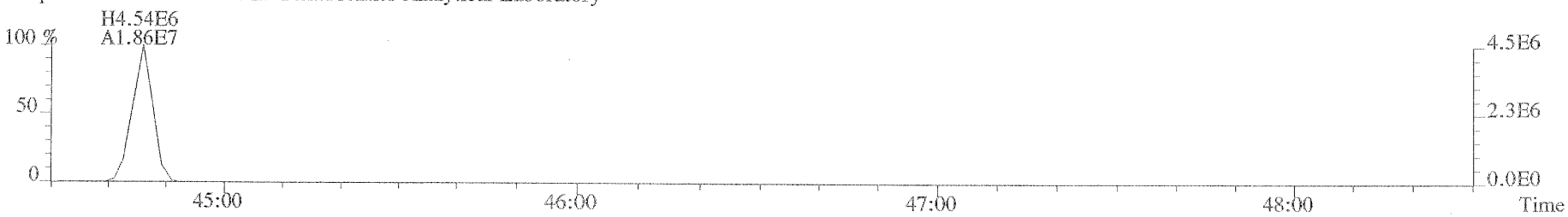
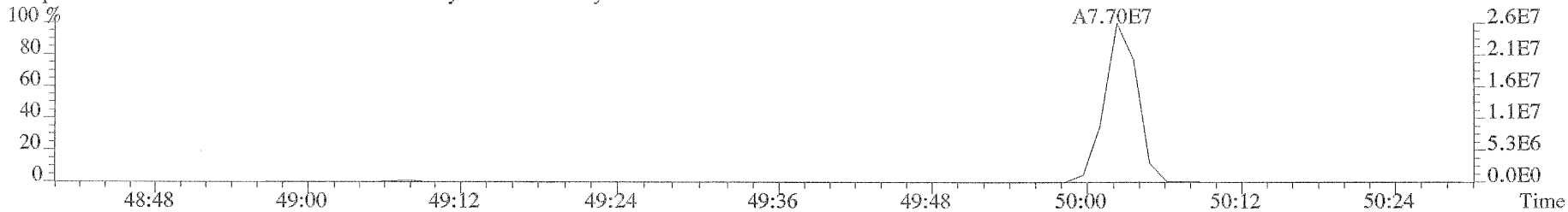
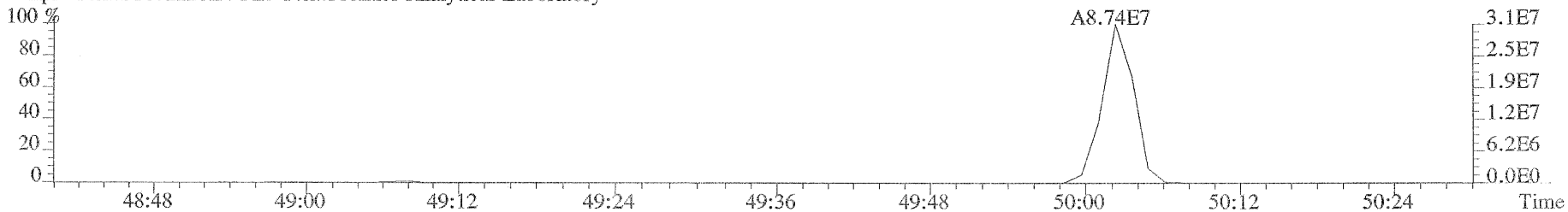
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



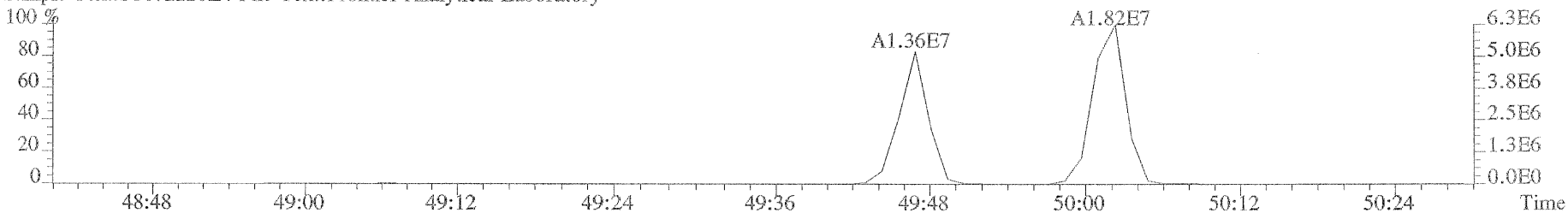
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



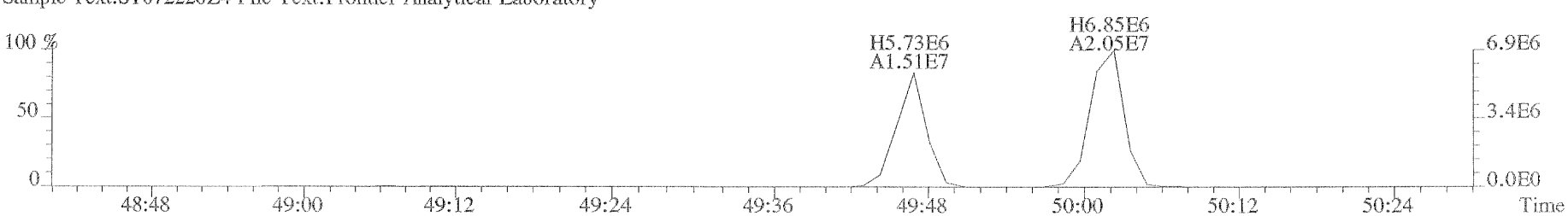
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



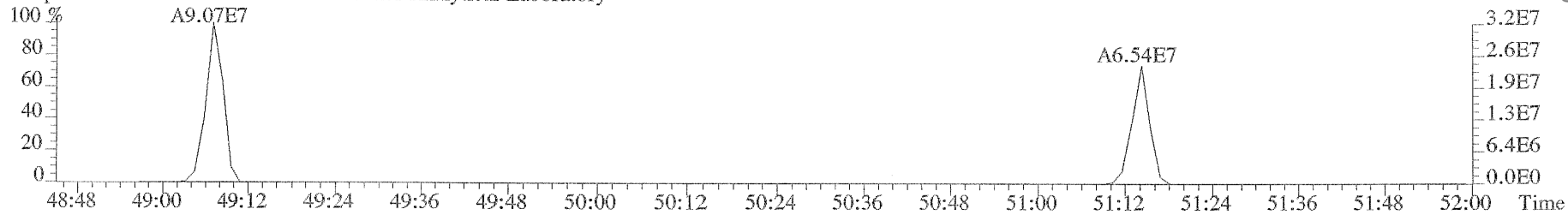
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



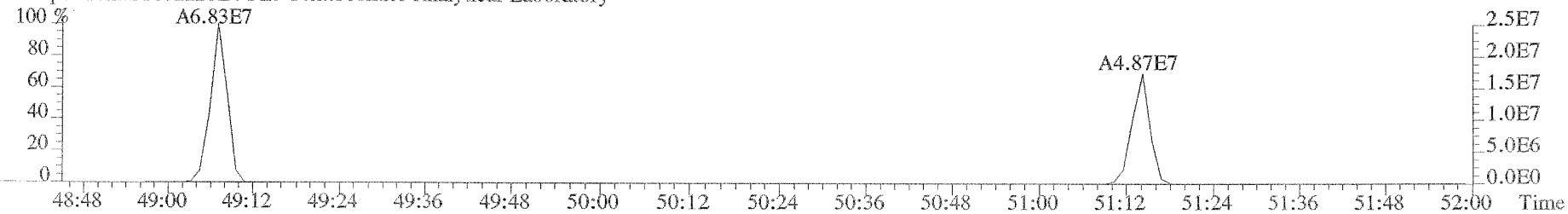
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



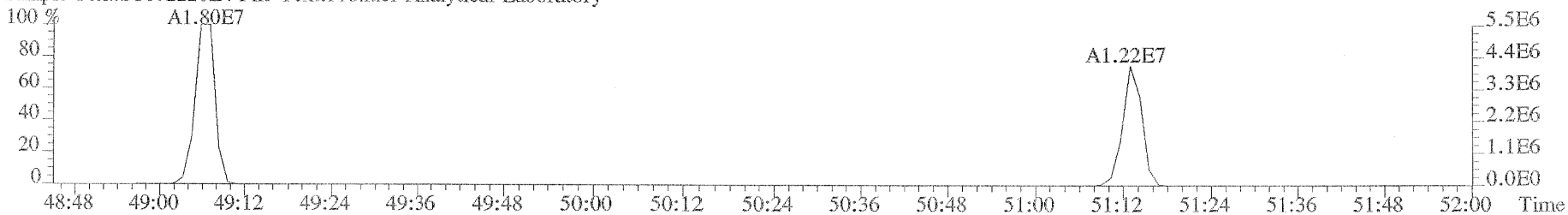
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



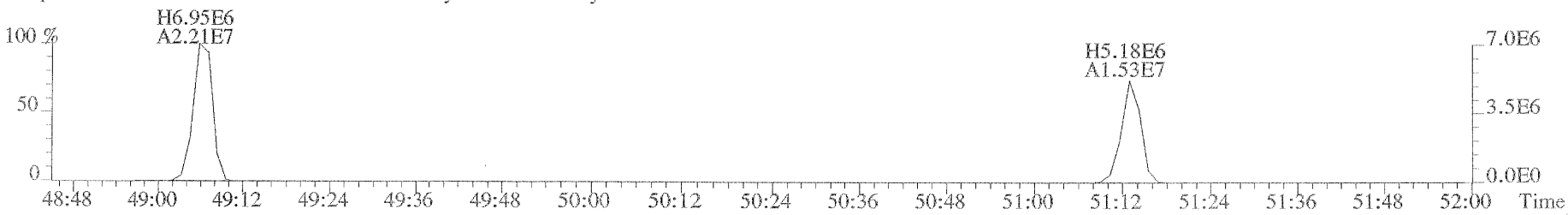
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



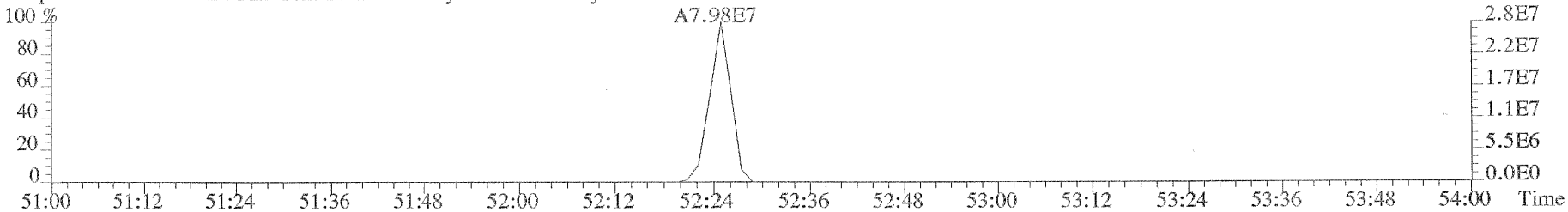
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



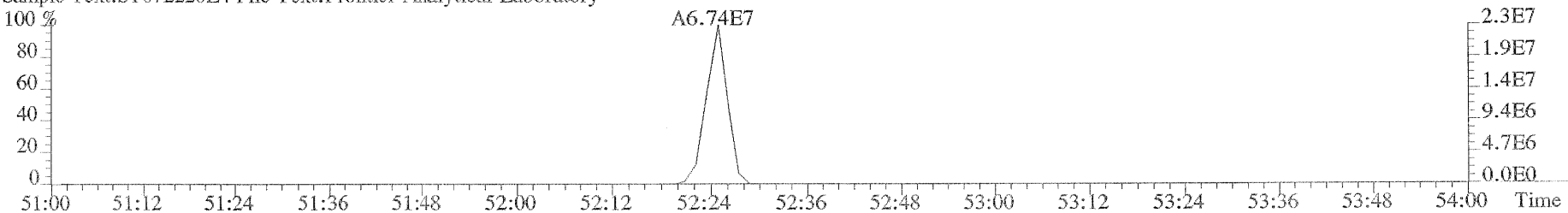
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



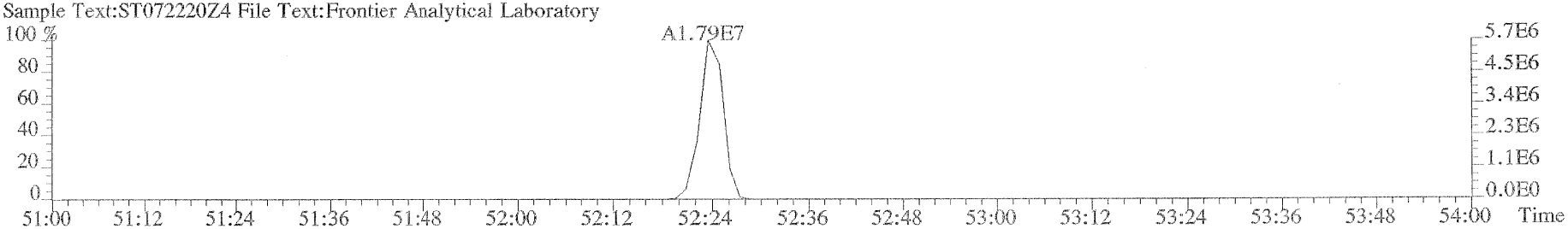
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



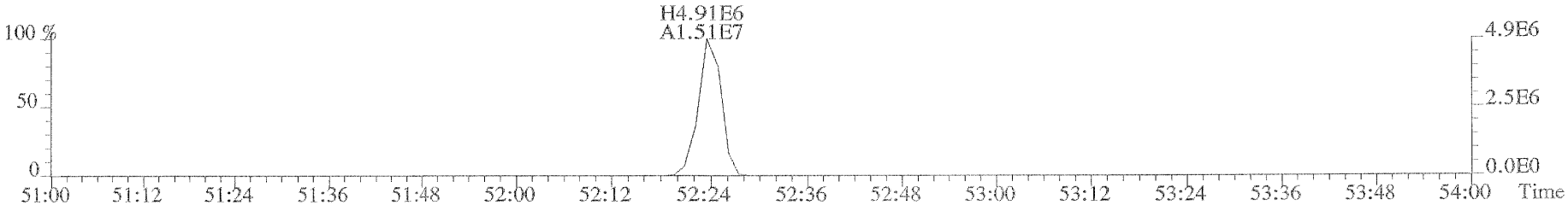
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



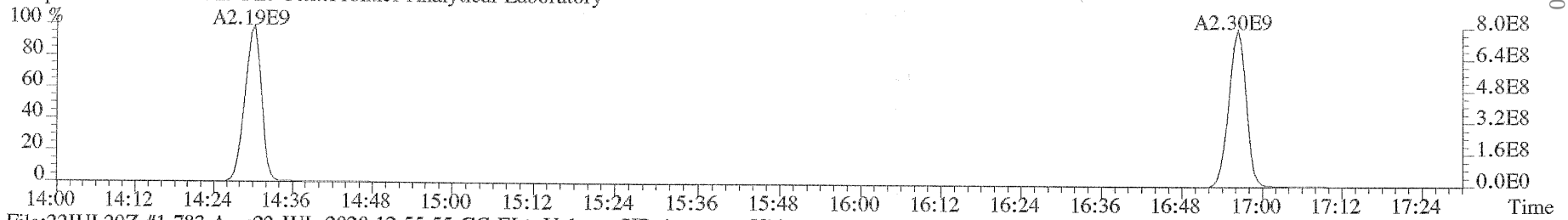
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



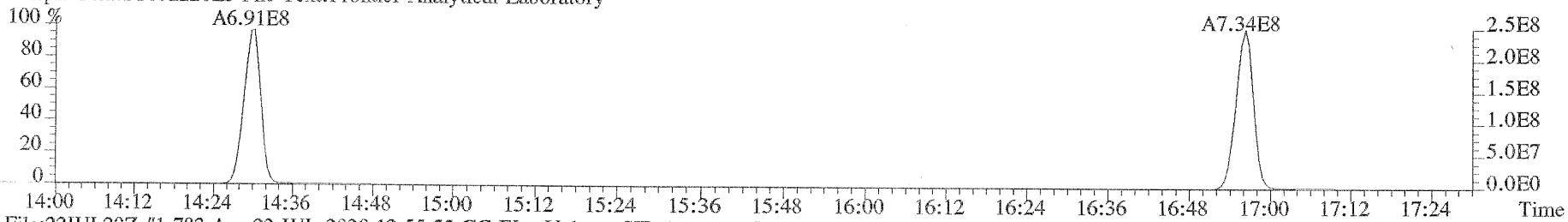
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



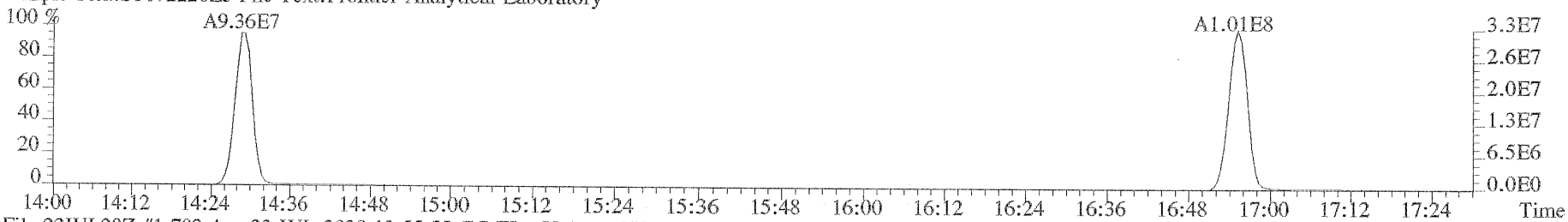
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



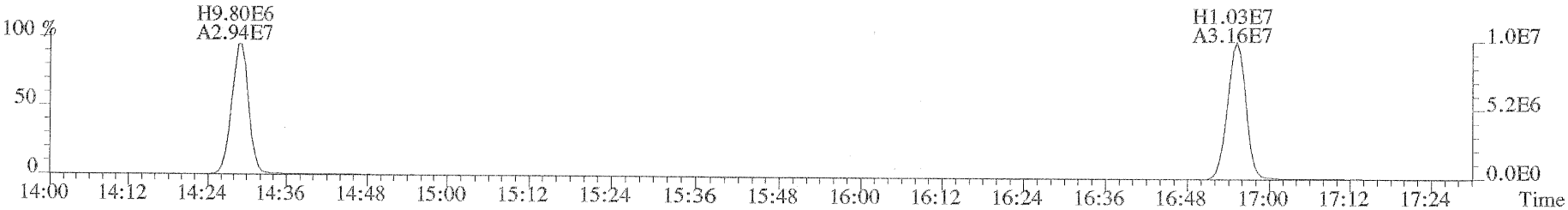
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



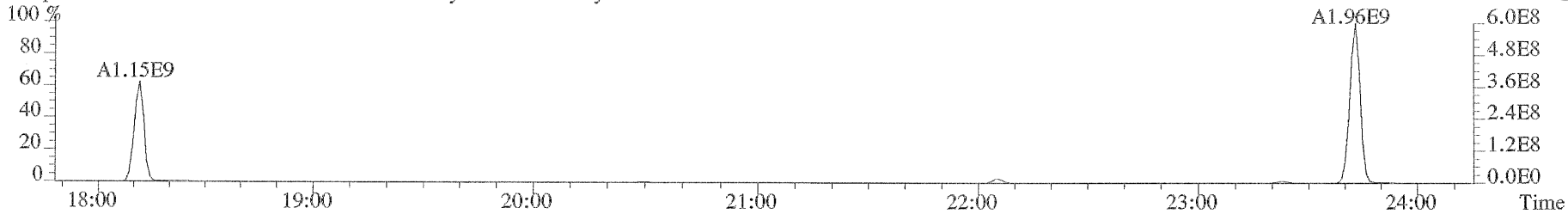
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



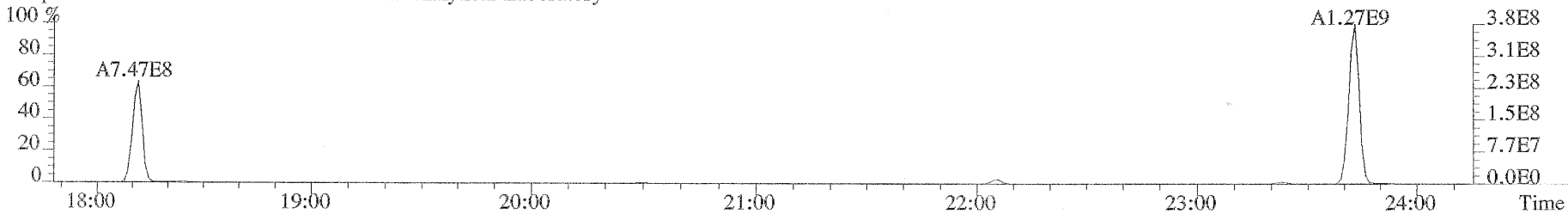
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



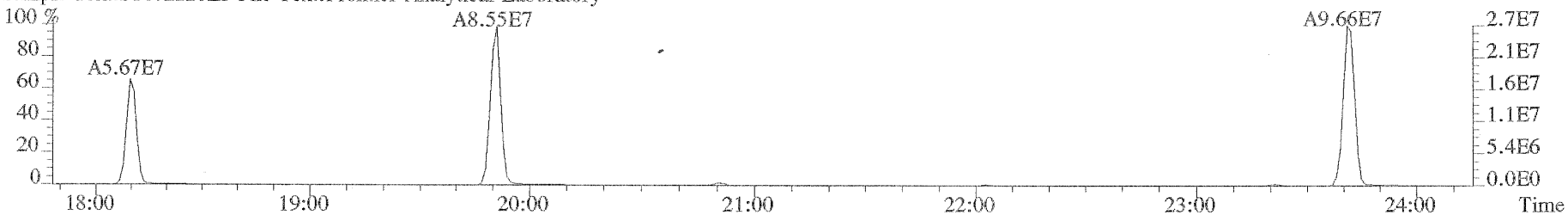
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



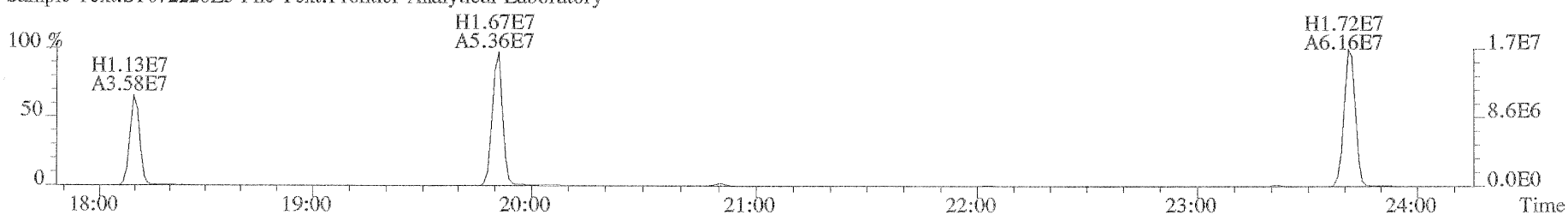
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



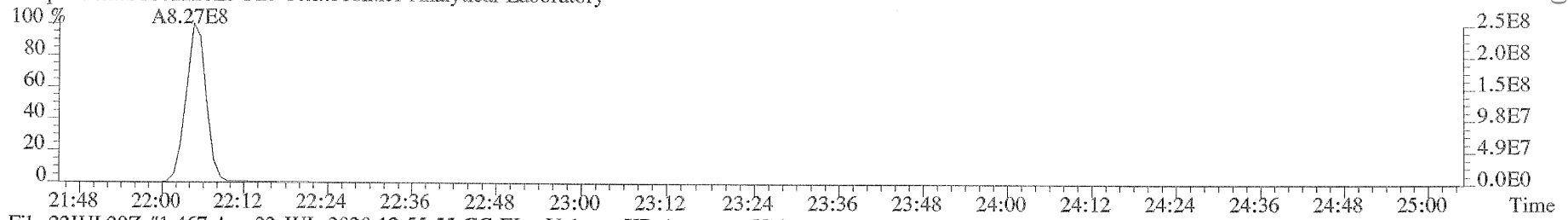
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



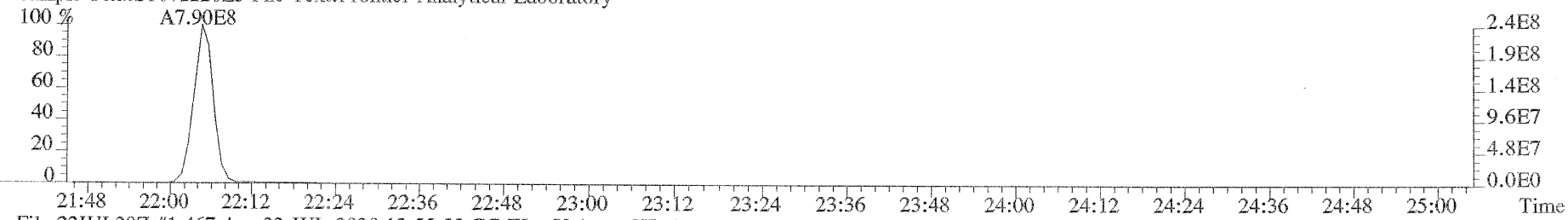
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



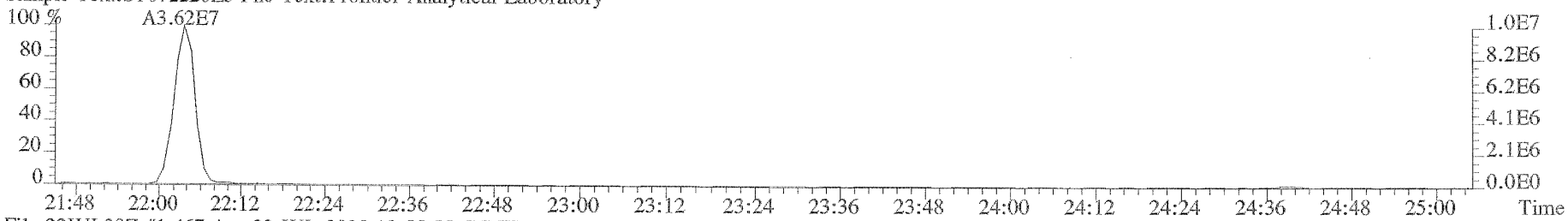
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



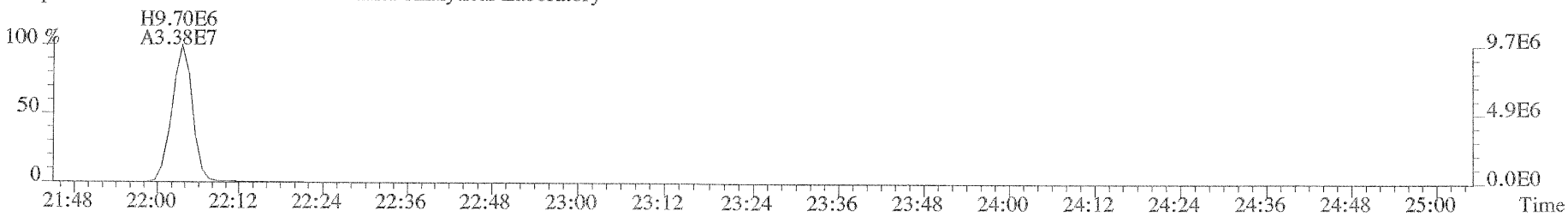
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



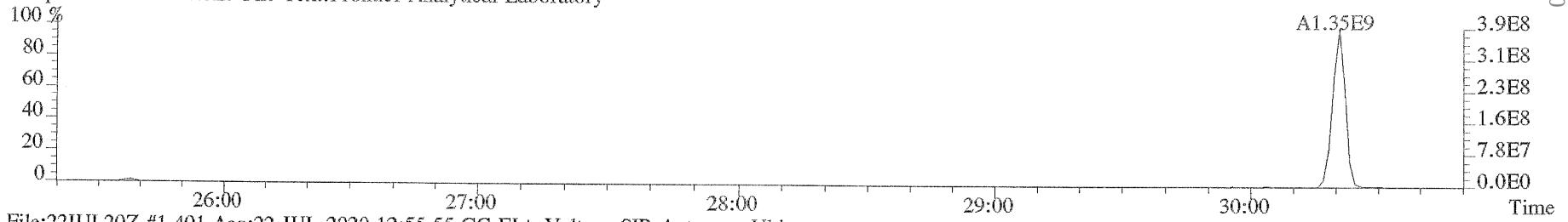
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



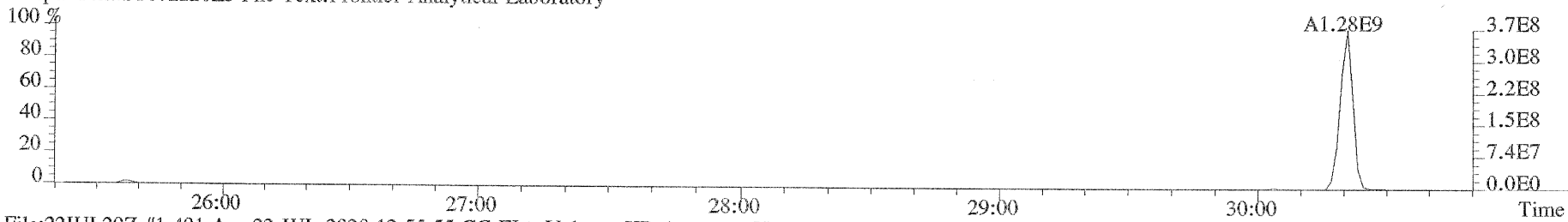
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



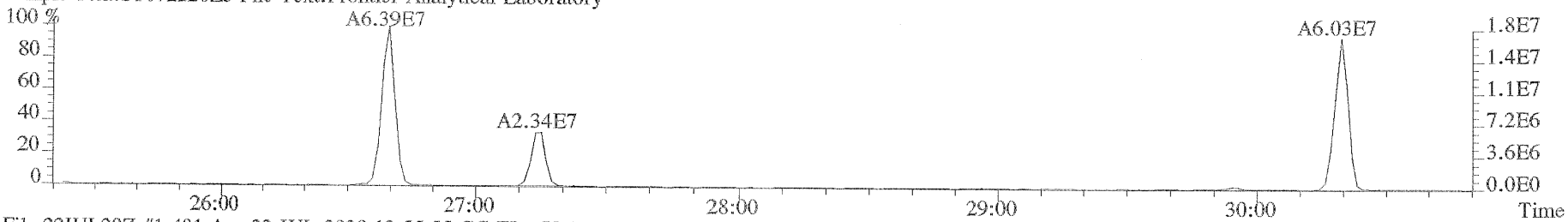
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



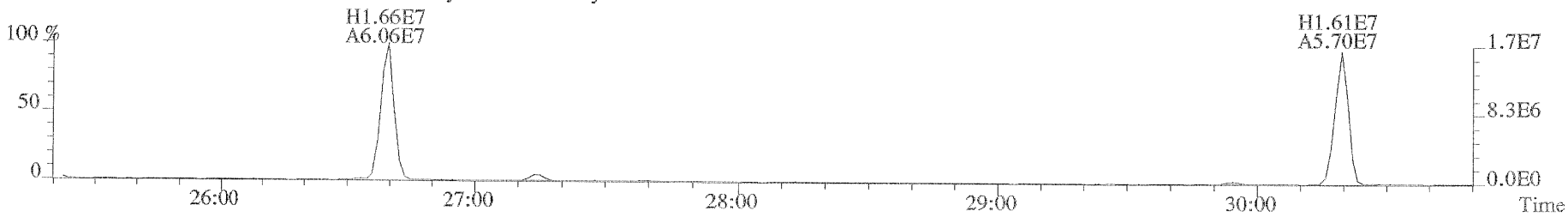
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



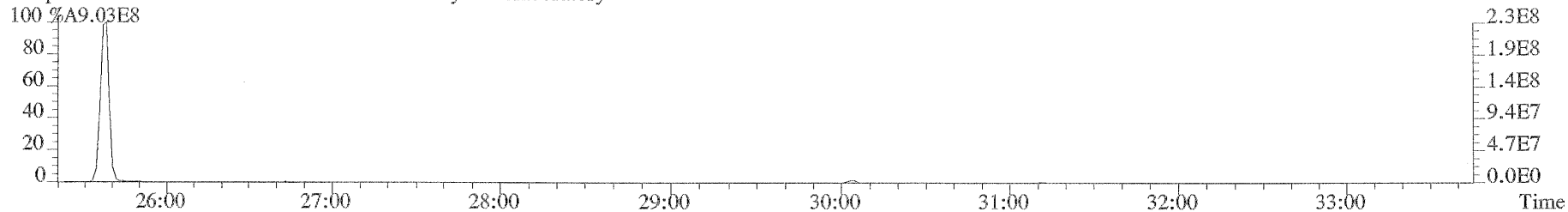
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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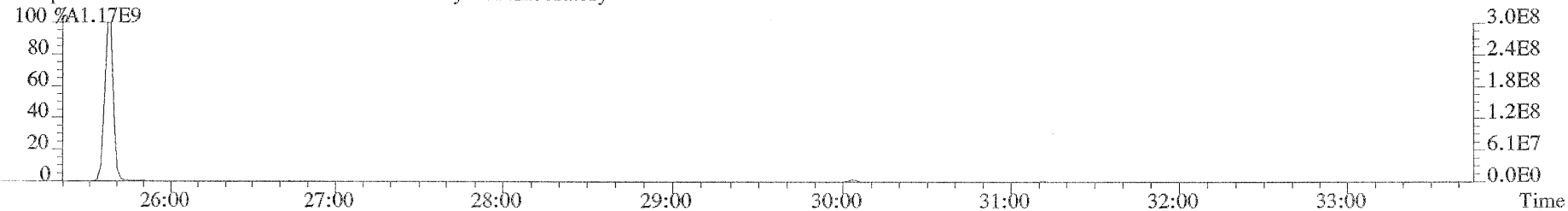
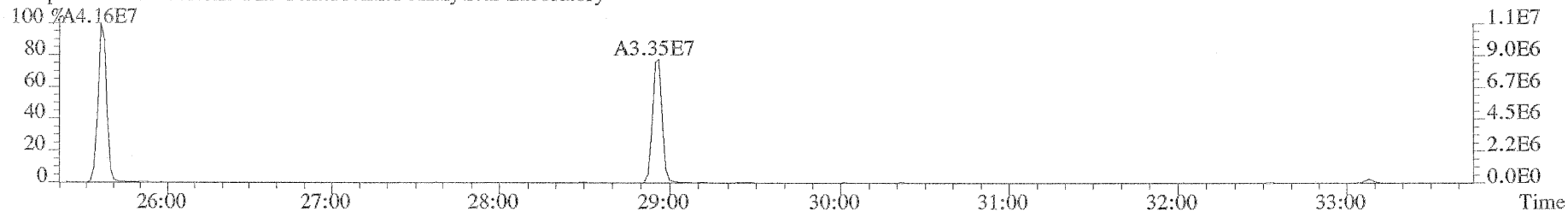
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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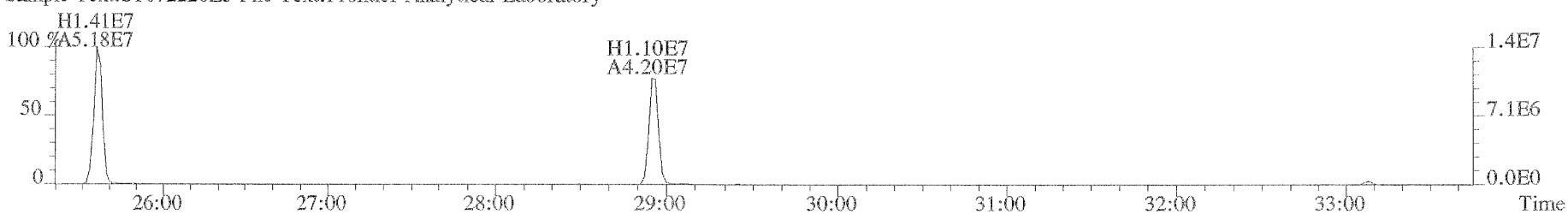
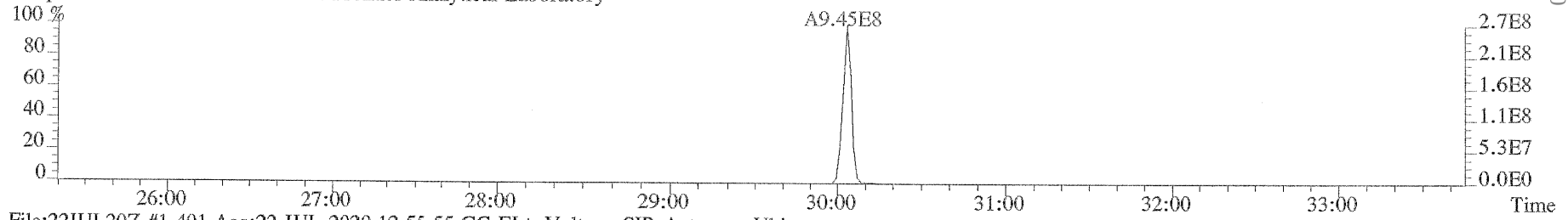
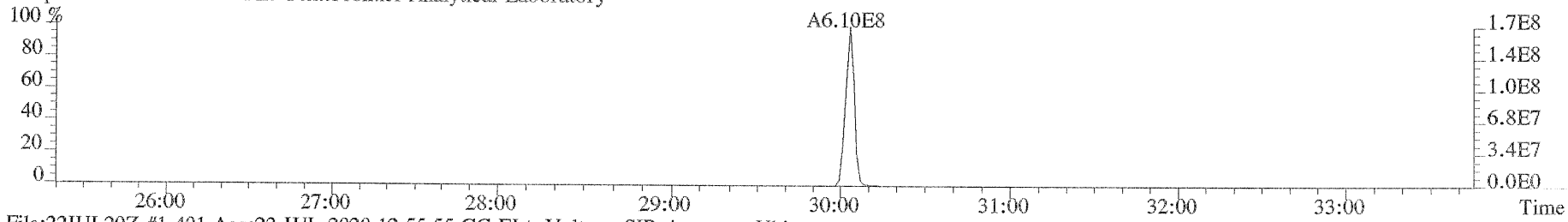
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



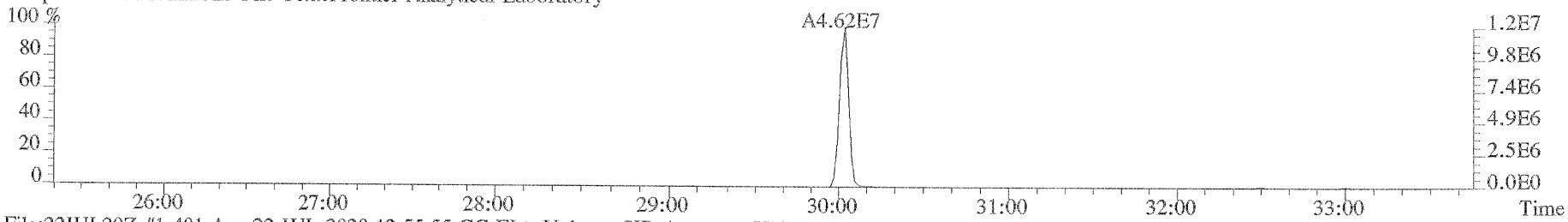
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



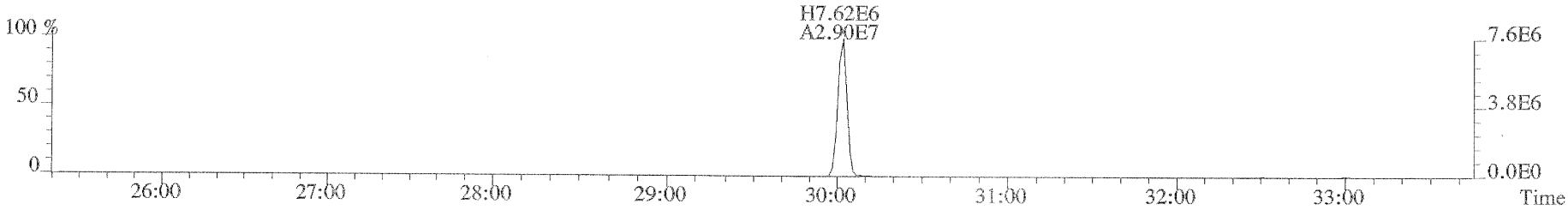
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



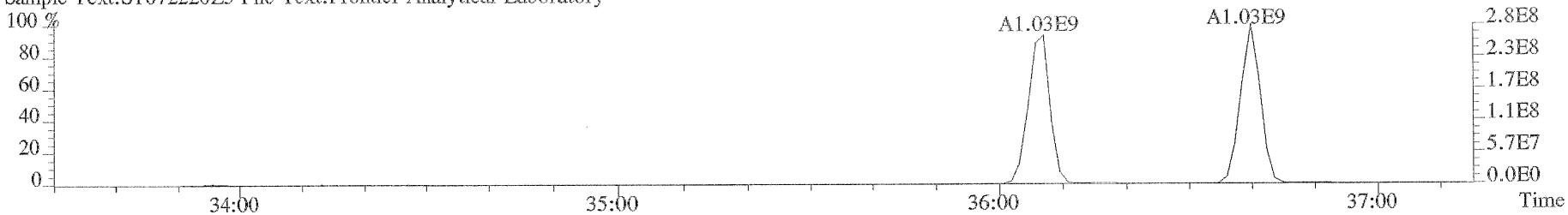
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



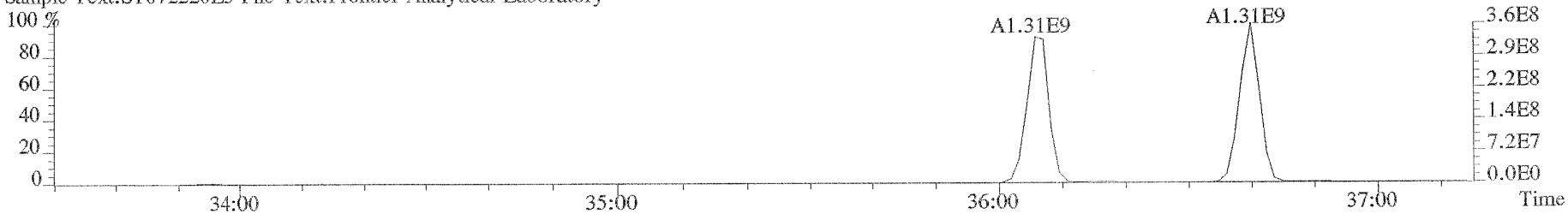
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



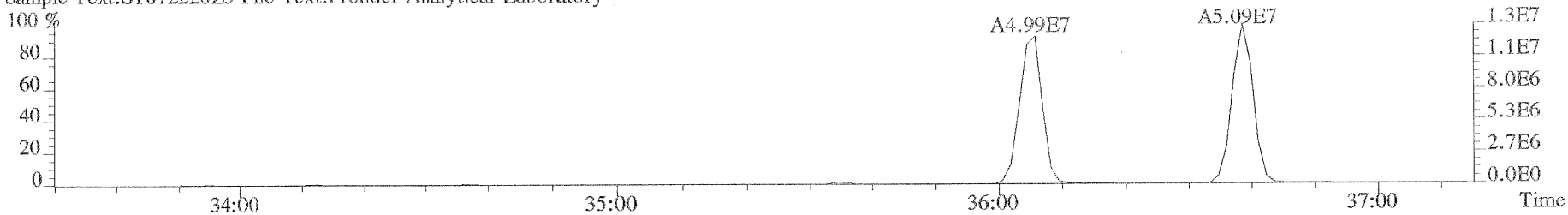
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



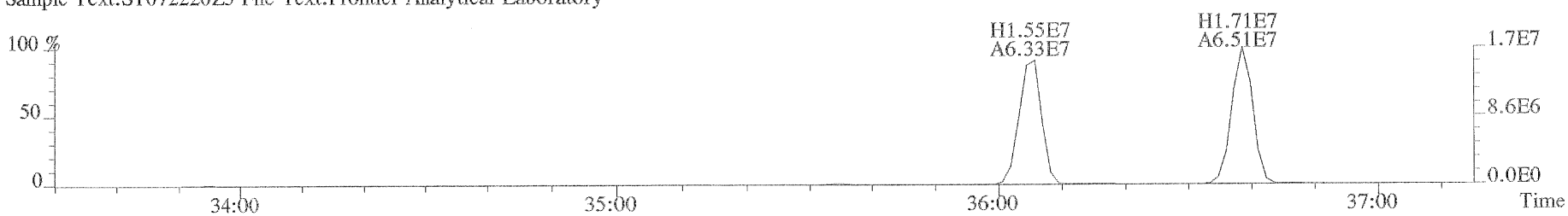
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



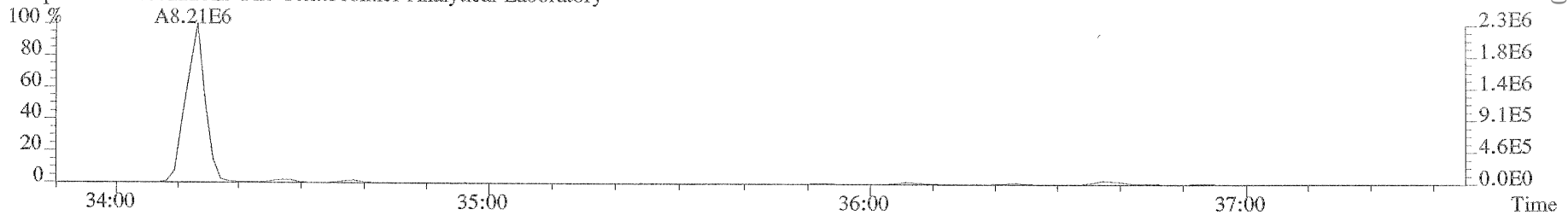
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



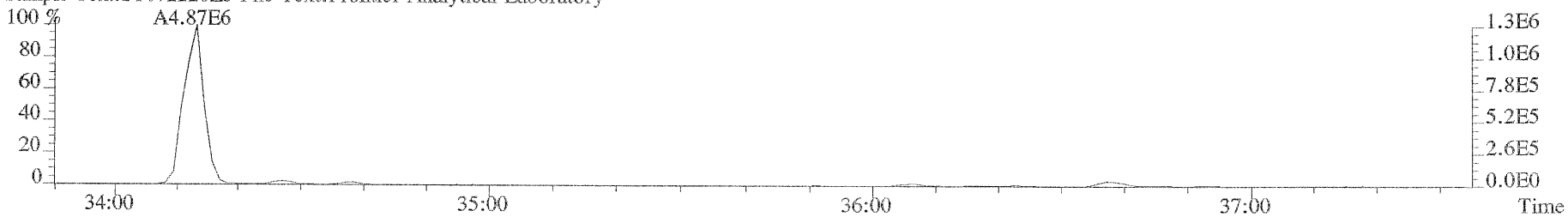
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



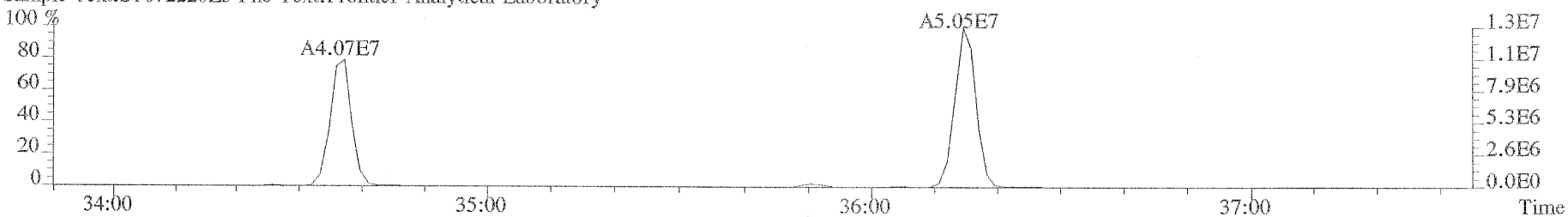
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



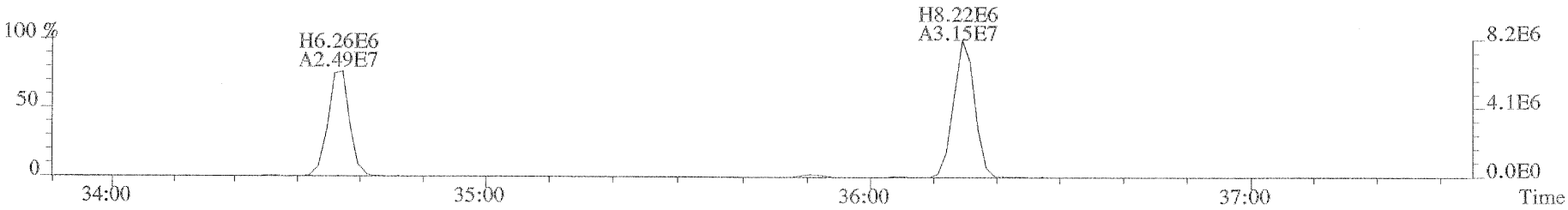
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



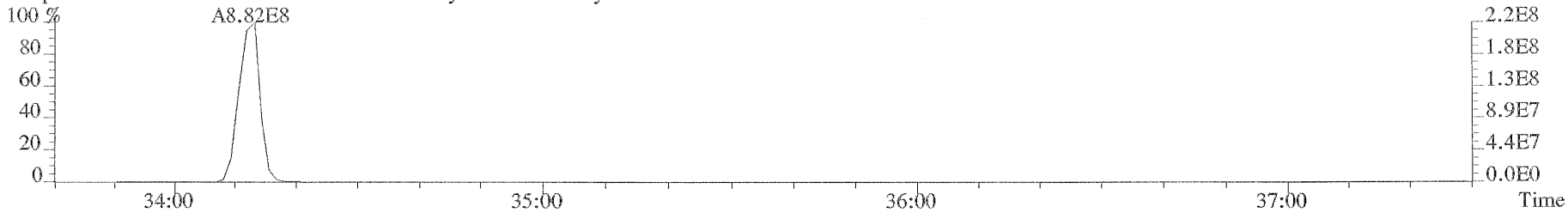
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



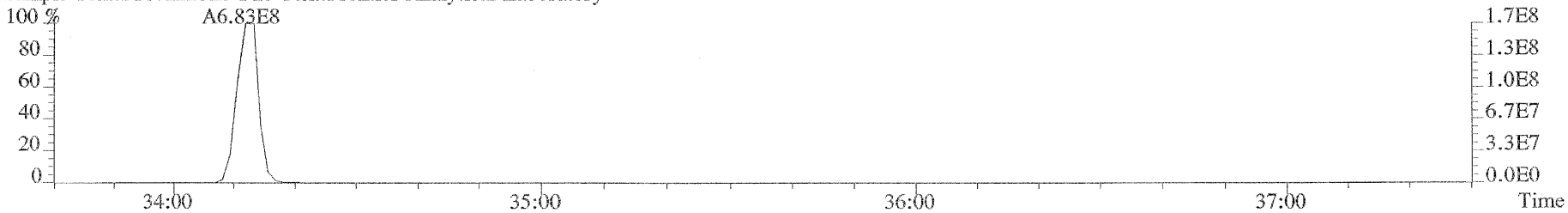
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



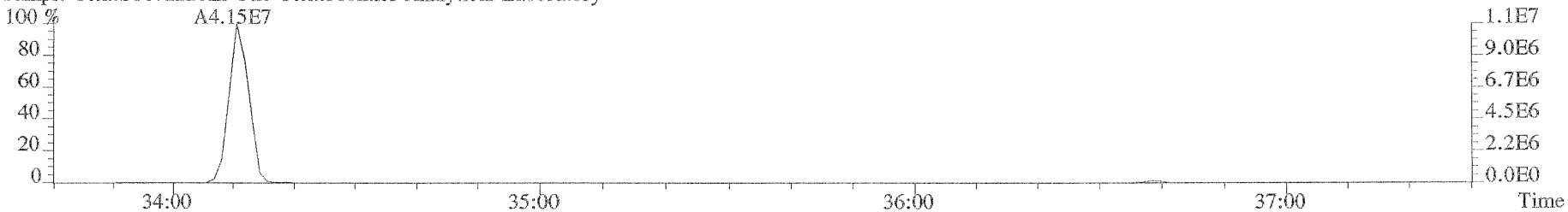
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



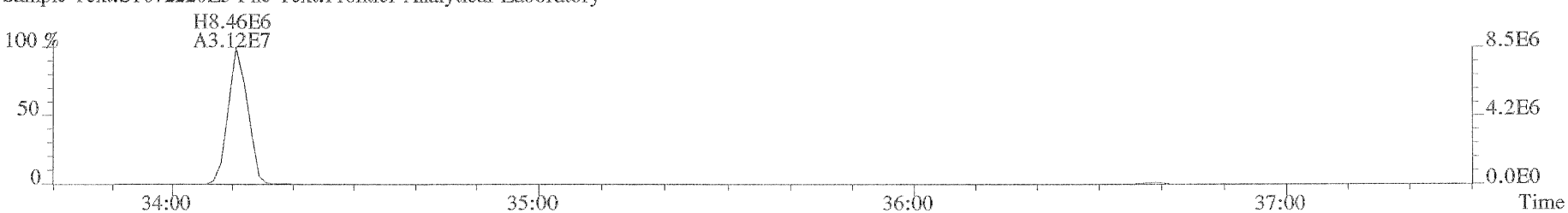
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



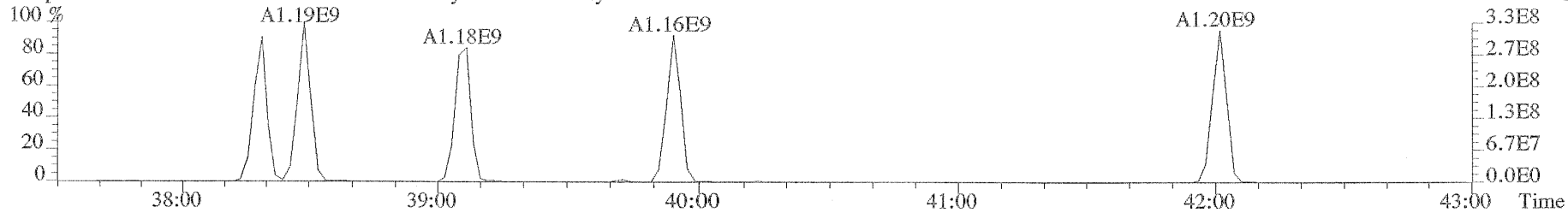
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



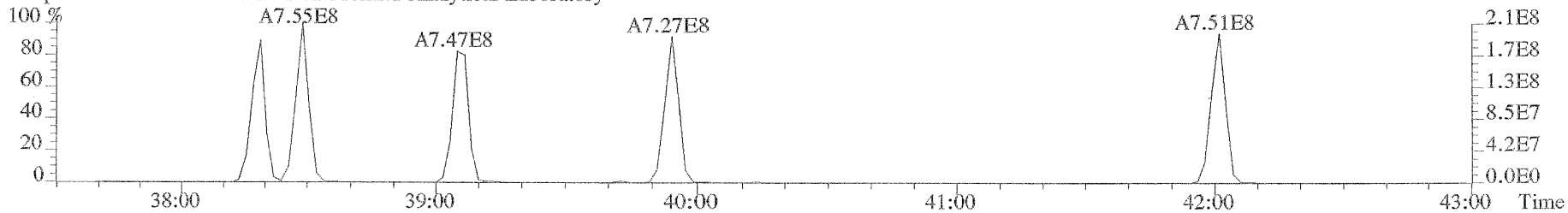
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



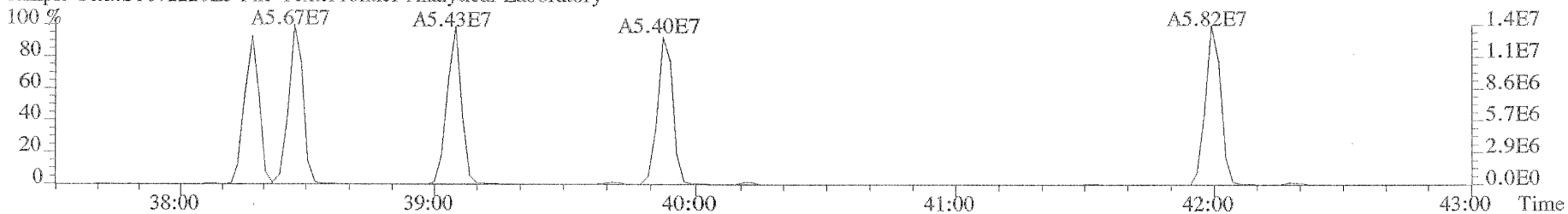
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



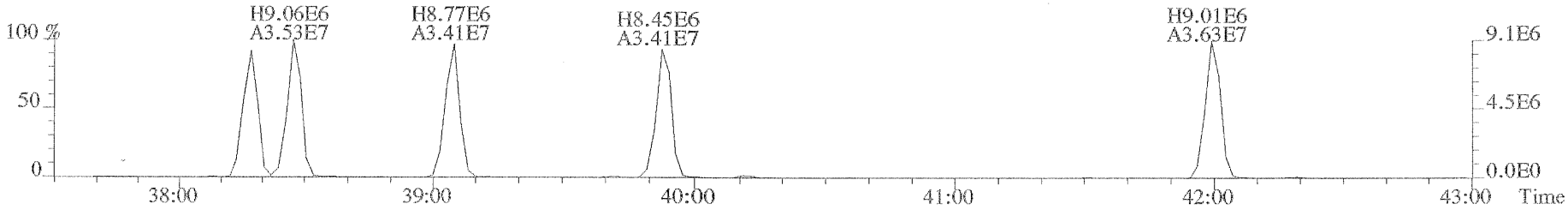
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



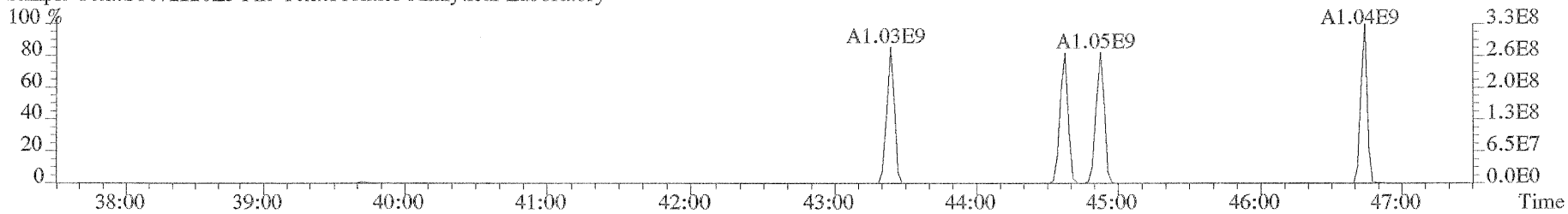
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



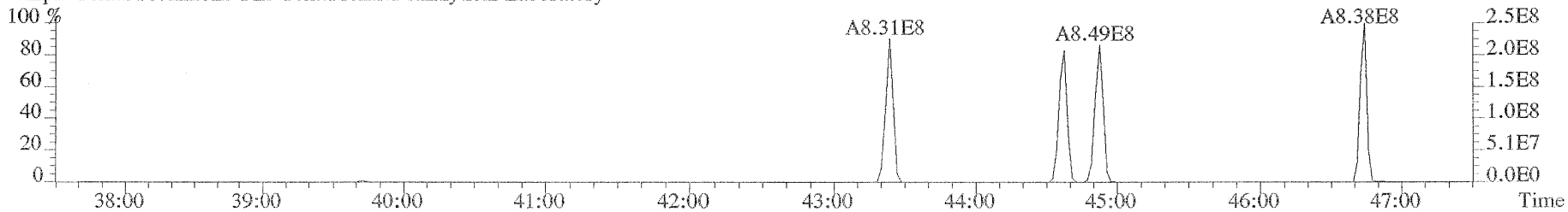
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



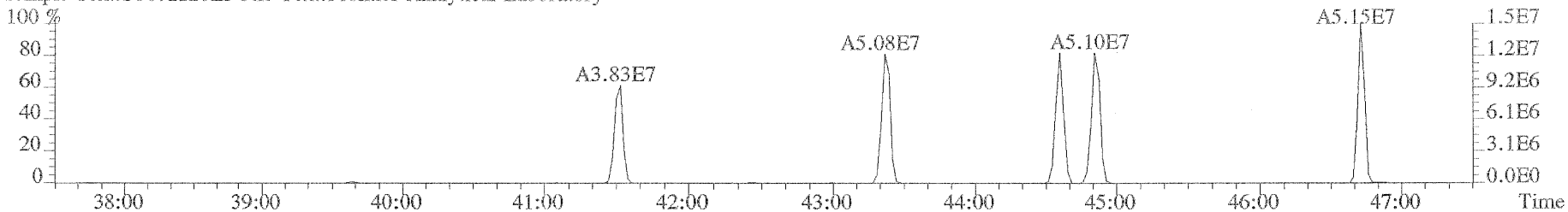
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



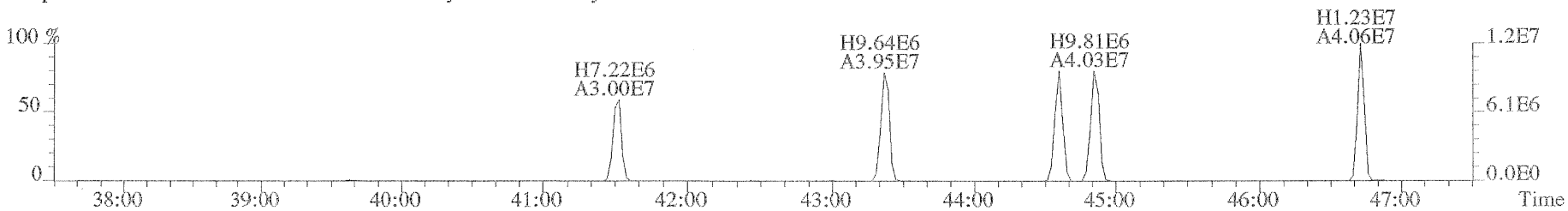
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



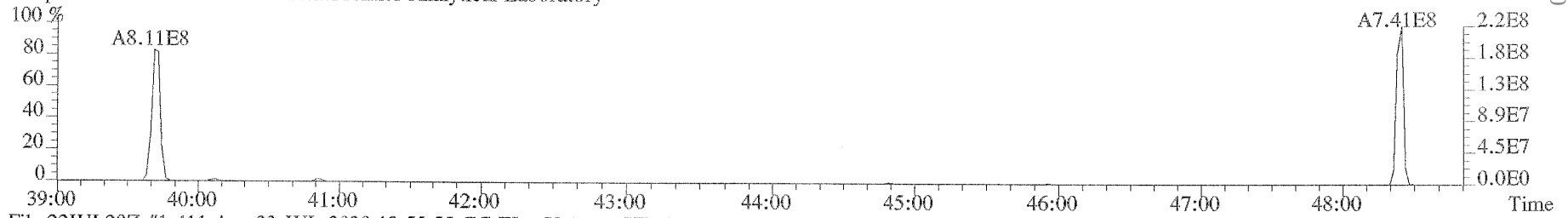
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



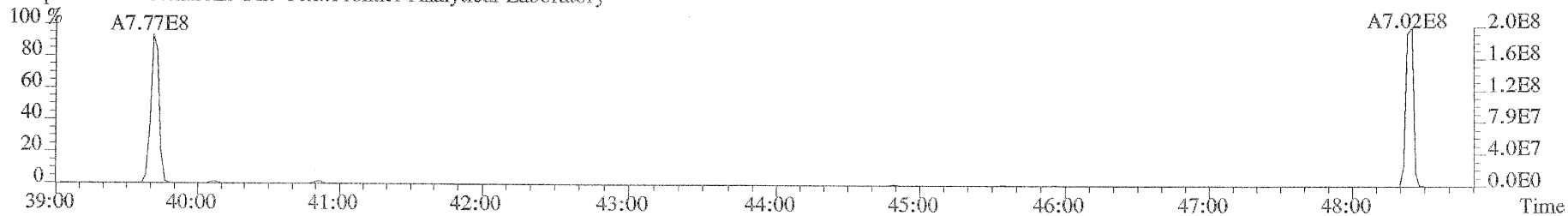
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



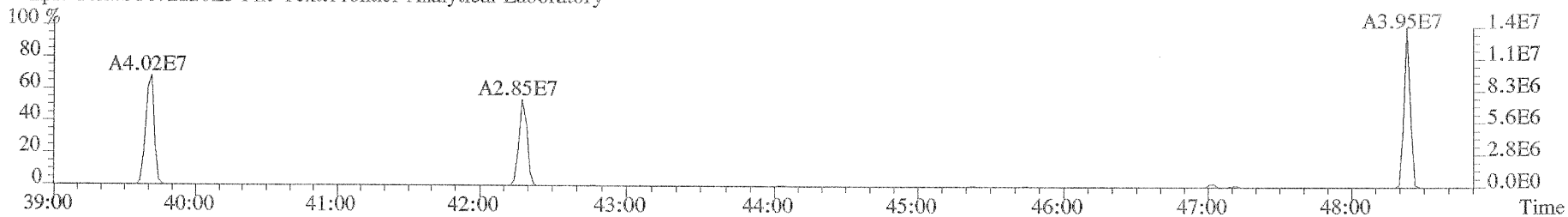
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



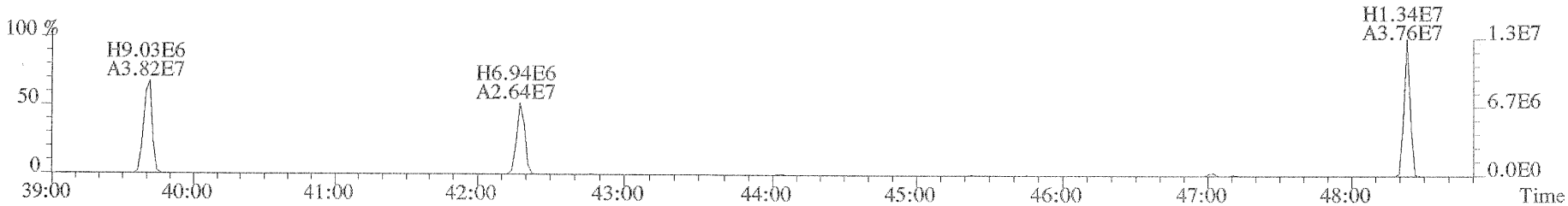
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



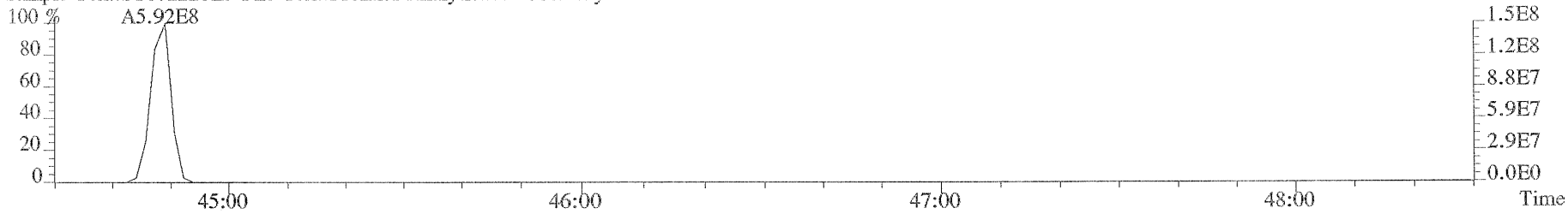
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



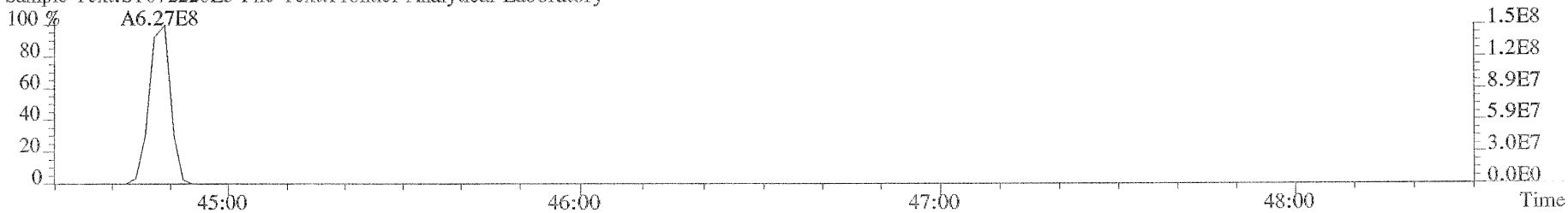
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



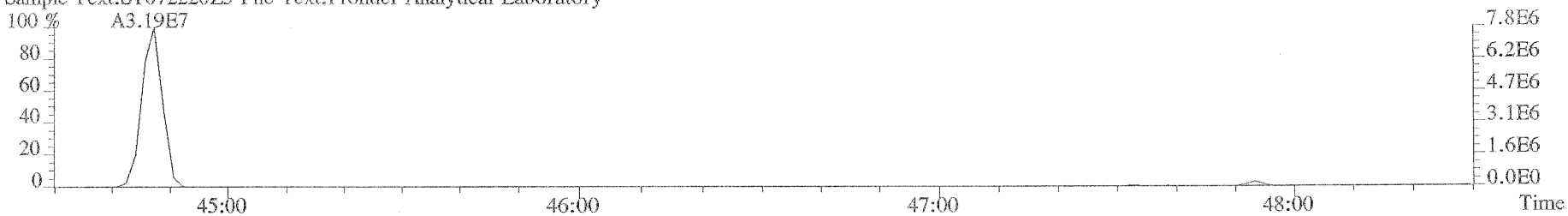
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



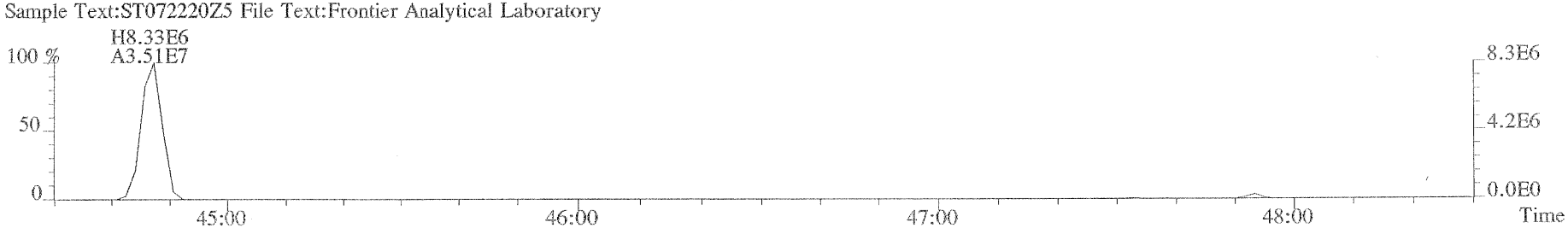
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



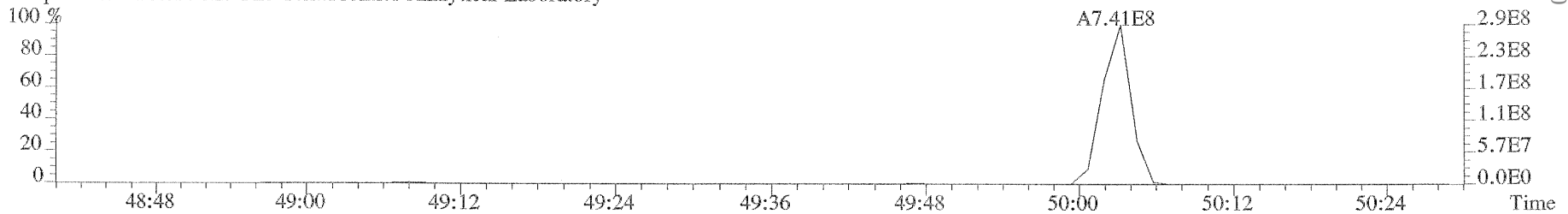
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



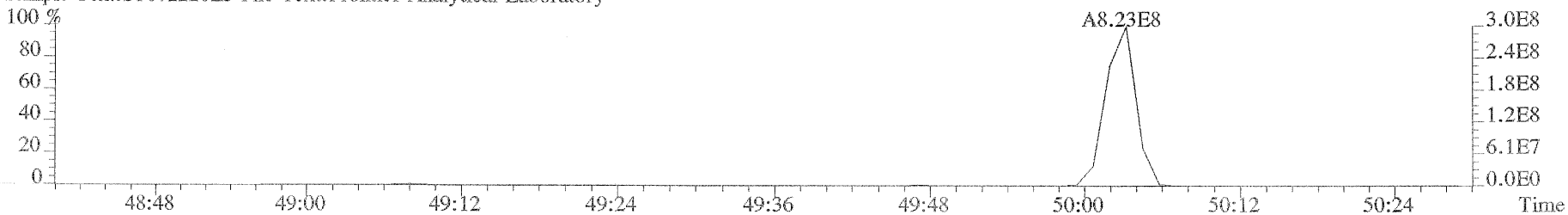
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



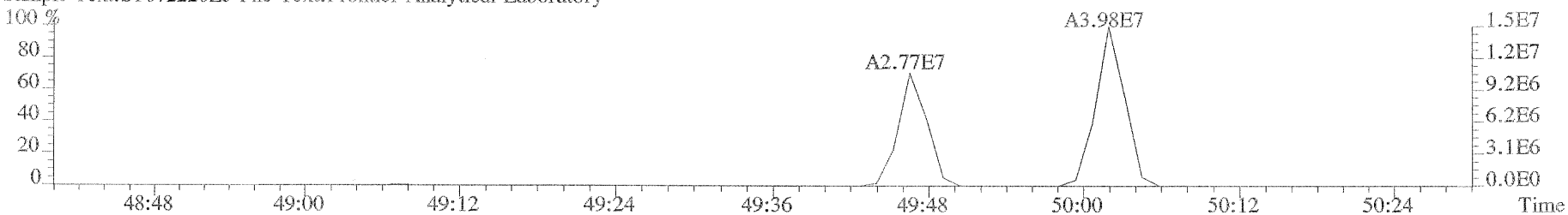
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



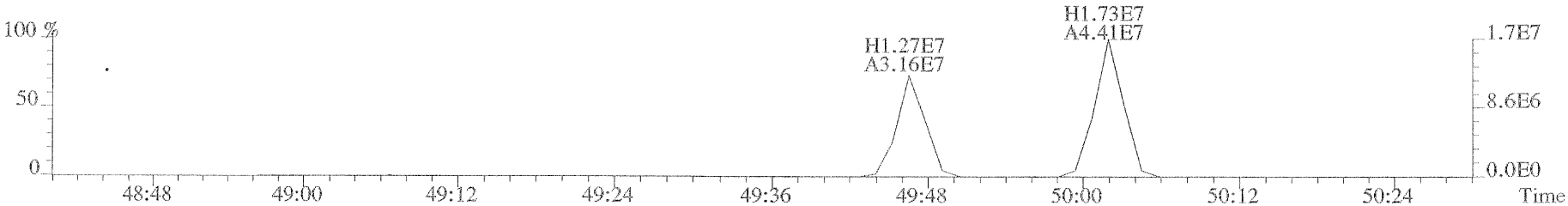
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



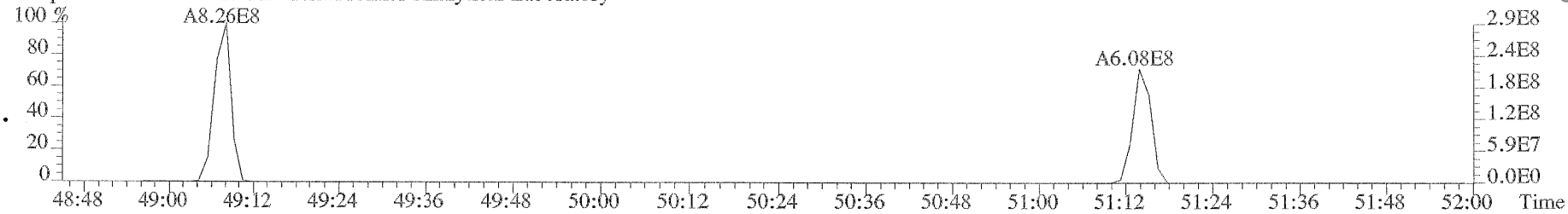
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



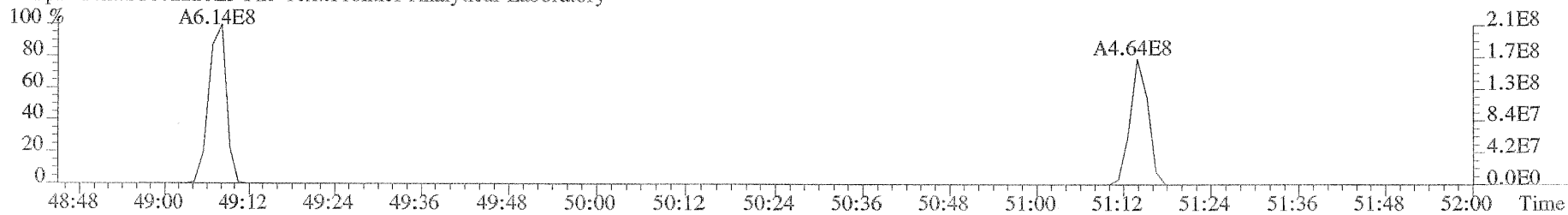
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



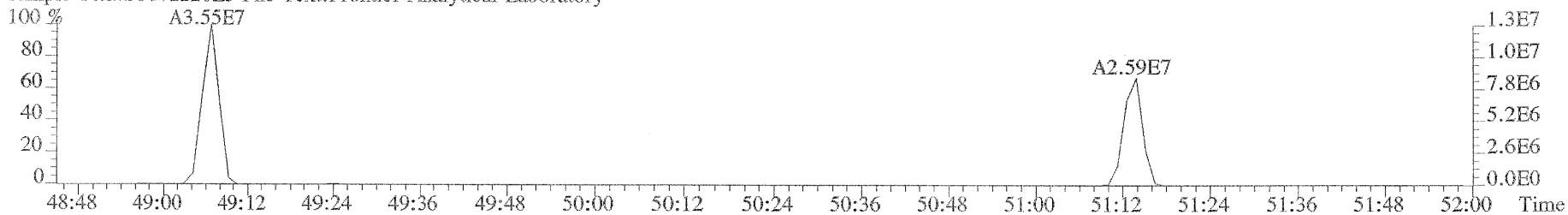
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



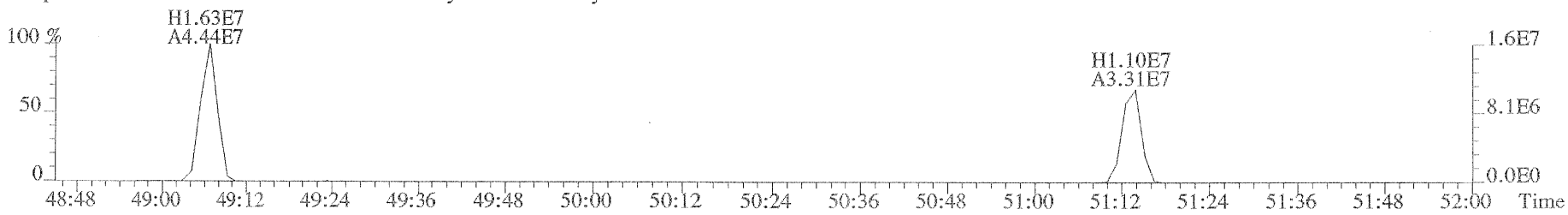
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



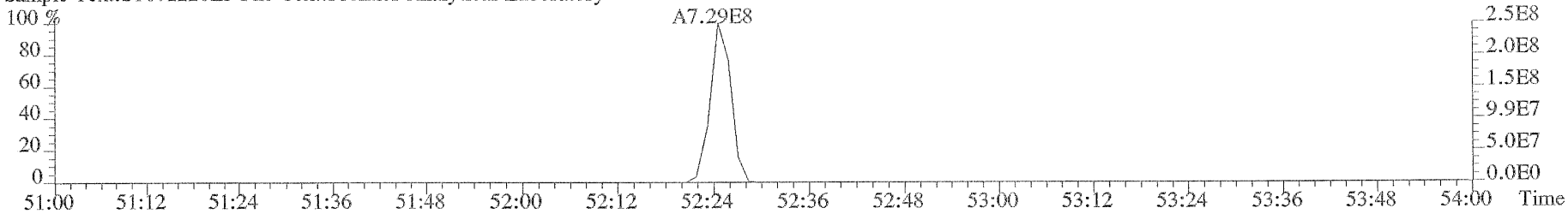
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



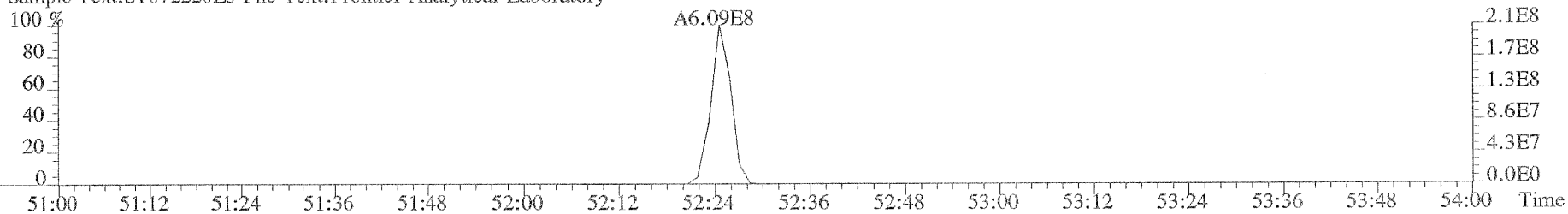
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



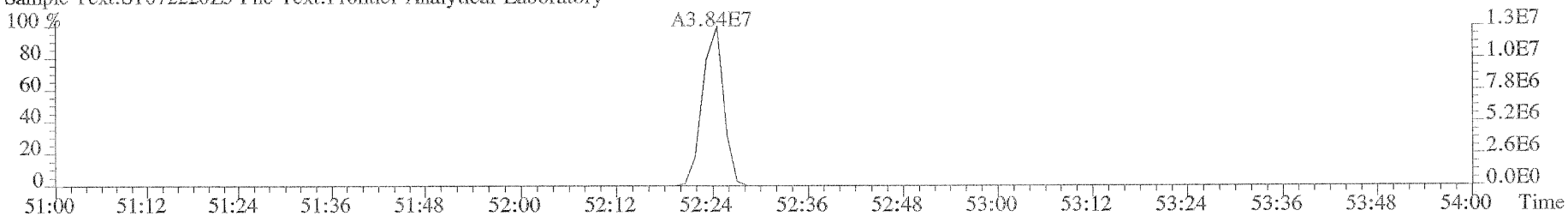
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



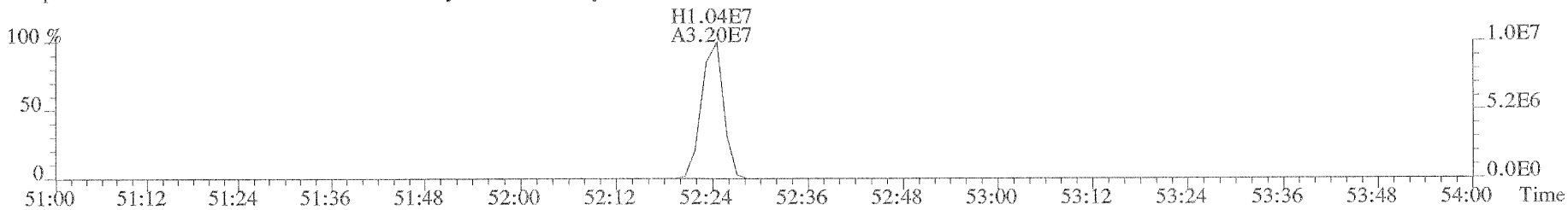
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



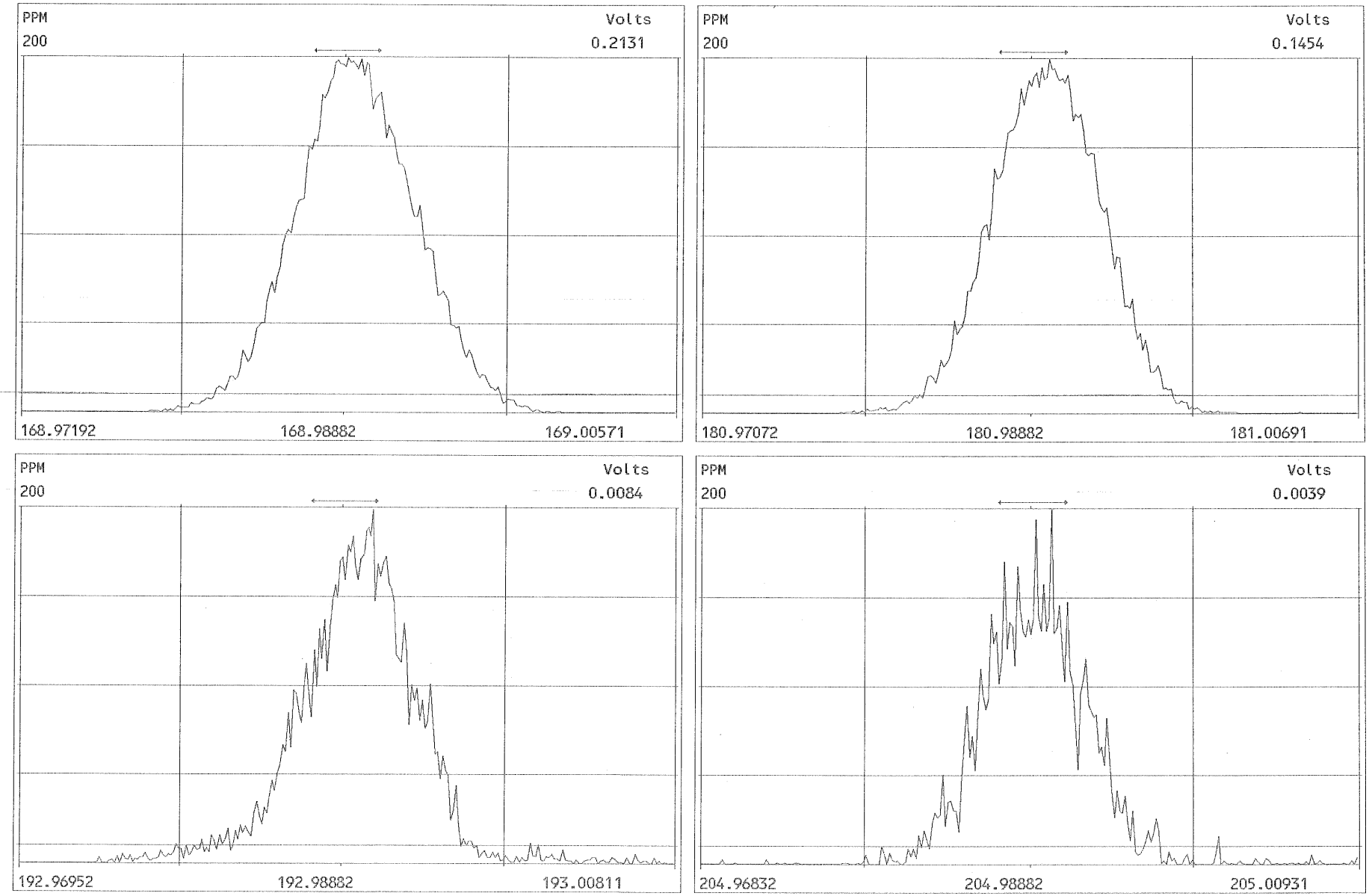
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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

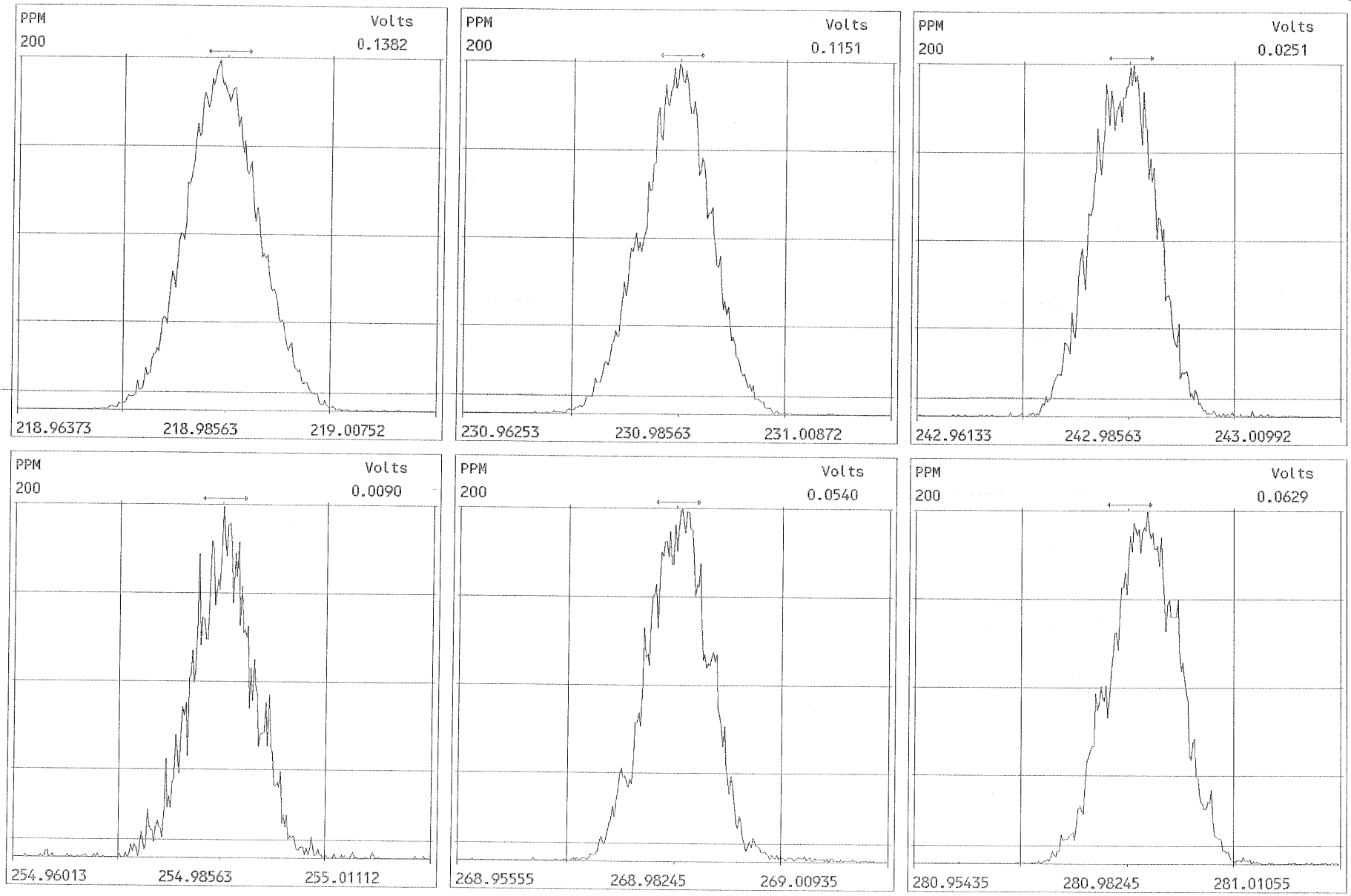


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

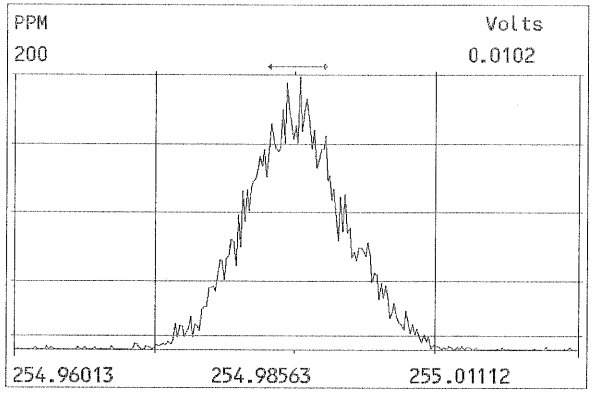


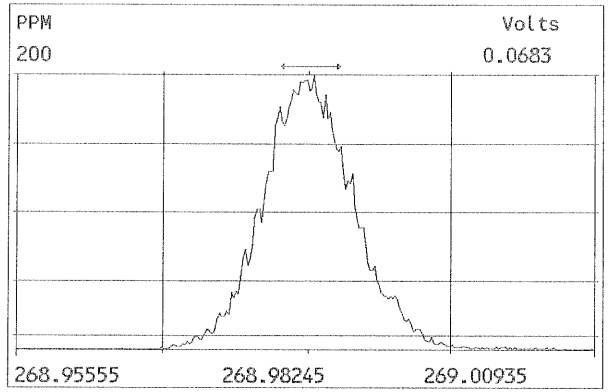
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

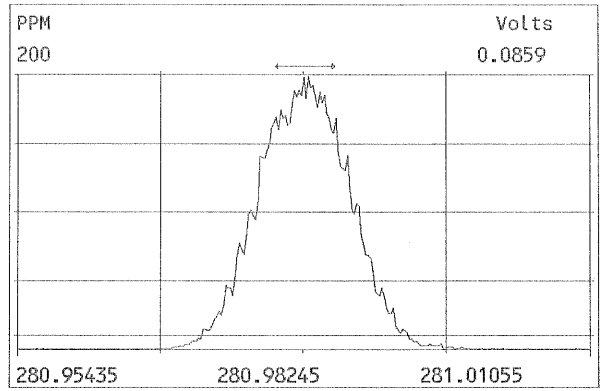
Experiment:1668PCB Function:2 Reference:PFK 98

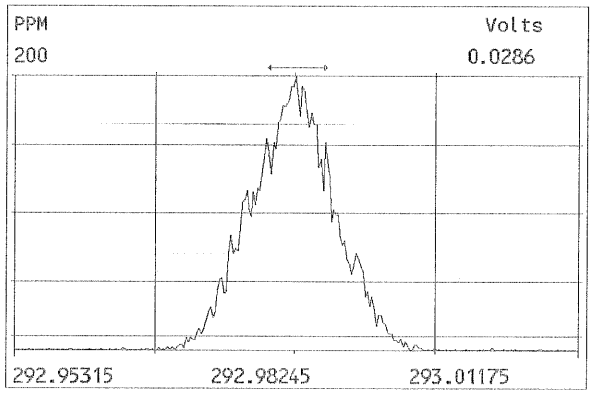


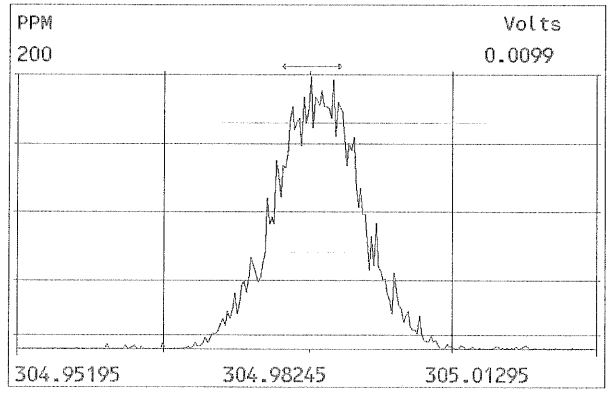
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

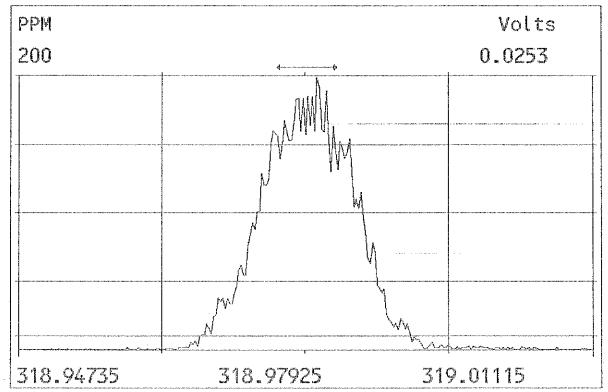


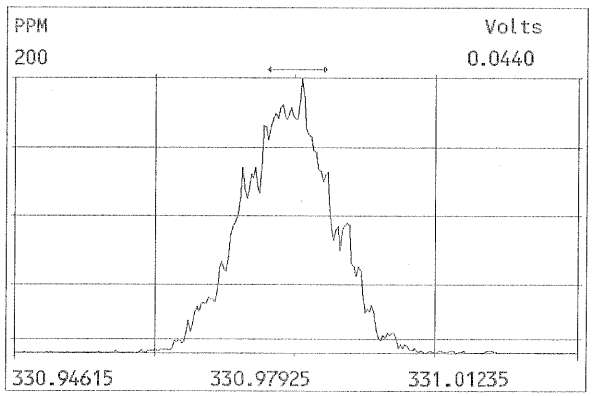


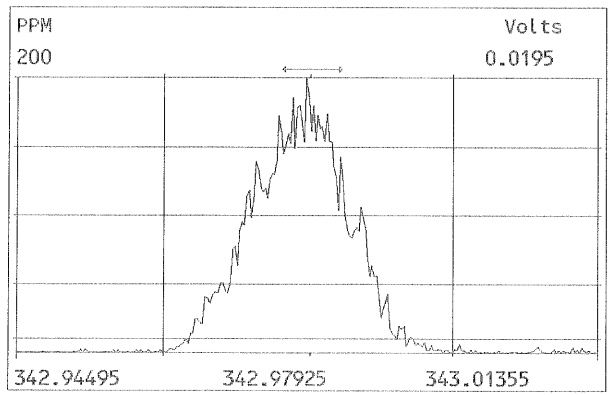






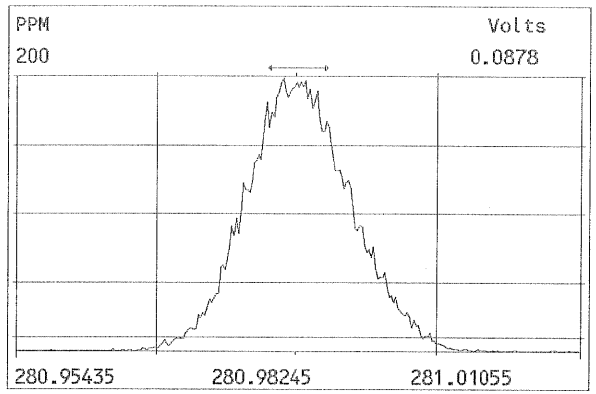


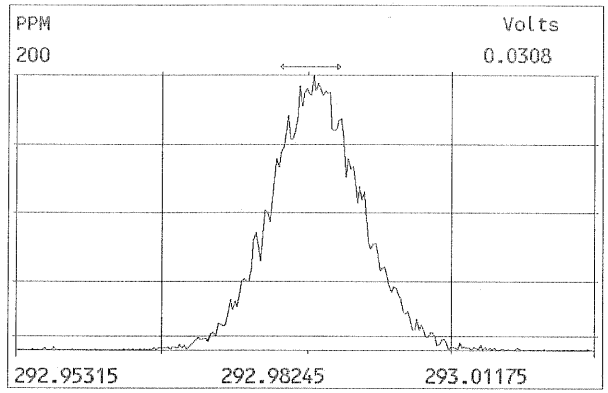


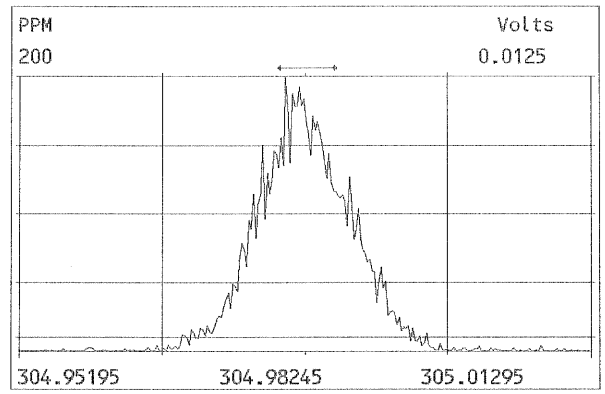


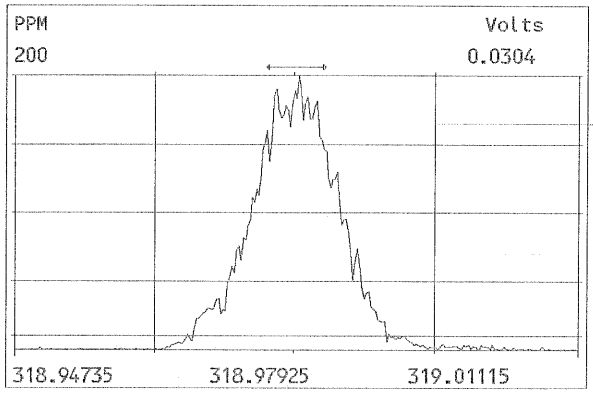
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

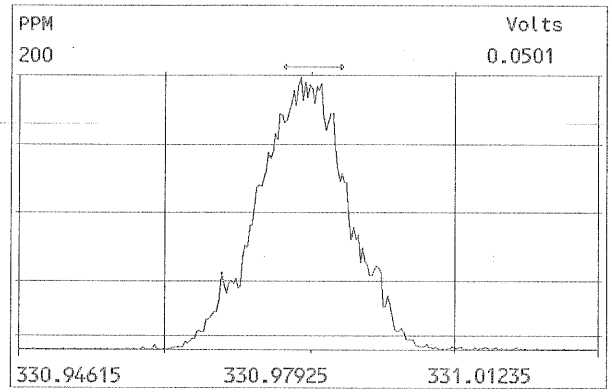
Experiment:1668PCB Function:4 Reference:PFK98

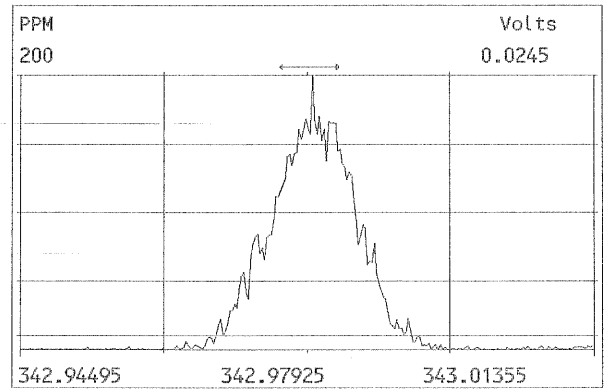


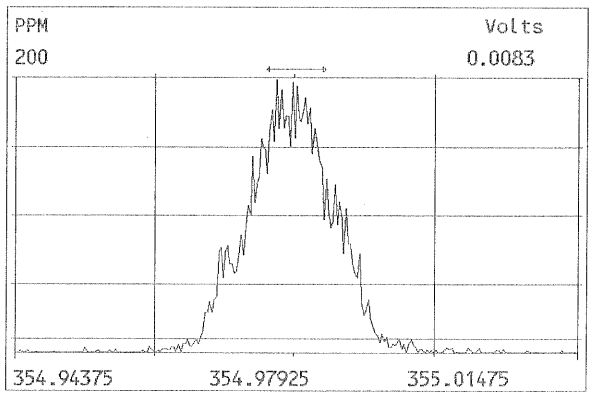


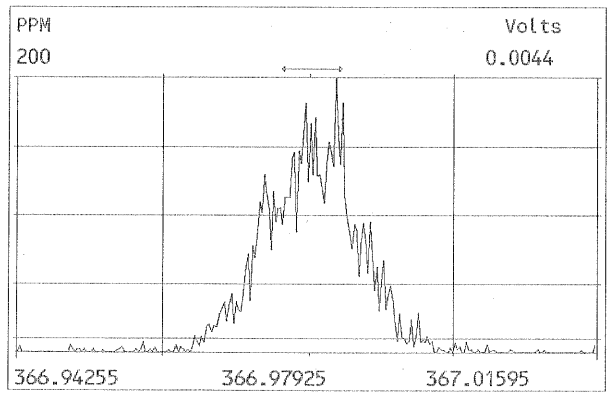


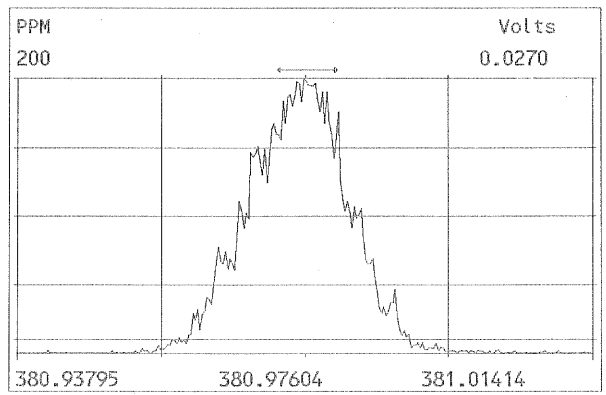




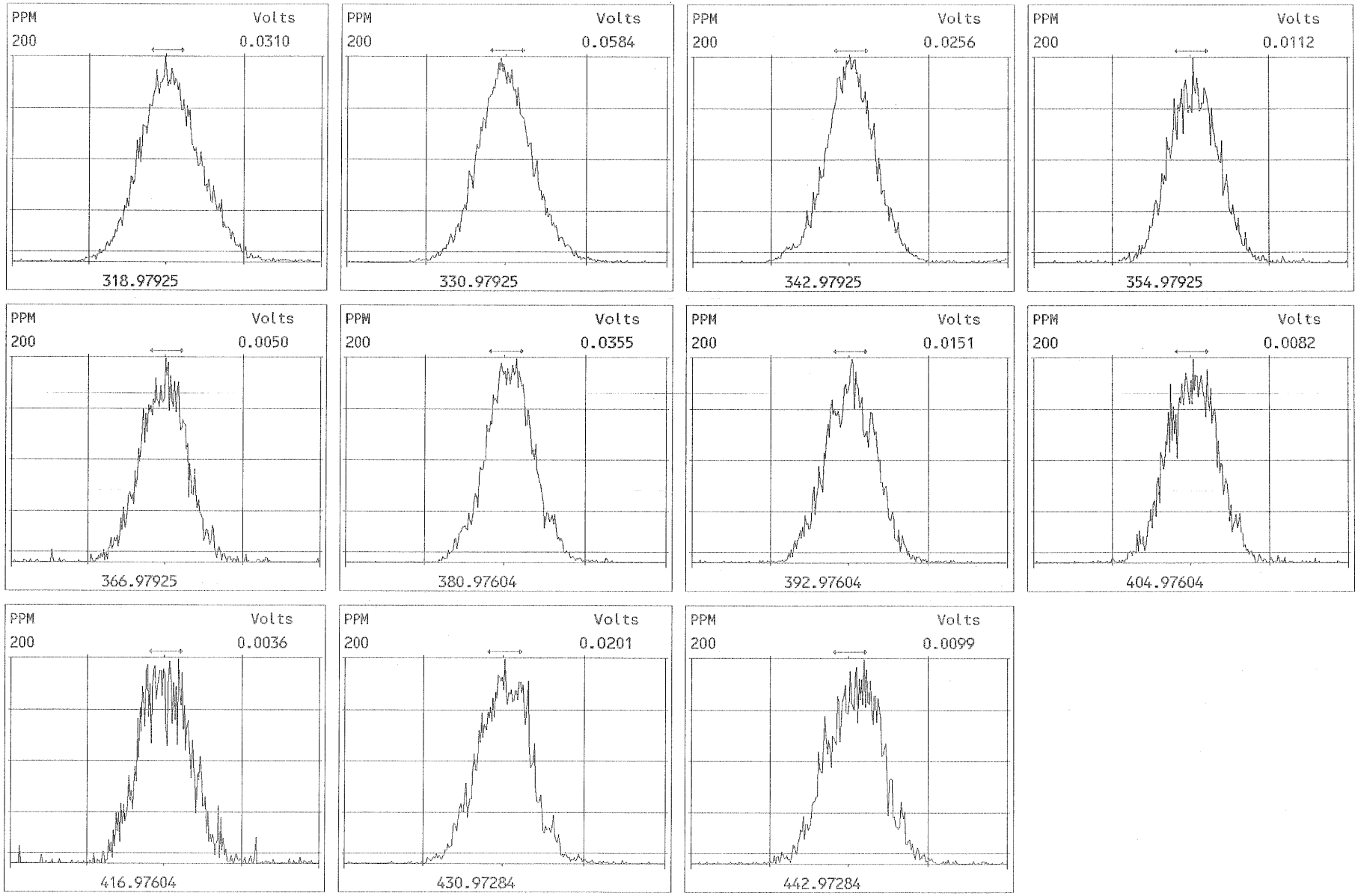




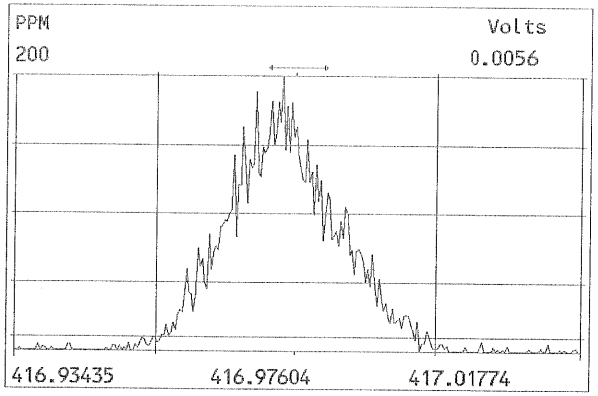


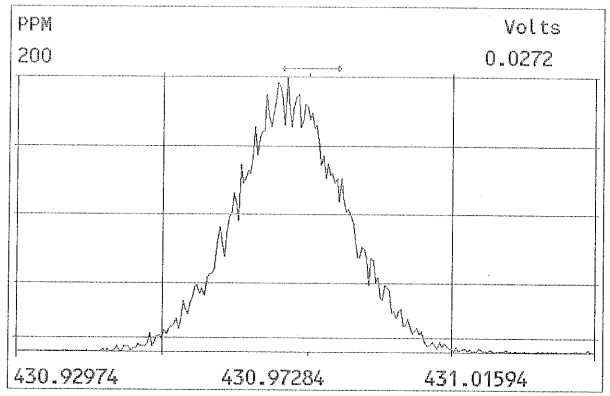


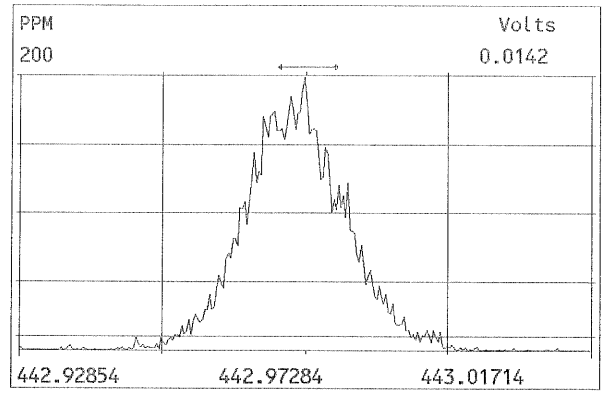
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

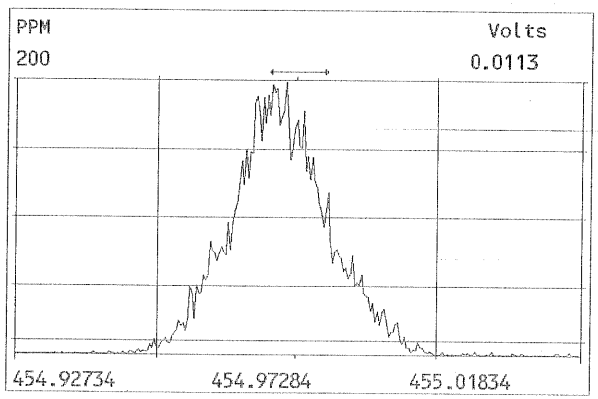


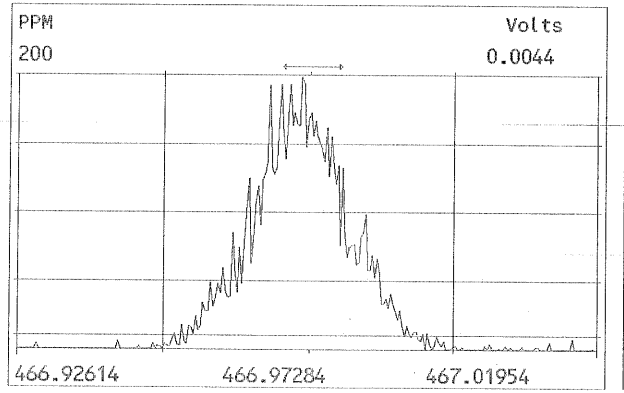
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

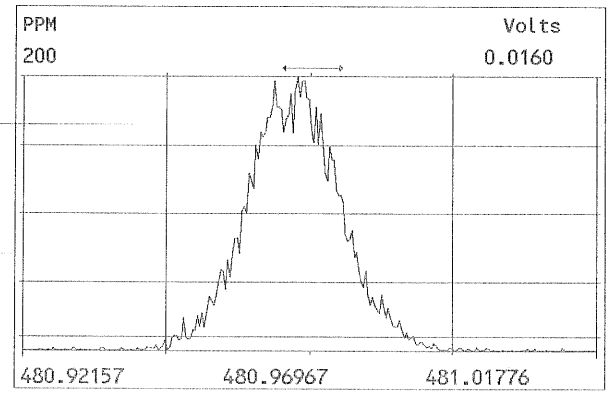


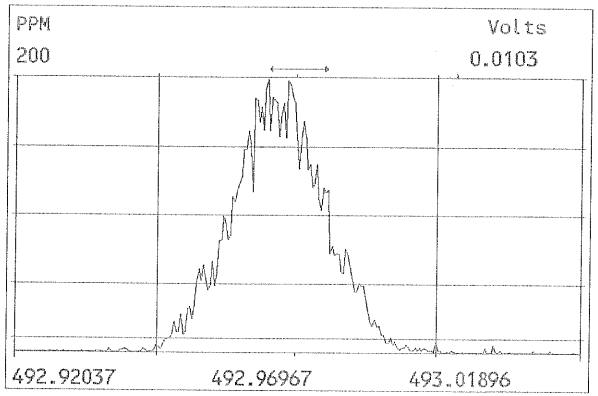


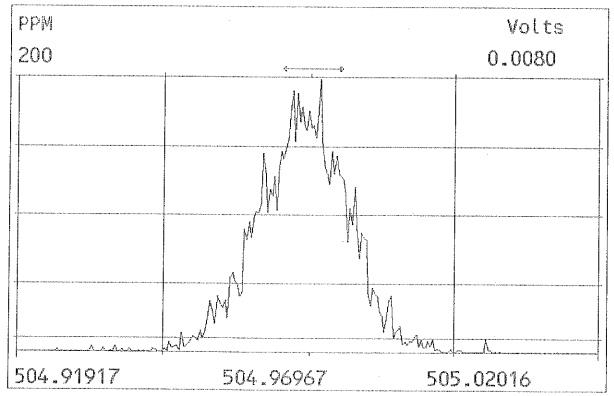


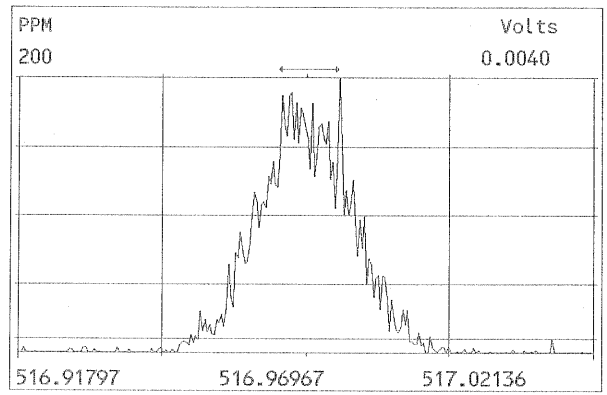












Cal: DAILY209FAL4-10-23-20

Run: 23OCT20Z Analyte: Results: 13372-8 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:23OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3546	-	1.35	
13C-PCB-1	0.9401	-	0.94	
PCB-2	1.4408	-	1.44	
PCB-3	1.3879	-	1.39	
13C-PCB-3	0.8778	-	0.88	
PCB-4	1.1639	-	1.16	
PCB-10	1.6756	-	1.68	
13C-PCB-4	0.6987	-	0.70	
PCB-9	1.5494	*	1.55	
PCB-7	1.5492	-	1.55	
PCB-6	1.4817	-	1.48	
PCB-8	1.5024	-	1.50	
PCB-5	1.4801	-	1.48	
PCB-14	1.5337	-	1.53	
PCB-11	1.3912	-	1.39	
PCB-13	1.3293	-	1.33	
PCB-12	1.3877	-	1.39	
PCB-15	1.2955	-	1.30	
13C-PCB-15	1.0129	-	1.01	
PCB-19	1.2875	-	1.29	
PCB-30	2.0241	-	2.02	
PCB-18	1.2480	-	1.25	
PCB-17	1.4372	-	1.44	
PCB-27	1.7969	*	1.80	
PCB-24	1.8532	-	1.85	
PCB-16	1.6099	*	1.61	
PCB-32	1.6163	-	1.62	
13C-PCB-19	0.4712	-	0.47	
13C-PCB-9	-	-	-	
PCB-34	1.1805	-	1.18	
PCB-23	1.3130	-	1.31	
PCB-29	1.3567	-	1.36	
PCB-26	1.3443	-	1.34	
PCB-25	1.2692	-	1.27	
PCB-31	1.4121	-	1.41	
PCB-28	1.4332	-	1.43	
PCB-20	1.2701	-	1.27	Co-elute PCB 21/33
PCB-21	1.2701	-	1.27	Co-elute PCB 20/33
PCB-33	1.2701	-	1.27	Co-elute PCB 20/21
PCB-22	1.3264	-	1.33	
PCB-36	1.3673	-	1.37	
PCB-39	1.2042	-	1.20	
PCB-38	1.3520	-	1.35	
PCB-35	1.2673	-	1.27	
PCB-37	1.2111	-	1.21	
13C-PCB-37	1.7735	-	1.77	

PCB-54	1.3605	-	1.36	
PCB-50	1.1579	-	1.16	
PCB-53	1.0238	-	1.02	
PCB-51	1.0382	-	1.04	
PCB-45	0.9803	-	0.98	
PCB-46	0.9153	-	0.92	
PCB-52	1.1056	-	1.11	Co-elute PCB 69
PCB-69	1.1056	-	1.11	Co-elute PCB 52
PCB-73	1.3017	-	1.30	
PCB-43	0.9981	-	1.00	Co-elute PCB 49
PCB-49	0.9981	-	1.00	Co-elute PCB 43
PCB-47	0.9942	-	0.99	
PCB-48	1.2638	-	1.26	Co-elute PCB 75
PCB-75	1.2638	-	1.26	Co-elute PCB 48
PCB-65	1.3450	-	1.35	
PCB-62	1.1860	-	1.19	
PCB-44	0.8478	-	0.85	
PCB-42	1.1162	-	1.12	Co-elute PCB 59
PCB-59	1.1162	-	1.12	Co-elute PCB 42
PCB-72	1.2243	-	1.22	Co-elute PCB 41/71/64
PCB-41	1.2243	-	1.22	Co-elute PCB 72/71/64
PCB-71	1.2243	-	1.22	Co-elute PCB 72/41/64
PCB-64	1.2243	-	1.22	Co-elute PCB 72/41/71
PCB-68	1.3175	-	1.32	
PCB-40	0.8161	-	0.82	
PCB-57	1.3301	-	1.33	
PCB-67	1.2619	-	1.26	
PCB-58	1.2670	-	1.27	
PCB-63	1.3537	-	1.35	
PCB-74	1.2354	-	1.24	
PCB-61	1.1729	*	1.17	Co-elute PCB 70
PCB-70	1.1729	*	1.17	Co-elute PCB 61
PCB-76	1.3891	*	1.39	Co-elute PCB 66
PCB-66	1.3891	*	1.39	Co-elute PCB 76
PCB-80	1.5644	-	1.56	
PCB-55	1.3201	-	1.32	
13C-PCB-54	1.3172	-	1.32	
PCB-104	1.2304	-	1.23	
PCB-96	1.2033	-	1.20	
PCB-103	1.0089	-	1.01	
PCB-100	0.9358	-	0.94	
PCB-94	0.7752	-	0.78	
PCB-98	0.7741	-	0.77	Co-elute PCB 102
PCB-102	0.7741	-	0.77	Co-elute PCB 98
PCB-95	0.9637	*	0.96	
PCB-93	0.9251	-	0.93	
PCB-88	0.5215	*	0.52	Co-elute PCB 91
PCB-91	0.5215	*	0.52	Co-elute PCB 88
PCB-121	1.0848	-	1.08	
13C-PCB-104	0.9617	-	0.96	
13C-PCB-28	2.1285	-	2.13	
13C-PCB-52	-	-	-	

PCB-56	1.2087	-	1.21	Co-elute PCB 60
PCB-60	1.2087	-	1.21	Co-elute PCB 56
PCB-79	1.3786	-	1.38	
PCB-78	1.3766	-	1.38	
PCB-81	1.4068	-	1.41	
13C-PCB-81	1.7845	-	1.78	
PCB-77	1.1680	-	1.17	
13C-PCB-77	1.8388	-	1.84	
PCB-155	1.1415	-	1.14	
PCB-150	1.0637	-	1.06	
PCB-152	1.1513	-	1.15	
PCB-145	1.0647	-	1.06	
PCB-136	1.0543	-	1.05	
PCB-148	0.9191	-	0.92	
PCB-154	0.9331	-	0.93	
13C-PCB-155	1.2638	-	1.26	
13C-PCB-111	1.3192	-	1.32	
13C-PCB-101	-	-	-	
PCB-84	0.7403	-	0.74	Co-elute PCB 92
PCB-92	0.7403	-	0.74	Co-elute PCB 84
PCB-89	0.7658	-	0.77	
PCB-90	0.8003	-	0.80	Co-elute PCB 101
PCB-101	0.8003	-	0.80	Co-elute PCB 90
PCB-113	0.8870	-	0.89	
PCB-99	0.9209	-	0.92	
PCB-119	1.0553	-	1.06	
PCB-83	0.8299	-	0.83	Co-elute PCB 112
PCB-112	0.8299	-	0.83	Co-elute PCB 83
PCB-109	0.9672	-	0.97	
PCB-97	0.6780	-	0.68	
PCB-86	0.6766	-	0.68	
PCB-125	0.9217	-	0.92	Co-elute PCB 87/117
PCB-87	0.9217	-	0.92	Co-elute PCB 125/117
PCB-117	0.9217	-	0.92	Co-elute PCB 125/87
PCB-111	0.9911	-	0.99	Co-elute PCB 115
PCB-115	0.9911	-	0.99	Co-elute PCB 111
PCB-85	0.9169	-	0.92	Co-elute PCB 116
PCB-116	0.9169	-	0.92	Co-elute PCB 85
PCB-120	1.1158	-	1.12	
PCB-110	0.9948	-	0.99	
PCB-82	0.6479	-	0.65	
PCB-124	1.2528	-	1.25	
PCB-108	1.2278	-	1.23	Co-elute PCB 107
PCB-107	1.2278	-	1.23	Co-elute PCB 108
PCB-123	1.1900	-	1.19	
13C-PCB-123	1.4234	-	1.42	
PCB-118	1.2210	-	1.22	Co-elute PCB 106
PCB-106	1.2210	-	1.22	Co-elute PCB 118
13C-PCB-118	1.5868	-	1.59	
PCB-114	1.1824	-	1.18	
13C-PCB-114	1.4952	-	1.50	
PCB-122	1.2989	-	1.30	
PCB-105	1.3565	-	1.36	
13C-PCB-105	1.5190	-	1.52	
PCB-127	1.2719	-	1.27	
PCB-126	1.2298	-	1.23	
13C-PCB-126	1.3592	-	1.36	

PCB-151	1.1396	-	1.14	
PCB-135	1.0503	-	1.05	
PCB-144	1.1656	-	1.17	
PCB-147	1.2406	-	1.24	
PCB-139	1.1381	-	1.14	Co-elute PCB 149
PCB-149	1.1381	-	1.14	Co-elute PCB 139
PCB-140	1.2675	-	1.27	
PCB-143	0.9981	-	1.00	Co-elute PCB 134
PCB-134	0.9981	-	1.00	Co-elute PCB 143
PCB-131	0.9974	-	1.00	Co-elute PCB 133
PCB-133	0.9974	-	1.00	Co-elute PCB 131
PCB-142	1.0523	-	1.05	
PCB-165	1.2965	-	1.30	Co-elute PCB 146
PCB-146	1.2965	-	1.30	Co-elute PCB 165
PCB-161	1.2416	-	1.24	Co-elute PCB 132
PCB-132	1.2416	-	1.24	Co-elute PCB 161
PCB-153	1.4015	-	1.40	
PCB-168	1.3843	-	1.38	
PCB-141	1.1306	-	1.13	
PCB-137	1.0129	-	1.01	
PCB-130	1.0521	-	1.05	
PCB-138	1.2534	-	1.25	Co-elute PCB 163/164
PCB-163	1.2534	-	1.25	Co-elute PCB 138/164
PCB-164	1.2534	-	1.25	Co-elute PCB 138/163
PCB-158	1.4206	-	1.42	Co-elute PCB 160
PCB-160	1.4206	-	1.42	Co-elute PCB 158
PCB-129	0.9939	-	0.99	
PCB-166	1.4200	-	1.42	
PCB-159	1.5268	-	1.53	
PCB-128	1.1374	-	1.14	Co-elute PCB 162
PCB-162	1.1374	-	1.14	Co-elute PCB 128
PCB-167	1.3285	-	1.33	
13C-PCB-167	1.1554	-	1.16	
PCB-156	1.3953	-	1.40	
13C-PCB-156	1.1295	-	1.13	
PCB-157	1.2596	-	1.26	
13C-PCB-157	1.1443	-	1.14	
PCB-169	1.2228	-	1.22	
13C-PCB-169	1.0370	-	1.04	
PCB-188	1.1923	-	1.19	
13C-PCB-188	1.0633	-	1.06	

PCB-184	1.3803	-	1.38	
PCB-179	1.3767	-	1.38	
PCB-176	1.3302	-	1.33	
PCB-186	1.2500	-	1.25	
PCB-178	0.9456	-	0.95	
PCB-175	0.9788	-	0.98	
PCB-187	1.0449	-	1.04	Co-elute PCB 182
PCB-182	1.0449	-	1.04	Co-elute PCB 187
PCB-183	1.0733	-	1.07	
PCB-185	0.8844	-	0.88	
PCB-174	0.9403	-	0.94	
PCB-181	0.9259	-	0.93	
PCB-177	0.9046	-	0.90	
PCB-171	0.9608	-	0.96	
PCB-173	0.8418	-	0.84	
PCB-172	0.8986	-	0.90	
PCB-192	1.0740	-	1.07	
PCB-180	0.8570	-	0.86	
PCB-193	1.1940	-	1.19	
PCB-191	1.1914	-	1.19	
PCB-170	0.8628	-	0.86	
PCB-190	1.1699	-	1.17	
PCB-189	1.1641	-	1.16	
13C-PCB-189	0.8620	-	0.86	
PCB-202	1.1145	-	1.11	
PCB-201	1.2674	-	1.27	
PCB-204	1.2758	-	1.28	
PCB-197	1.1953	-	1.20	
PCB-200	1.2543	-	1.25	
PCB-198	0.8962	-	0.90	
PCB-199	0.8502	-	0.85	
PCB-203	0.9485	-	0.95	Co-elute PCB 196
PCB-196	0.9485	-	0.95	Co-elute PCB 203
13C-PCB-202	0.7651	-	0.77	
13C-PCB-178	0.7559	-	0.76	
13C-PCB-138	-	-	-	
PCB-195	0.9356	-	0.94	
PCB-194	1.0269	-	1.03	
PCB-205	1.1725	-	1.17	
13C-PCB-205	1.3036	-	1.30	
PCB-208	1.1600	-	1.16	
13C-PCB-208	1.1252	-	1.13	
PCB-207	1.3946	-	1.39	
PCB-206	1.1695	-	1.17	
13C-PCB-206	0.8484	-	0.85	
PCB-209	1.2355	-	1.24	
13C-PCB-209	0.8771	-	0.88	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 10/27/20

Run #1 Filename 23OCT20Z S: 1 Acquired: 23-OCT-20 10:50:59 Cal: DAILY209FAL4-10-23-20
Client ID: ST102320Z1 Analyte: FAL ID: CS209 201021A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.96e+07	3.19 y	14:31	-	1.35	
2	IS/RT	13C-PCB-1	100.00	4.37e+07	3.18 y	14:30	-	0.940	
3	Unk	PCB-2	50.00	3.04e+07	3.21 y	16:43	-	1.44	
4	Unk	PCB-3	50.00	2.83e+07	3.15 y	16:56	-	1.39	
5	IS/RT	13C-PCB-3	100.00	4.08e+07	3.22 y	16:55	-	0.878	
6	Unk	PCB-4	50.00	1.89e+07	1.46 y	18:11	-	1.16	
7	Unk	PCB-10	50.00	3.33e+07	1.55 y	18:14	-	1.68	
8	IS/RT	13C-PCB-4	100.00	3.25e+07	1.57 y	18:09	-	0.699	
9	Unk	PCB-9	50.00	3.08e+07	1.49 y	19:52	-	1.55	
10	Unk	PCB-7	50.00	3.08e+07	1.49 y	19:53	-	1.55	
11	Unk	PCB-6	50.00	2.94e+07	1.47 y	20:29	-	1.48	
12	Unk	PCB-8	50.00	2.99e+07	1.51 y	20:51	-	1.50	
13	Unk	PCB-5	50.00	2.94e+07	1.54 y	20:53	-	1.48	
14	Unk	PCB-14	50.00	3.05e+07	1.50 y	21:54	-	1.53	
15	Unk	PCB-11	50.00	2.76e+07	1.55 y	23:02	-	1.39	
16	Unk	PCB-13	50.00	2.64e+07	1.50 y	23:23	-	1.33	
17	Unk	PCB-12	50.00	2.76e+07	1.51 y	23:25	-	1.39	
18	Unk	PCB-15	50.00	3.05e+07	1.54 y	23:42	-	1.30	
19	IS/RT	13C-PCB-15	100.00	4.70e+07	1.62 y	23:40	-	1.01	
20	Unk	PCB-19	50.00	1.41e+07	1.07 y	22:03	-	1.29	
21	Unk	PCB-30	50.00	2.21e+07	1.09 y	22:54	-	2.02	
22	Unk	PCB-18	50.00	1.37e+07	1.08 y	23:36	-	1.25	
23	Unk	PCB-17	50.00	1.57e+07	1.09 y	23:46	-	1.44	
24	Unk	PCB-27	50.00	1.97e+07	1.03 y	24:19	-	1.80	
25	Unk	PCB-24	50.00	2.03e+07	1.10 y	24:20	-	1.85	
26	Unk	PCB-16	50.00	1.76e+07	1.08 y	24:47	-	1.61	
27	Unk	PCB-32	50.00	1.77e+07	1.10 y	24:48	-	1.62	
28	IS/RT	13C-PCB-19	100.00	2.19e+07	1.08 y	22:02	-	0.471	
29	RS	13C-PCB-9	100.00	4.64e+07	1.62 y	19:49	4.64e+05	-	
30	Unk	PCB-34	50.00	2.26e+07	1.00 y	25:33	-	1.18	
31	Unk	PCB-23	50.00	2.52e+07	0.99 y	25:39	-	1.31	
32	Unk	PCB-29	50.00	2.60e+07	1.02 y	25:53	-	1.36	
33	Unk	PCB-26	50.00	2.58e+07	1.02 y	26:04	-	1.34	
34	Unk	PCB-25	50.00	2.43e+07	1.04 y	26:13	-	1.27	
35	Unk	PCB-31	50.00	2.71e+07	1.03 y	26:34	-	1.41	
36	Unk	PCB-28	50.00	2.75e+07	1.03 y	26:40	-	1.43	
37	Unk	PCB-20	150.00	7.30e+07	1.01 y	27:15	-	1.27	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	7.30e+07	1.01 y	27:15	-	1.27	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	7.30e+07	1.01 y	27:15	-	1.27	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	2.54e+07	1.05 y	27:41	-	1.33	
41	Unk	PCB-36	50.00	2.62e+07	1.02 y	28:15	-	1.37	
42	Unk	PCB-39	50.00	2.31e+07	1.02 y	28:42	-	1.20	
43	Unk	PCB-38	50.00	2.59e+07	1.02 y	29:27	-	1.35	
44	Unk	PCB-35	50.00	2.43e+07	1.03 y	29:56	-	1.27	
45	Unk	PCB-37	50.00	2.32e+07	1.00 y	30:21	-	1.21	
46	IS	13C-PCB-37	100.00	3.83e+07	1.07 y	30:20	-	1.77	

47	Unk	PCB-54	100.00	3.87e+07	0.81 y	25:35	-	1.36	
48	Unk	PCB-50	100.00	3.30e+07	0.79 y	26:42	-	1.16	
49	Unk	PCB-53	100.00	2.91e+07	0.79 y	27:19	-	1.02	
50	Unk	PCB-51	100.00	2.95e+07	0.81 y	27:38	-	1.04	
51	Unk	PCB-45	100.00	2.79e+07	0.81 y	28:03	-	0.980	
52	Unk	PCB-46	100.00	2.60e+07	0.80 y	28:30	-	0.915	
53	Unk	PCB-52	200.00	6.29e+07	0.87 y	28:58	-	1.11	Co-elute PCB 69
54	Unk	PCB-69	200.00	6.29e+07	0.87 y	28:58	-	1.11	Co-elute PCB 52
55	Unk	PCB-73	100.00	3.70e+07	0.70 y	29:04	-	1.30	
56	Unk	PCB-43	200.00	5.68e+07	0.78 y	29:13	-	0.998	Co-elute PCB 49
57	Unk	PCB-49	200.00	5.68e+07	0.78 y	29:13	-	0.998	Co-elute PCB 43
58	Unk	PCB-47	100.00	2.83e+07	0.79 y	29:25	-	0.994	
59	Unk	PCB-48	200.00	7.19e+07	0.79 y	29:32	-	1.26	Co-elute PCB 75
60	Unk	PCB-75	200.00	7.19e+07	0.79 y	29:32	-	1.26	Co-elute PCB 48
61	Unk	PCB-65	100.00	3.83e+07	0.79 y	29:47	-	1.35	
62	Unk	PCB-62	100.00	3.38e+07	0.81 y	29:53	-	1.19	
63	Unk	PCB-44	100.00	2.41e+07	0.80 y	30:11	-	0.848	
64	Unk	PCB-42	200.00	6.35e+07	0.80 y	30:24	-	1.12	Co-elute PCB 59
65	Unk	PCB-59	200.00	6.35e+07	0.80 y	30:24	-	1.12	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.39e+08	0.80 y	30:56	-	1.22	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.39e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.39e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.39e+08	0.80 y	30:56	-	1.22	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	3.75e+07	0.80 y	31:12	-	1.32	
71	Unk	PCB-40	100.00	2.32e+07	0.79 y	31:24	-	0.816	
72	Unk	PCB-57	100.00	3.79e+07	0.80 y	31:45	-	1.33	
73	Unk	PCB-67	100.00	3.59e+07	0.79 y	32:02	-	1.26	
74	Unk	PCB-58	100.00	3.61e+07	0.80 y	32:09	-	1.27	
75	Unk	PCB-63	100.00	3.85e+07	0.79 y	32:17	-	1.35	
76	Unk	PCB-74	100.00	3.52e+07	0.79 y	32:34	-	1.24	
77	Unk	PCB-61	200.00	6.68e+07	0.79 y	32:45	-	1.17	Co-elute PCB 70
78	Unk	PCB-70	200.00	6.68e+07	0.79 y	32:45	-	1.17	Co-elute PCB 61
79	Unk	PCB-76	200.00	7.91e+07	0.80 y	32:58	-	1.39	Co-elute PCB 66
80	Unk	PCB-66	200.00	7.91e+07	0.80 y	32:58	-	1.39	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.45e+07	0.80 y	33:09	-	1.56	
82	Unk	PCB-55	100.00	3.76e+07	0.80 y	33:28	-	1.32	
83	IS/RT	13C-PCB-54	100.00	2.85e+07	0.82 y	25:34	-	1.32	
84	Unk	PCB-104	100.00	2.56e+07	1.59 y	30:02	-	1.23	
85	Unk	PCB-96	100.00	2.50e+07	1.57 y	31:14	-	1.20	
86	Unk	PCB-103	100.00	2.10e+07	1.58 y	31:45	-	1.01	
87	Unk	PCB-100	100.00	1.94e+07	1.59 y	32:05	-	0.936	
88	Unk	PCB-94	100.00	1.61e+07	1.56 y	32:31	-	0.775	
89	Unk	PCB-98	200.00	3.22e+07	1.61 y	32:58	-	0.774	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.22e+07	1.61 y	32:58	-	0.774	Co-elute PCB 98
91	Unk	PCB-95	100.00	2.00e+07	1.57 y	33:00	-	0.964	
92	Unk	PCB-93	100.00	1.92e+07	1.58 y	33:07	-	0.925	
93	Unk	PCB-88	200.00	2.17e+07	2.65 n	33:26	-	0.522	Co-elute PCB 91
94	Unk	PCB-91	200.00	2.17e+07	2.65 n	33:26	-	0.522	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.25e+07	1.65 y	33:29	-	1.08	
96	IS	13C-PCB-104	100.00	2.08e+07	1.58 y	30:01	-	0.962	
97	C/Up	13C-PCB-28	100.00	4.60e+07	1.08 y	26:39	-	2.13	
98	RS	13C-PCB-52	100.00	2.16e+07	0.80 y	28:55	2.16e+05	-	
99	Unk	PCB-56	200.00	7.70e+07	0.77 y	33:57	-	1.21	Co-elute PCB 60
100	Unk	PCB-60	200.00	7.70e+07	0.77 y	33:57	-	1.21	Co-elute PCB 56

101	Unk	PCB-79	100.00	4.39e+07	0.79 y	34:58	-	1.38		
102	Unk	PCB-78	100.00	4.39e+07	0.79 y	35:37	-	1.38		
103	Unk	PCB-81	100.00	4.42e+07	0.79 y	36:07	-	1.41		
104	IS	13C-PCB-81	100.00	3.14e+07	0.81 y	36:06	-	1.78		
105	Unk	PCB-77	100.00	3.78e+07	0.80 y	36:41	-	1.17		
106	IS/RT	13C-PCB-77	100.00	3.23e+07	0.81 y	36:40	-	1.84		
107	Unk	PCB-155	100.00	2.54e+07	1.24 y	34:12	-	1.14		
108	Unk	PCB-150	100.00	2.36e+07	1.27 y	35:24	-	1.06		
109	Unk	PCB-152	100.00	2.56e+07	1.25 y	35:51	-	1.15		
110	Unk	PCB-145	100.00	2.37e+07	1.24 y	36:16	-	1.06		
111	Unk	PCB-136	100.00	2.34e+07	1.25 y	36:35	-	1.05		
112	Unk	PCB-148	100.00	2.04e+07	1.27 y	36:40	-	0.919		
113	Unk	PCB-154	100.00	2.07e+07	1.27 y	37:08	-	0.933		
114	IS	13C-PCB-155	100.00	2.22e+07	1.27 y	34:11	-	1.26		
115	C/Up	13C-PCB-111	100.00	2.32e+07	1.61 y	36:16	-	1.32		
116	RS	13C-PCB-101	100.00	1.76e+07	1.62 y	34:37	1.76e+05	-		
117	Unk	PCB-84	200.00	4.43e+07	1.60 y	34:17	-	0.740	Co-elute PCB 92	
118	Unk	PCB-92	200.00	4.43e+07	1.60 y	34:17	-	0.740	Co-elute PCB 84	
119	Unk	PCB-89	100.00	2.29e+07	1.59 y	34:27	-	0.766		
120	Unk	PCB-90	200.00	4.79e+07	1.59 y	34:37	-	0.800	Co-elute PCB 101	
121	Unk	PCB-101	200.00	4.79e+07	1.59 y	34:37	-	0.800	Co-elute PCB 90	
122	Unk	PCB-113	100.00	2.65e+07	1.59 y	34:51	-	0.887		
123	Unk	PCB-99	100.00	2.75e+07	1.63 y	34:58	-	0.921		
124	Unk	PCB-119	100.00	3.16e+07	1.59 y	35:23	-	1.06		
125	Unk	PCB-83	200.00	4.96e+07	1.58 y	35:32	-	0.830	Co-elute PCB 112	
126	Unk	PCB-112	200.00	4.96e+07	1.58 y	35:32	-	0.830	Co-elute PCB 83	
127	Unk	PCB-109	100.00	2.89e+07	1.62 y	35:42	-	0.967		
128	Unk	PCB-97	100.00	2.03e+07	1.58 y	35:53	-	0.678		
129	Unk	PCB-86	100.00	2.02e+07	1.56 y	36:02	-	0.677		
130	Unk	PCB-125	300.00	8.27e+07	1.60 y	36:08	-	0.922	Co-elute PCB 87/117	
131	Unk	PCB-87	300.00	8.27e+07	1.60 y	36:08	-	0.922	Co-elute PCB 125/117	
132	Unk	PCB-117	300.00	8.27e+07	1.60 y	36:08	-	0.922	Co-elute PCB 125/87	
133	Unk	PCB-111	200.00	5.93e+07	1.63 y	36:17	-	0.991	Co-elute PCB 115	
134	Unk	PCB-115	200.00	5.93e+07	1.63 y	36:17	-	0.991	Co-elute PCB 111	
135	Unk	PCB-85	200.00	5.48e+07	1.62 y	36:25	-	0.917	Co-elute PCB 116	
136	Unk	PCB-116	200.00	5.48e+07	1.62 y	36:25	-	0.917	Co-elute PCB 85	
137	Unk	PCB-120	100.00	3.34e+07	1.59 y	36:38	-	1.12		
138	Unk	PCB-110	100.00	2.98e+07	1.61 y	36:46	-	0.995		
139	Unk	PCB-82	100.00	1.94e+07	1.59 y	37:22	-	0.648		
140	Unk	PCB-124	100.00	3.75e+07	1.53 y	38:01	-	1.25		
141	Unk	PCB-108	200.00	7.34e+07	1.55 y	38:10	-	1.23	Co-elute PCB 107	
142	Unk	PCB-107	200.00	7.34e+07	1.55 y	38:10	-	1.23	Co-elute PCB 108	
143	Unk	PCB-123	100.00	3.36e+07	1.55 y	38:19	-	1.19		
144	IS	13C-PCB-123	100.00	2.83e+07	1.59 y	38:18	-	1.42		
145	Unk	PCB-118	200.00	7.70e+07	1.57 y	38:31	-	1.22	Co-elute PCB 106	
146	Unk	PCB-106	200.00	7.70e+07	1.57 y	38:31	-	1.22	Co-elute PCB 118	
147	IS	13C-PCB-118	100.00	3.15e+07	1.59 y	38:29	-	1.59		
148	Unk	PCB-114	100.00	3.51e+07	1.59 y	39:07	-	1.18		
149	IS	13C-PCB-114	100.00	2.97e+07	1.60 y	39:06	-	1.50		
150	Unk	PCB-122	100.00	3.88e+07	1.55 y	39:14	-	1.30		
151	Unk	PCB-105	100.00	4.09e+07	1.56 y	39:57	-	1.36		
152	IS	13C-PCB-105	100.00	3.02e+07	1.59 y	39:55	-	1.52		
153	Unk	PCB-127	100.00	3.80e+07	1.58 y	40:15	-	1.27		
154	Unk	PCB-126	100.00	3.32e+07	1.55 y	42:03	-	1.23		
155	IS	13C-PCB-126	100.00	2.70e+07	1.60 y	42:02	-	1.36		

156	Unk	PCB-151	100.00	2.53e+07	1.28 y	37:47	-	1.14	
157	Unk	PCB-135	100.00	2.33e+07	1.24 y	37:58	-	1.05	
158	Unk	PCB-144	100.00	2.58e+07	1.26 y	38:05	-	1.17	
159	Unk	PCB-147	100.00	2.75e+07	1.27 y	38:11	-	1.24	
160	Unk	PCB-139	200.00	5.05e+07	1.26 y	38:28	-	1.14	Co-elute PCB 149
161	Unk	PCB-149	200.00	5.05e+07	1.26 y	38:28	-	1.14	Co-elute PCB 139
162	Unk	PCB-140	100.00	2.81e+07	1.27 y	38:38	-	1.27	
163	Unk	PCB-143	200.00	4.43e+07	1.27 y	39:02	-	0.998	Co-elute PCB 134
164	Unk	PCB-134	200.00	4.43e+07	1.27 y	39:02	-	0.998	Co-elute PCB 143
165	Unk	PCB-131	200.00	4.42e+07	1.27 y	39:19	-	0.997	Co-elute PCB 133
166	Unk	PCB-133	200.00	4.42e+07	1.27 y	39:19	-	0.997	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.33e+07	1.25 y	39:29	-	1.05	
168	Unk	PCB-165	200.00	5.75e+07	1.25 y	39:40	-	1.30	Co-elute PCB 146
169	Unk	PCB-146	200.00	5.75e+07	1.25 y	39:40	-	1.30	Co-elute PCB 165
170	Unk	PCB-161	200.00	5.51e+07	1.25 y	39:53	-	1.24	Co-elute PCB 132
171	Unk	PCB-132	200.00	5.51e+07	1.25 y	39:53	-	1.24	Co-elute PCB 161
172	Unk	PCB-153	100.00	3.11e+07	1.26 y	40:03	-	1.40	
173	Unk	PCB-168	100.00	3.07e+07	1.24 y	40:16	-	1.38	
174	Unk	PCB-141	100.00	2.51e+07	1.26 y	40:46	-	1.13	
175	Unk	PCB-137	100.00	2.25e+07	1.24 y	41:07	-	1.01	
176	Unk	PCB-130	100.00	2.33e+07	1.28 y	41:14	-	1.05	
177	Unk	PCB-138	300.00	8.34e+07	1.26 y	41:35	-	1.25	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	8.34e+07	1.26 y	41:35	-	1.25	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	8.34e+07	1.26 y	41:35	-	1.25	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	6.30e+07	1.28 y	41:49	-	1.42	Co-elute PCB 160
181	Unk	PCB-160	200.00	6.30e+07	1.28 y	41:49	-	1.42	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.20e+07	1.26 y	42:03	-	0.994	
183	Unk	PCB-166	100.00	3.15e+07	1.26 y	42:30	-	1.42	
184	Unk	PCB-159	100.00	3.39e+07	1.26 y	42:46	-	1.53	
185	Unk	PCB-128	200.00	5.04e+07	1.26 y	43:03	-	1.14	Co-elute PCB 162
186	Unk	PCB-162	200.00	5.04e+07	1.26 y	43:03	-	1.14	Co-elute PCB 128
187	Unk	PCB-167	100.00	3.05e+07	1.26 y	43:26	-	1.33	
188	IS	13C-PCB-167	100.00	2.29e+07	1.28 y	43:24	-	1.16	
189	Unk	PCB-156	100.00	3.13e+07	1.25 y	44:40	-	1.40	
190	IS	13C-PCB-156	100.00	2.24e+07	1.30 y	44:38	-	1.13	
191	Unk	PCB-157	100.00	2.86e+07	1.26 y	44:55	-	1.26	
192	IS	13C-PCB-157	100.00	2.27e+07	1.27 y	44:53	-	1.14	
193	Unk	PCB-169	100.00	2.52e+07	1.29 y	46:46	-	1.22	
194	IS	13C-PCB-169	100.00	2.06e+07	1.28 y	46:45	-	1.04	
195	Unk	PCB-188	100.00	2.52e+07	1.06 y	39:42	-	1.19	
196	IS	13C-PCB-188	100.00	2.11e+07	1.08 y	39:42	-	1.06	

197	Unk	PCB-184	100.00	2.64e+07	1.06 y	40:08	-	1.38	
198	Unk	PCB-179	100.00	2.63e+07	1.06 y	40:53	-	1.38	
199	Unk	PCB-176	100.00	2.54e+07	1.06 y	41:19	-	1.33	
200	Unk	PCB-186	100.00	2.39e+07	1.03 y	41:53	-	1.25	
201	Unk	PCB-178	100.00	1.81e+07	1.06 y	42:21	-	0.946	
202	Unk	PCB-175	100.00	1.87e+07	1.06 y	42:41	-	0.979	
203	Unk	PCB-187	200.00	4.00e+07	1.05 y	42:51	-	1.04	Co-elute PCB 182
204	Unk	PCB-182	200.00	4.00e+07	1.05 y	42:51	-	1.04	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.05e+07	1.05 y	43:09	-	1.07	
206	Unk	PCB-185	100.00	1.69e+07	1.06 y	43:47	-	0.884	
207	Unk	PCB-174	100.00	1.80e+07	1.05 y	44:07	-	0.940	
208	Unk	PCB-181	100.00	1.77e+07	1.05 y	44:13	-	0.926	
209	Unk	PCB-177	100.00	1.73e+07	1.05 y	44:22	-	0.905	
210	Unk	PCB-171	100.00	1.84e+07	1.06 y	44:40	-	0.961	
211	Unk	PCB-173	100.00	1.61e+07	1.05 y	45:04	-	0.842	
212	Unk	PCB-172	100.00	1.72e+07	1.06 y	45:27	-	0.899	
213	Unk	PCB-192	100.00	2.05e+07	1.05 y	45:37	-	1.07	
214	Unk	PCB-180	100.00	1.64e+07	1.02 y	45:47	-	0.857	
215	Unk	PCB-193	100.00	2.28e+07	1.06 y	45:57	-	1.19	
216	Unk	PCB-191	100.00	2.28e+07	1.06 y	46:10	-	1.19	
217	Unk	PCB-170	100.00	1.65e+07	1.07 y	47:05	-	0.863	
218	Unk	PCB-190	100.00	2.24e+07	1.07 y	47:14	-	1.17	
219	Unk	PCB-189	100.00	1.99e+07	1.06 y	48:27	-	1.16	
220	IS	13C-PCB-189	100.00	1.71e+07	1.08 y	48:25	-	0.862	
221	Unk	PCB-202	150.00	2.54e+07	0.91 y	44:50	-	1.11	
222	Unk	PCB-201	150.00	2.89e+07	0.90 y	45:16	-	1.27	
223	Unk	PCB-204	150.00	2.91e+07	0.91 y	45:24	-	1.28	
224	Unk	PCB-197	150.00	2.72e+07	0.92 y	45:41	-	1.20	
225	Unk	PCB-200	150.00	2.86e+07	0.89 y	46:27	-	1.25	
226	Unk	PCB-198	150.00	2.04e+07	0.91 y	47:36	-	0.896	
227	Unk	PCB-199	150.00	1.94e+07	0.92 y	47:42	-	0.850	
228	Unk	PCB-203	300.00	4.32e+07	0.89 y	47:57	-	0.949	Co-elute PCB 196
229	Unk	PCB-196	300.00	4.32e+07	0.89 y	47:57	-	0.949	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.52e+07	0.91 y	44:48	-	0.765	
231	C/Up	13C-PCB-178	100.00	1.50e+07	1.07 y	42:20	-	0.756	
232	RS	13C-PCB-138	100.00	1.99e+07	1.29 y	41:32	1.99e+05	-	
233	Unk	PCB-195	150.00	3.63e+07	0.86 y	49:03	-	0.936	
234	Unk	PCB-194	150.00	3.99e+07	0.89 y	49:51	-	1.03	
235	Unk	PCB-205	150.00	4.55e+07	0.88 y	50:06	-	1.17	
236	IS	13C-PCB-205	100.00	2.59e+07	0.92 y	50:05	-	1.30	
237	Unk	PCB-208	150.00	3.89e+07	1.37 y	49:11	-	1.16	
238	IS	13C-PCB-208	100.00	2.23e+07	0.82 y	49:09	-	1.13	
239	Unk	PCB-207	150.00	4.10e+07	1.36 y	49:27	-	1.39	
240	Unk	PCB-206	150.00	2.96e+07	1.35 y	51:18	-	1.17	
241	IS	13C-PCB-206	100.00	1.68e+07	0.80 y	51:18	-	0.848	
242	Unk	PCB-209	150.00	3.23e+07	1.19 y	52:30	-	1.24	
243	IS	13C-PCB-209	100.00	1.74e+07	1.21 y	52:28	-	0.877	
244	RS	13C-PCB-194	100.00	1.99e+07	0.92 y	49:51	1.99e+05	-	

Analyst: _____ Date: 10/27/20

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: 23OCT20Z Sam:1 Analysis Date: 23-OCT-20 10:50:59

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.19	2.66-3.60	y	55.9	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	56.4	37.5 - 62.5
PCB-4	M/M+2	1.46	1.33-1.79	y	51.0	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	59.3	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	53.2	37.5 - 62.5
PCB-37	M/M+2	1.00	0.88-1.20	y	52.9	37.5 - 62.5
PCB-54	M/M+2	0.81	0.65-0.89	y	115	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.59	1.32-1.78	y	110	75.0 - 125
PCB-105	M+2/M+4	1.56	1.32-1.78	y	123	75.0 - 125
PCB-114	M+2/M+4	1.59	1.32-1.78	y	105	75.0 - 125
PCB-118	M+2/M+4	1.57	1.32-1.78	y	218	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	107	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	113	75.0 - 125
PCB-155	M+2/M+4	1.24	1.05-1.43	y	101	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	124	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	116	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	120	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	113	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	1.06	0.89-1.21	y	109	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	162	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	162	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	169	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	173	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	164	112.5 - 187.5

Analyst: _____ Date: 10/27/20

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: 23OCT20Z Sam:1 Analysis Date: 23-OCT-20 10:50:59

	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	3.18	2.66-3.60	y	105	50.0 - 145
13C-PCB-3	M/M+2	3.22	2.66-3.60	y	94.4	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	106	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	1.08	0.88-1.20	y	93.3	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	108	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	104	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	114	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	94.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	119	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	117	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	111	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	110	50.0 - 145
13C-PCB-155	M+2/M+4	1.27	1.05-1.43	y	114	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	95.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	94.3	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	94.0	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	88.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	89.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	80.0	50.0 - 145
13C-PCB-205	M+2/M+4	0.92	0.76-1.02	y	99.0	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	90.5	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	81.8	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	79.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.08	0.88-1.20	y	123	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	104	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	97.4	75.0 - 125

Analyst: _____ Date: 10/27/20

FAL ID: ST102320Z1 Filename: 23OCT20Z Sam:1 Acquired: 23-OCT-20 10:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 201021A ConCal: ST102320Z1 EndCal: ST102320Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.96e+07	3.19 y	14:31	1.21	55.9		2.50	-	-	*	-
13C-PCB-1	4.37e+07	3.18 y	14:30	0.90	105		2.50				105
PCB-3	2.83e+07	3.15 y	16:56	1.23	56.4		2.50	-	-	*	-
13C-PCB-3	4.08e+07	3.22 y	16:55	0.93	94.4		2.50				94.4
PCB-4	1.89e+07	1.46 y	18:11	1.14	51.0		2.50	-	-	*	-
13C-PCB-4	3.25e+07	1.57 y	18:09	0.66	106		2.50				106
PCB-15	3.05e+07	1.54 y	23:42	1.09	59.3		2.50	-	-	*	-
13C-PCB-15	4.70e+07	1.62 y	23:40	1.09	93.2		2.50				93.2
PCB-19	1.41e+07	1.07 y	22:03	1.21	53.2		2.50	-	-	*	-
13C-PCB-19	2.19e+07	1.08 y	22:02	0.50	93.3		2.50				93.3
13C-PCB-9	4.64e+07	1.62 y	19:49	-	45.5		2.50				
PCB-37	2.32e+07	1.00 y	30:21	1.14	52.9		2.50	-	-	*	-
13C-PCB-37	3.83e+07	1.07 y	30:20	1.64	108		2.50				108
PCB-54	3.87e+07	0.81 y	25:35	1.18	115		2.50	-	-	*	-
13C-PCB-54	2.85e+07	0.82 y	25:34	1.26	104		2.50				104
PCB-104	2.56e+07	1.59 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	2.08e+07	1.58 y	30:01	1.02	94.2		2.50				94.2
13C-PCB-28	4.60e+07	1.08 y	26:39	1.73	123		2.50				123
13C-PCB-52	2.16e+07	0.80 y	28:55	-	40.7		2.50				
PCB-81	4.42e+07	0.79 y	36:07	1.13	124		2.50	-	-	*	-
13C-PCB-81	3.14e+07	0.81 y	36:06	1.57	114		2.50				114
PCB-77	3.78e+07	0.80 y	36:41	1.10	106		2.50	-	-	*	-
13C-PCB-77	3.23e+07	0.81 y	36:40	1.61	114		2.50				114
PCB-155	2.54e+07	1.24 y	34:12	1.13	101		2.50	-	-	*	-
13C-PCB-155	2.22e+07	1.27 y	34:11	1.10	114		2.50				114
13C-PCB-111	2.32e+07	1.61 y	36:16	1.27	104		2.50				104
13C-PCB-101	1.76e+07	1.62 y	34:37	-	36.9		2.50				
PCB-123	3.36e+07	1.55 y	38:19	1.11	107		2.50	-	-	*	-
13C-PCB-123	2.83e+07	1.59 y	38:18	1.28	111		2.50				111
PCB-118	7.70e+07	1.57 y	38:31	1.12	218		2.50	-	-	*	-
13C-PCB-118	3.15e+07	1.59 y	38:29	1.35	117		2.50				117
PCB-114	3.51e+07	1.59 y	39:07	1.13	105		2.50	-	-	*	-
13C-PCB-114	2.97e+07	1.60 y	39:06	1.29	116		2.50				116
PCB-105	4.09e+07	1.56 y	39:57	1.10	123		2.50	-	-	*	-
13C-PCB-105	3.02e+07	1.59 y	39:55	1.28	119		2.50				119
PCB-126	3.32e+07	1.55 y	42:03	1.08	113		2.50	-	-	*	-
13C-PCB-126	2.70e+07	1.60 y	42:02	1.23	110		2.50				110
PCB-167	3.05e+07	1.26 y	43:26	1.11	120		2.50	-	-	*	-
13C-PCB-167	2.29e+07	1.28 y	43:24	1.23	94.0		2.50				94.0
PCB-156	3.13e+07	1.25 y	44:40	1.13	124		2.50	-	-	*	-
13C-PCB-156	2.24e+07	1.30 y	44:38	1.19	95.1		2.50				95.1
PCB-157	2.86e+07	1.26 y	44:55	1.08	116		2.50	-	-	*	-
13C-PCB-157	2.27e+07	1.27 y	44:53	1.21	94.3		2.50				94.3
PCB-169	2.52e+07	1.29 y	46:46	1.08	113		2.50	-	-	*	-
13C-PCB-169	2.06e+07	1.28 y	46:45	1.17	88.6		2.50				88.6
PCB-188	2.52e+07	1.06 y	39:42	1.10	108		2.50	-	-	*	-
13C-PCB-188	2.11e+07	1.08 y	39:42	1.13	94.3		2.50				94.3
PCB-189	1.99e+07	1.06 y	48:27	1.07	109		2.50	-	-	*	-
13C-PCB-189	1.71e+07	1.08 y	48:25	0.97	89.3		2.50				89.3
PCB-202	2.54e+07	0.91 y	44:50	1.03	162		2.50	-	-	*	-
13C-PCB-202	1.52e+07	0.91 y	44:48	0.96	80.0		2.50				80.0
13C-PCB-178	1.50e+07	1.07 y	42:20	0.78	97.4		2.50				97.4
13C-PCB-138	1.99e+07	1.29 y	41:32	-	41.3		2.50				

FAL ID: ST10232021 Filename: 23OCT20Z Sam:1 Acquired: 23-OCT-20 10:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 201021A ConCal: ST10232021 EndCal: ST10232022
Results: GC Column: DB1MS Amount: 1.000

PCB-205	4.55e+07	0.88	y	50:06	1.09	162	2.50	-	-	*	-
13C-PCB-205	2.59e+07	0.92	y	50:05	1.32	99.0	2.50				99.0
PCB-208	3.89e+07	1.37	y	49:11	1.01	173	2.50	-	-	*	-
13C-PCB-208	2.23e+07	0.82	y	49:09	1.38	81.8	2.50				81.8
PCB-206	2.96e+07	1.35	y	51:18	1.04	169	2.50	-	-	*	-
13C-PCB-206	1.68e+07	0.80	y	51:18	0.94	90.5	2.50				90.5
PCB-209	3.23e+07	1.19	y	52:30	1.13	164	2.50	-	-	*	-
13C-PCB-209	1.74e+07	1.21	y	52:28	1.10	79.5	2.50				79.5
13C-PCB-194	1.99e+07	0.92	y	49:51	-	52.1	2.50				

Analyst: _____ Date: 10/27/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/23/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 23OCT20Z Sam:15 Analysis Date: 24-OCT-20 00:28:20

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	53.7	37.5 - 62.5
PCB-3	M/M+2	3.30	2.66-3.60	y	52.8	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	51.0	37.5 - 62.5
PCB-15	M/M+2	1.49	1.33-1.79	y	49.5	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	54.9	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	56.4	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	102	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	100	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	1.60	1.32-1.78	y	101	75.0 - 125
PCB-114	M+2/M+4	1.60	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.64	1.32-1.78	y	210	150 - 250
PCB-123	M+2/M+4	1.64	1.32-1.78	y	95.8	75.0 - 125
PCB-126	M+2/M+4	1.61	1.32-1.78	y	104	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	103	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	100.0	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	95.0	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	99.8	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	102	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	104	75.0 - 125
PCB-202	M+2/M+4	0.92	0.76-1.02	y	153	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	153	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	1.39	1.13-1.53	y	151	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	155	112.5 - 187.5

Analyst: _____ Date: 10/27/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/23/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 23OCT20Z Sam:15 Analysis Date: 24-OCT-20 00:28:20

	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	3.28	2.66-3.60	y	92.4	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	91.1	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	106	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	93.5	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	83.5	50.0 - 145
13C-PCB-37	M/M+2	1.11	0.88-1.20	y	94.7	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	100	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	1.58	1.32-1.78	y	94.7	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	98.4	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	101	50.0 - 145
13C-PCB-118	M+2/M+4	1.63	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	100	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	99.3	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	93.2	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	106	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	109	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	104	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	110	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	95.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	105	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	99.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	103	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	99.3	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	98.9	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	92.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.10	0.88-1.20	y	99.0	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	99.9	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	98.1	75.0 - 125

Analyst: _____ Date: 10/27/20

FAL ID: ST10232022 Filename: 23OCT20Z Sam:15 Acquired: 24-OCT-20 00:28:20 ICal: DAILY209FAL4-10-23-20 1 of 2
Client ID: CS209 201021A ConCal: ST10232021 EndCal: ST10232022
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.67e+07	3.23 y	14:32	1.35	53.7		2.50	-	-	*	
13C-PCB-1	3.67e+07	3.28 y	14:31	0.94	92.4		2.50				92.4
PCB-3	2.47e+07	3.30 y	16:57	1.39	52.8		2.50	-	-	*	
13C-PCB-3	3.37e+07	3.39 y	16:56	0.88	91.1		2.50				91.1
PCB-4	1.85e+07	1.50 y	18:11	1.16	51.0		2.50	-	-	*	
13C-PCB-4	3.12e+07	1.61 y	18:10	0.70	106		2.50				106
PCB-15	2.56e+07	1.49 y	23:42	1.30	49.5		2.50	-	-	*	
13C-PCB-15	4.00e+07	1.60 y	23:41	1.01	93.5		2.50				93.5
PCB-19	1.17e+07	1.10 y	22:03	1.29	54.9		2.50	-	-	*	
13C-PCB-19	1.66e+07	1.10 y	22:02	0.47	83.5		2.50				83.5
13C-PCB-9	4.22e+07	1.60 y	19:50	-	90.9		2.50				
PCB-37	2.04e+07	1.10 y	30:21	1.21	56.4		2.50	-	-	*	
13C-PCB-37	2.98e+07	1.11 y	30:19	1.77	94.7		2.50				94.7
PCB-54	3.48e+07	0.79 y	25:36	1.36	102		2.50	-	-	*	
13C-PCB-54	2.50e+07	0.81 y	25:35	1.32	107		2.50				107
PCB-104	2.06e+07	1.58 y	30:02	1.23	103		2.50	-	-	*	
13C-PCB-104	1.62e+07	1.58 y	30:00	0.96	94.7		2.50				94.7
13C-PCB-28	3.74e+07	1.10 y	26:39	2.13	99.0		2.50				99.0
13C-PCB-52	1.78e+07	0.80 y	28:55	-	82.2		2.50				
PCB-81	3.81e+07	0.79 y	36:07	1.41	100		2.50	-	-	*	
13C-PCB-81	2.70e+07	0.80 y	36:05	1.78	104		2.50				104
PCB-77	3.17e+07	0.81 y	36:41	1.17	101		2.50	-	-	*	
13C-PCB-77	2.68e+07	0.79 y	36:40	1.84	100		2.50				100
PCB-155	2.02e+07	1.28 y	34:12	1.14	103		2.50	-	-	*	
13C-PCB-155	1.72e+07	1.29 y	34:10	1.26	93.2		2.50				93.2
13C-PCB-111	1.92e+07	1.63 y	36:16	1.32	99.9		2.50				99.9
13C-PCB-101	1.46e+07	1.63 y	34:37	-	83.0		2.50				
PCB-123	2.64e+07	1.64 y	38:19	1.19	95.8		2.50	-	-	*	
13C-PCB-123	2.31e+07	1.60 y	38:17	1.42	100		2.50				100
PCB-118	6.65e+07	1.64 y	38:31	1.22	210		2.50	-	-	*	
13C-PCB-118	2.59e+07	1.63 y	38:29	1.59	101		2.50				101
PCB-114	3.07e+07	1.60 y	39:07	1.18	106		2.50	-	-	*	
13C-PCB-114	2.44e+07	1.62 y	39:05	1.50	101		2.50				101
PCB-105	3.31e+07	1.60 y	39:56	1.36	101		2.50	-	-	*	
13C-PCB-105	2.42e+07	1.59 y	39:54	1.52	98.4		2.50				98.4
PCB-126	2.79e+07	1.61 y	42:03	1.23	104		2.50	-	-	*	
13C-PCB-126	2.18e+07	1.59 y	42:03	1.36	99.3		2.50				99.3
PCB-167	2.60e+07	1.25 y	43:25	1.33	101		2.50	-	-	*	
13C-PCB-167	1.95e+07	1.29 y	43:24	1.16	104		2.50				104
PCB-156	2.71e+07	1.27 y	44:39	1.40	100.0		2.50	-	-	*	
13C-PCB-156	1.94e+07	1.28 y	44:38	1.13	106		2.50				106
PCB-157	2.41e+07	1.25 y	44:54	1.26	95.0		2.50	-	-	*	
13C-PCB-157	2.02e+07	1.27 y	44:52	1.14	109		2.50				109
PCB-169	2.25e+07	1.28 y	46:46	1.22	99.8		2.50	-	-	*	
13C-PCB-169	1.84e+07	1.26 y	46:46	1.04	110		2.50				110
PCB-188	2.00e+07	1.06 y	39:41	1.19	102		2.50	-	-	*	
13C-PCB-188	1.64e+07	1.07 y	39:41	1.06	95.3		2.50				95.3
PCB-189	1.78e+07	1.08 y	48:26	1.16	104		2.50	-	-	*	
13C-PCB-189	1.47e+07	1.08 y	48:26	0.86	105		2.50				105
PCB-202	2.10e+07	0.92 y	44:49	1.11	153		2.50	-	-	*	
13C-PCB-202	1.23e+07	0.90 y	44:47	0.77	99.3		2.50				99.3
13C-PCB-178	1.20e+07	1.07 y	42:19	0.76	98.1		2.50				98.1
13C-PCB-138	1.62e+07	1.25 y	41:32	-	81.5		2.50				

FAL ID: ST102320Z2 Filename: 23OCT20Z Sam:15 Acquired: 24-OCT-20 00:28:20 ICal: DAILY209FAL4-10-23-202 of 2
Client ID: CS209 201021A ConCal: ST102320Z1 EndCal: ST102320Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	4.52e+07	0.90 y	50:05	1.17	153	2.50	-	-	*	
13C-PCB-205	2.51e+07	0.91 y	50:05	1.30	103	2.50				103
PCB-208	3.63e+07	1.39 y	49:10	1.16	151	2.50	-	-	*	
13C-PCB-208	2.07e+07	0.81 y	49:09	1.13	98.9	2.50				98.9
PCB-206	2.72e+07	1.34 y	51:19	1.17	148	2.50	-	-	*	
13C-PCB-206	1.57e+07	0.81 y	51:17	0.85	99.3	2.50				99.3
PCB-209	2.91e+07	1.21 y	52:29	1.24	155	2.50	-	-	*	
13C-PCB-209	1.52e+07	1.21 y	52:29	0.88	92.8	2.50				92.8
13C-PCB-194	1.86e+07	0.93 y	49:50	-	93.9	2.50				

Analyst: _____ Date: 10/27/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:23OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

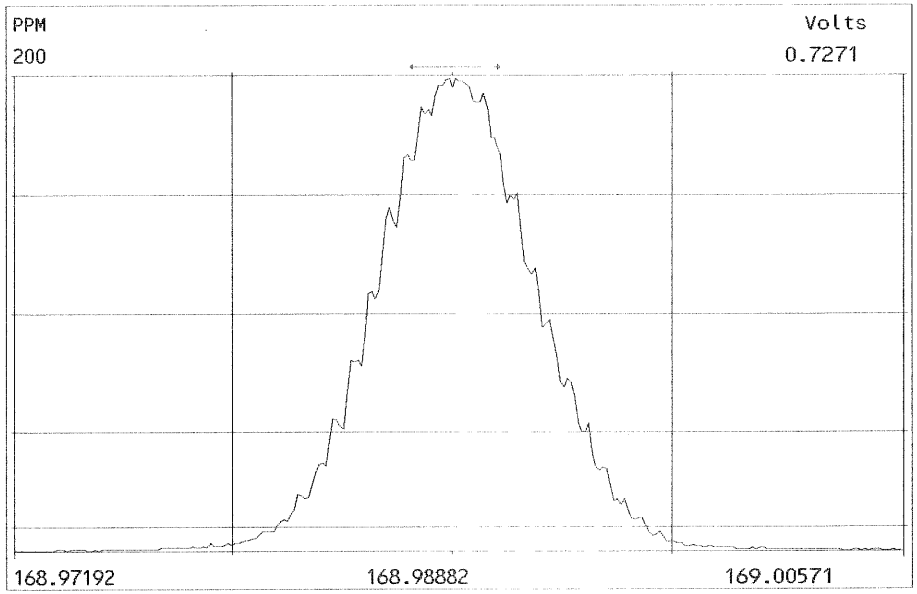
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
23OCT20Z	1	ST102320Z1	CS209 201021A	23-OCT-20 10:50:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	2	05488-001-0001-OPR	OPR	23-OCT-20 11:49:19	ST102320Z1	ST102320Z2	DV
23OCT20Z	3	05488-001-0001-MB	Method Blank	23-OCT-20 12:48:05	ST102320Z1	ST102320Z2	DV
23OCT20Z	4	13372-008-0001-SA	LDW-Y3-SC-ENR-CC-S010	23-OCT-20 13:46:26	ST102320Z1	ST102320Z2	DV
23OCT20Z	5	13372-011-0001-SA	LDW-Y3-SC-ENR-CD-S010-LONG	23-OCT-20 14:44:47	ST102320Z1	ST102320Z2	DV
23OCT20Z	6	13372-014-0001-SA	LDW-Y3-SC-ENR-S010-DEP	23-OCT-20 15:43:09	ST102320Z1	ST102320Z2	DV
23OCT20Z	7	13372-015-0001-SA	LDW-Y3-SC-S010-TB	23-OCT-20 16:41:30	ST102320Z1	ST102320Z2	DV
23OCT20Z	8	13372-016-0001-SA	LDW-Y3-SU-ENR+AC-CA-S010	23-OCT-20 17:39:52	ST102320Z1	ST102320Z2	DV
23OCT20Z	9	13372-017-0001-SA	LDW-Y3-SU-ENR+AC-CA-S010-BIO	23-OCT-20 18:38:13	ST102320Z1	ST102320Z2	DV
23OCT20Z	10	13372-019-0001-SA	LDW-Y3-SU-ENR+AC-CB-S010-BIO	23-OCT-20 19:36:34	ST102320Z1	ST102320Z2	DV
23OCT20Z	11	13372-020-0001-SA	LDW-Y3-SU-ENR+AC-CC-S010	23-OCT-20 20:34:55	ST102320Z1	ST102320Z2	DV
23OCT20Z	12	13373-001-0001-SA	LDW-Y3-SU-ENR+AC-CC-S010-BIO	23-OCT-20 21:33:17	ST102320Z1	ST102320Z2	DV
23OCT20Z	13	13373-002-0001-SA	LDW-Y3-SU-ENR+AC-CD-S010	23-OCT-20 22:31:38	ST102320Z1	ST102320Z2	DV
23OCT20Z	14	SB102320Z1	Solvent Blank	23-OCT-20 23:29:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	15	ST102320Z2	CS209 201021A	24-OCT-20 00:28:20	ST102320Z1	ST102320Z2	DV

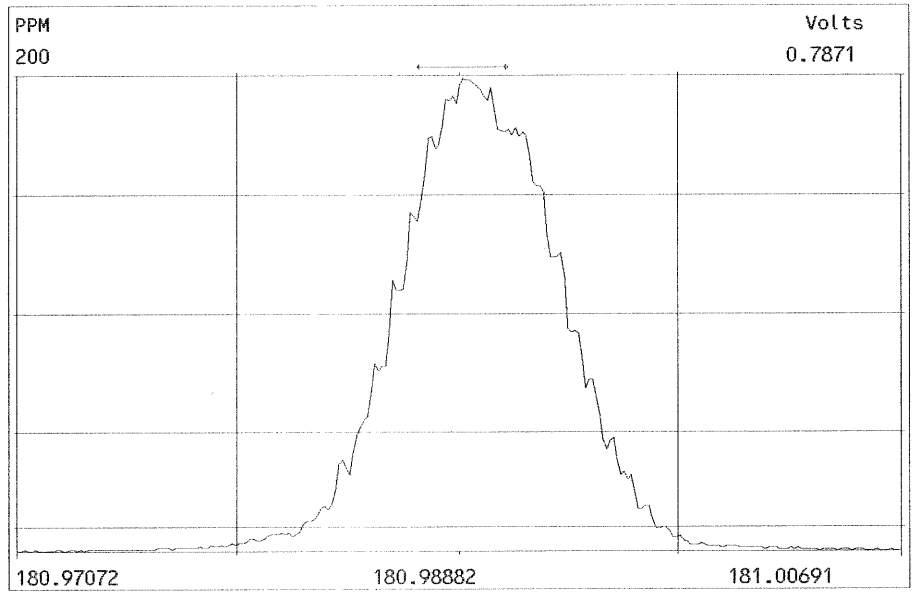
DN 10.24.20

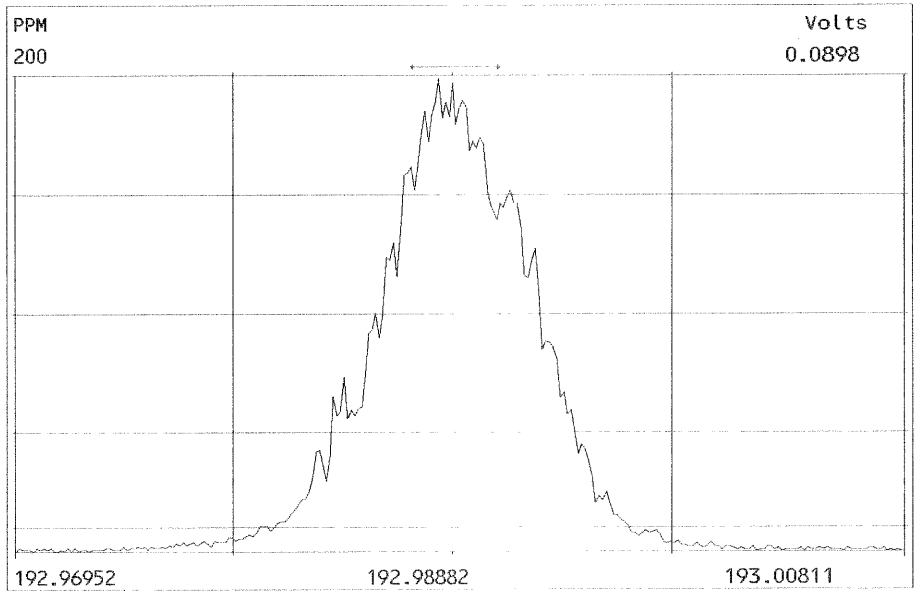
Data Backed Up:_____

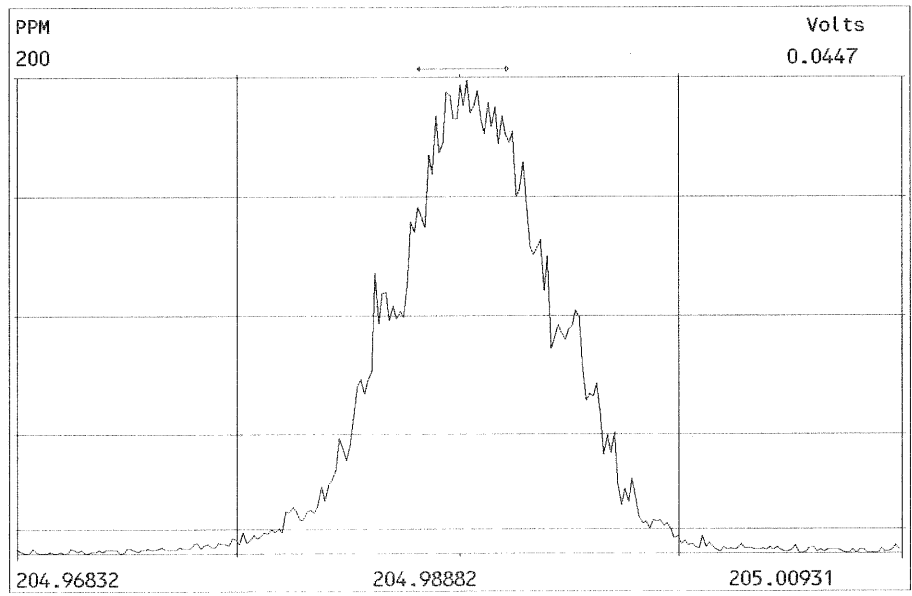
Date:_____

Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

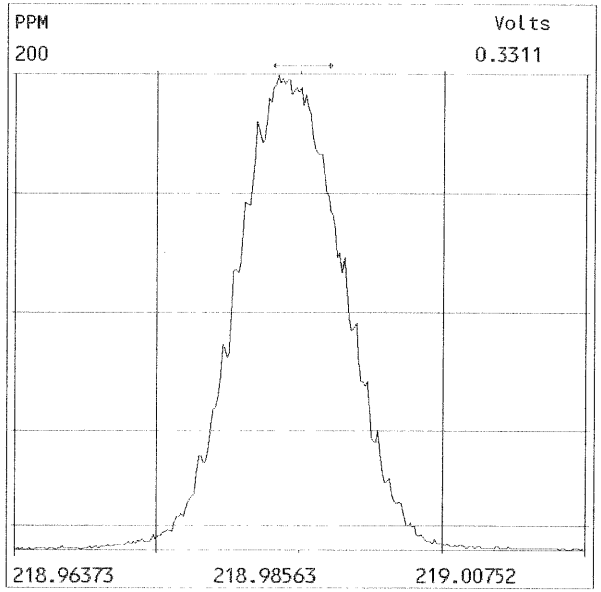


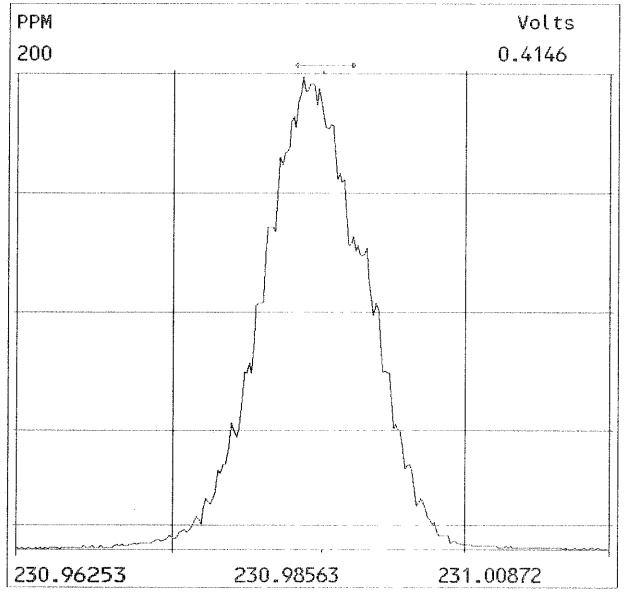


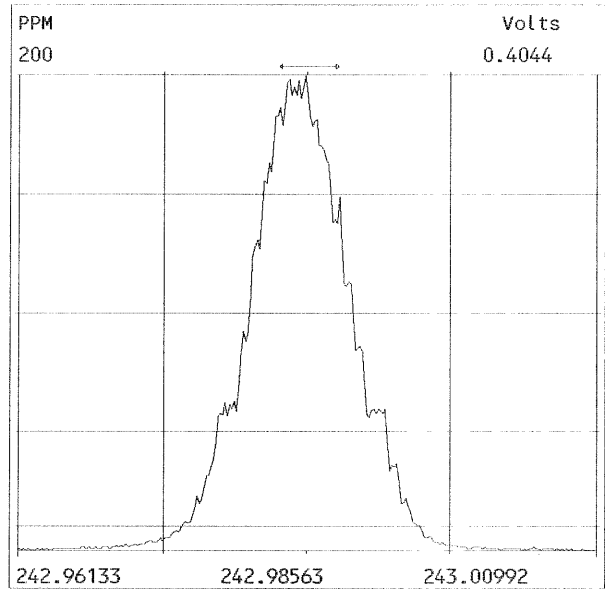


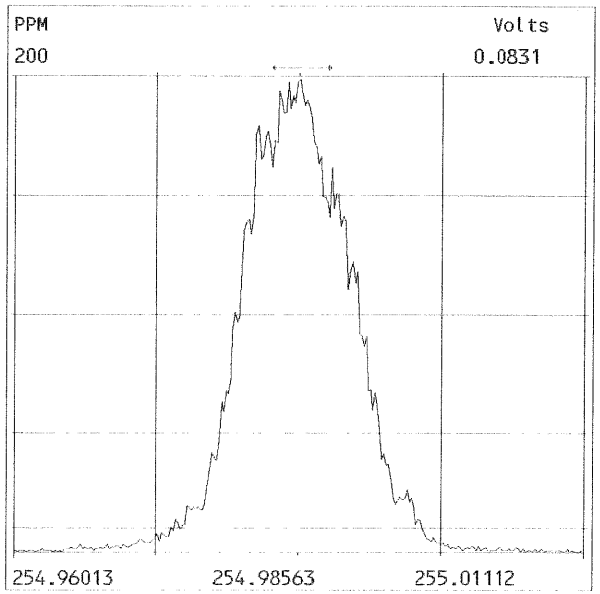


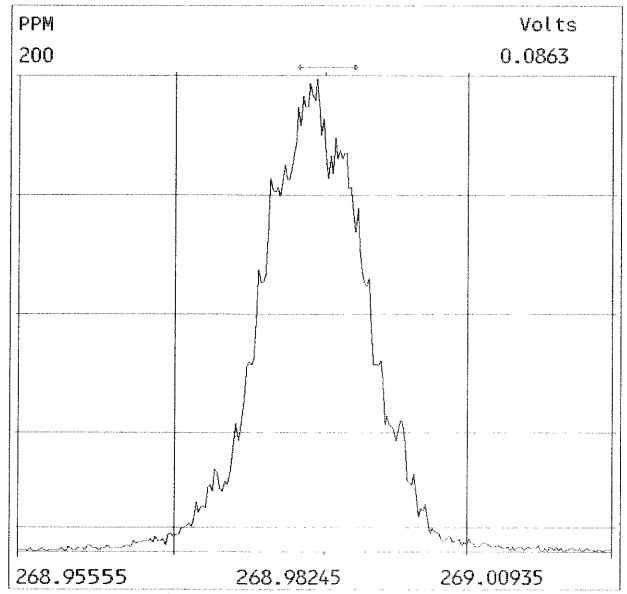
Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

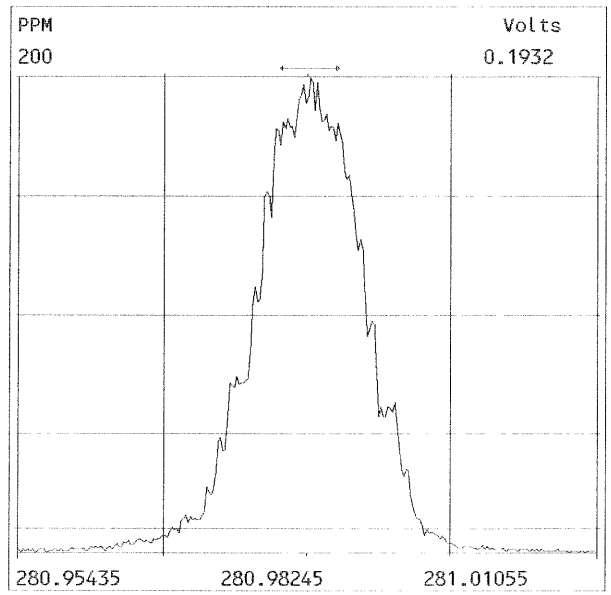




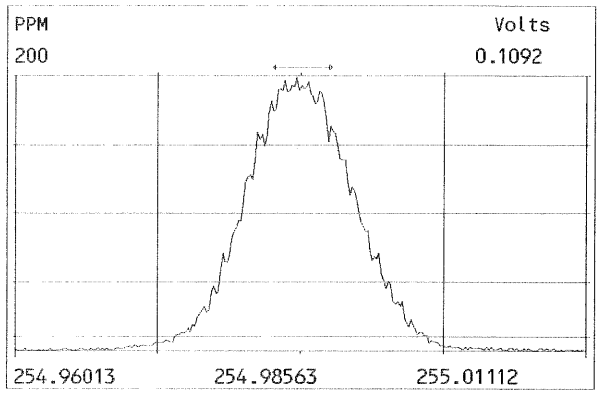


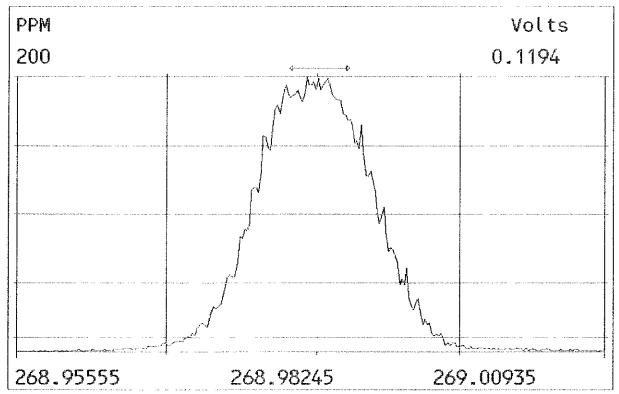


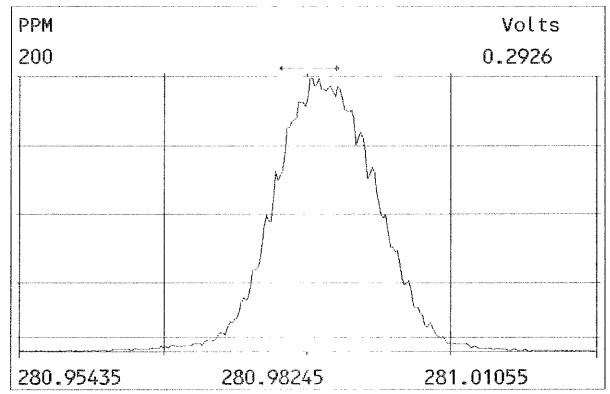


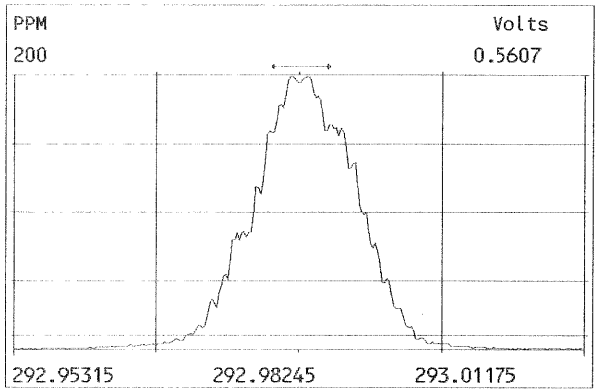


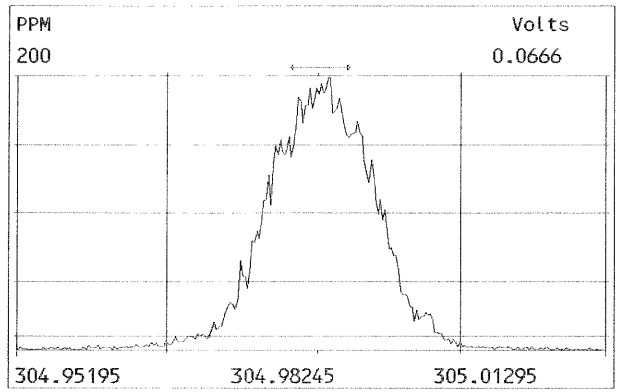
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

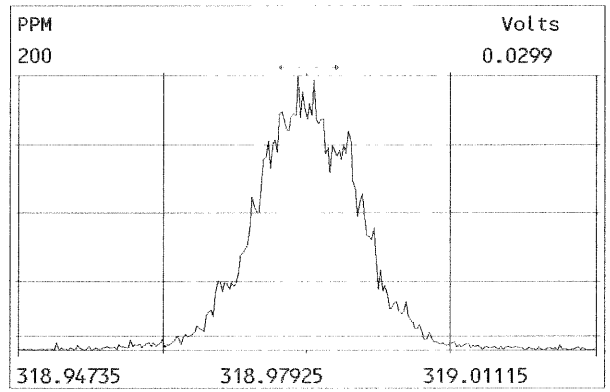


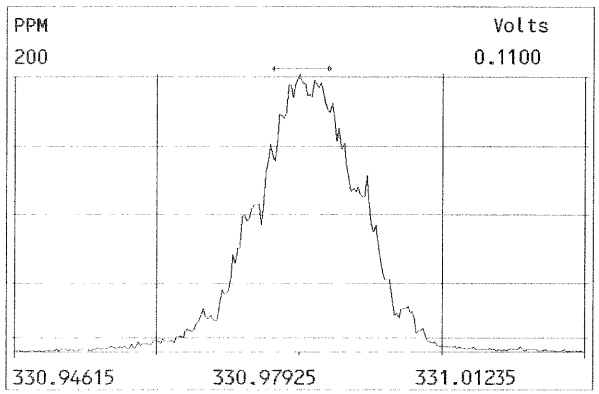


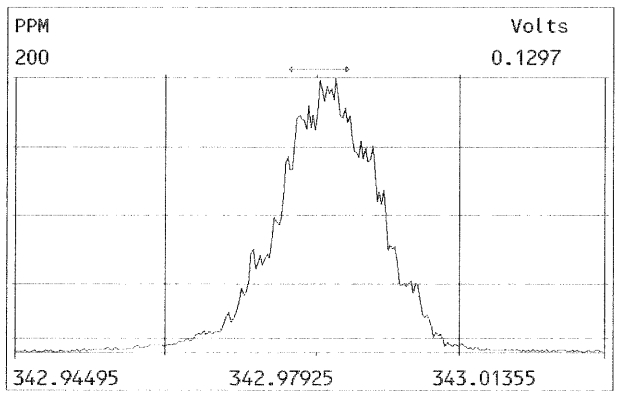




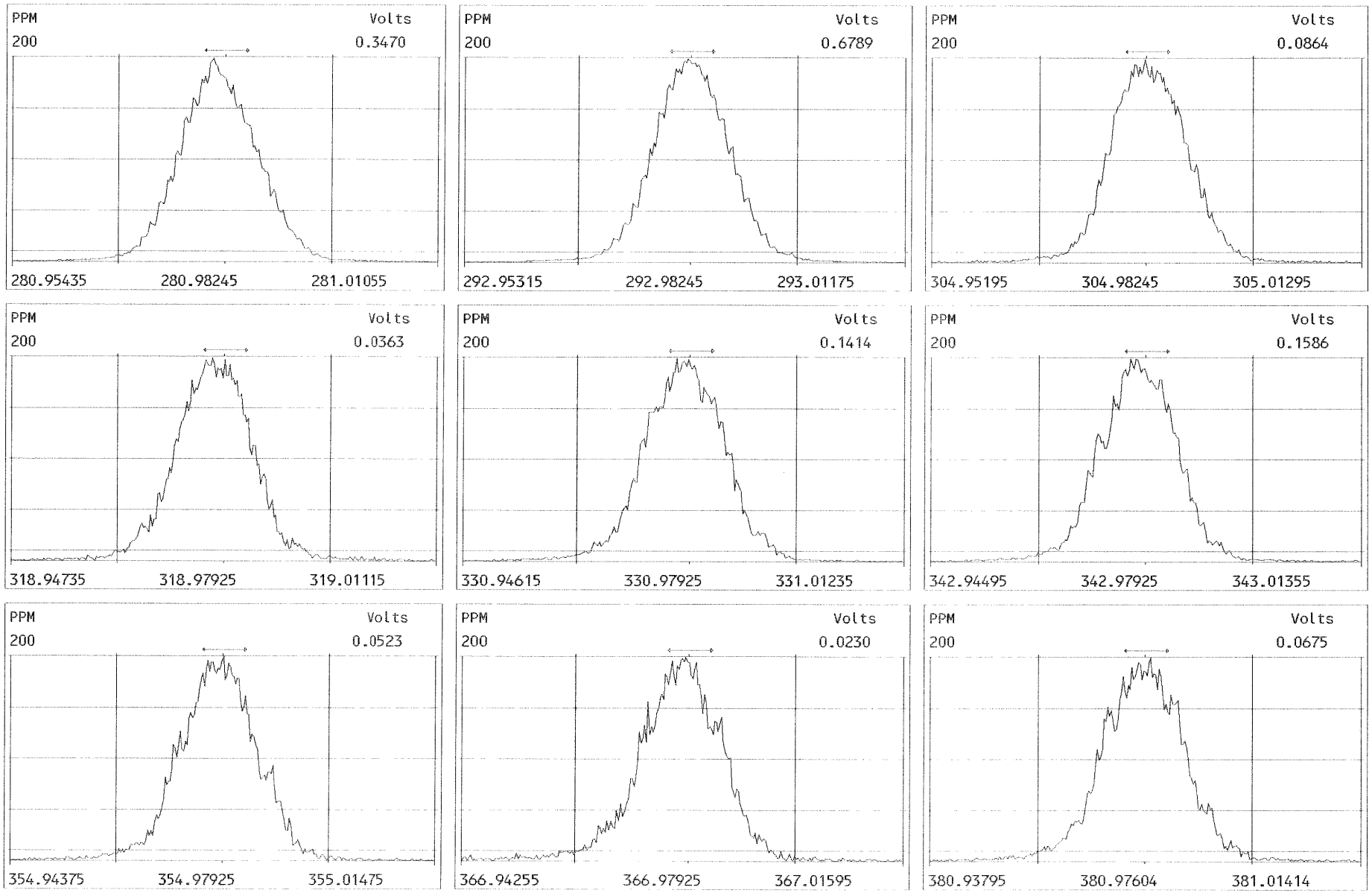




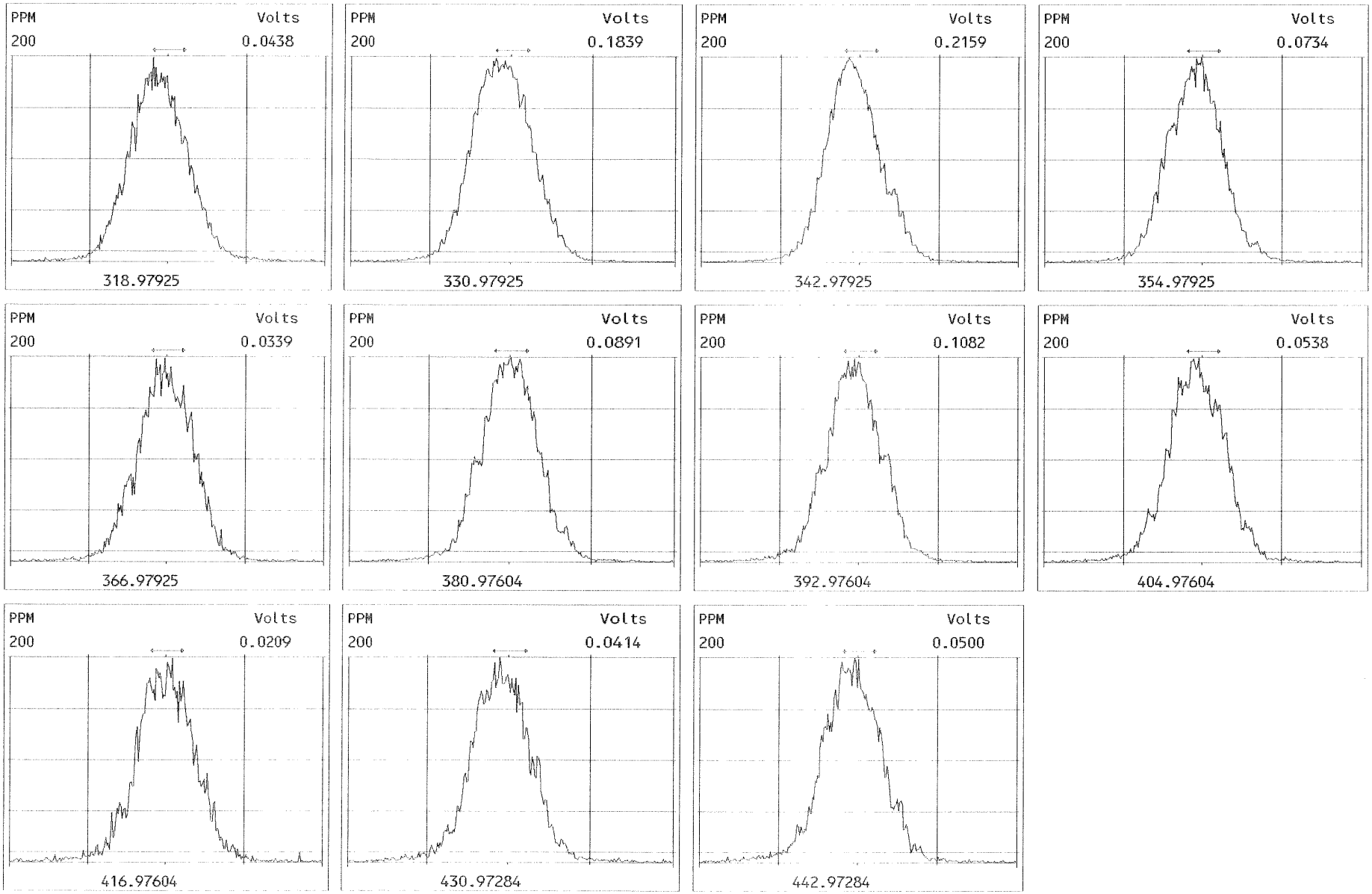




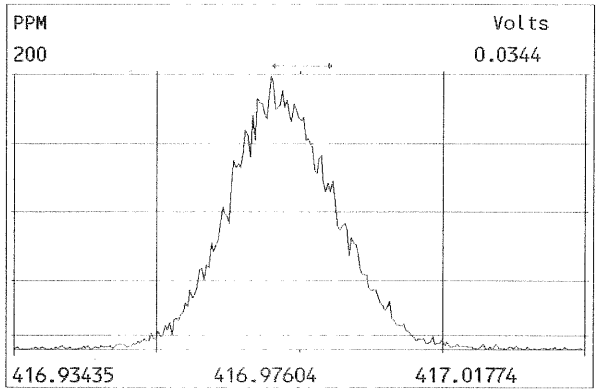
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

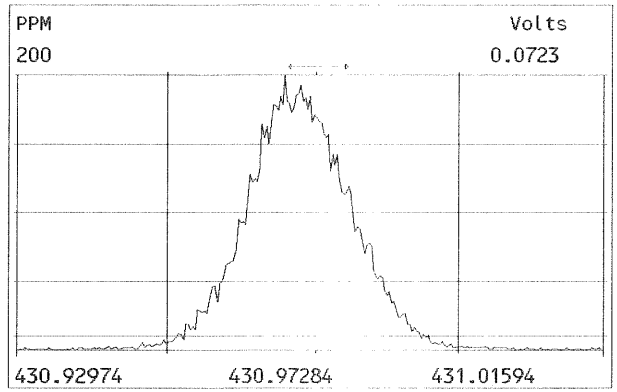


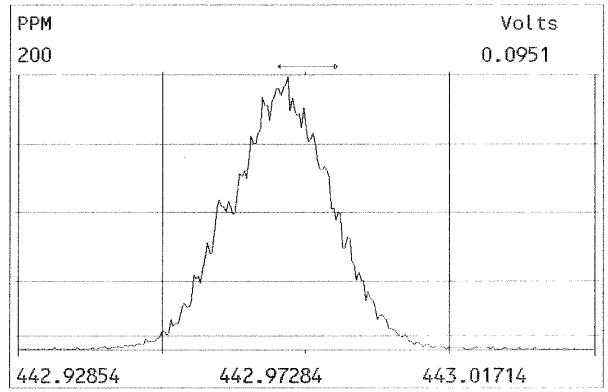
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

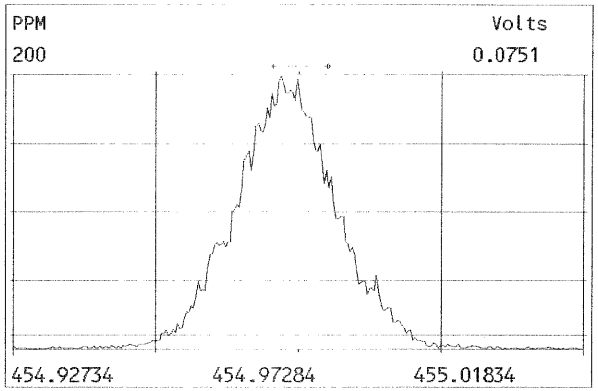


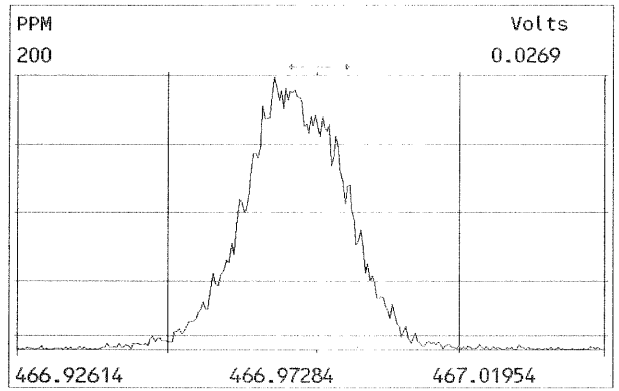
Peak Locate Examination:23-OCT-2020:10:50 File:23OCT20Z
Experiment:1668PCB Function:6 Reference:PFK

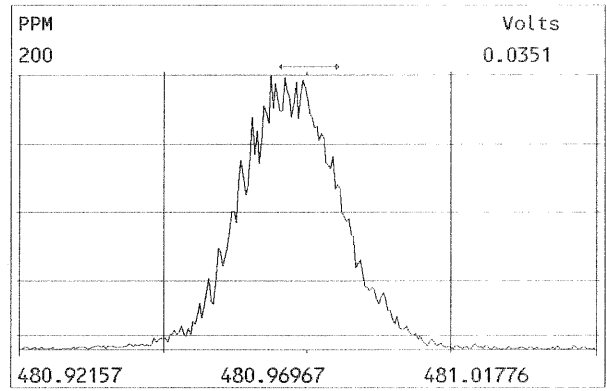


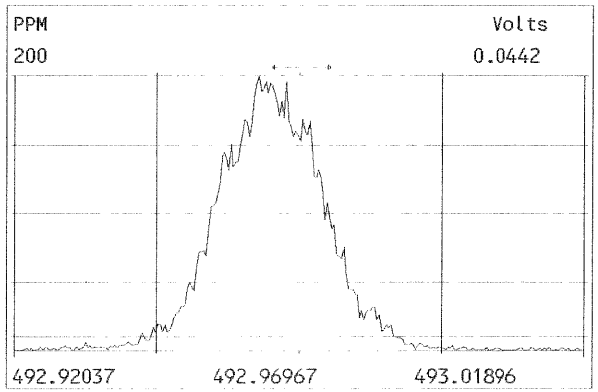


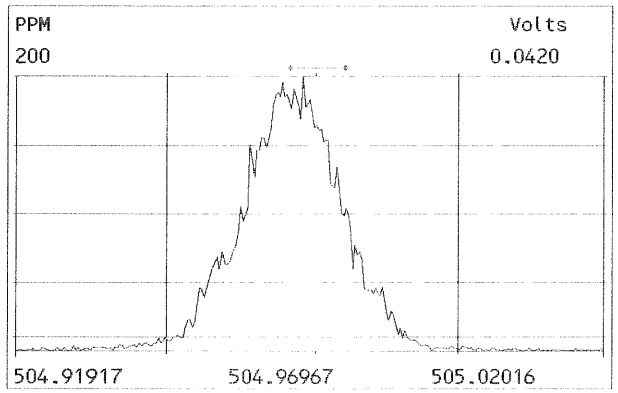


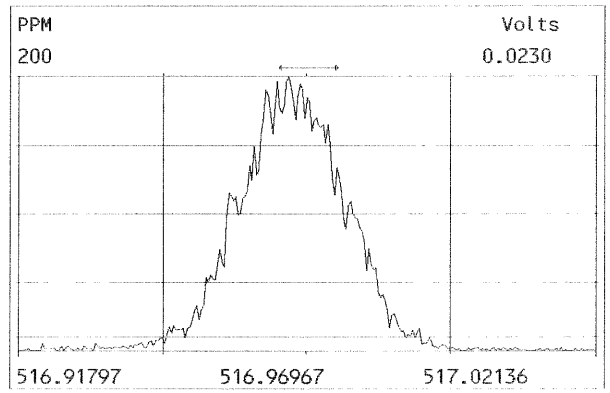












File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
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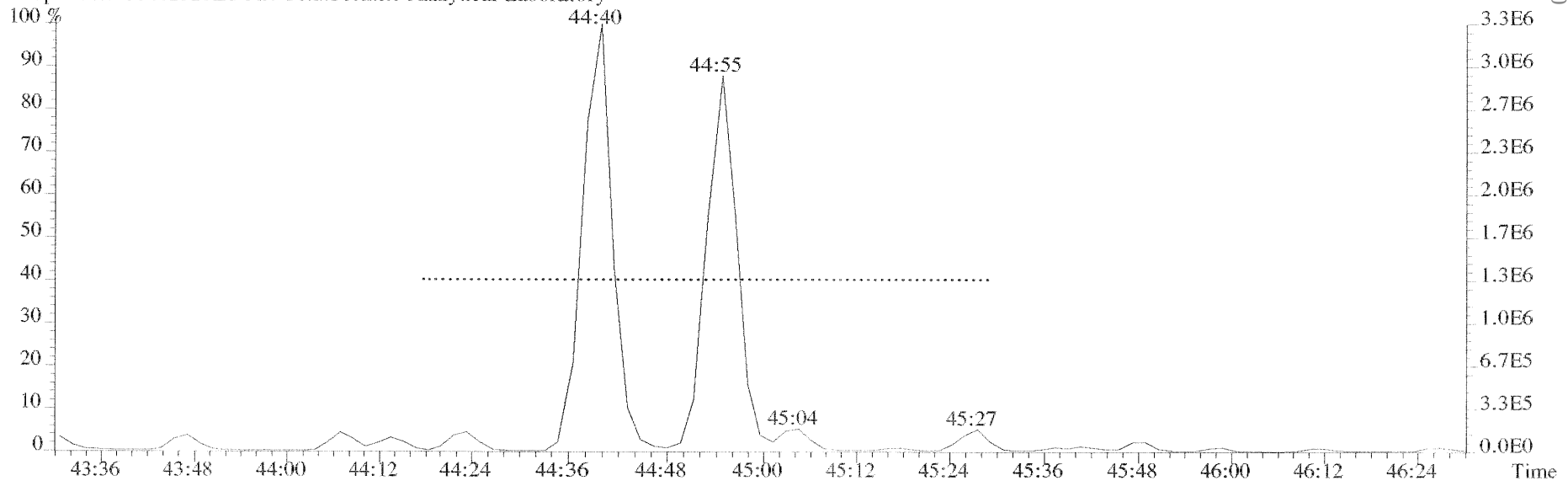

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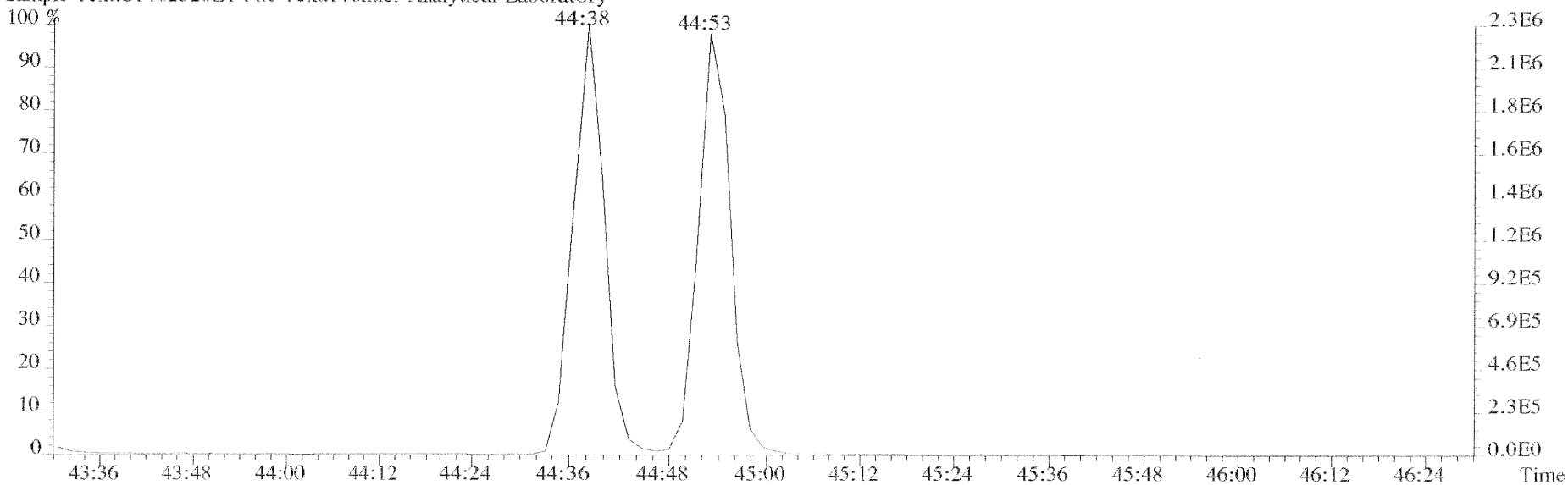

File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
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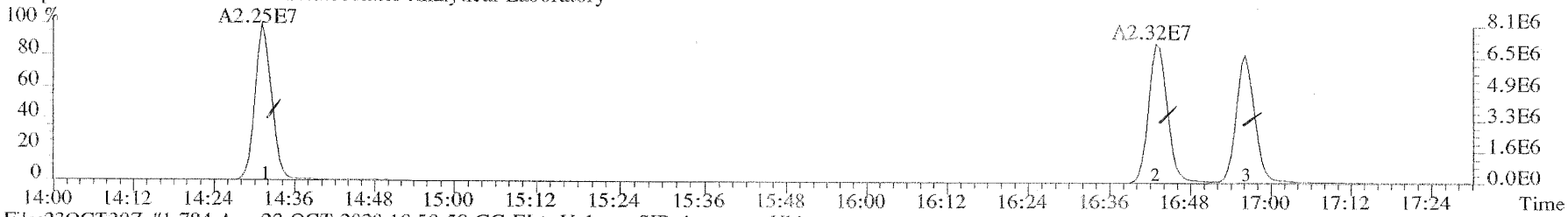
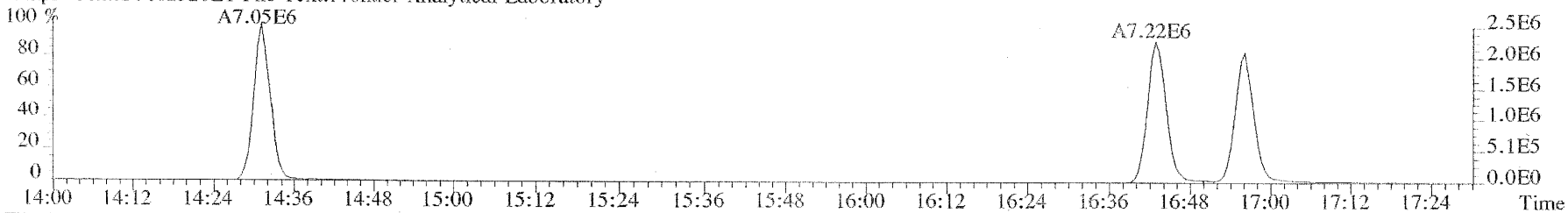
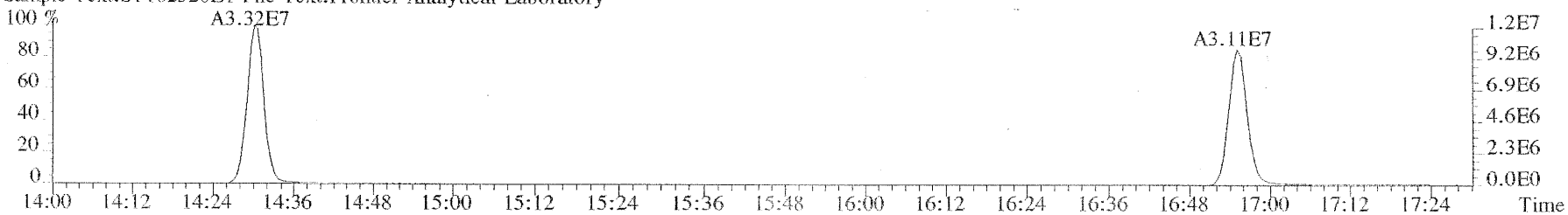
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



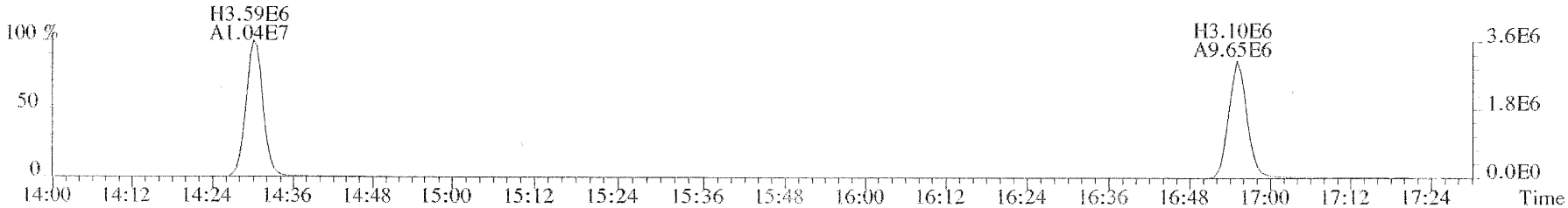
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



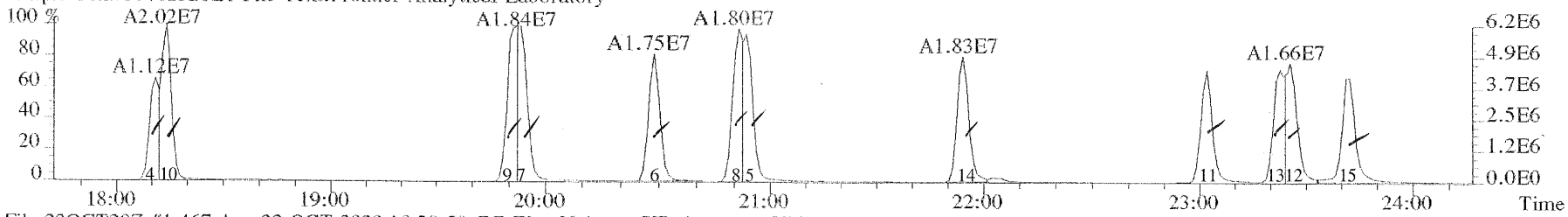
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



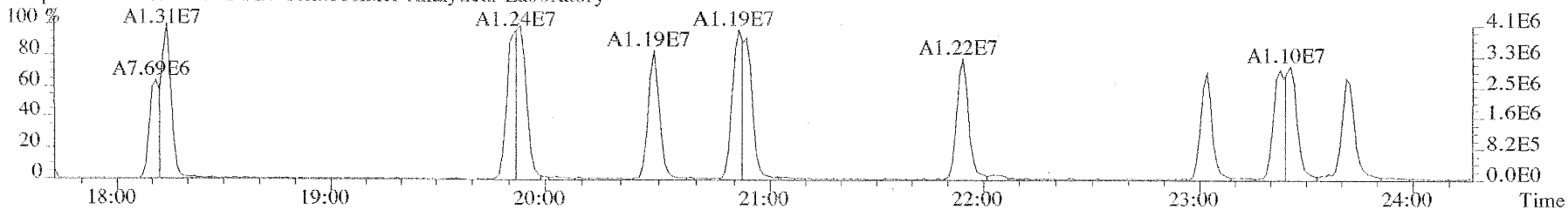
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



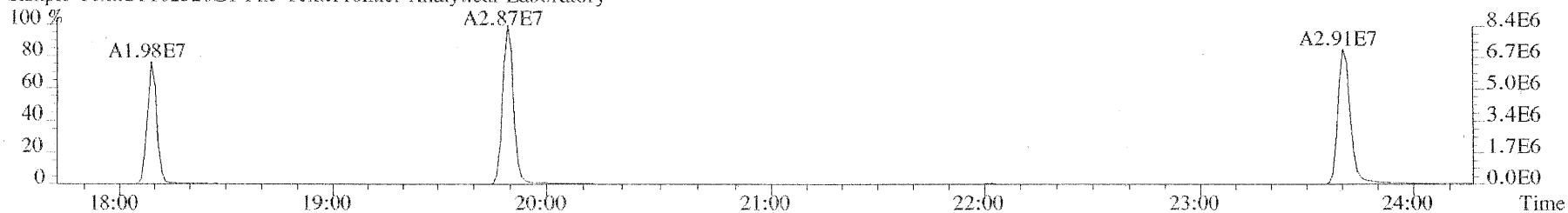
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



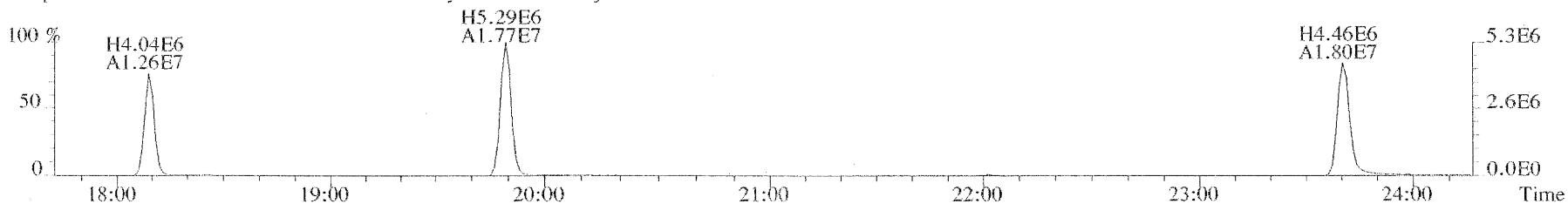
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



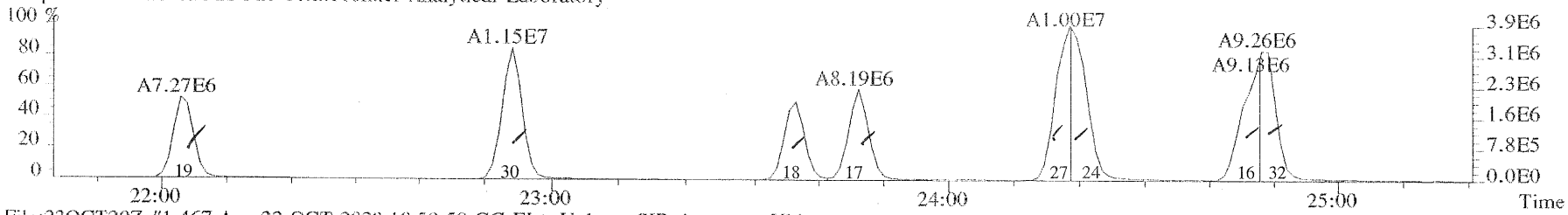
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



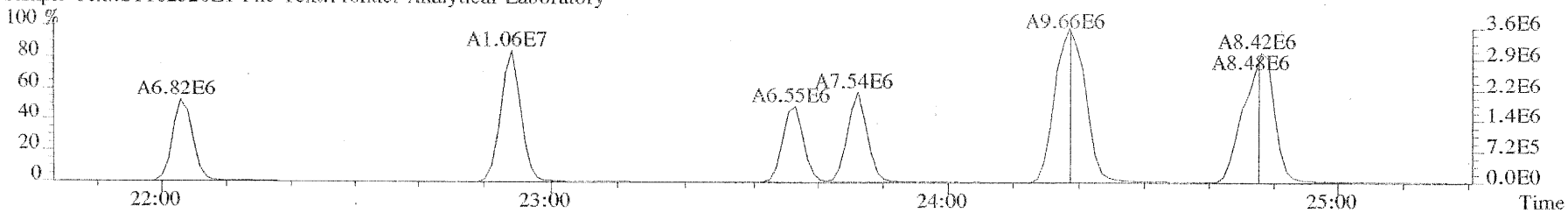
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



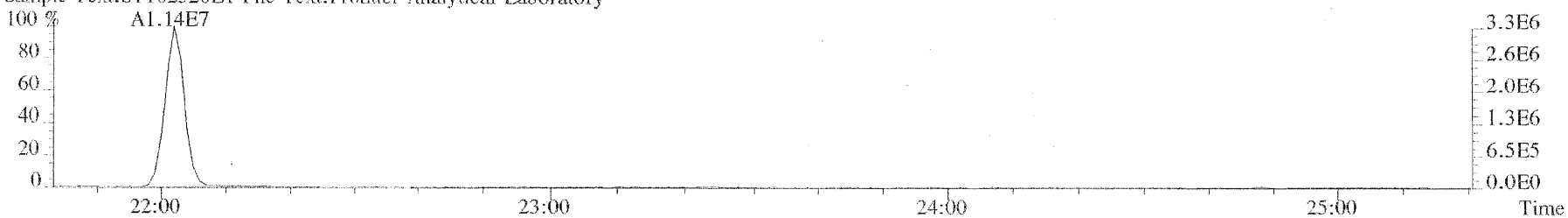
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



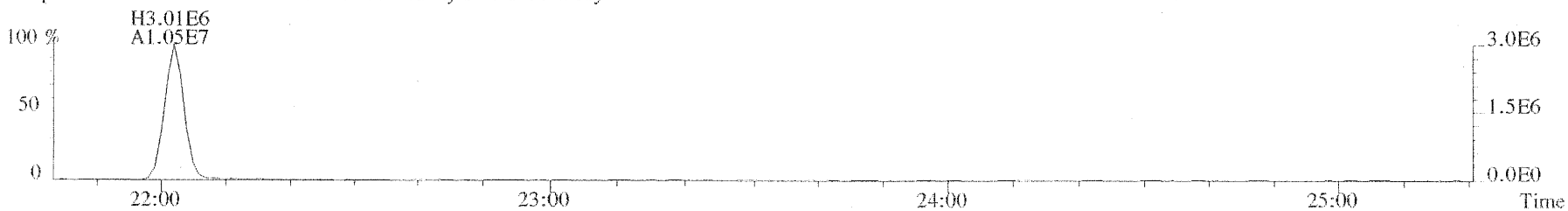
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



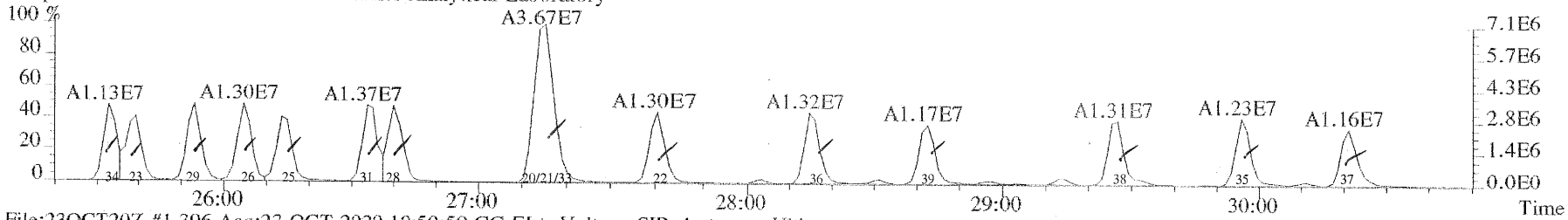
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



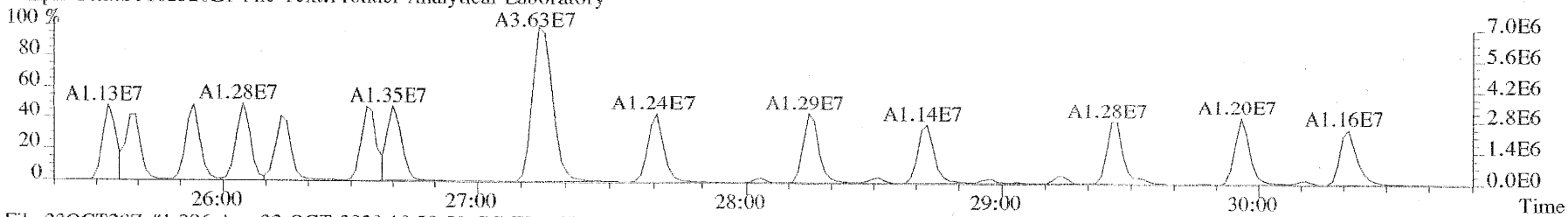
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



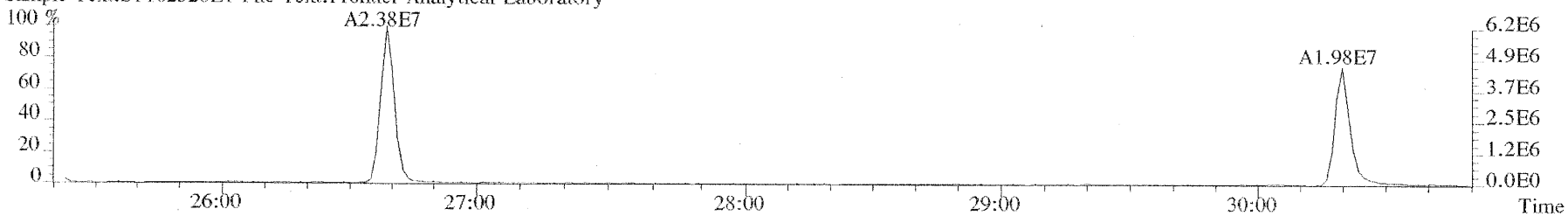
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



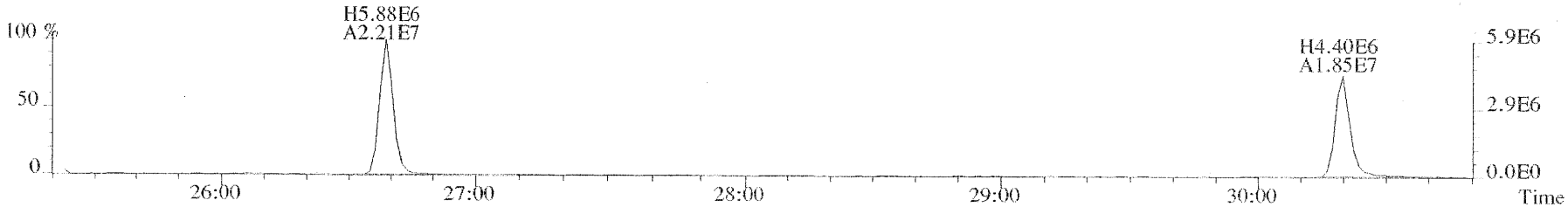
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



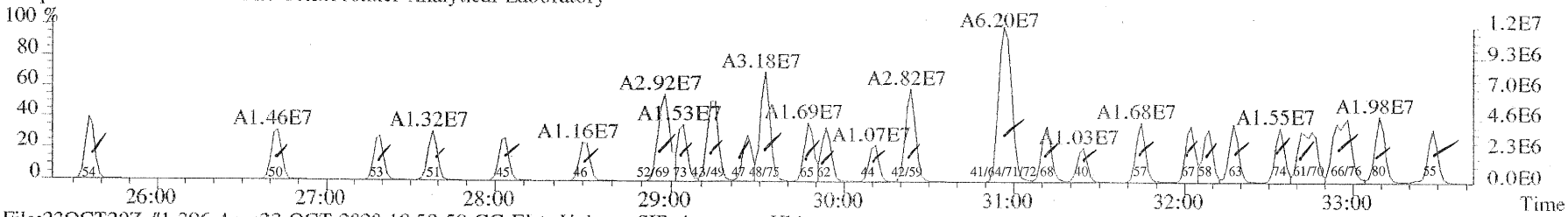
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



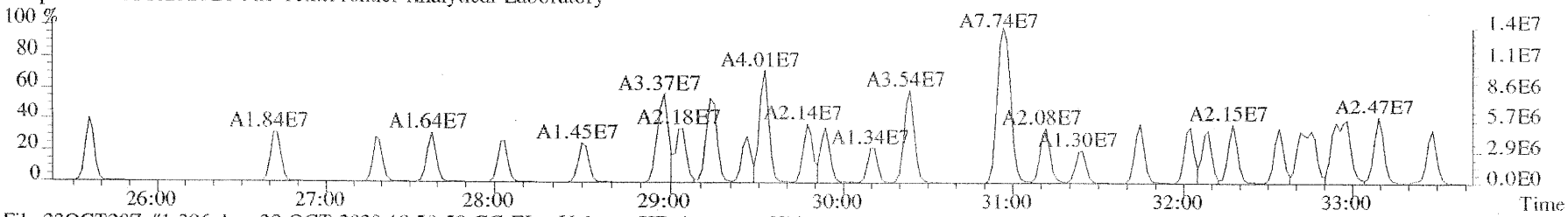
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



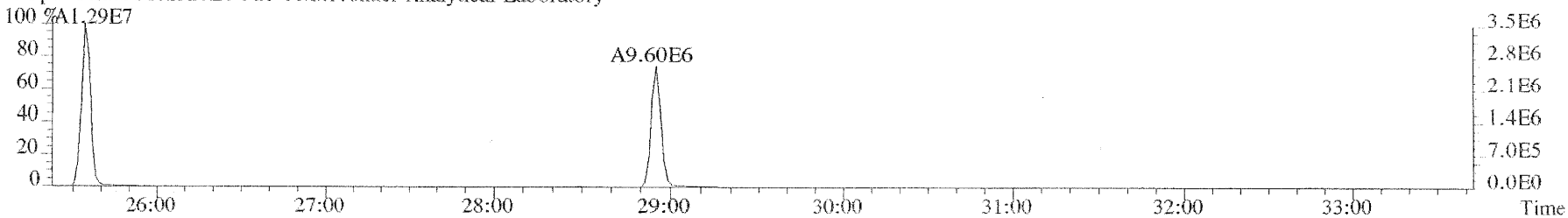
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



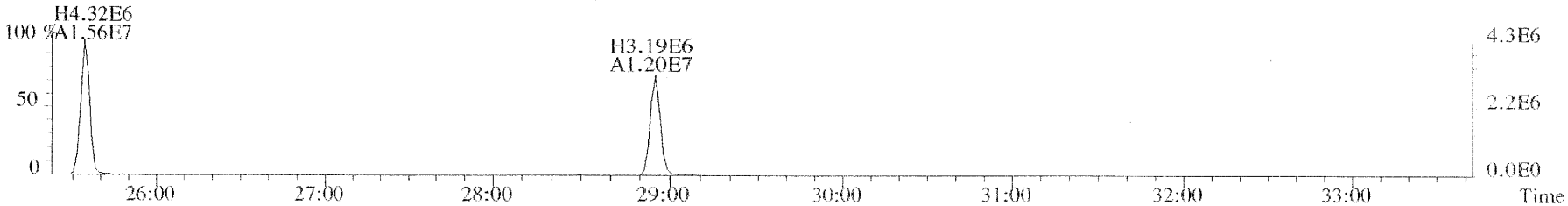
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



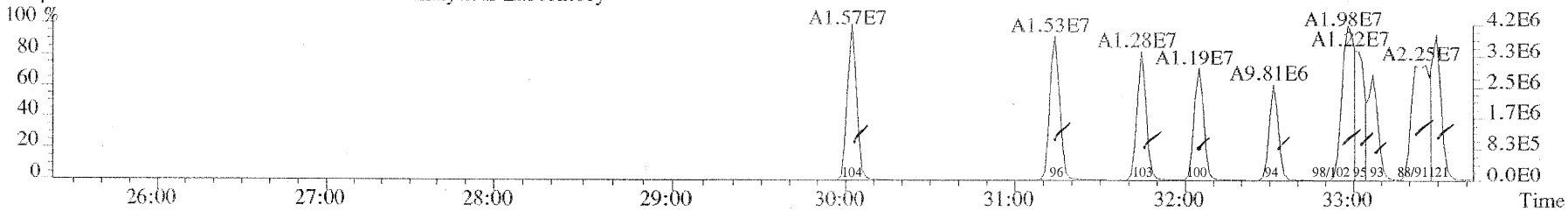
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



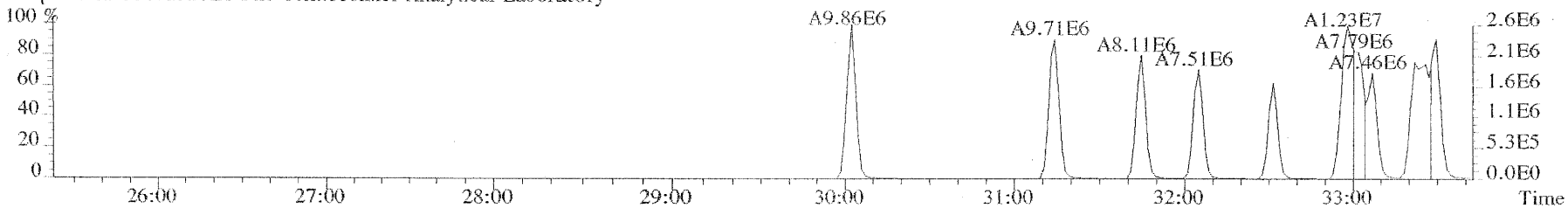
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



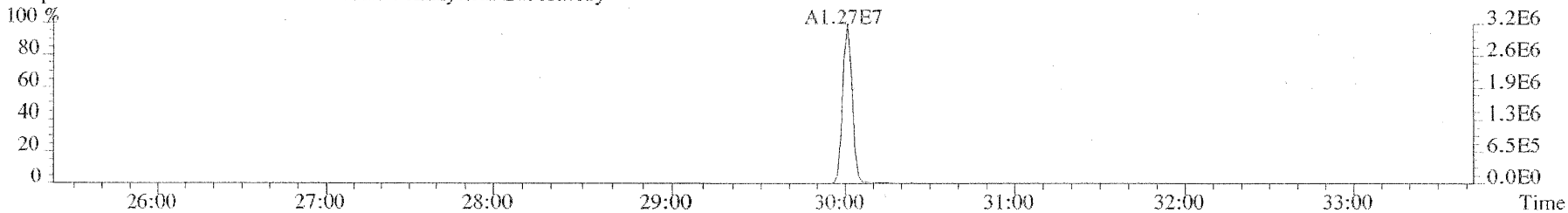
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



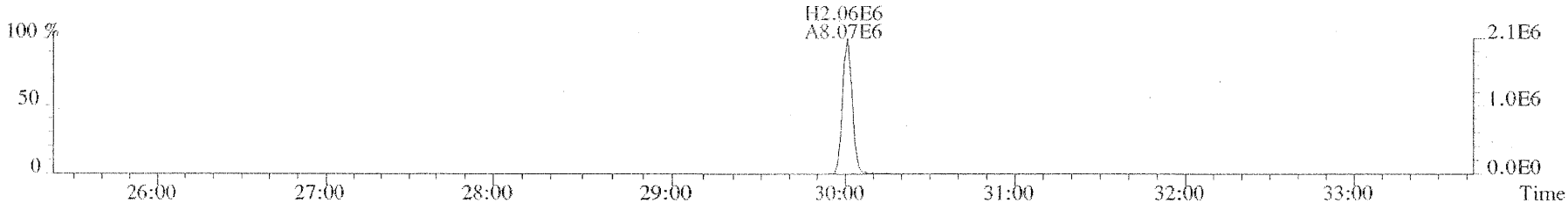
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



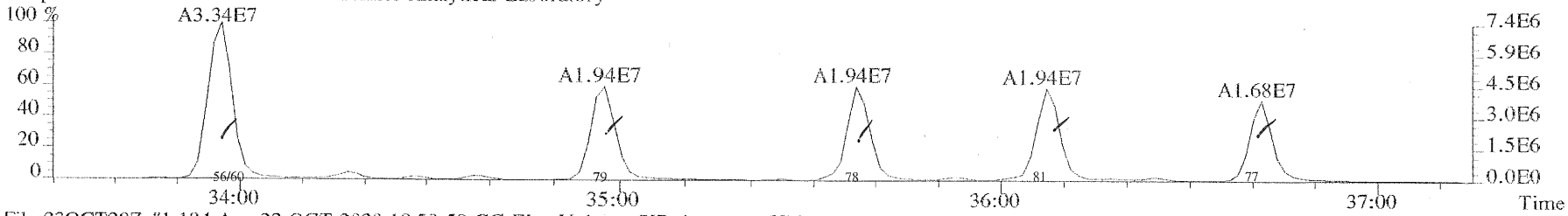
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



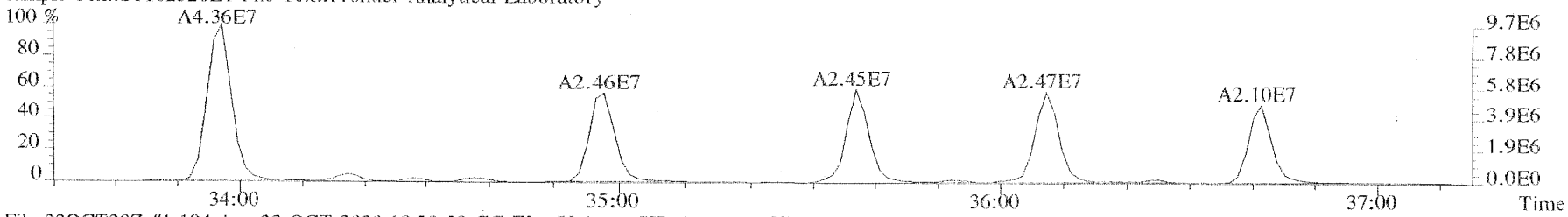
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



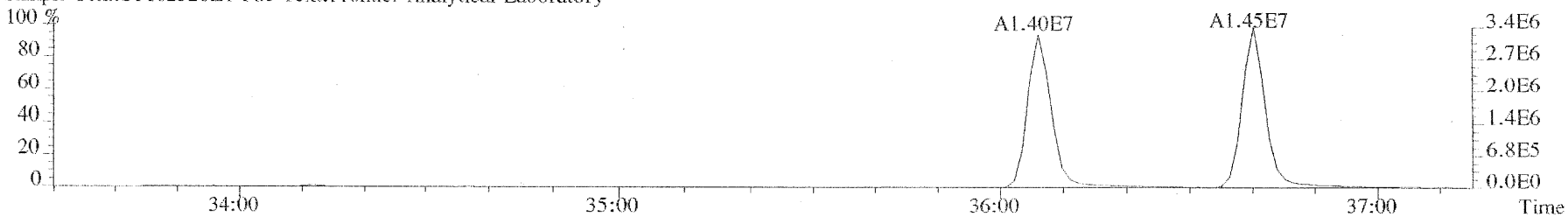
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



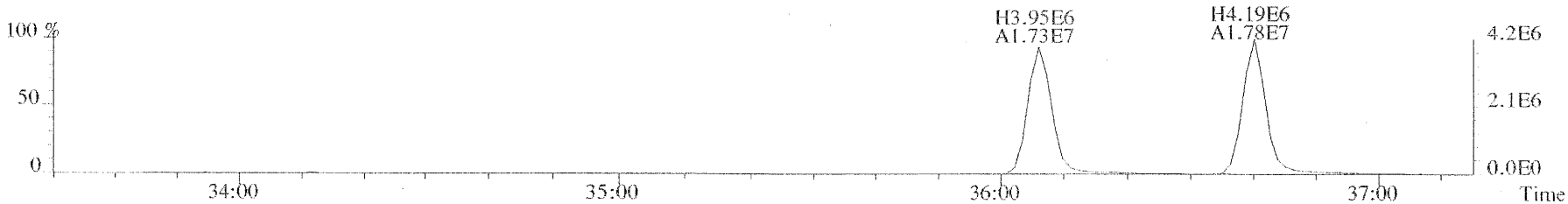
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



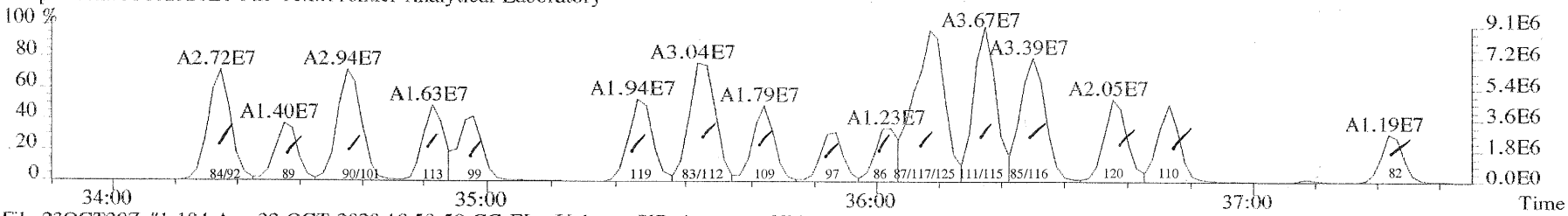
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



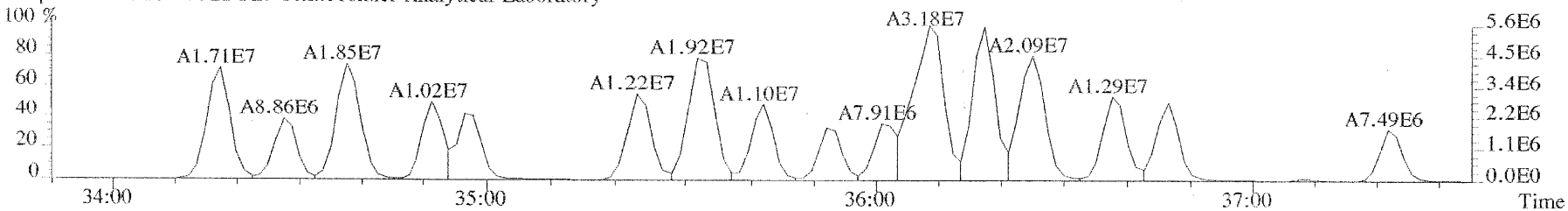
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



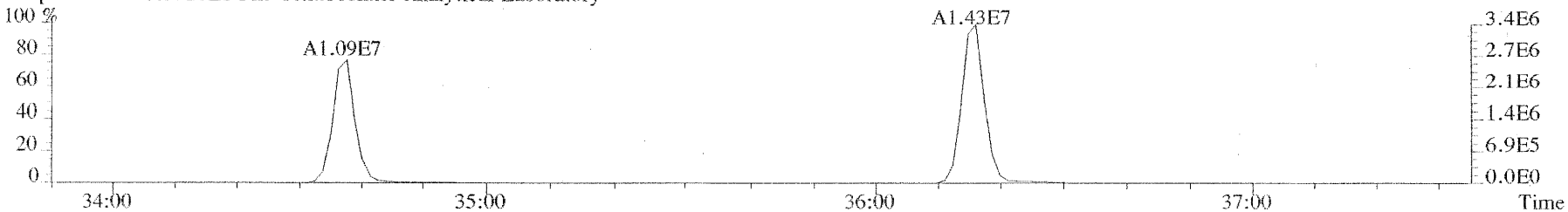
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



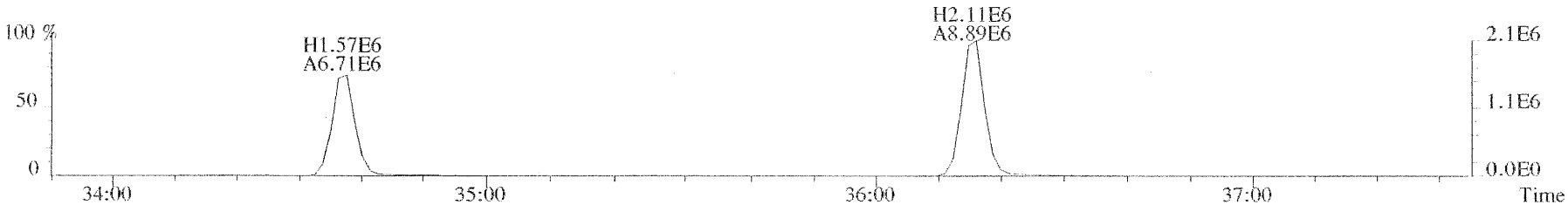
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



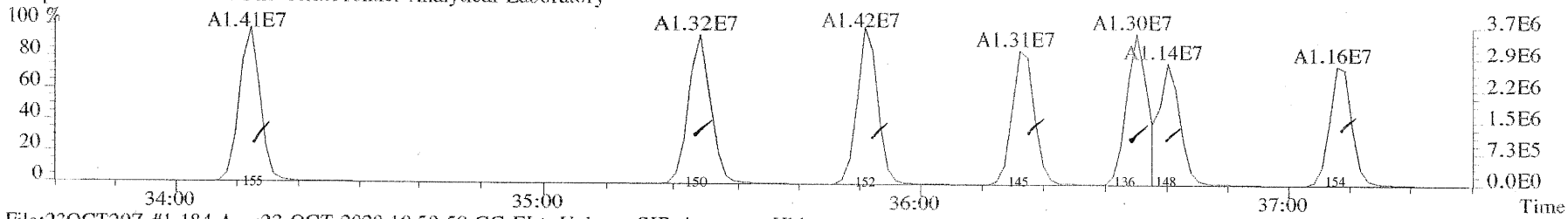
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



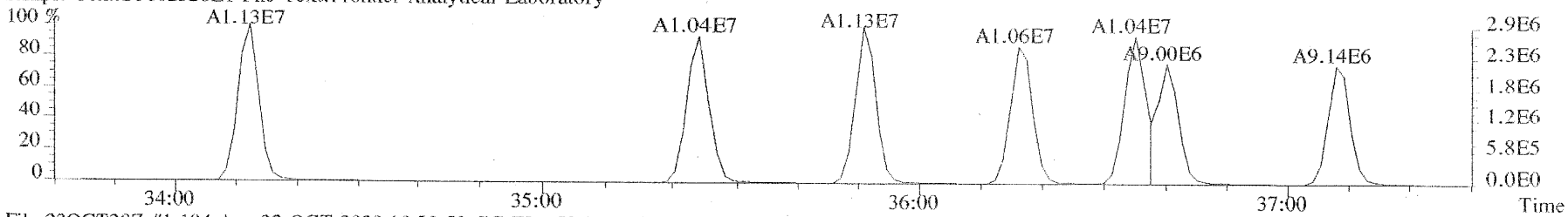
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



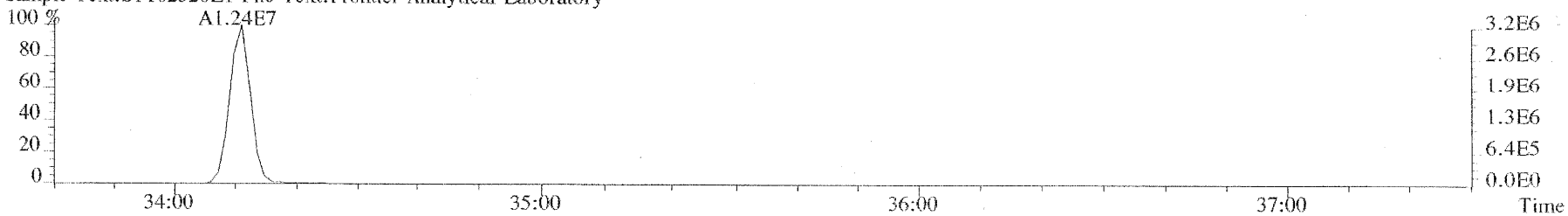
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



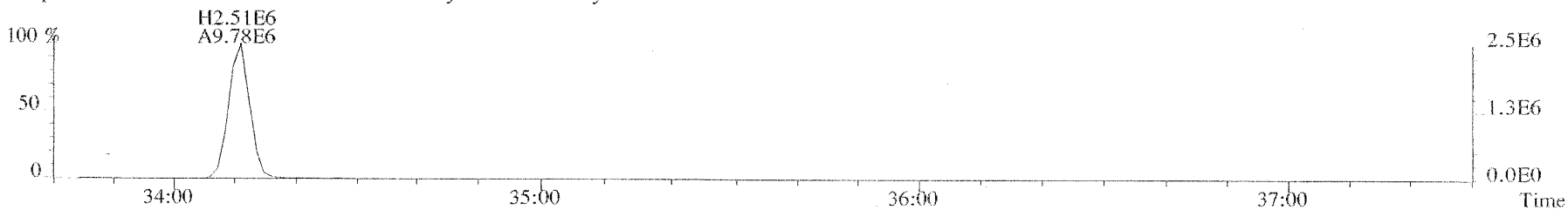
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



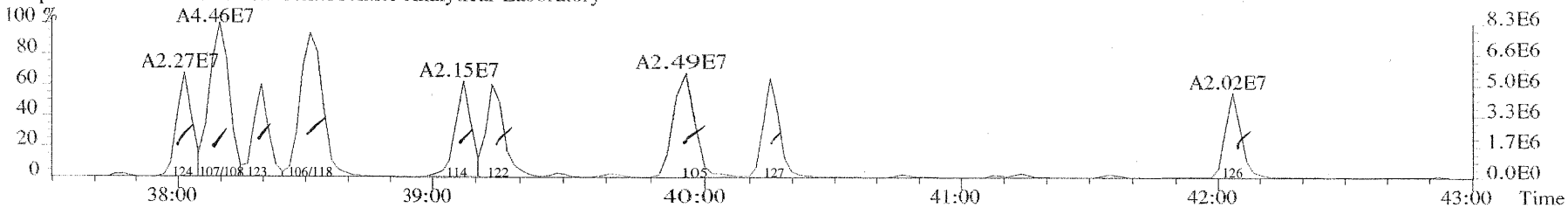
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



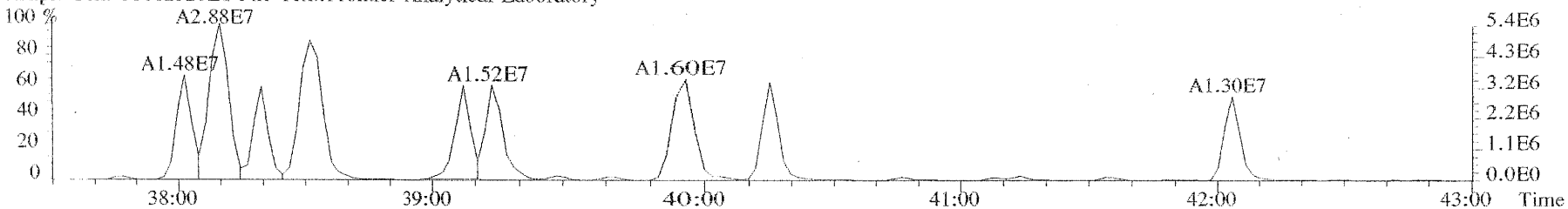
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



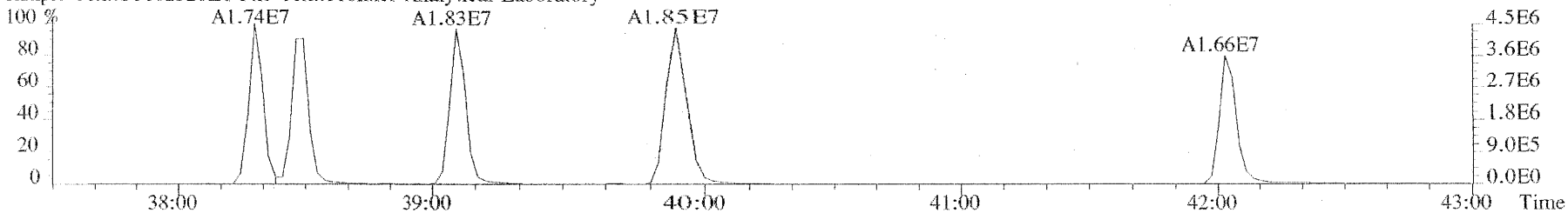
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



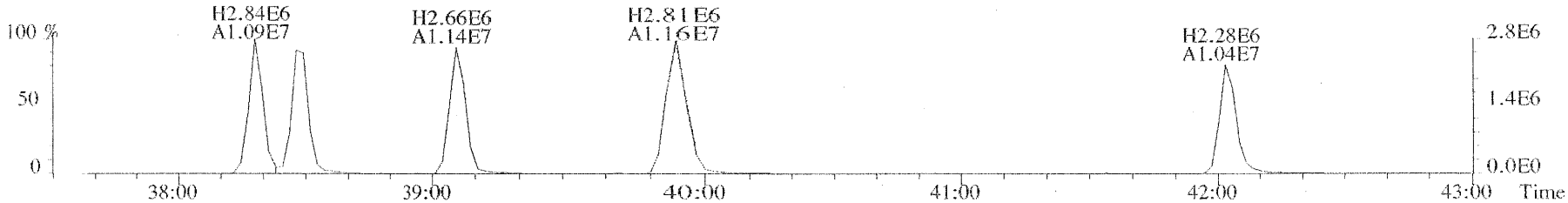
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



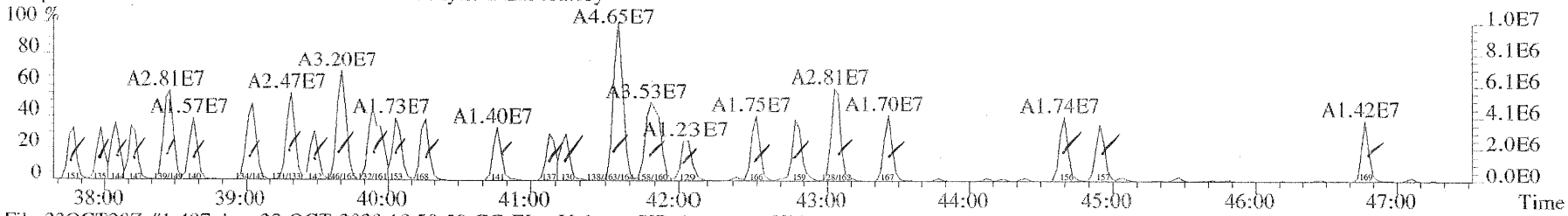
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



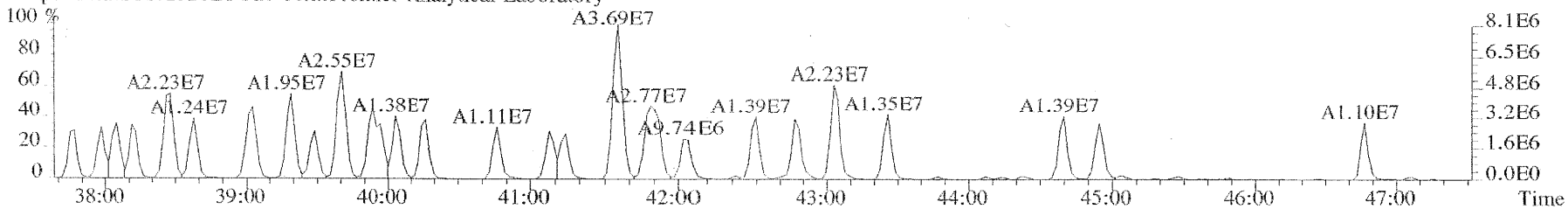
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



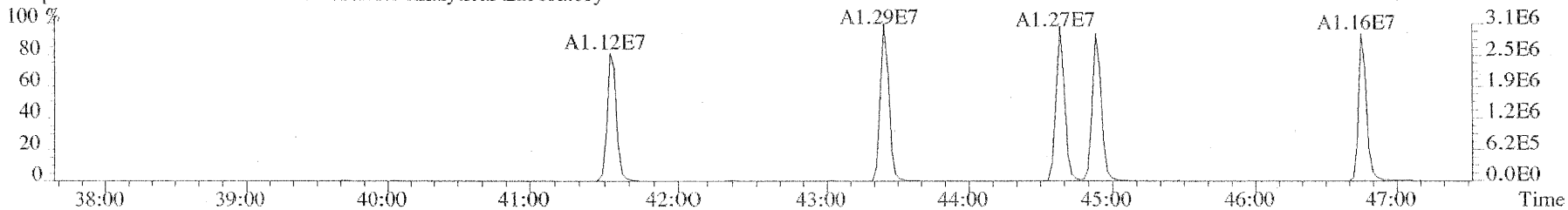
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



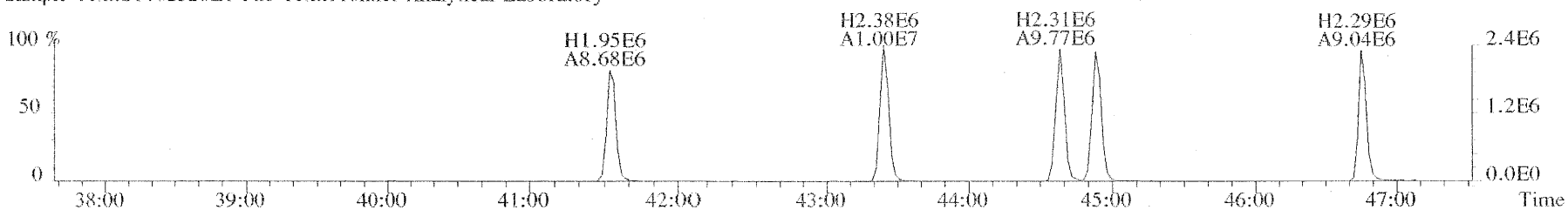
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



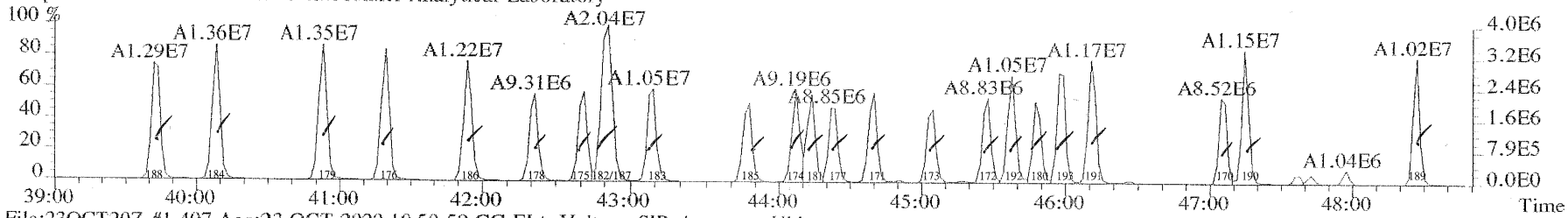
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



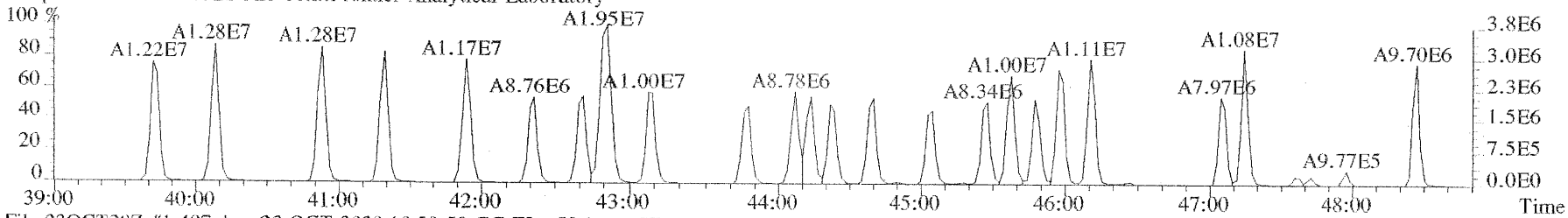
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



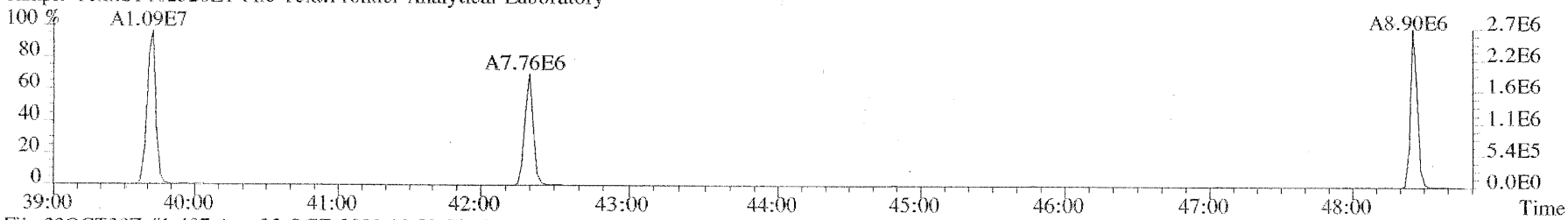
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



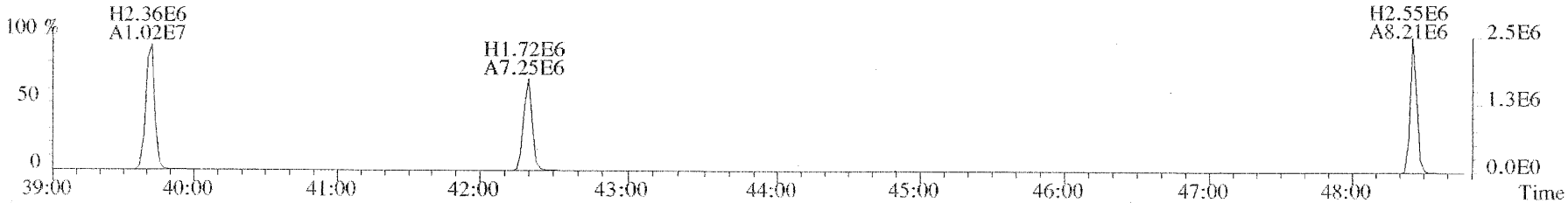
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



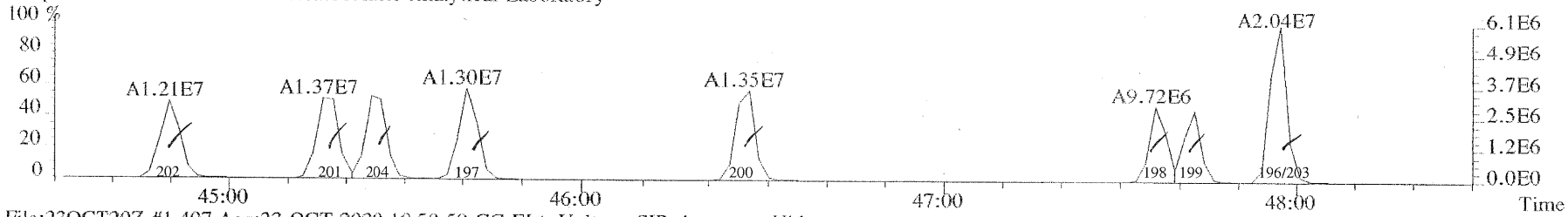
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



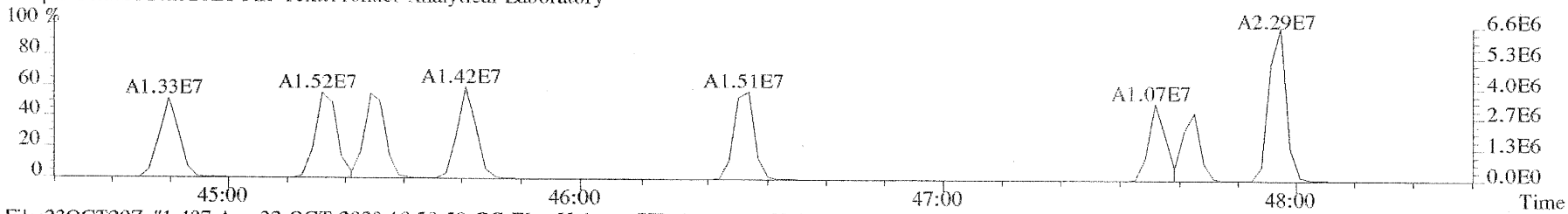
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



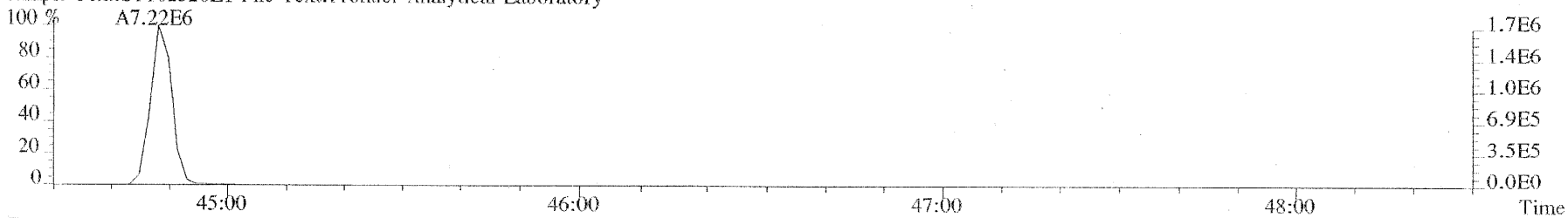
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



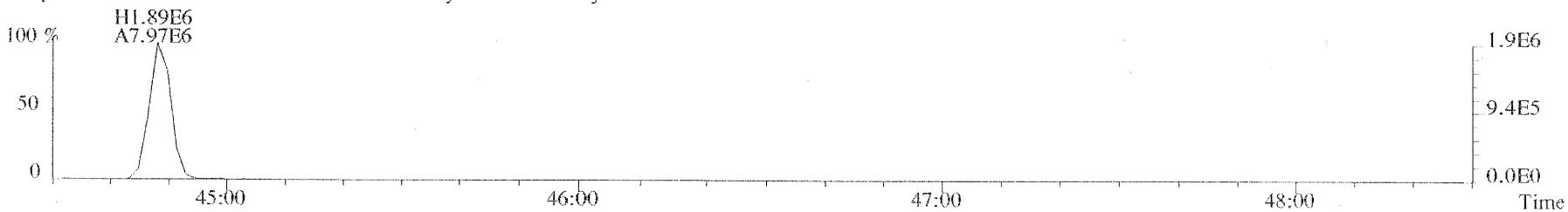
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



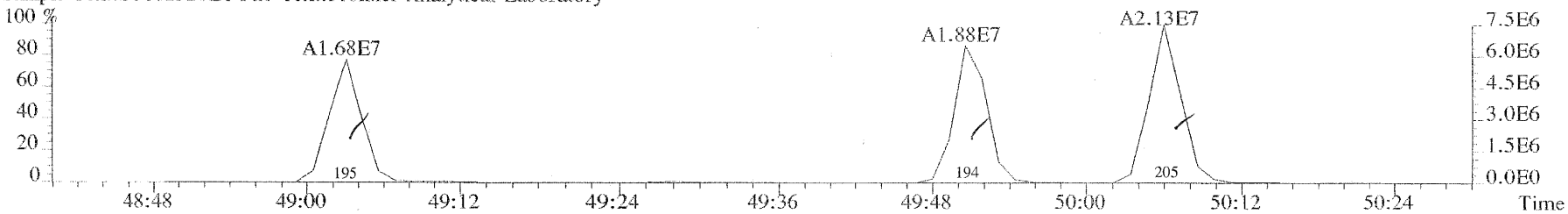
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



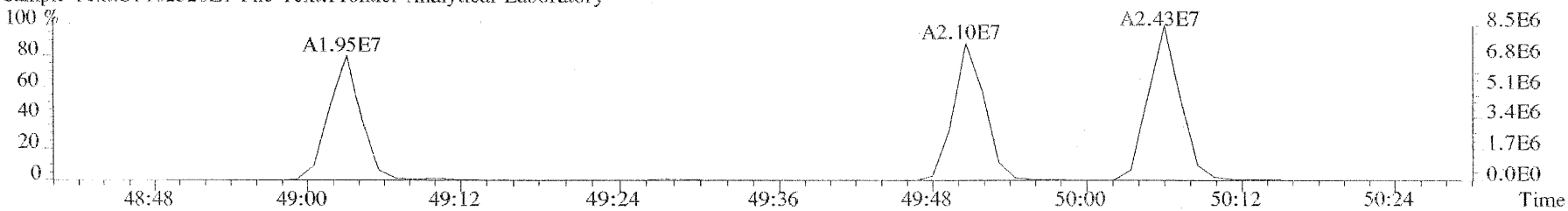
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



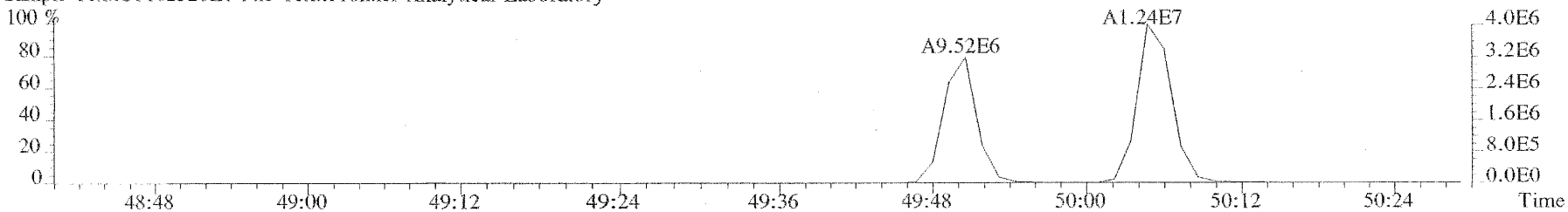
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



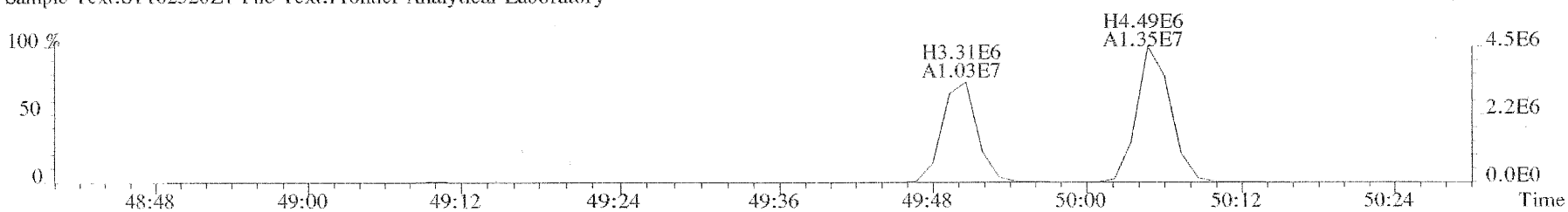
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



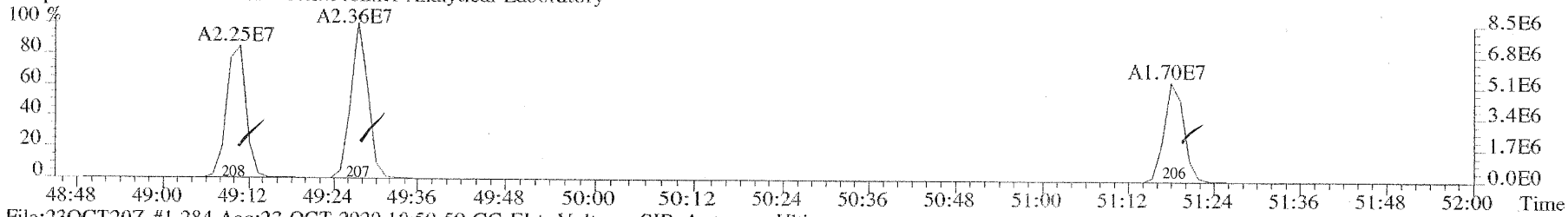
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



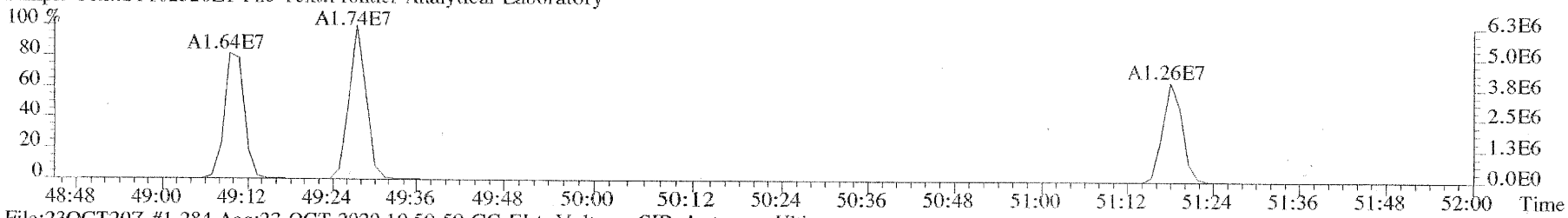
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



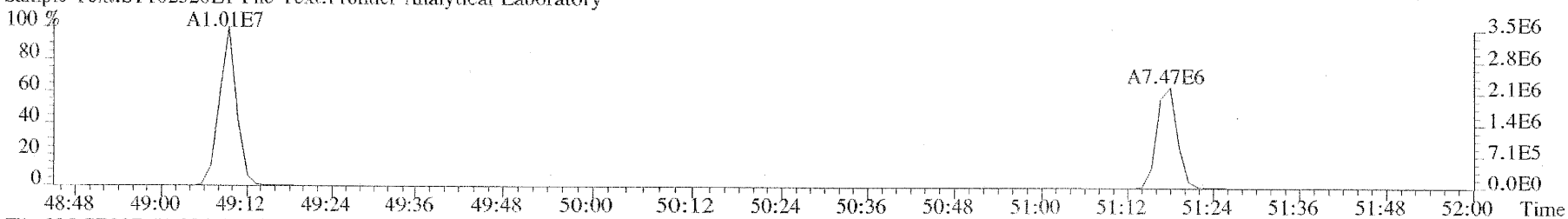
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



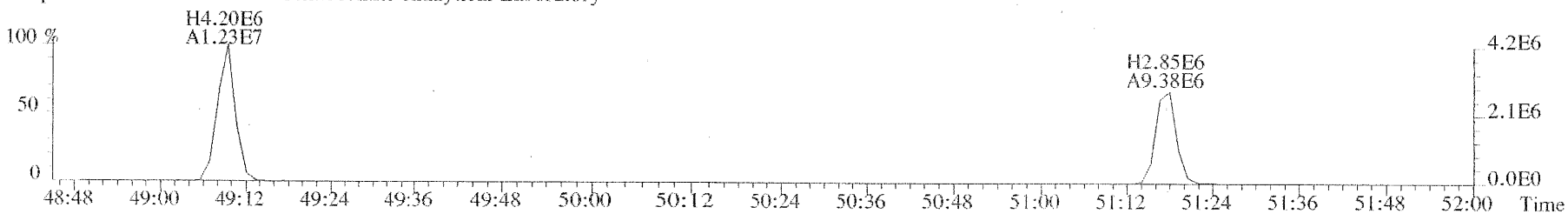
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



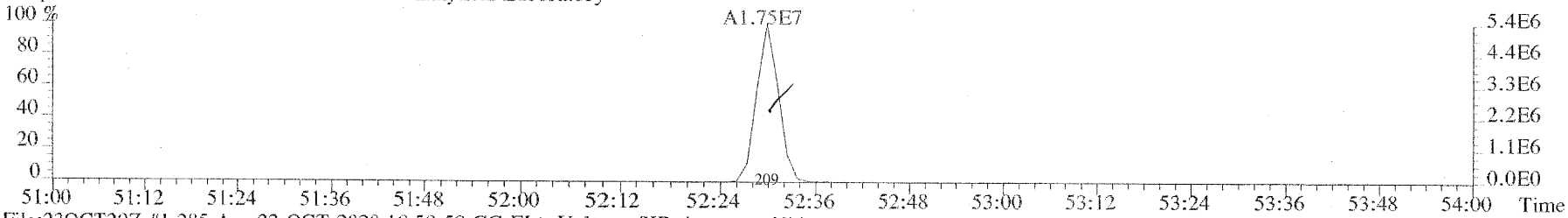
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



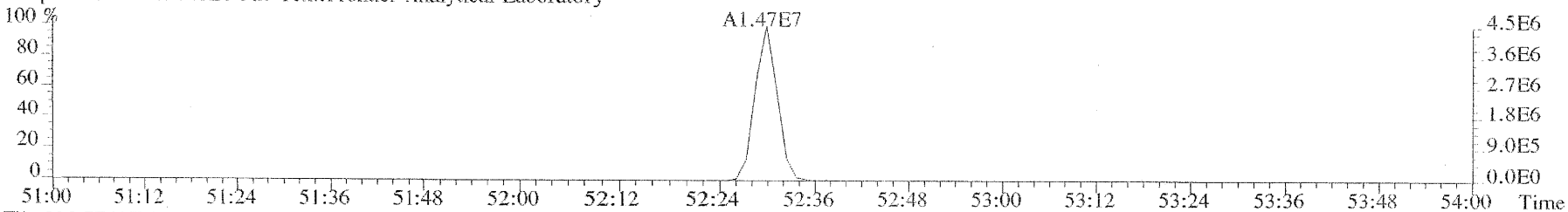
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



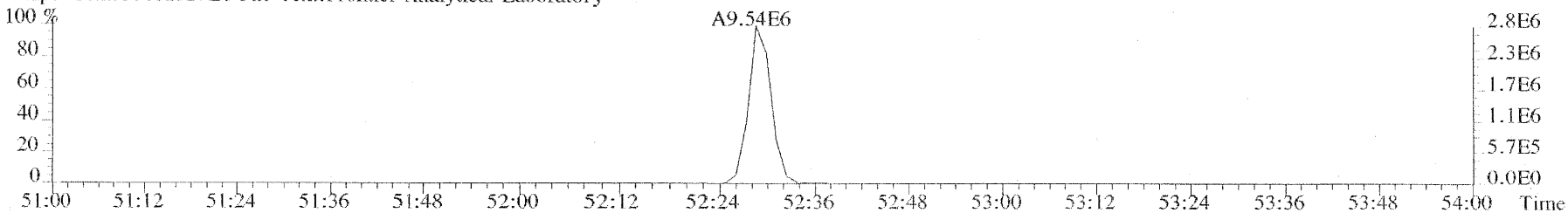
File:23OCT20Z #1-285 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



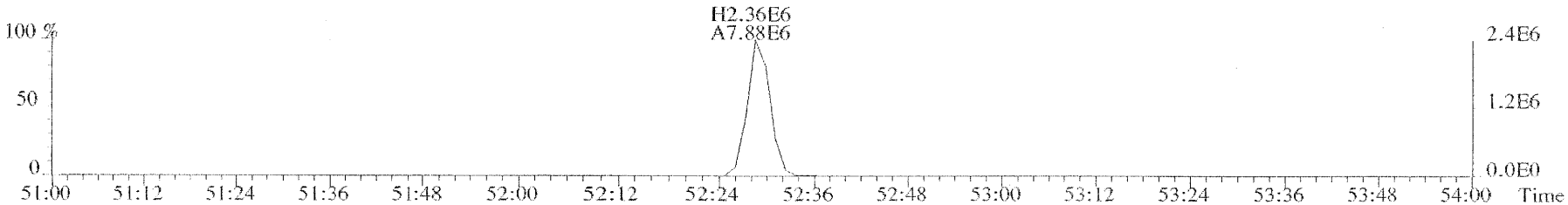
File:23OCT20Z #1-285 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



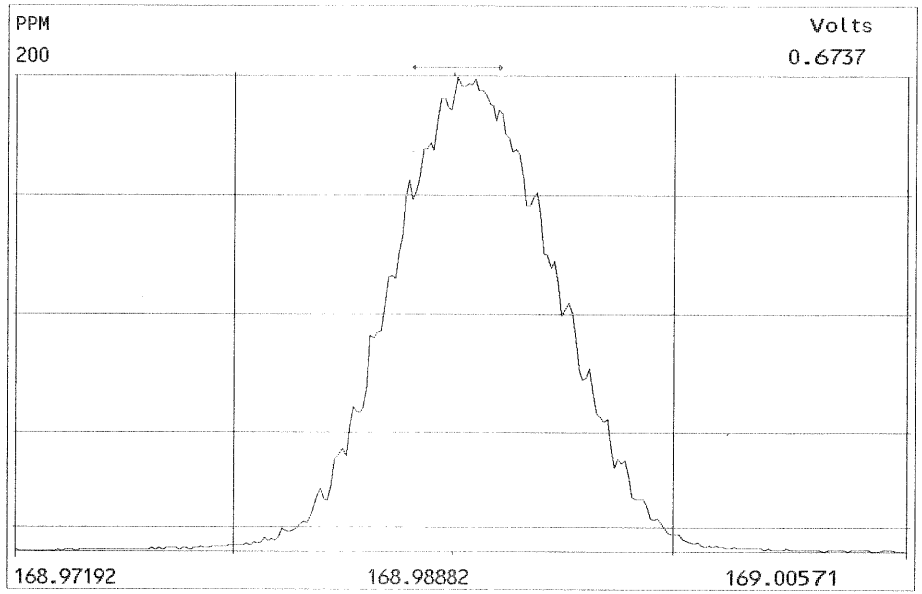
File:23OCT20Z #1-286 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory

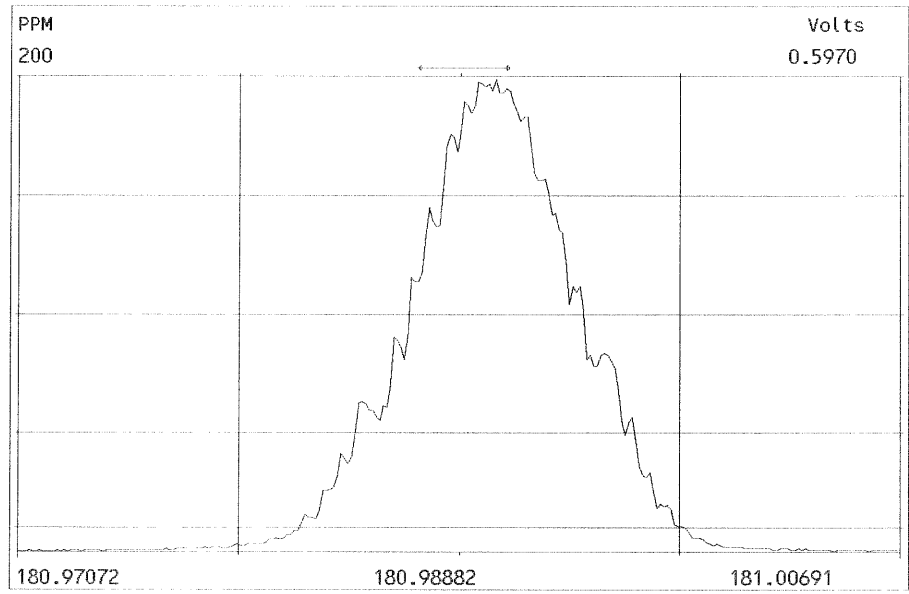


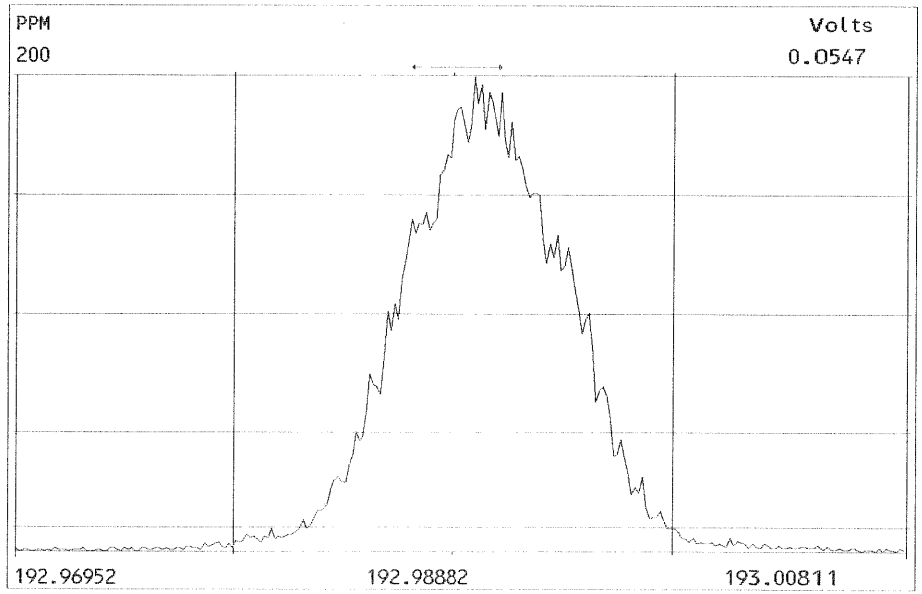
File:23OCT20Z #1-286 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory

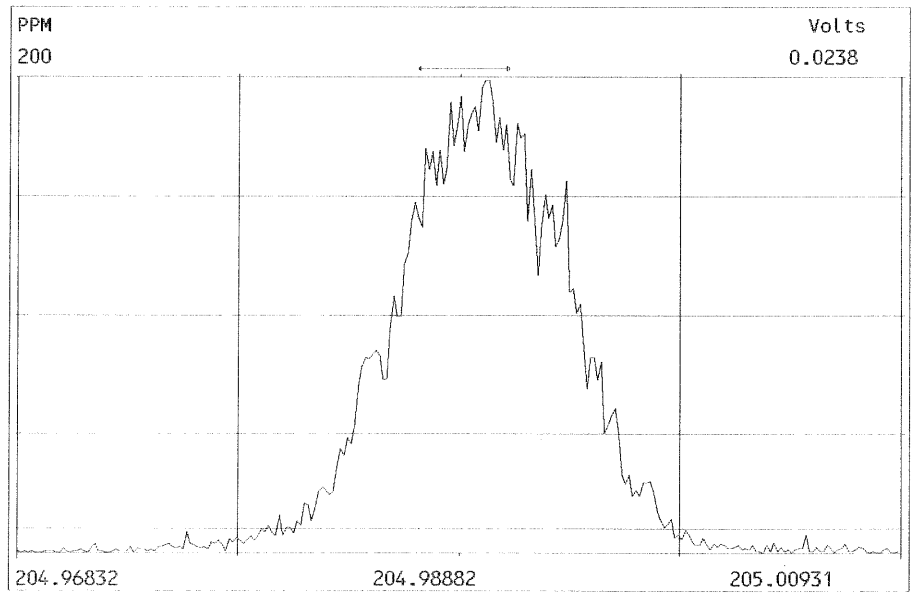


Peak Locate Examination:24-OCT-2020:01:55 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

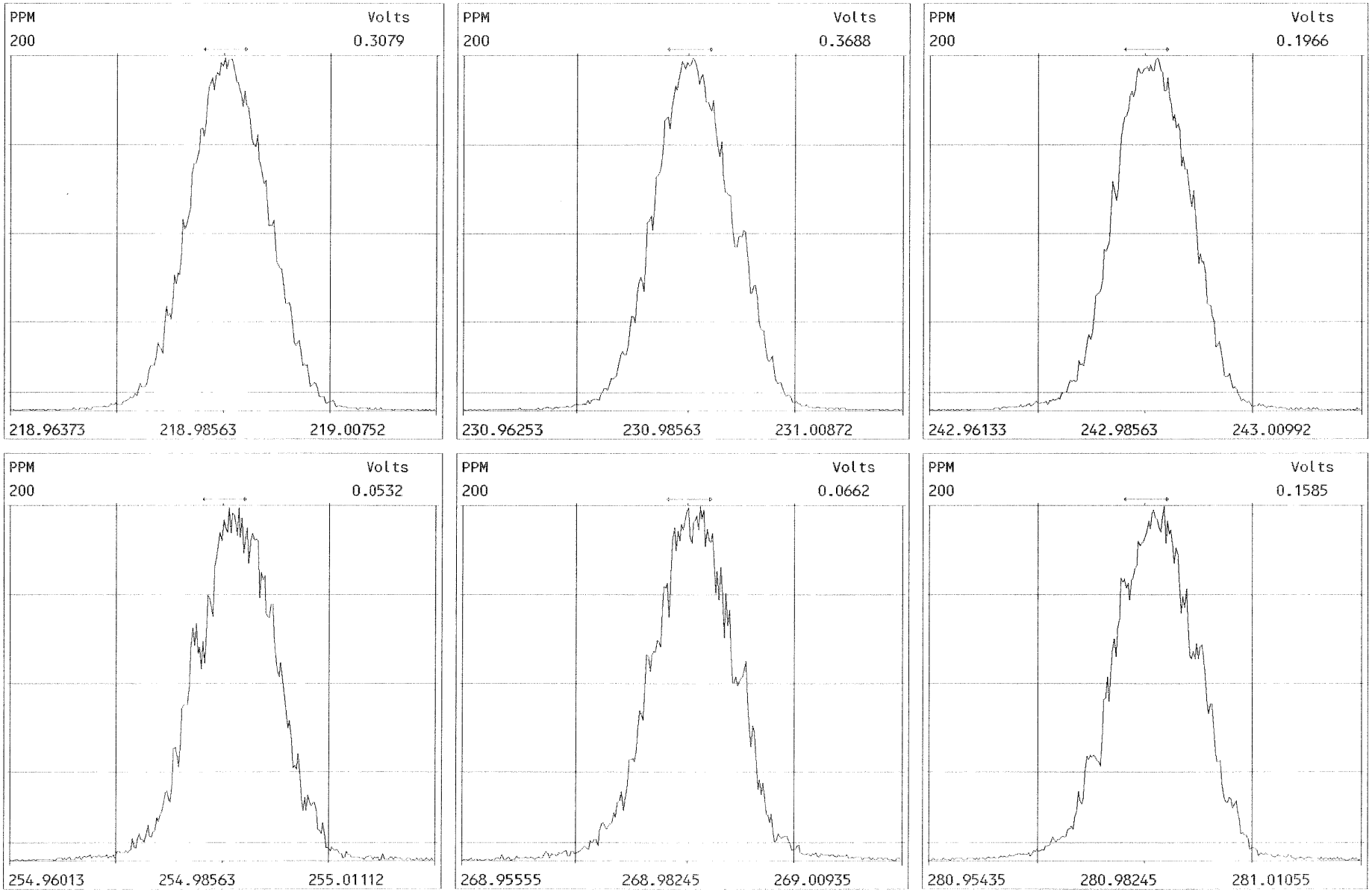




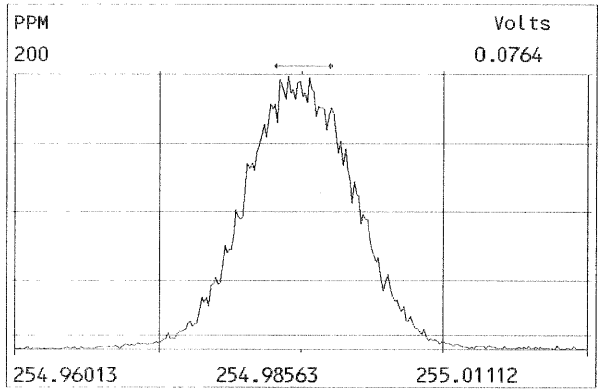


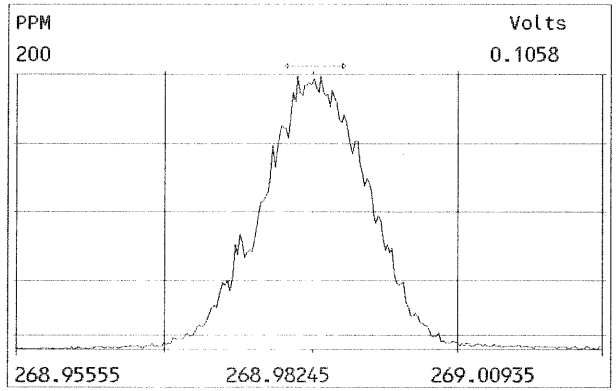


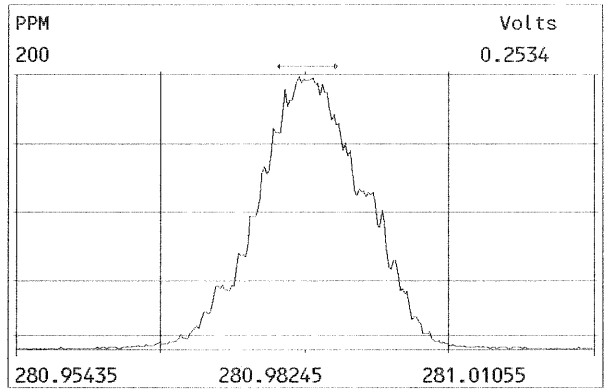
Peak Locate Examination:24-OCT-2020:01:58 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

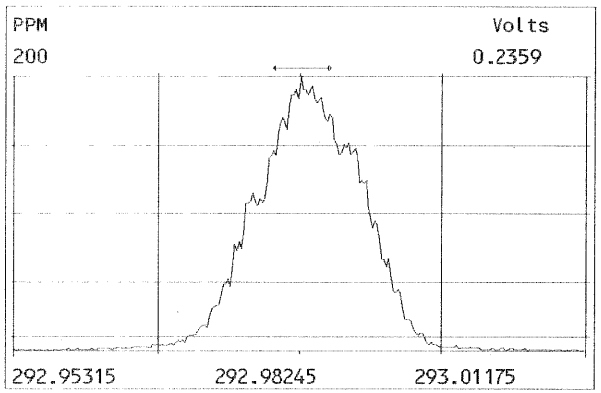


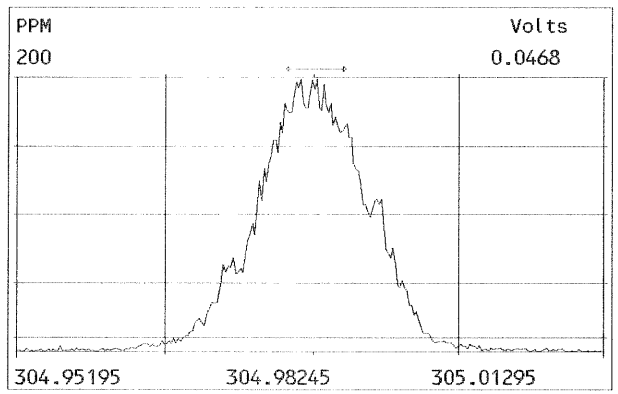
Peak Locate Examination:24-OCT-2020:02:00 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

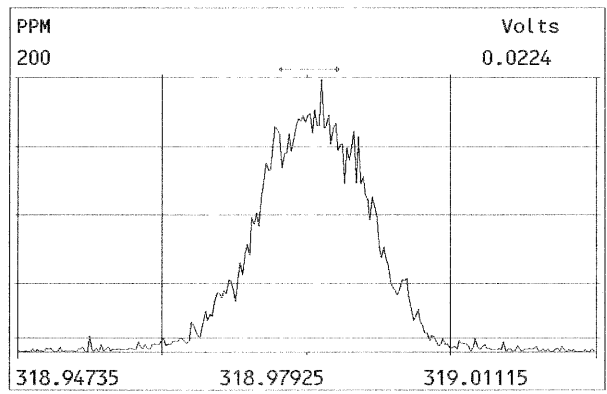


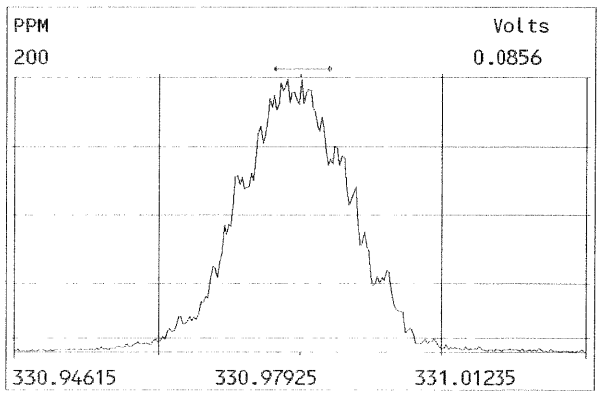


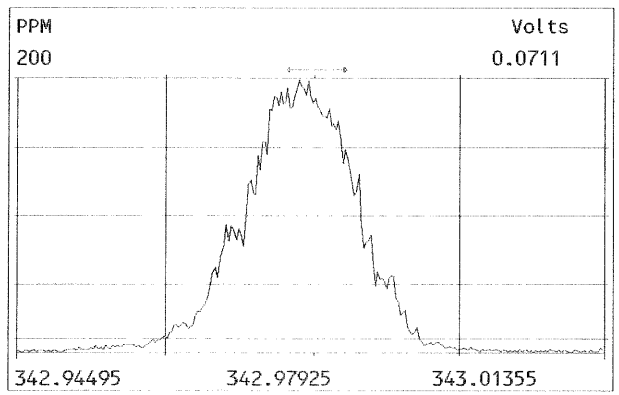




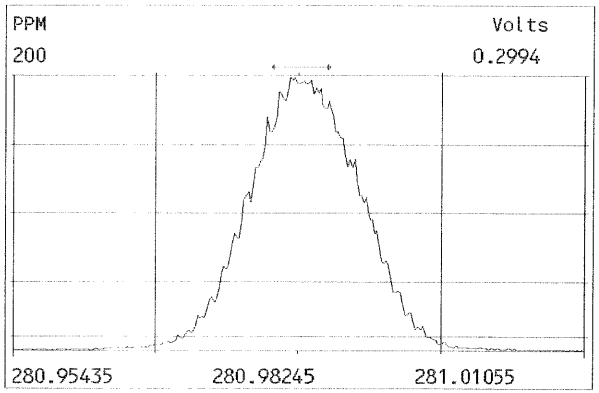


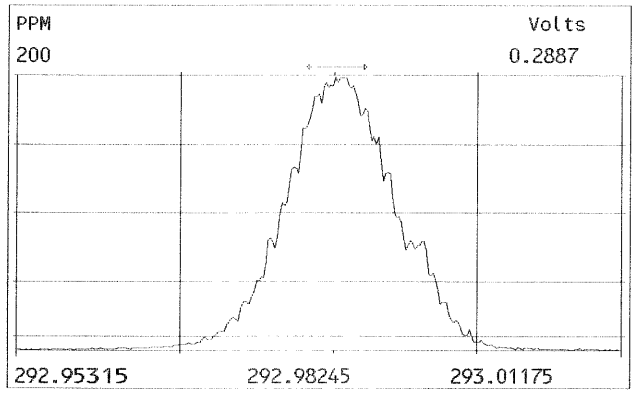


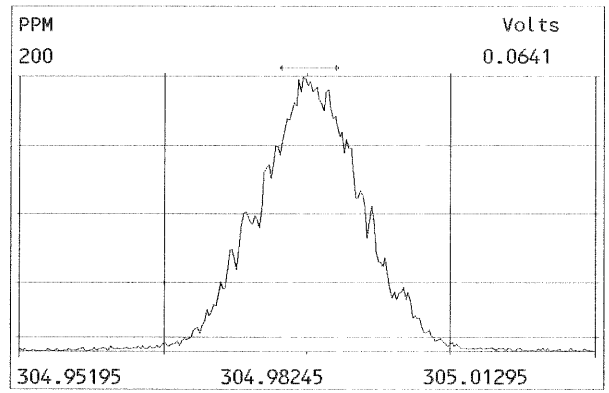


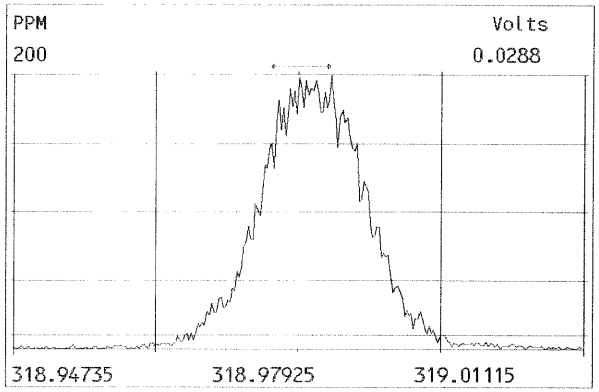


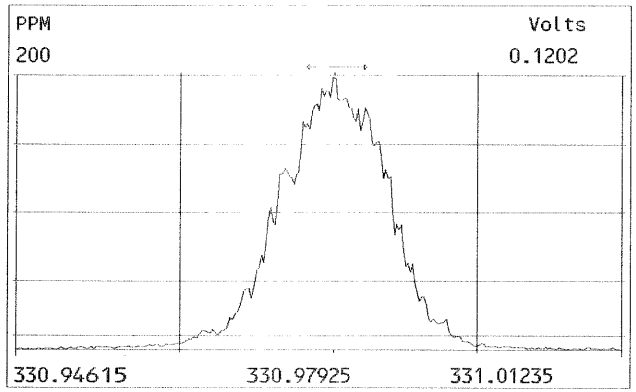
Peak Locate Examination:24-OCT-2020:02:02 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

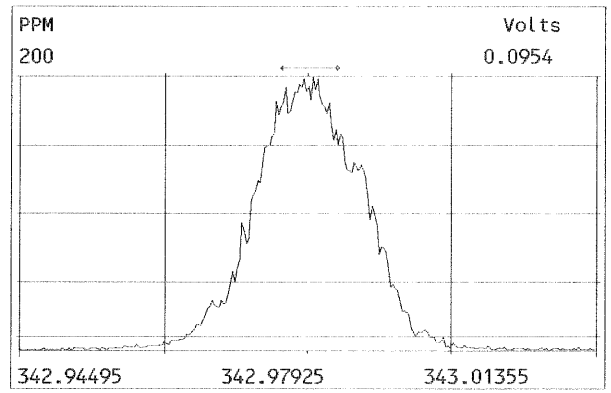


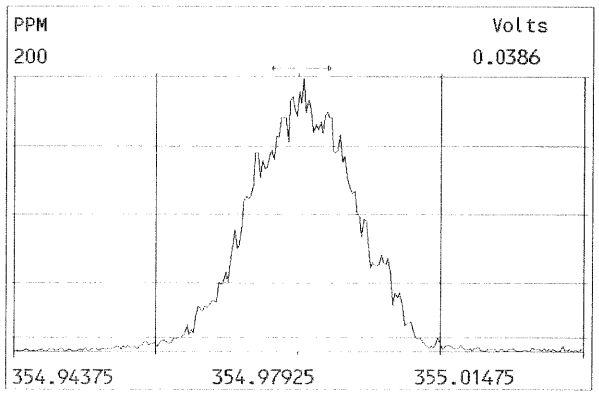


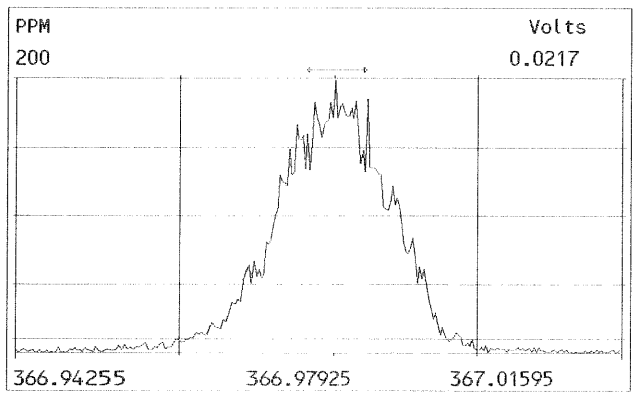


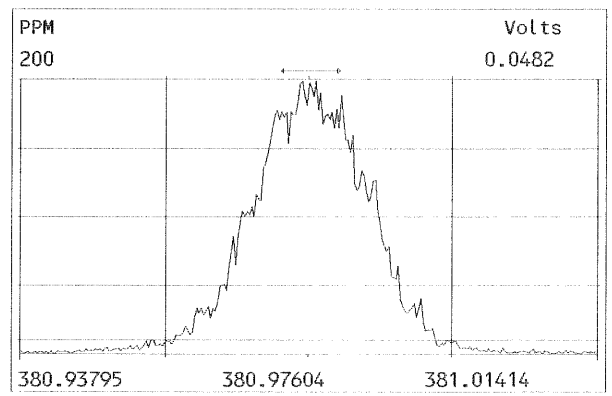




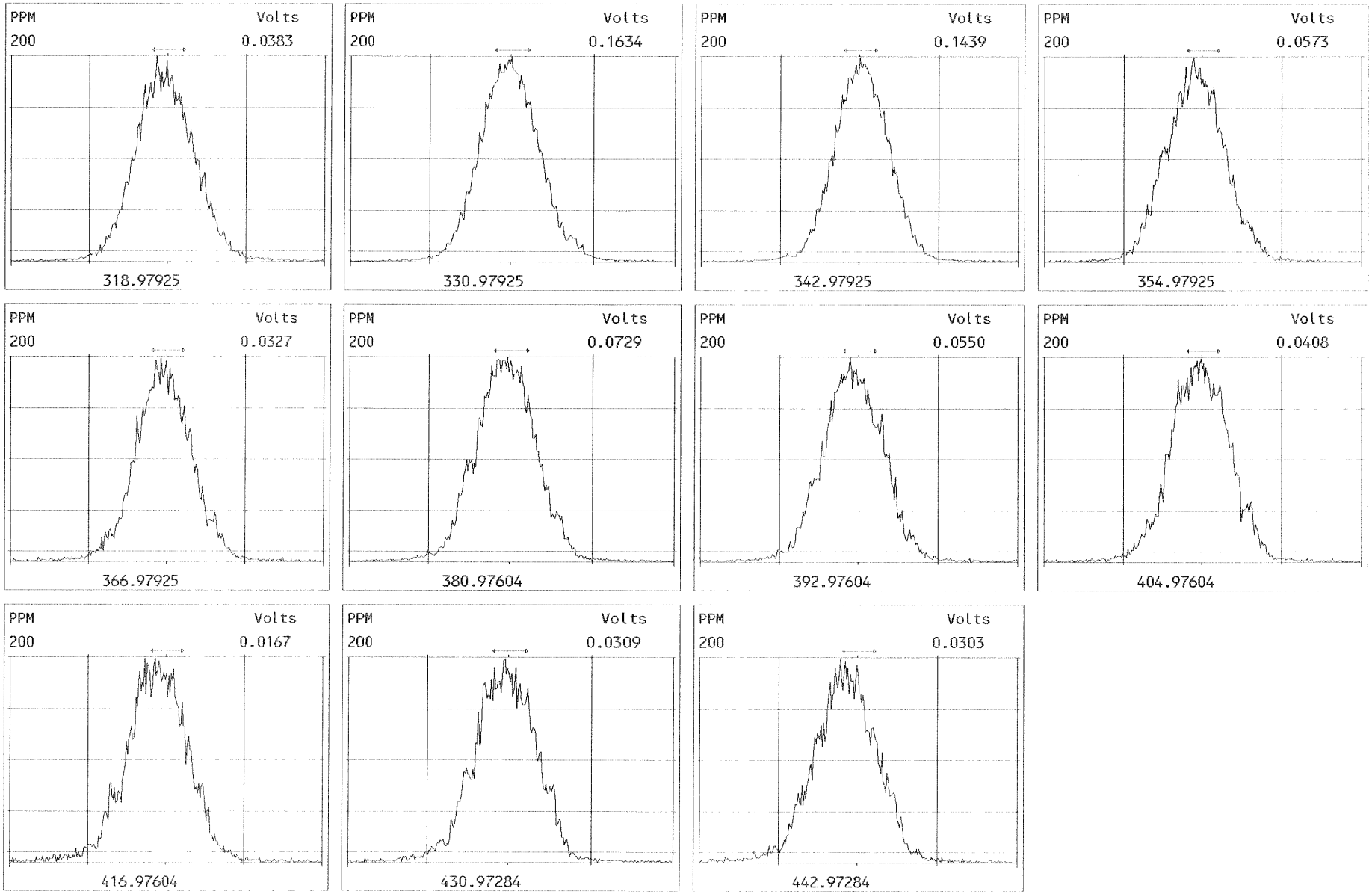




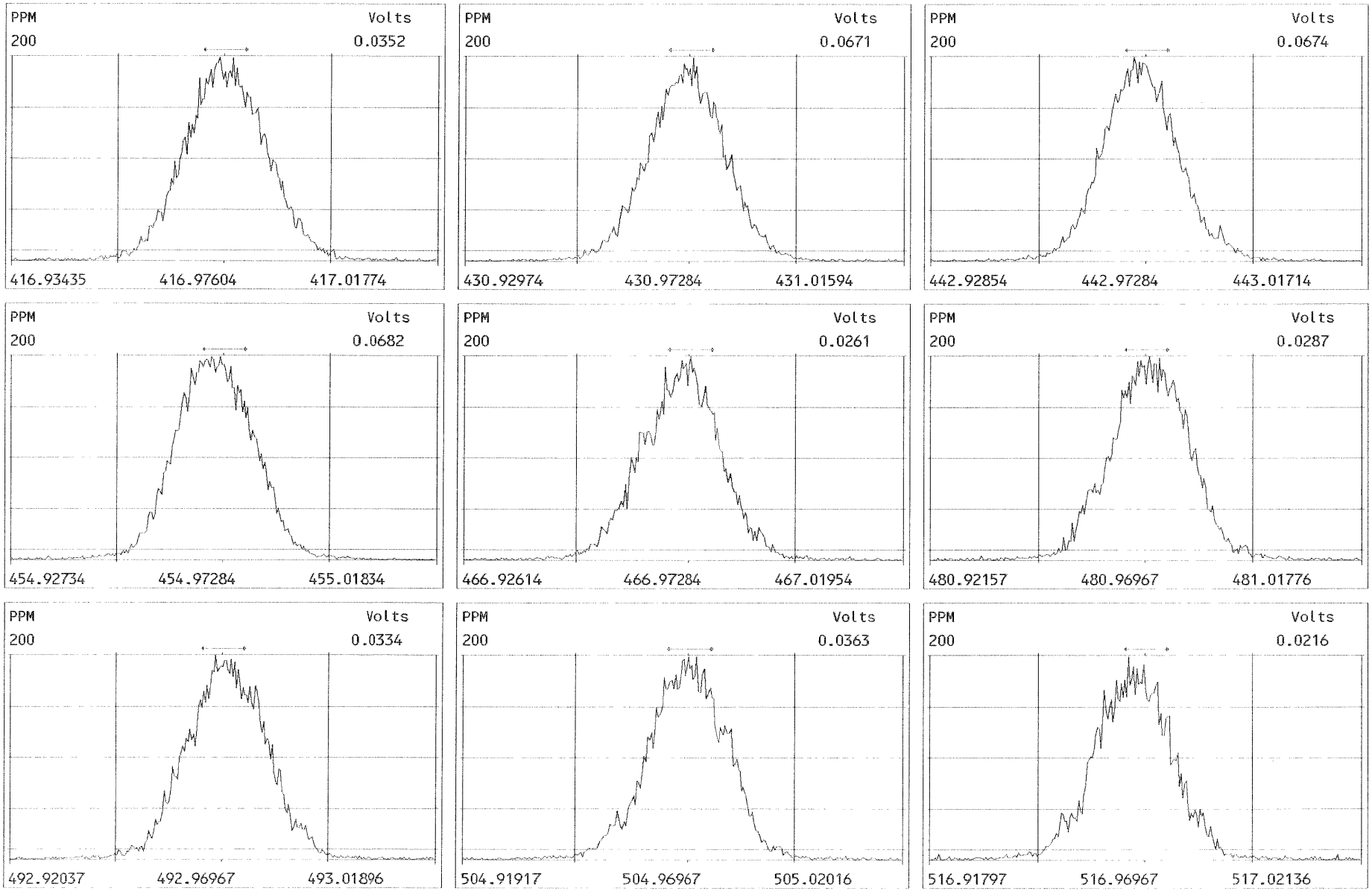




Peak Locate Examination:24-OCT-2020:02:05 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:24-OCT-2020:02:07 File:23OCT20Z_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: 23OCT20Z Sam:15 Analysis Date: 24-OCT-20 00:28:20

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	60.0	37.5 - 62.5
PCB-3	M/M+2	3.30	2.66-3.60	y	59.5	37.5 - 62.5
PCB-4	M/M+2	1.50	1.33-1.79	y	52.0	37.5 - 62.5
PCB-15	M/M+2	1.49	1.33-1.79	y	58.7	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	58.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	59.7	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	117	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	107	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	114	75.0 - 125
PCB-105	M+2/M+4	1.60	1.32-1.78	y	124	75.0 - 125
PCB-114	M+2/M+4	1.60	1.32-1.78	y	111	75.0 - 125
PCB-118	M+2/M+4	1.64	1.32-1.78	y	229	150 - 250
PCB-123	M+2/M+4	1.64	1.32-1.78	y	103	75.0 - 125
PCB-126	M+2/M+4	1.61	1.32-1.78	y	118	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	104	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	124	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	111	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	121	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	113	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	111	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	113	75.0 - 125
PCB-202	M+2/M+4	0.92	0.76-1.02	y	166	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	166	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	167	112.5 - 187.5
PCB-208	M+4/M+6	1.39	1.13-1.53	y	174	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	170	112.5 - 187.5

Analyst: _____ Date: 10/27/20

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: 23OCT20Z Sam:15 Analysis Date: 24-OCT-20 00:28:20

	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	3.28	2.66-3.60	y	96.7	50.0 - 145
13C-PCB-3	M/M+2	3.39	2.66-3.60	y	86.0	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	112	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	87.2	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	78.0	50.0 - 145
13C-PCB-37	M/M+2	1.11	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	112	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	89.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.59	1.32-1.78	y	117	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	116	50.0 - 145
13C-PCB-118	M+2/M+4	1.63	1.32-1.78	y	118	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	111	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	110	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	107	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	101	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	103	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	97.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	97.4	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	89.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	94.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	79.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	89.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	80.9	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	73.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.10	0.88-1.20	y	122	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	104	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	95.5	75.0 - 125

Analyst: [signature] Date: 10/27/20

FAL ID: ST10232OZ2 Filename: 23OCT20Z Sam:15 Acquired: 24-OCT-20 00:28:20 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 201021A ConCal: ST10232OZ1 EndCal: ST10232OZ2
Results: 23OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.67e+07	3.23 y	14:32	1.21	60.0		2.50	-	-	*	-
13C-PCB-1	3.67e+07	3.28 y	14:31	0.90	96.7		2.50				96.7
PCB-3	2.47e+07	3.30 y	16:57	1.23	59.5		2.50	-	-	*	-
13C-PCB-3	3.37e+07	3.39 y	16:56	0.93	86.0		2.50				86.0
PCB-4	1.85e+07	1.50 y	18:11	1.14	52.0		2.50	-	-	*	-
13C-PCB-4	3.12e+07	1.61 y	18:10	0.66	112		2.50				112
PCB-15	2.56e+07	1.49 y	23:42	1.09	58.7		2.50	-	-	*	-
13C-PCB-15	4.00e+07	1.60 y	23:41	1.09	87.2		2.50				87.2
PCB-19	1.17e+07	1.10 y	22:03	1.21	58.4		2.50	-	-	*	-
13C-PCB-19	1.66e+07	1.10 y	22:02	0.50	78.0		2.50				78.0
13C-PCB-9	4.22e+07	1.60 y	19:50	-	41.4		2.50				
PCB-37	2.04e+07	1.10 y	30:21	1.14	59.7		2.50	-	-	*	-
13C-PCB-37	2.98e+07	1.11 y	30:19	1.64	102		2.50				102
PCB-54	3.48e+07	0.79 y	25:36	1.18	117		2.50	-	-	*	-
13C-PCB-54	2.50e+07	0.81 y	25:35	1.26	112		2.50				112
PCB-104	2.06e+07	1.58 y	30:02	1.12	114		2.50	-	-	*	-
13C-PCB-104	1.62e+07	1.58 y	30:00	1.02	89.2		2.50				89.2
13C-PCB-28	3.74e+07	1.10 y	26:39	1.73	122		2.50				122
13C-PCB-52	1.78e+07	0.80 y	28:55	-	33.4		2.50				
PCB-81	3.81e+07	0.79 y	36:07	1.13	124		2.50	-	-	*	-
13C-PCB-81	2.70e+07	0.80 y	36:05	1.57	118		2.50				118
PCB-77	3.17e+07	0.81 y	36:41	1.10	107		2.50	-	-	*	-
13C-PCB-77	2.68e+07	0.79 y	36:40	1.61	114		2.50				114
PCB-155	2.02e+07	1.28 y	34:12	1.13	104		2.50	-	-	*	-
13C-PCB-155	1.72e+07	1.29 y	34:10	1.10	107		2.50				107
13C-PCB-111	1.92e+07	1.63 y	36:16	1.27	104		2.50				104
13C-PCB-101	1.46e+07	1.63 y	34:37	-	30.6		2.50				
PCB-123	2.64e+07	1.64 y	38:19	1.11	103		2.50	-	-	*	-
13C-PCB-123	2.31e+07	1.60 y	38:17	1.28	111		2.50				111
PCB-118	6.65e+07	1.64 y	38:31	1.12	229		2.50	-	-	*	-
13C-PCB-118	2.59e+07	1.63 y	38:29	1.35	118		2.50				118
PCB-114	3.07e+07	1.60 y	39:07	1.13	111		2.50	-	-	*	-
13C-PCB-114	2.44e+07	1.62 y	39:05	1.29	116		2.50				116
PCB-105	3.31e+07	1.60 y	39:56	1.10	124		2.50	-	-	*	-
13C-PCB-105	2.42e+07	1.59 y	39:54	1.28	117		2.50				117
PCB-126	2.79e+07	1.61 y	42:03	1.08	118		2.50	-	-	*	-
13C-PCB-126	2.18e+07	1.59 y	42:03	1.23	110		2.50				110
PCB-167	2.60e+07	1.25 y	43:25	1.11	121		2.50	-	-	*	-
13C-PCB-167	1.95e+07	1.29 y	43:24	1.23	97.8		2.50				97.8
PCB-156	2.71e+07	1.27 y	44:39	1.13	124		2.50	-	-	*	-
13C-PCB-156	1.94e+07	1.28 y	44:38	1.19	101		2.50				101
PCB-157	2.41e+07	1.25 y	44:54	1.08	111		2.50	-	-	*	-
13C-PCB-157	2.02e+07	1.27 y	44:52	1.21	103		2.50				103
PCB-169	2.25e+07	1.28 y	46:46	1.08	113		2.50	-	-	*	-
13C-PCB-169	1.84e+07	1.26 y	46:46	1.17	97.4		2.50				97.4
PCB-188	2.00e+07	1.06 y	39:41	1.10	111		2.50	-	-	*	-
13C-PCB-188	1.64e+07	1.07 y	39:41	1.13	89.9		2.50				89.9
PCB-189	1.78e+07	1.08 y	48:26	1.07	113		2.50	-	-	*	-
13C-PCB-189	1.47e+07	1.08 y	48:26	0.97	94.1		2.50				94.1
PCB-202	2.10e+07	0.92 y	44:49	1.03	166		2.50	-	-	*	-
13C-PCB-202	1.23e+07	0.90 y	44:47	0.96	79.5		2.50				79.5
13C-PCB-178	1.20e+07	1.07 y	42:19	0.78	95.5		2.50				95.5
13C-PCB-138	1.62e+07	1.25 y	41:32	-	33.7		2.50				

FAL ID: ST10232022 Filename: 23OCT20Z Sam:15 Acquired: 24-OCT-20 00:28:20 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 201021A ConCal: ST10232021 EndCal: ST10232022
Results: 23OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	4.52e+07	0.90 y	50:05	1.09	166	2.50	-	-	*	-
13C-PCB-205	2.51e+07	0.91 y	50:05	1.32	102	2.50				102
PCB-208	3.63e+07	1.39 y	49:10	1.01	174	2.50	-	-	*	-
13C-PCB-208	2.07e+07	0.81 y	49:09	1.38	80.9	2.50				80.9
PCB-206	2.72e+07	1.34 y	51:19	1.04	167	2.50	-	-	*	-
13C-PCB-206	1.57e+07	0.81 y	51:17	0.94	89.9	2.50				89.9
PCB-209	2.91e+07	1.21 y	52:29	1.13	170	2.50	-	-	*	-
13C-PCB-209	1.52e+07	1.21 y	52:29	1.10	73.8	2.50				73.8
13C-PCB-194	1.86e+07	0.93 y	49:50	-	48.9	2.50				

Analyst: _____ Date: 10/27/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:23OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

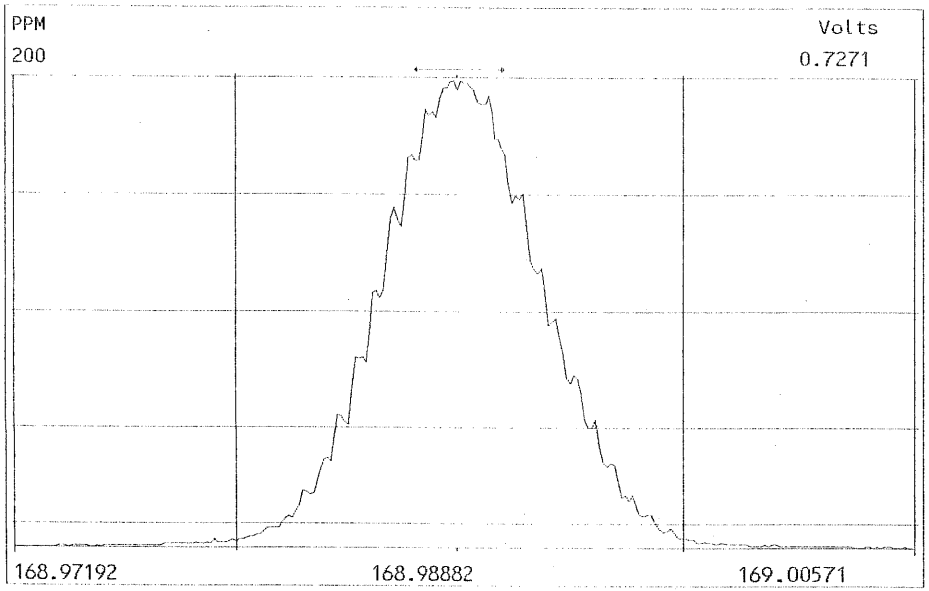
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
23OCT20Z	1	ST102320Z1	CS209 201021A	23-OCT-20 10:50:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	2	05488-001-0001-OPR	OPR	23-OCT-20 11:49:19	ST102320Z1	ST102320Z2	DV
23OCT20Z	3	05488-001-0001-MB	Method Blank	23-OCT-20 12:48:05	ST102320Z1	ST102320Z2	DV
23OCT20Z	4	13372-008-0001-SA	LDW-Y3-SC-ENR-CC-S010	23-OCT-20 13:46:26	ST102320Z1	ST102320Z2	DV
23OCT20Z	5	13372-011-0001-SA	LDW-Y3-SC-ENR-CD-S010-LONG	23-OCT-20 14:44:47	ST102320Z1	ST102320Z2	DV
23OCT20Z	6	13372-014-0001-SA	LDW-Y3-SC-ENR-S010-DEP	23-OCT-20 15:43:09	ST102320Z1	ST102320Z2	DV
23OCT20Z	7	13372-015-0001-SA	LDW-Y3-SC-S010-TB	23-OCT-20 16:41:30	ST102320Z1	ST102320Z2	DV
23OCT20Z	8	13372-016-0001-SA	LDW-Y3-SU-ENR+AC-CA-S010	23-OCT-20 17:39:52	ST102320Z1	ST102320Z2	DV
23OCT20Z	9	13372-017-0001-SA	LDW-Y3-SU-ENR+AC-CA-S010-BIO	23-OCT-20 18:38:13	ST102320Z1	ST102320Z2	DV
23OCT20Z	10	13372-019-0001-SA	LDW-Y3-SU-ENR+AC-CB-S010-BIO	23-OCT-20 19:36:34	ST102320Z1	ST102320Z2	DV
23OCT20Z	11	13372-020-0001-SA	LDW-Y3-SU-ENR+AC-CC-S010	23-OCT-20 20:34:55	ST102320Z1	ST102320Z2	DV
23OCT20Z	12	13373-001-0001-SA	LDW-Y3-SU-ENR+AC-CC-S010-BIO	23-OCT-20 21:33:17	ST102320Z1	ST102320Z2	DV
23OCT20Z	13	13373-002-0001-SA	LDW-Y3-SU-ENR+AC-CD-S010	23-OCT-20 22:31:38	ST102320Z1	ST102320Z2	DV
23OCT20Z	14	SB102320Z1	Solvent Blank	23-OCT-20 23:29:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	15	ST102320Z2	CS209 201021A	24-OCT-20 00:28:20	ST102320Z1	ST102320Z2	DV

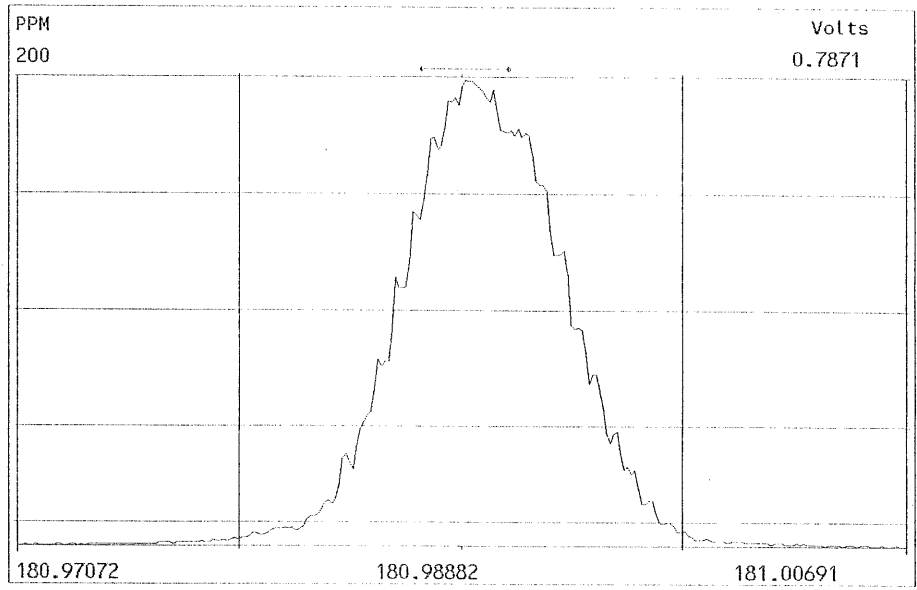
DPN 10.24.20

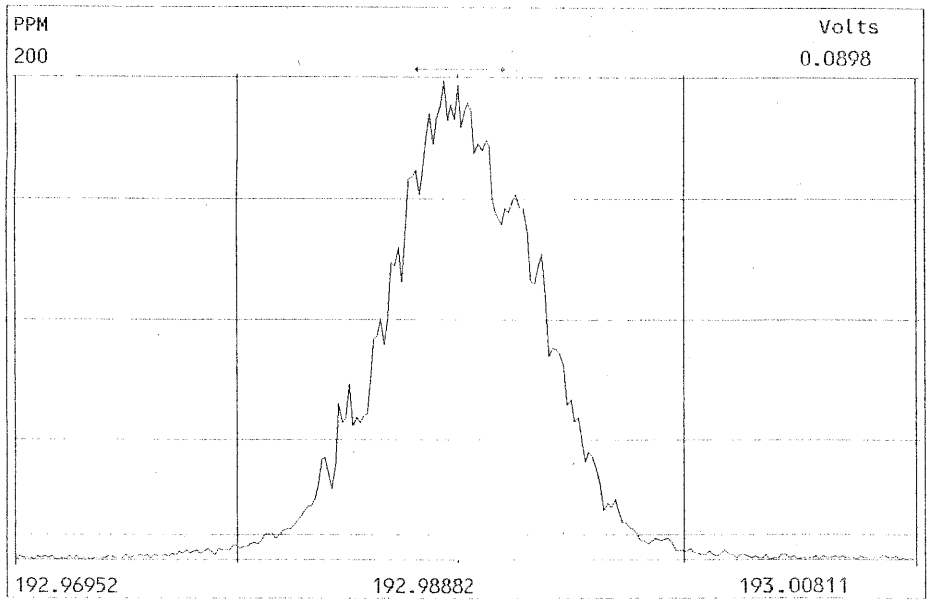
Data Backed Up:_____

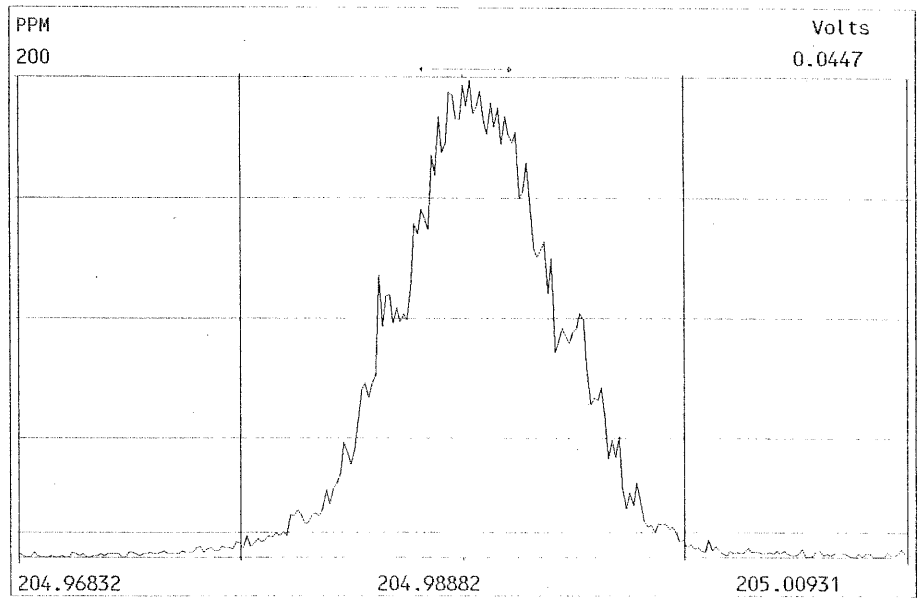
Date:_____

Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

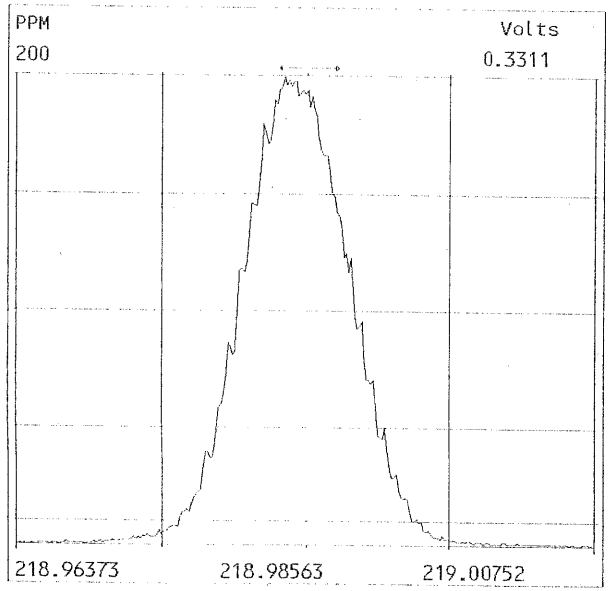


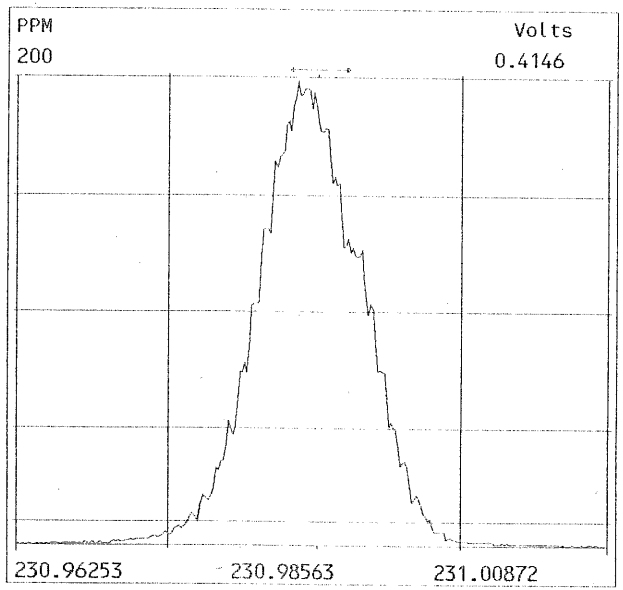


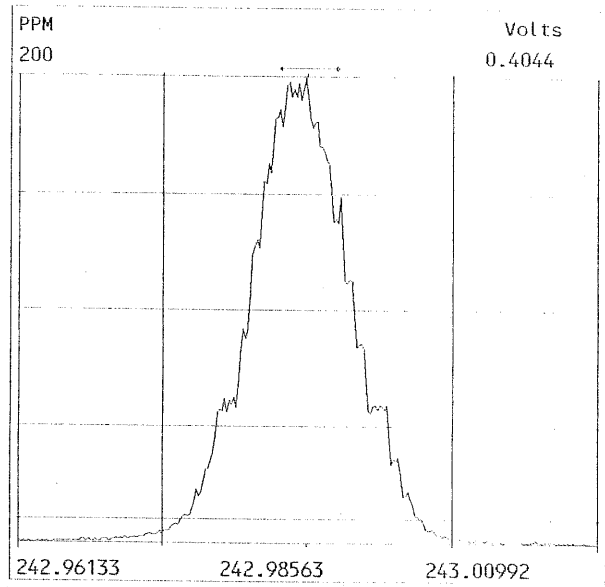


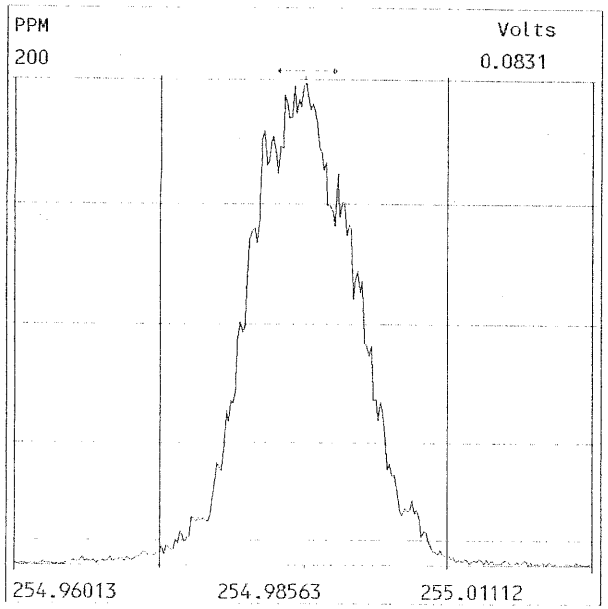


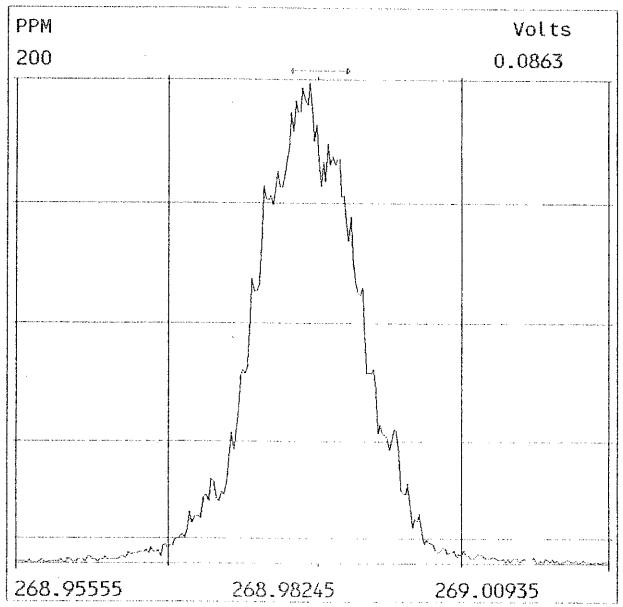
Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

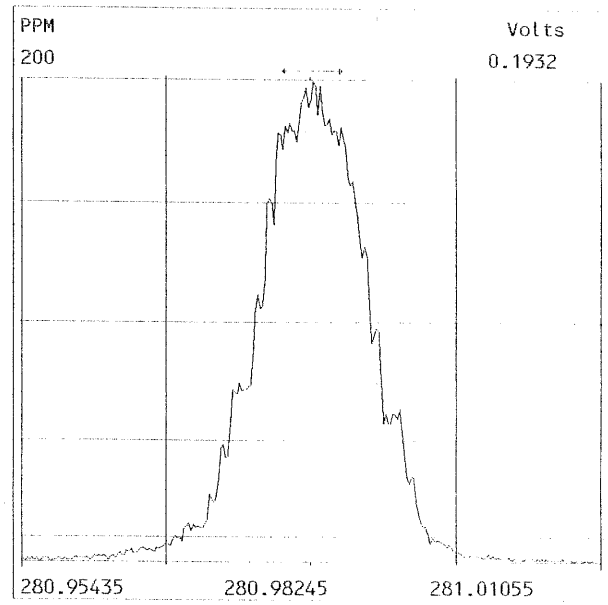




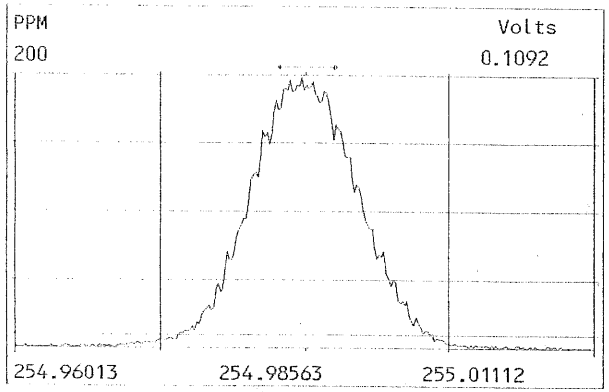


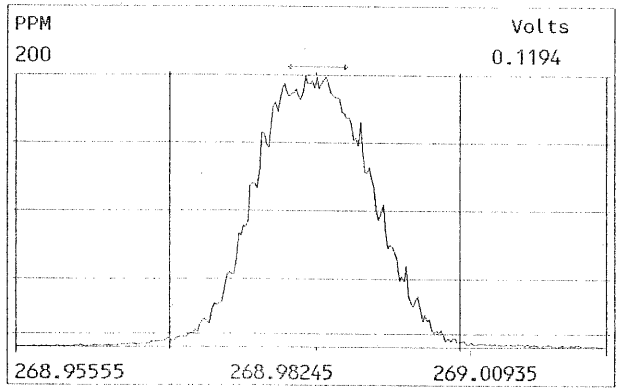


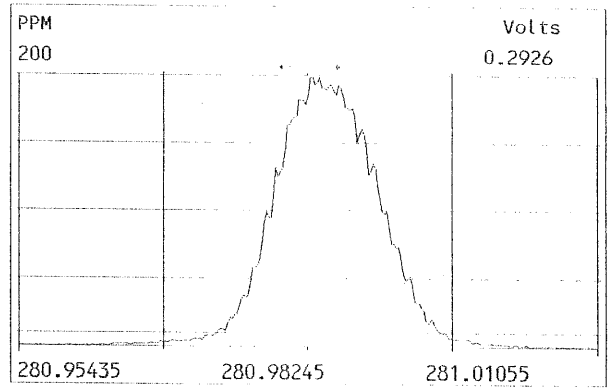


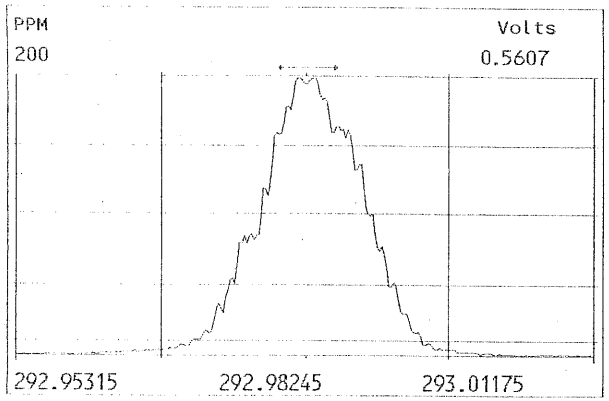


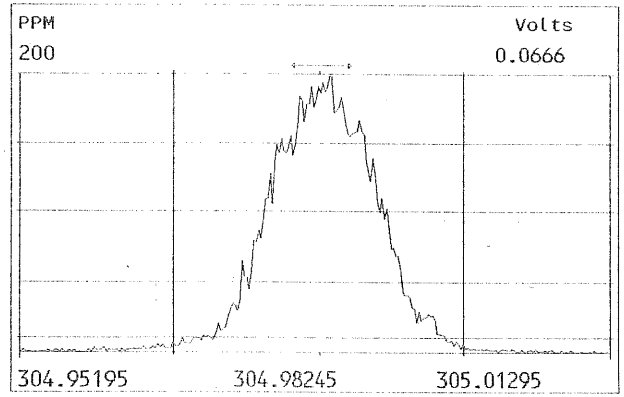
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

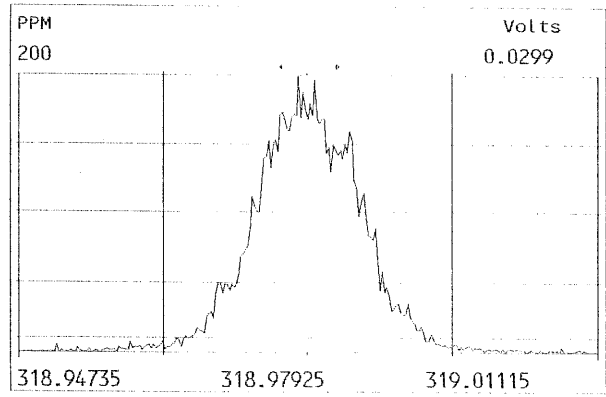


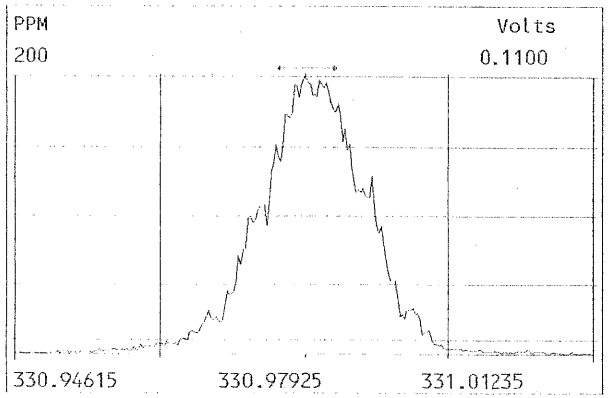


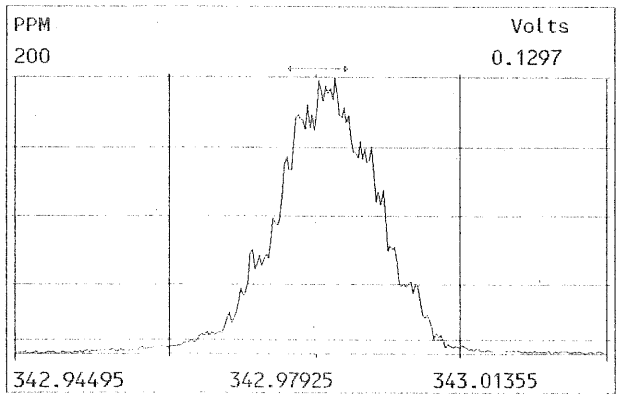






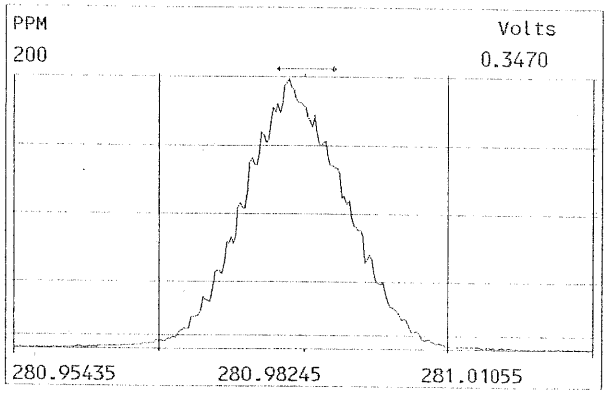


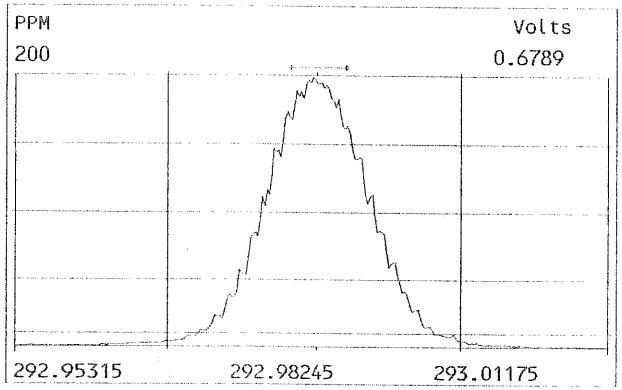


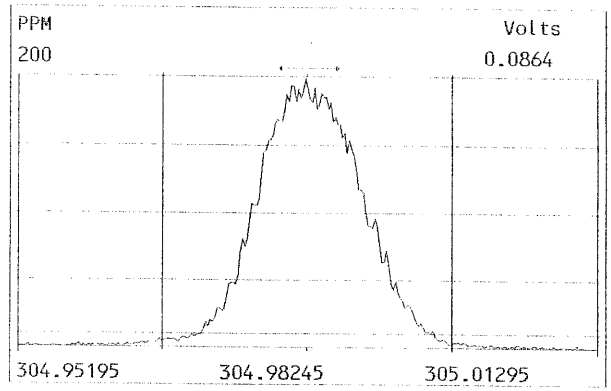


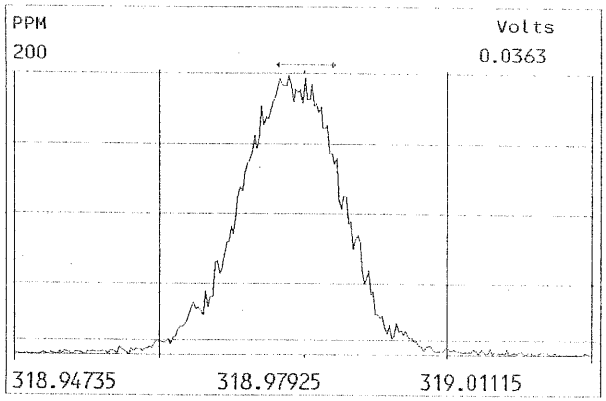
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z

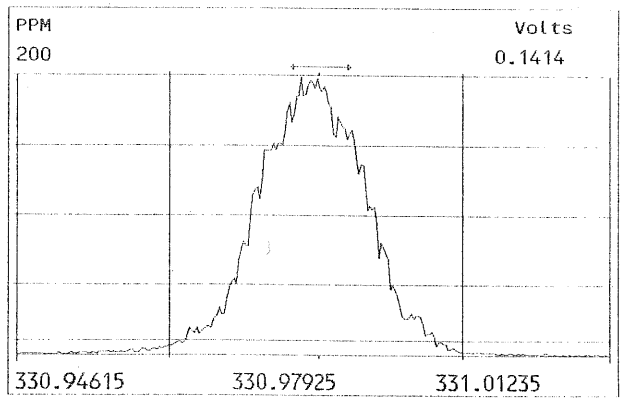
Experiment:1668PCB Function:4 Reference:PFK

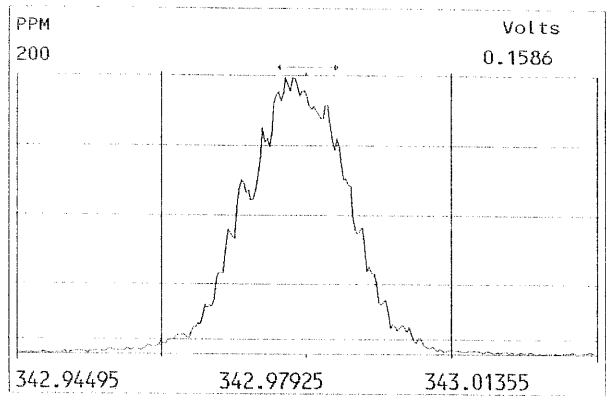


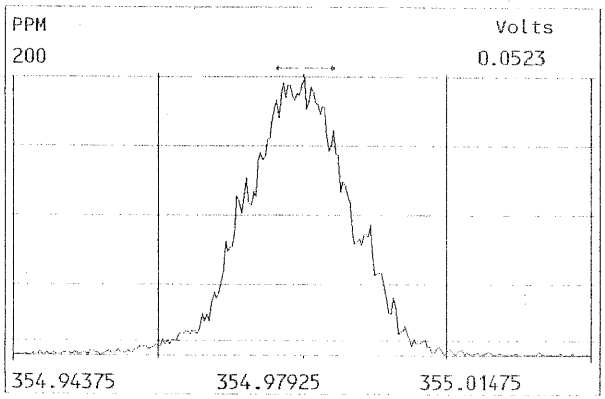


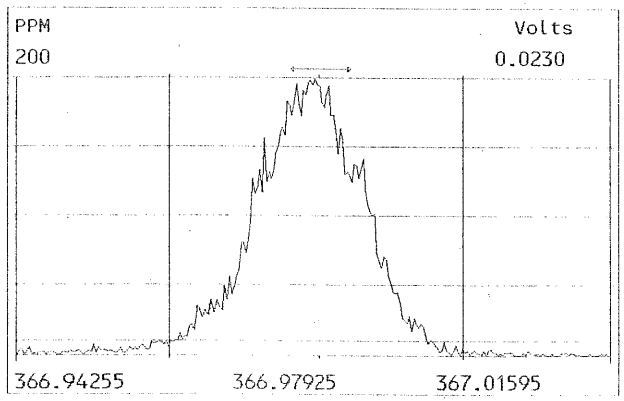


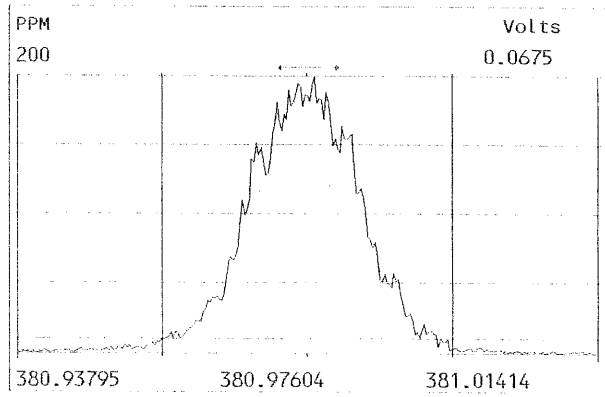




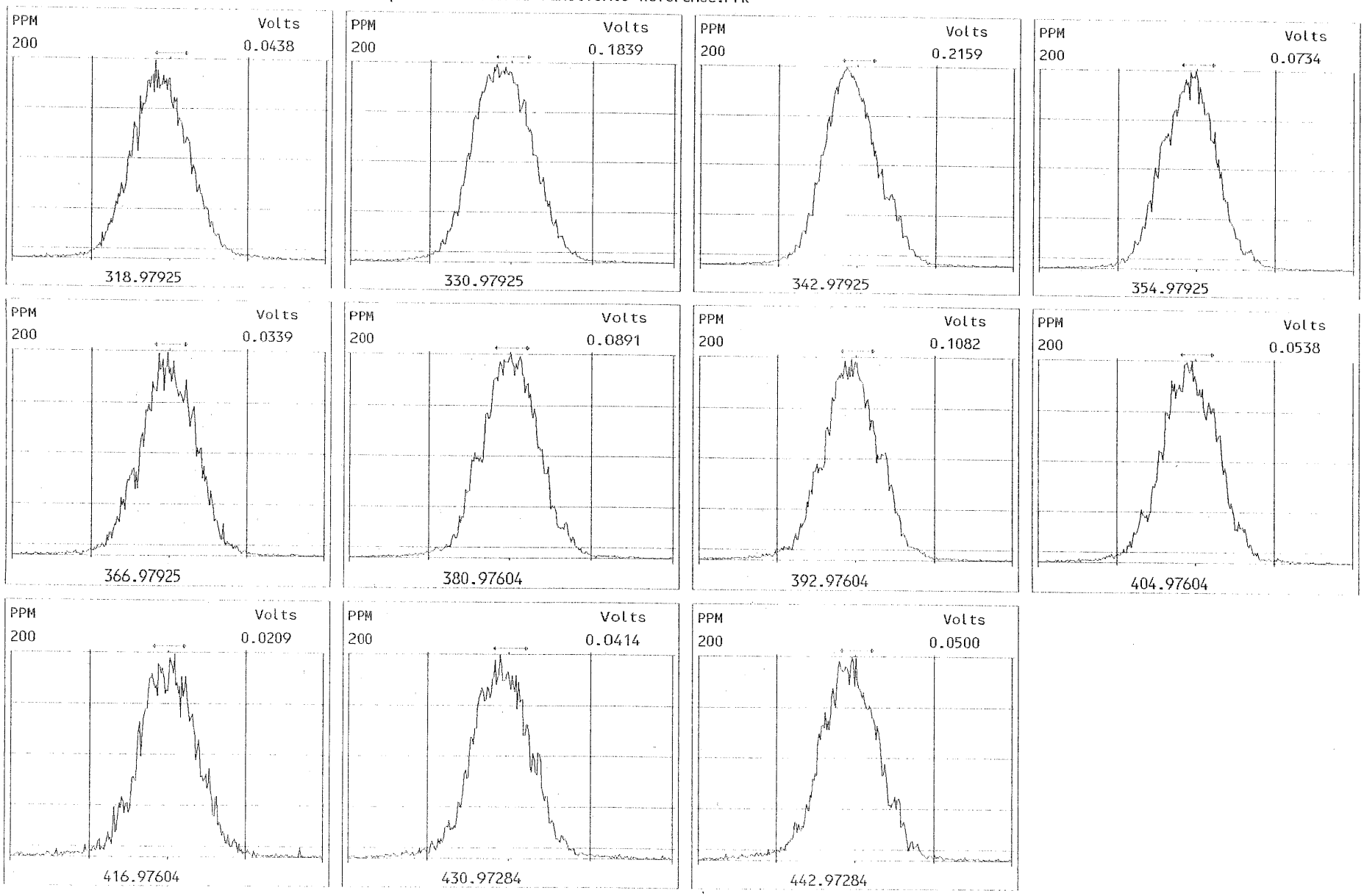




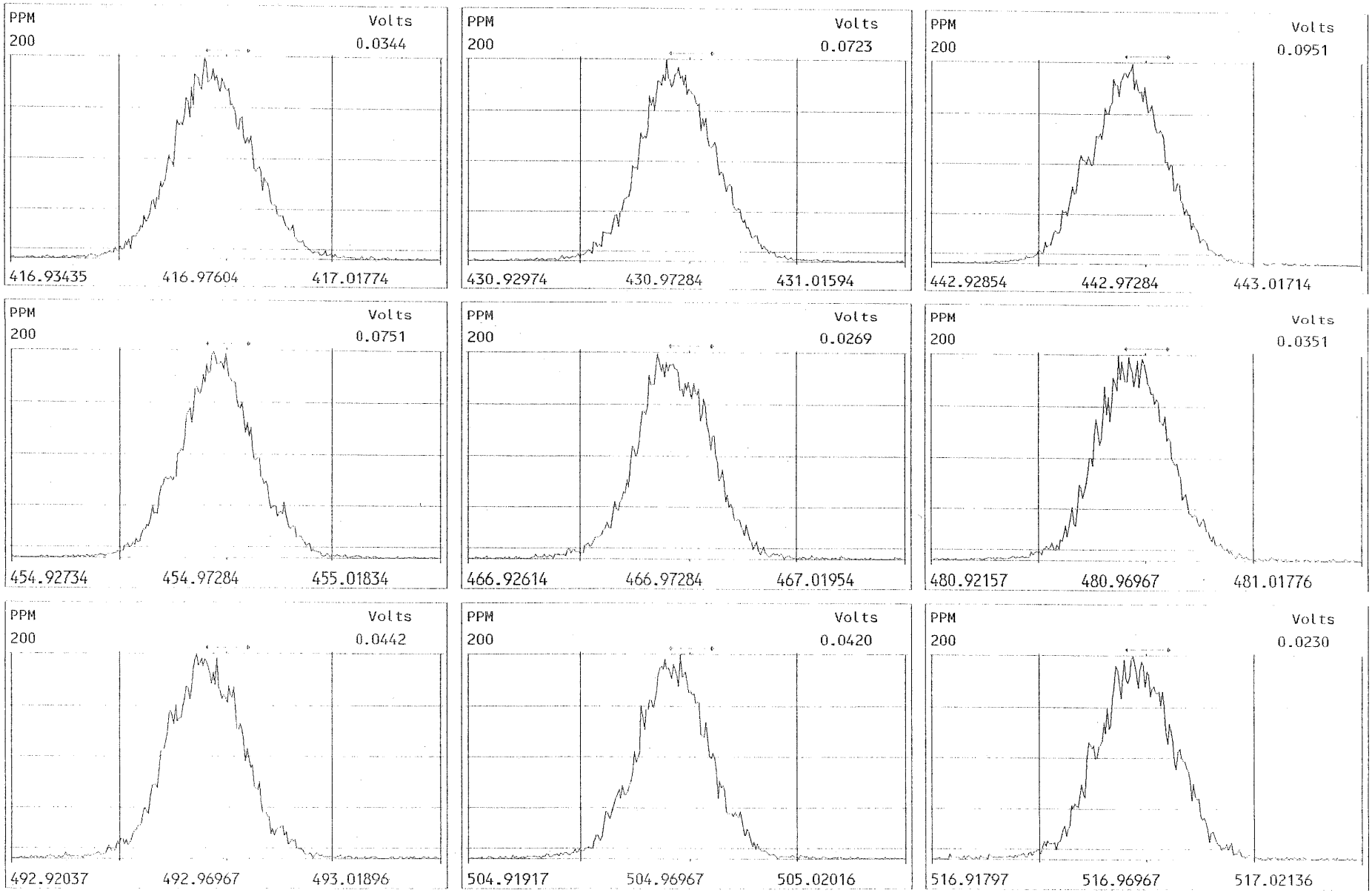




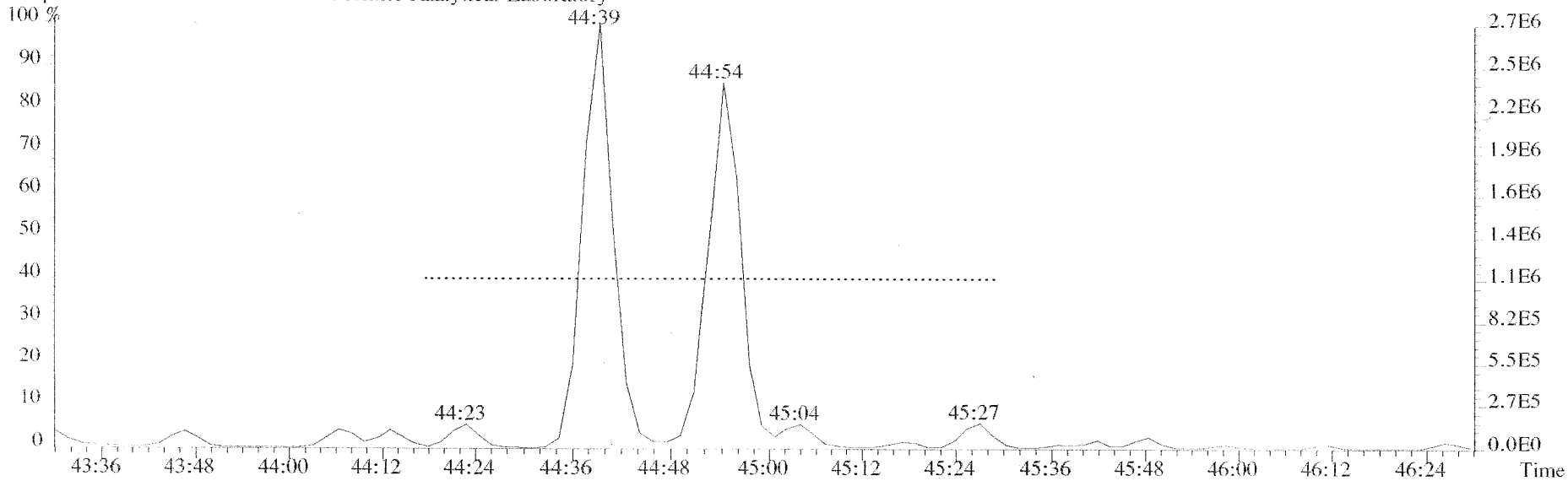
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:5 Reference:PFK



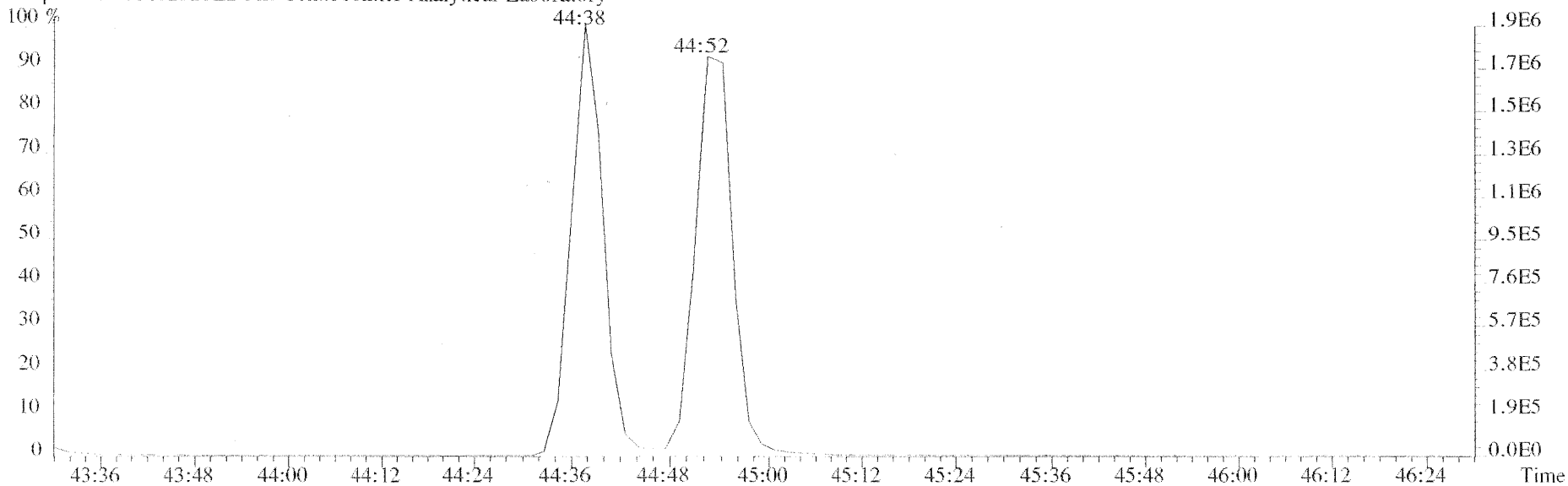
Peak Locate Examination:23-OCT-2020:10:50 File:23OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



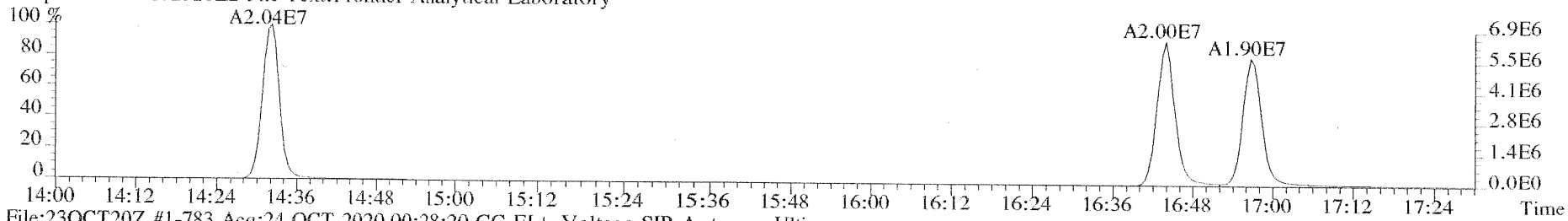
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



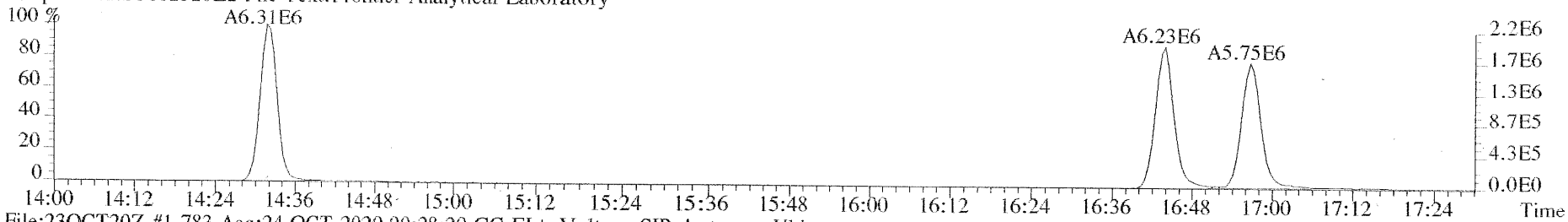
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



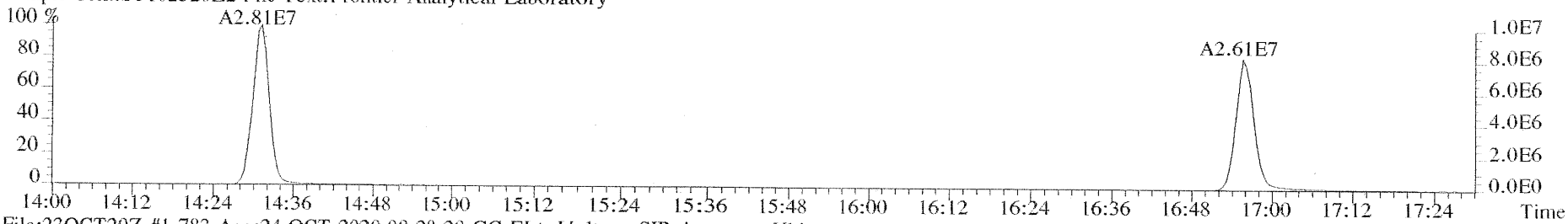
File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 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:ST102320Z2 File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 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:ST102320Z2 File Text:Frontier Analytical Laboratory



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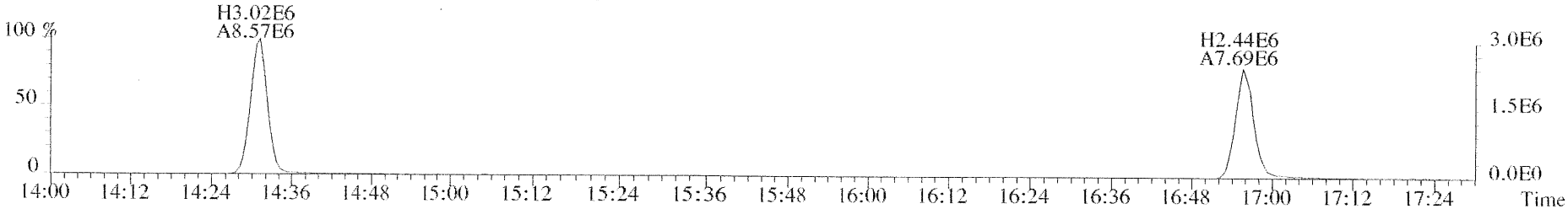
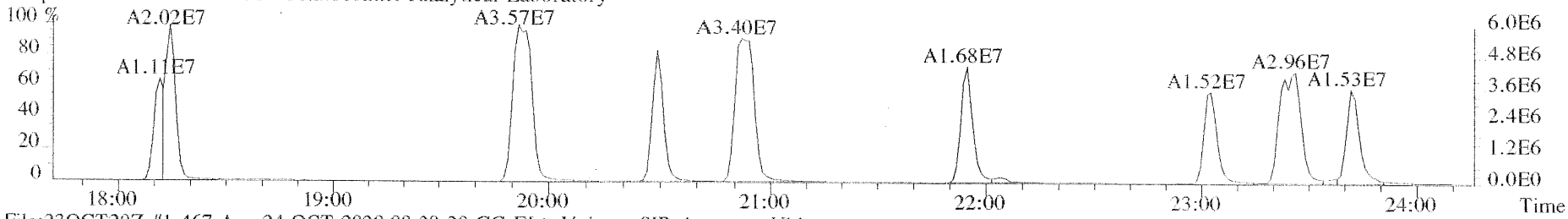
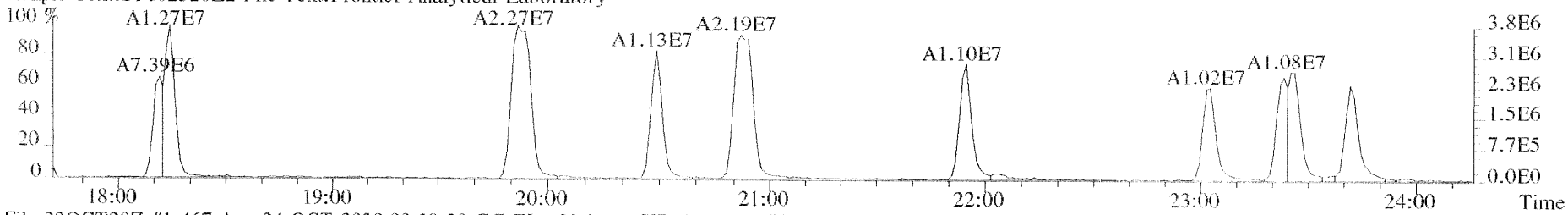
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



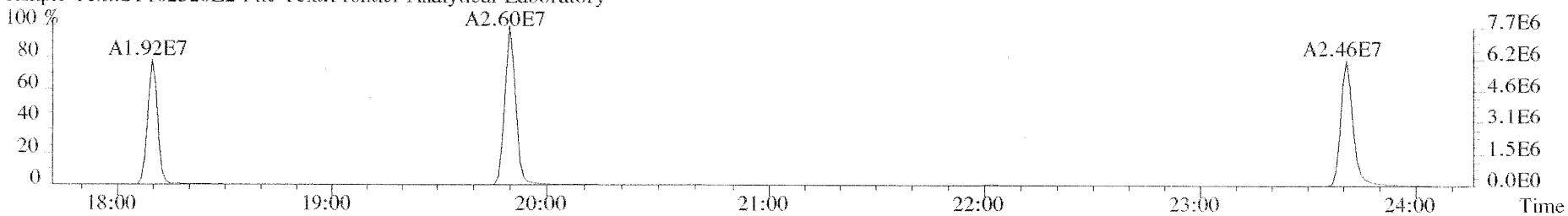
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



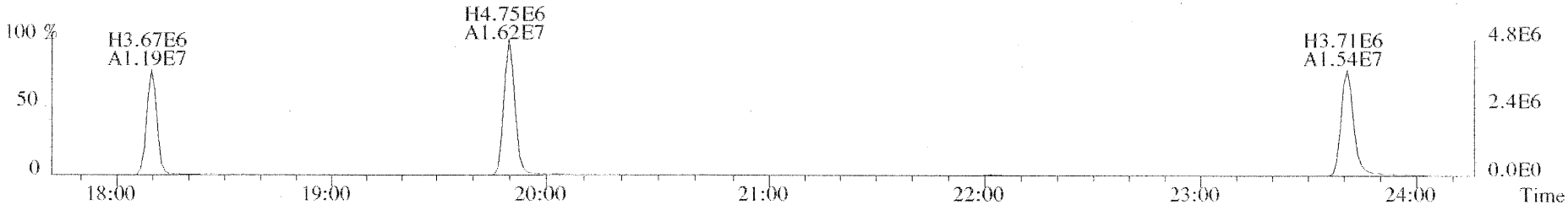
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



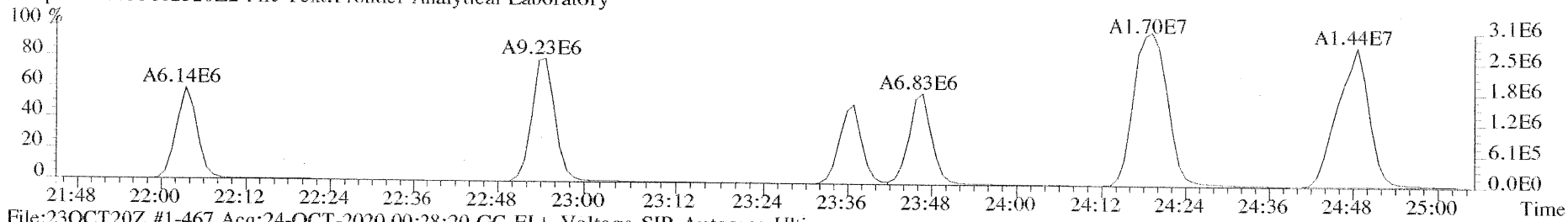
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



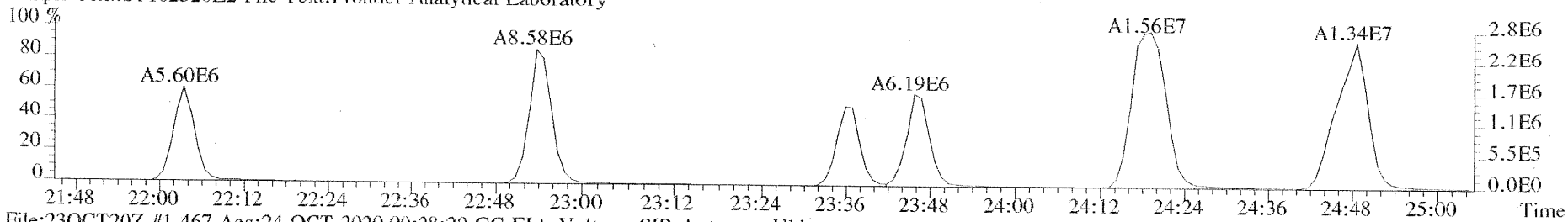
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



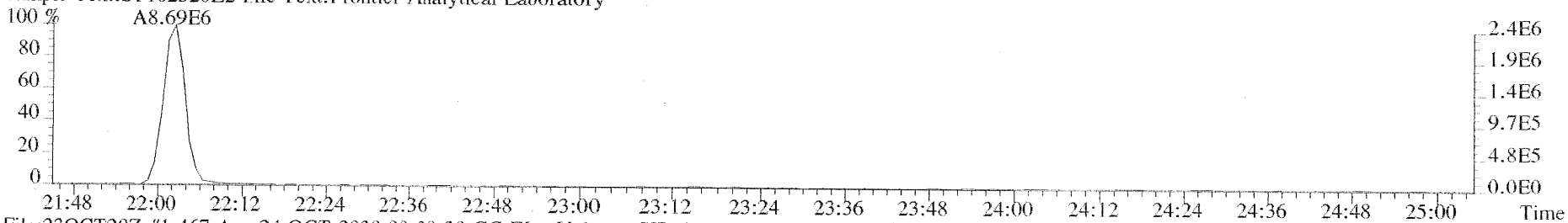
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



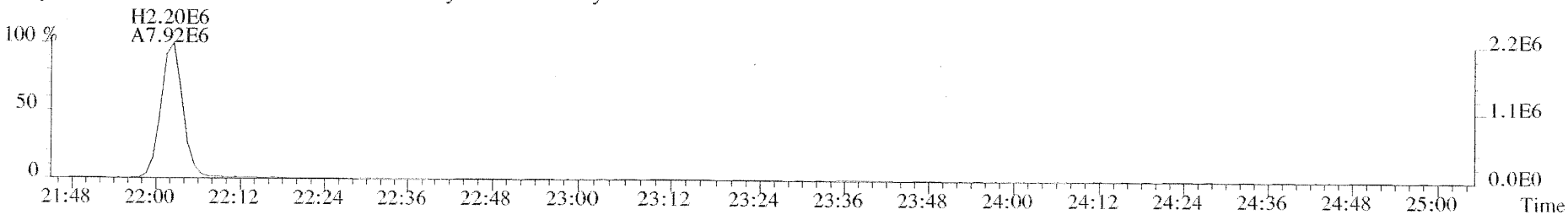
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



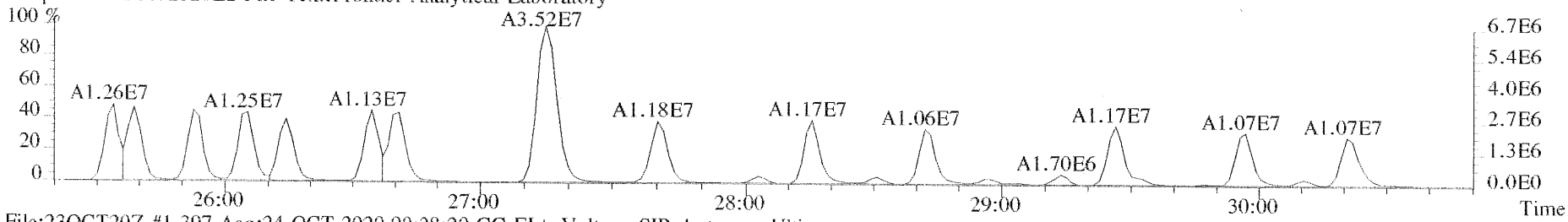
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



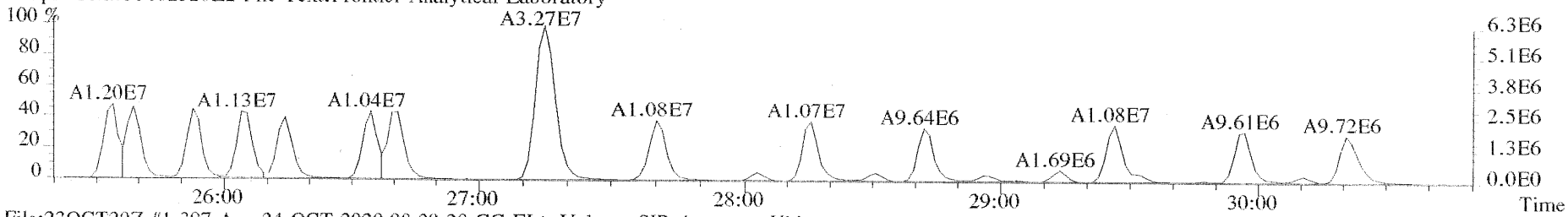
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



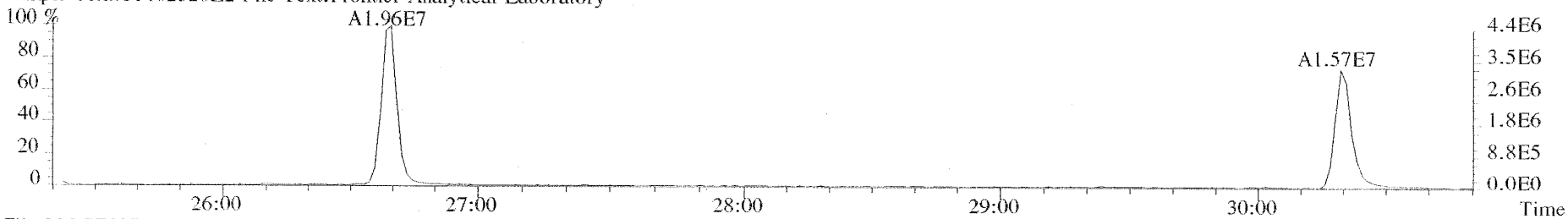
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



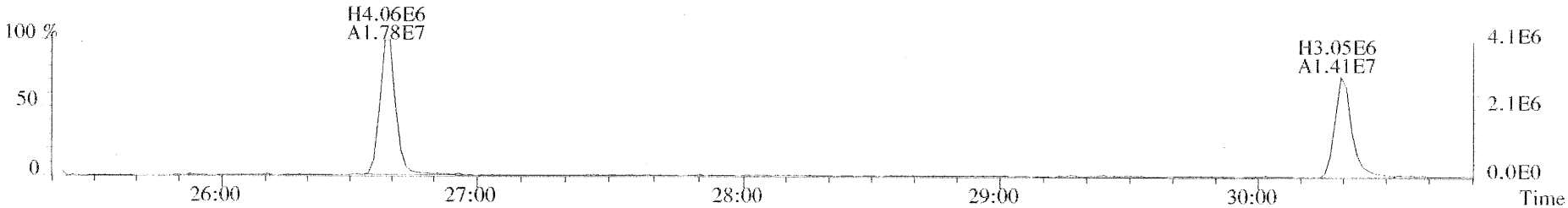
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



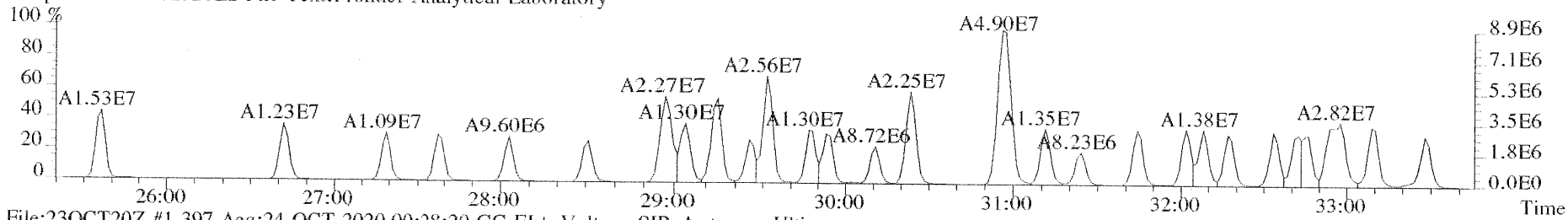
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



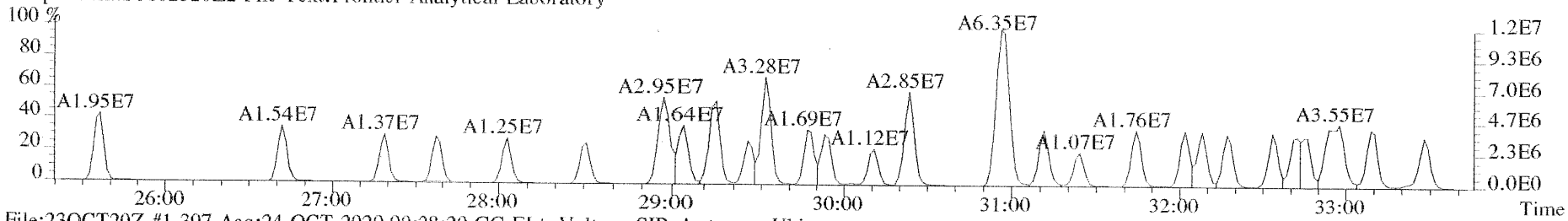
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



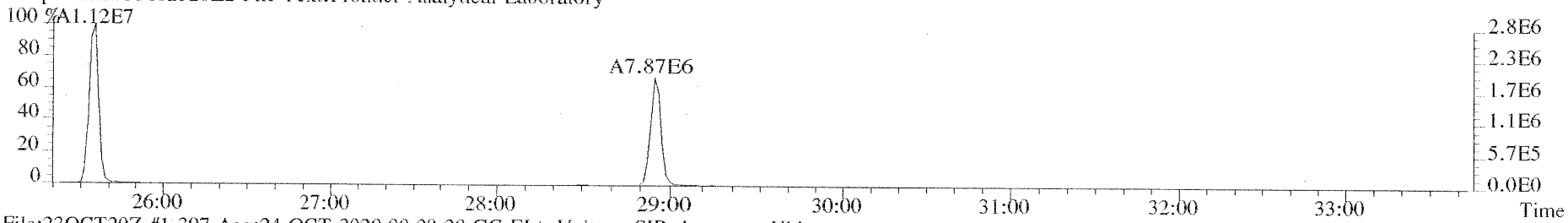
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



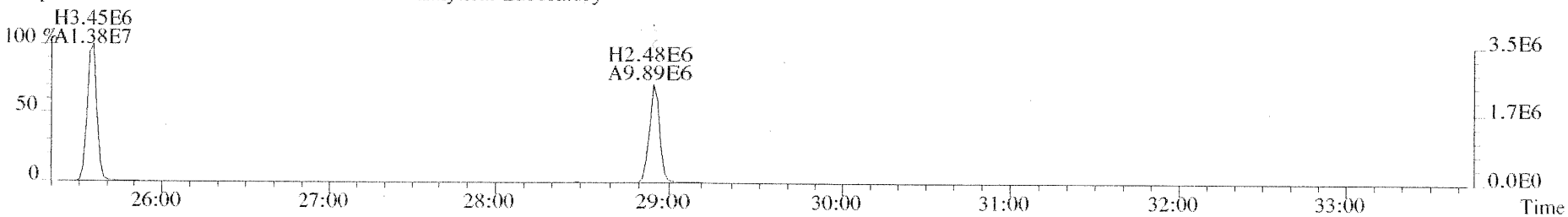
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



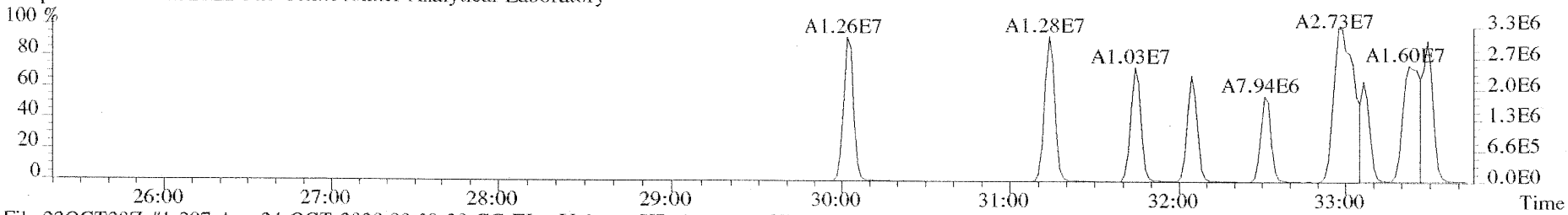
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



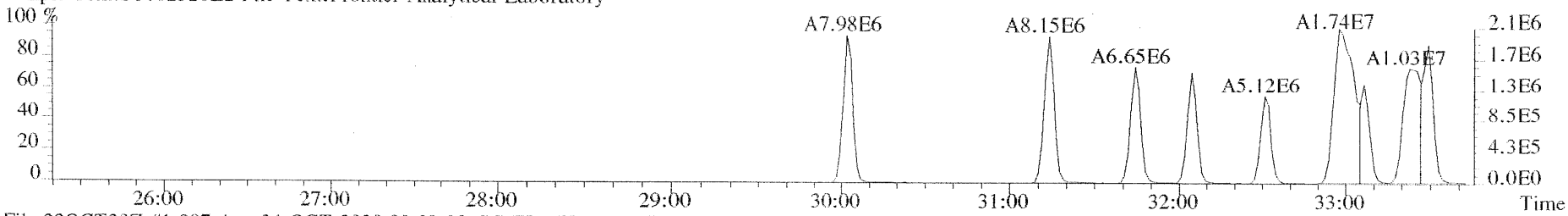
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



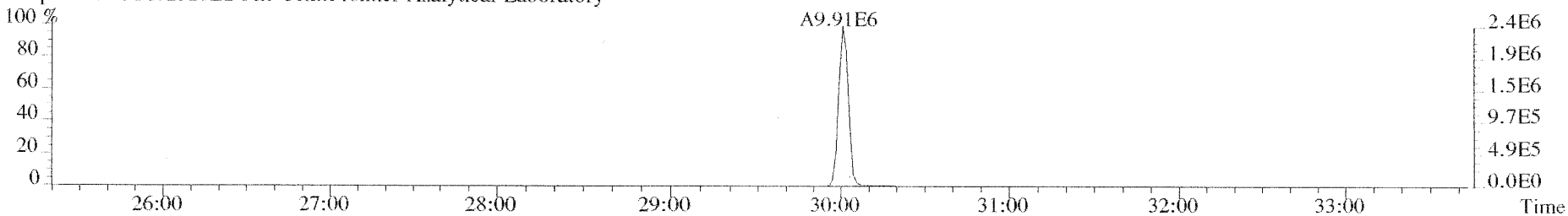
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



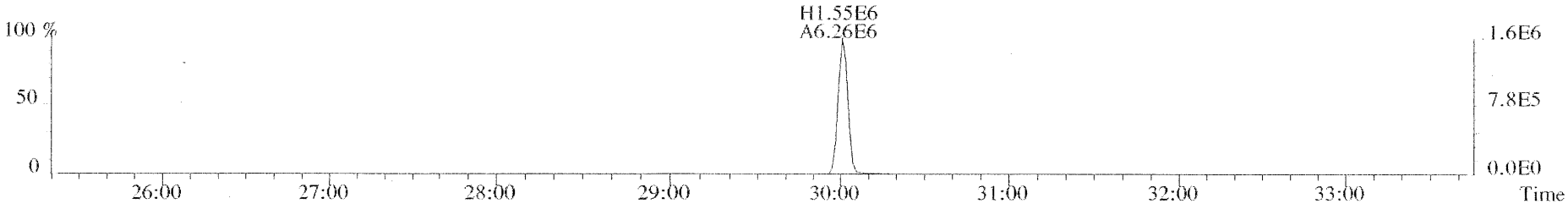
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



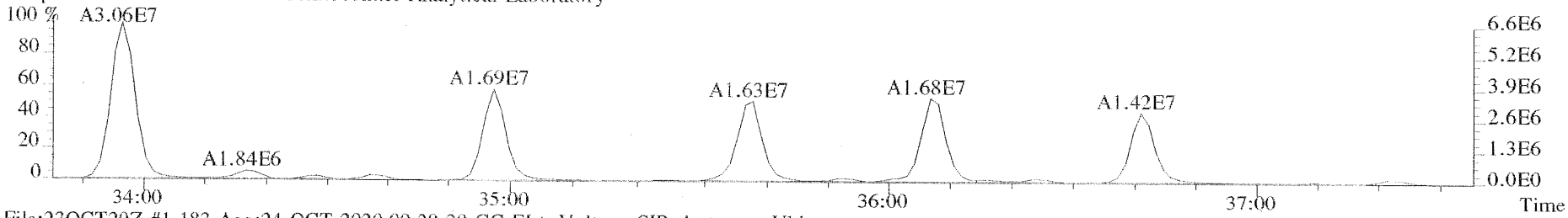
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



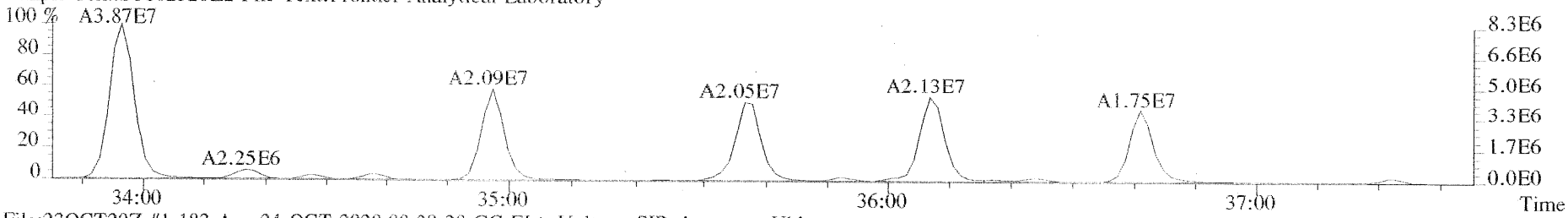
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



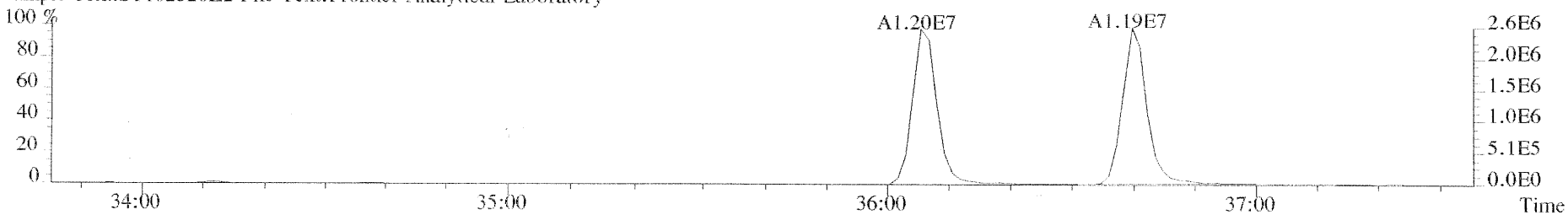
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



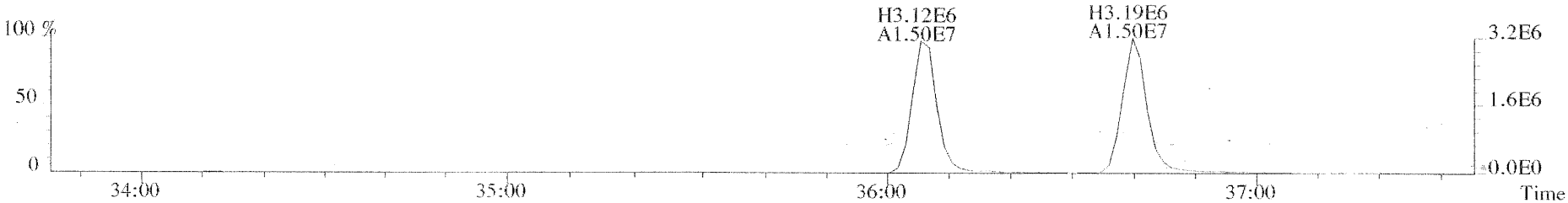
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



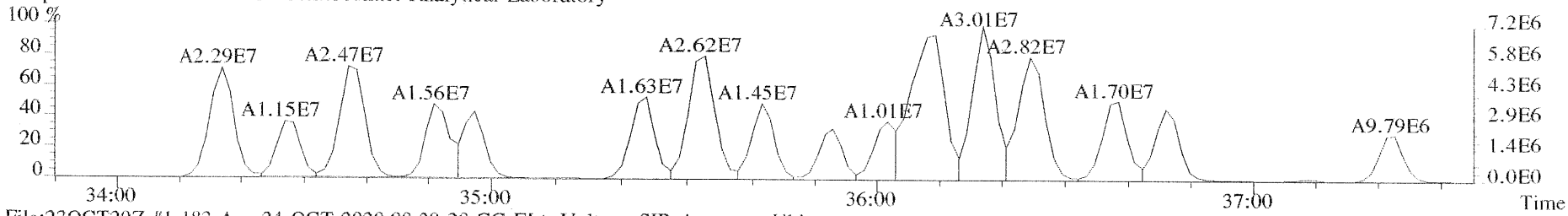
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



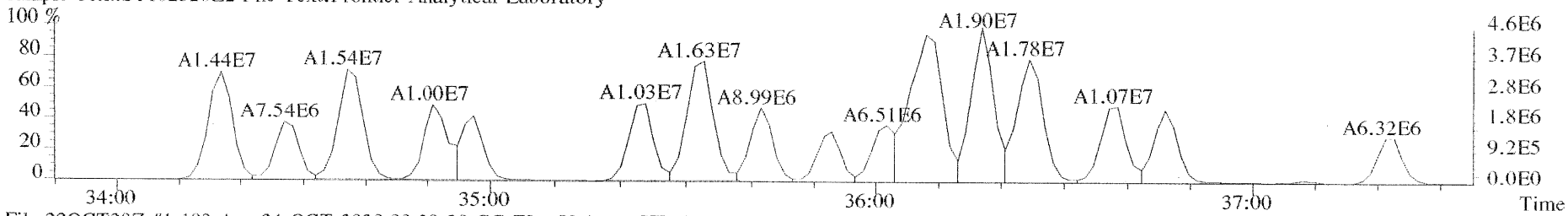
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



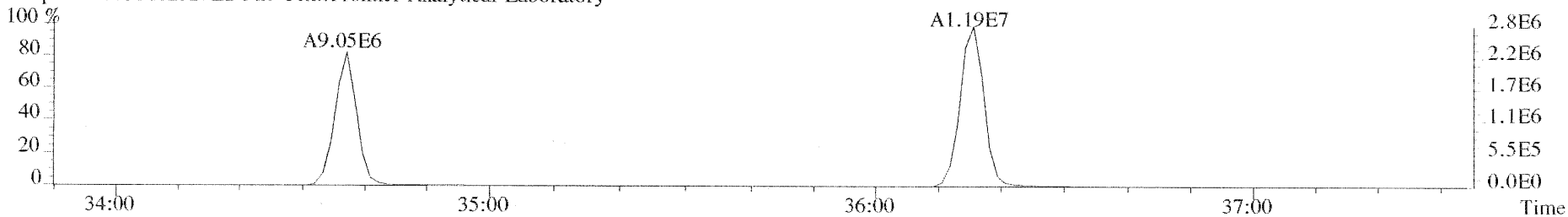
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



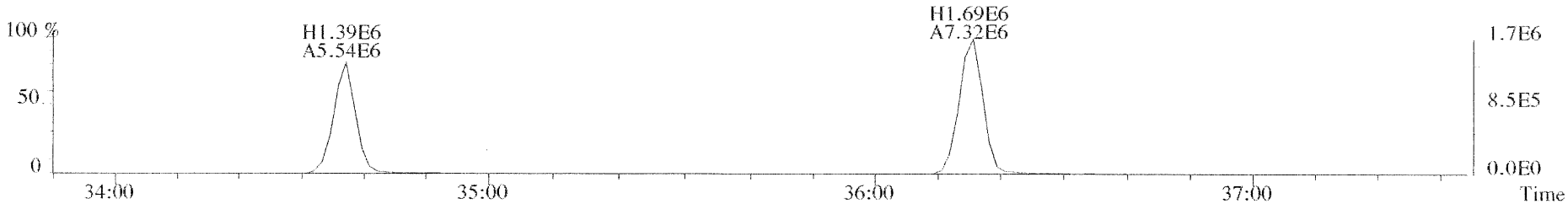
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



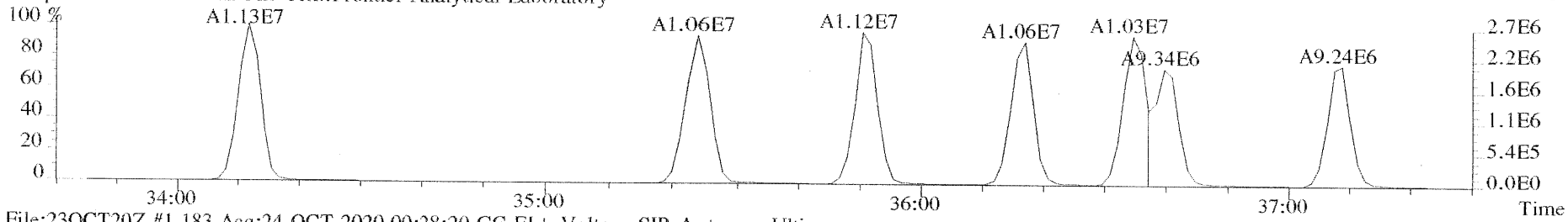
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



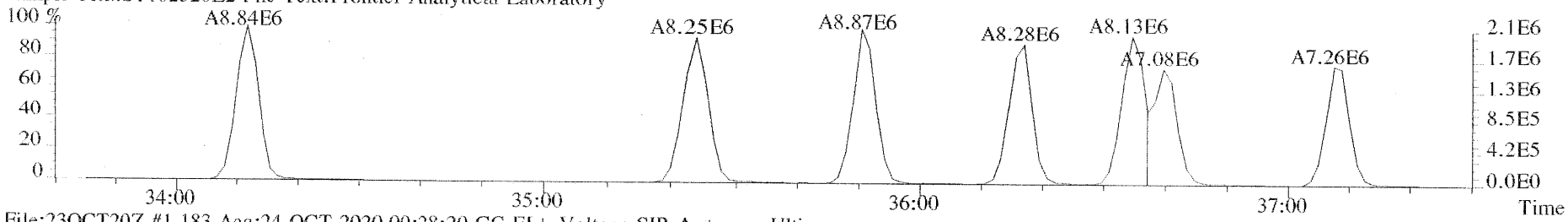
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



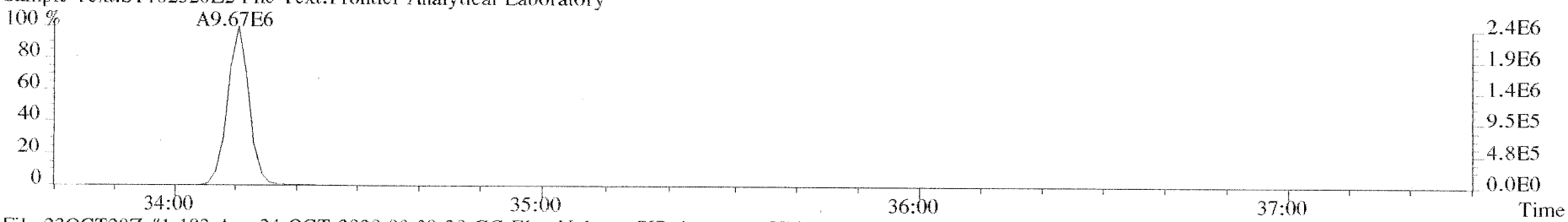
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



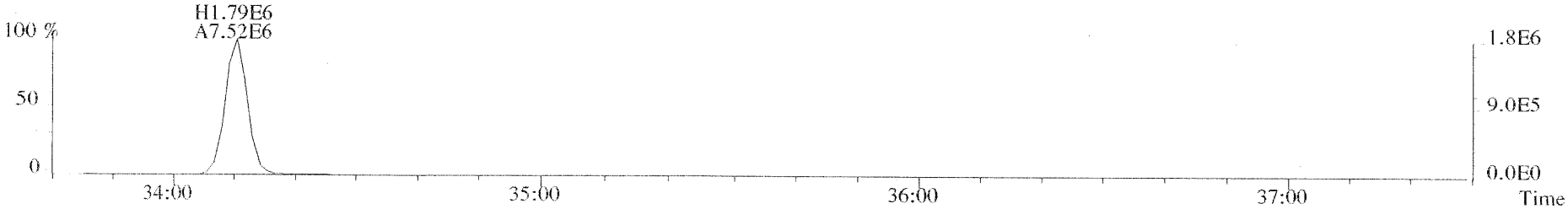
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



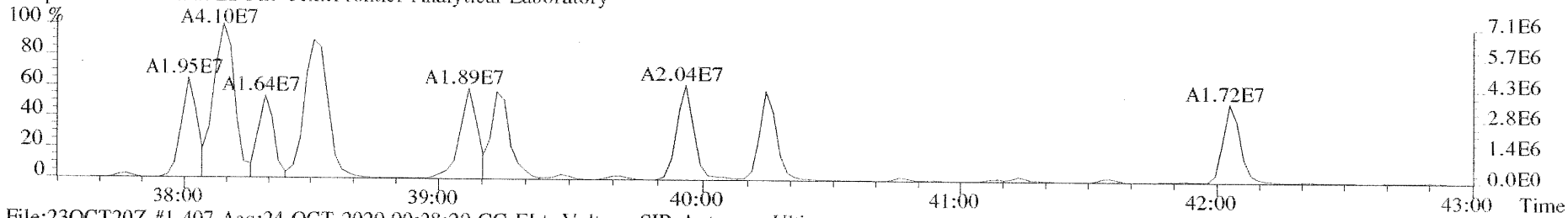
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



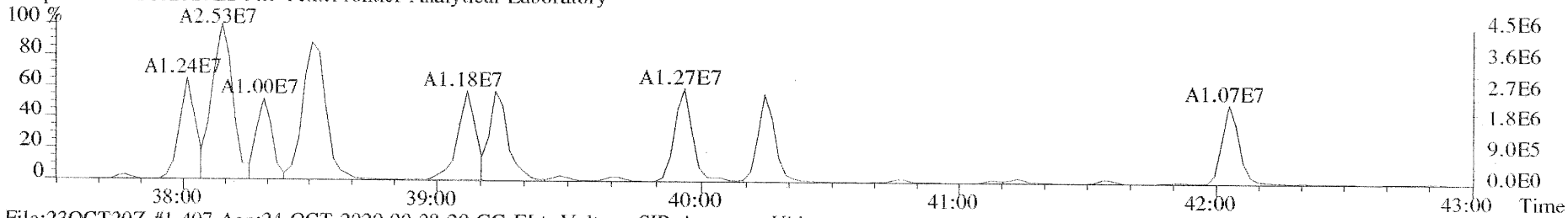
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



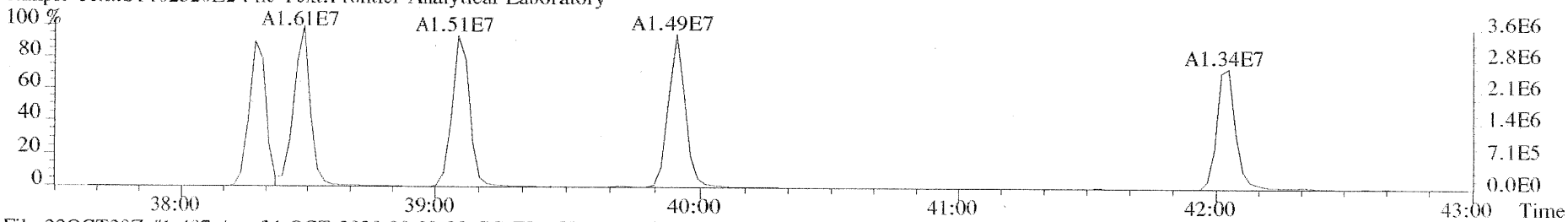
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



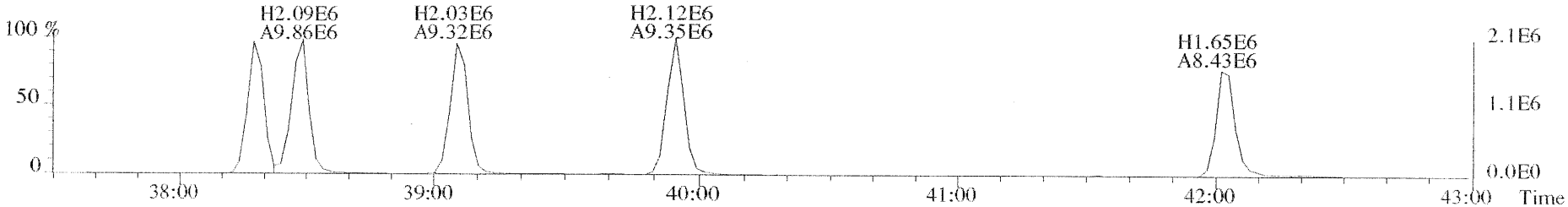
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



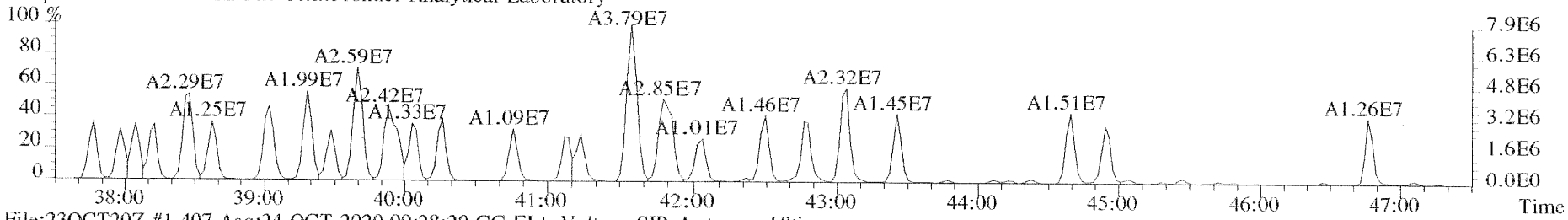
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



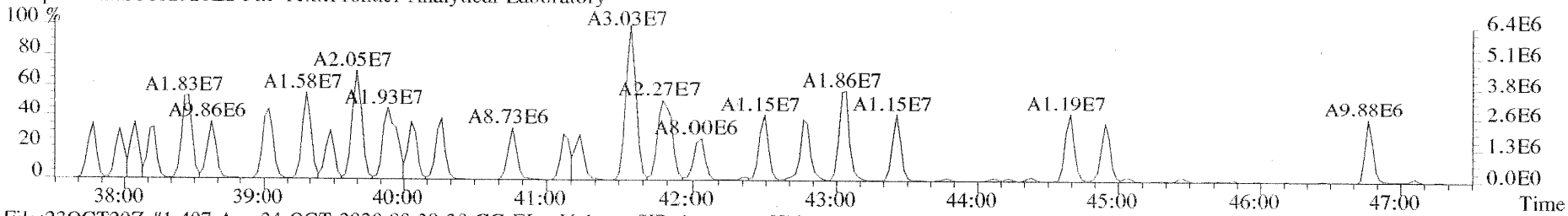
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



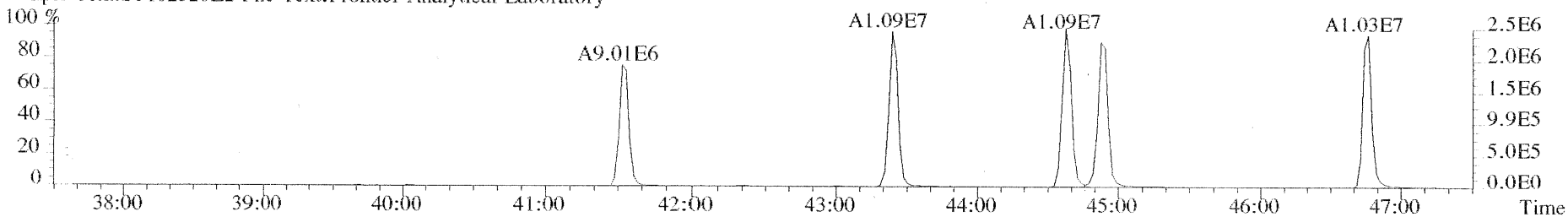
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



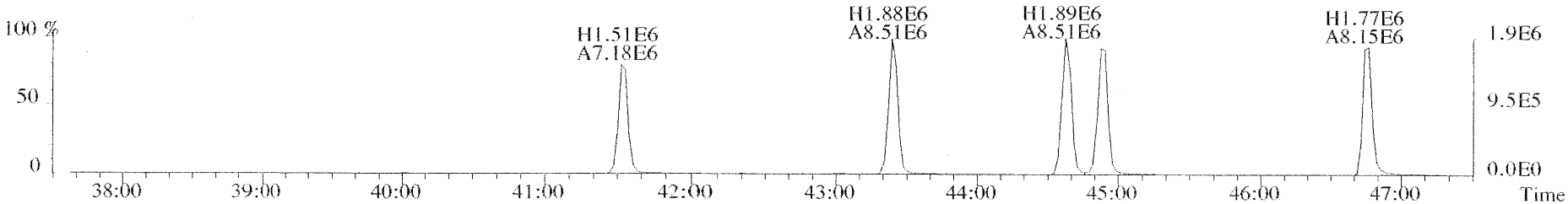
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



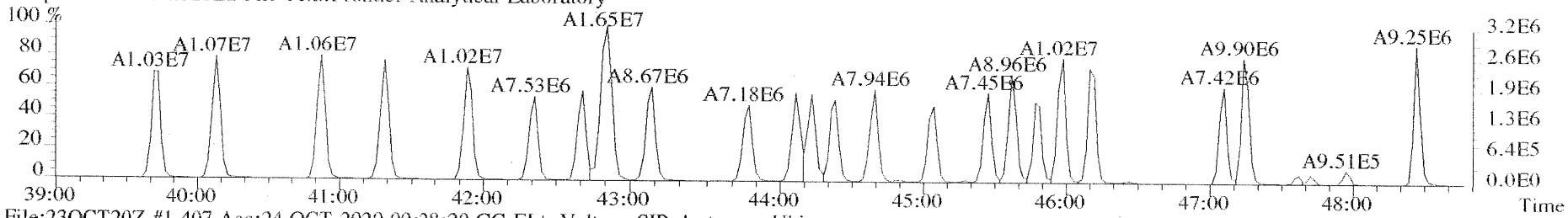
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



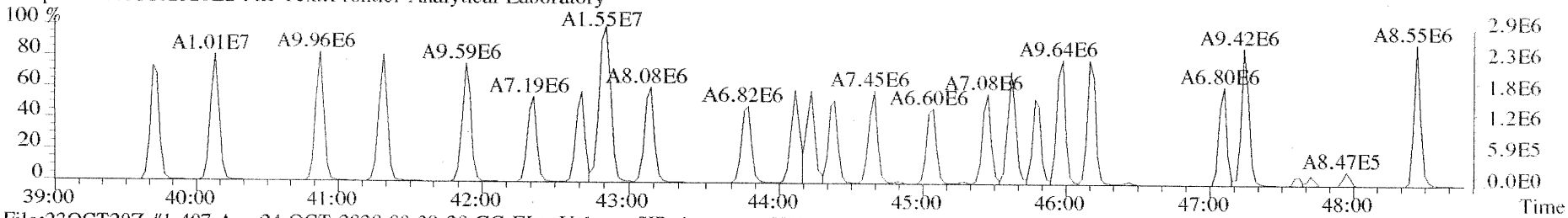
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



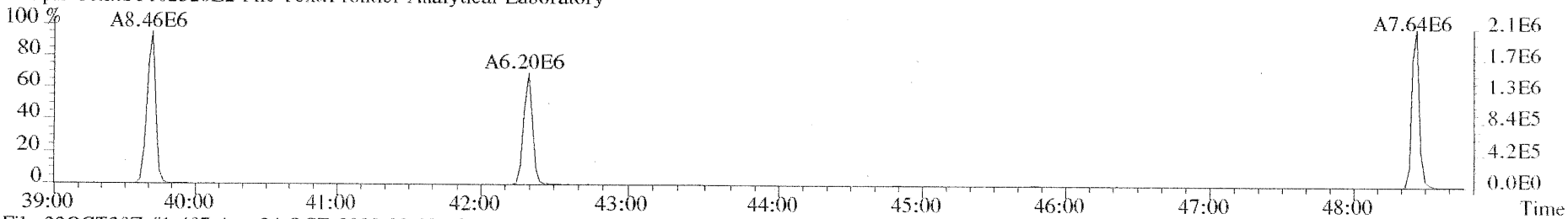
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



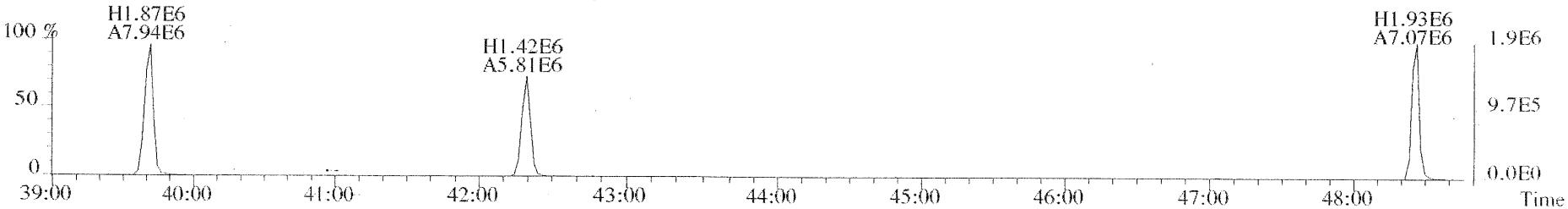
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



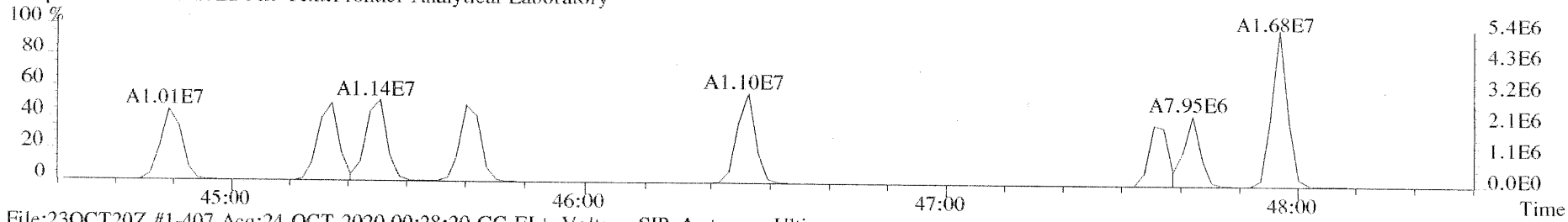
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



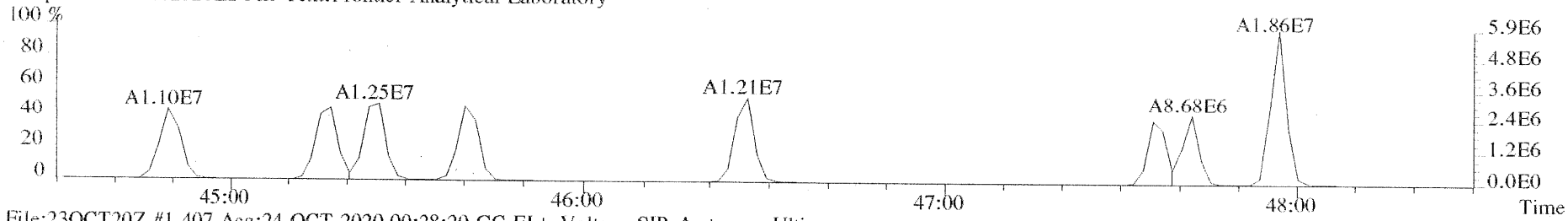
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



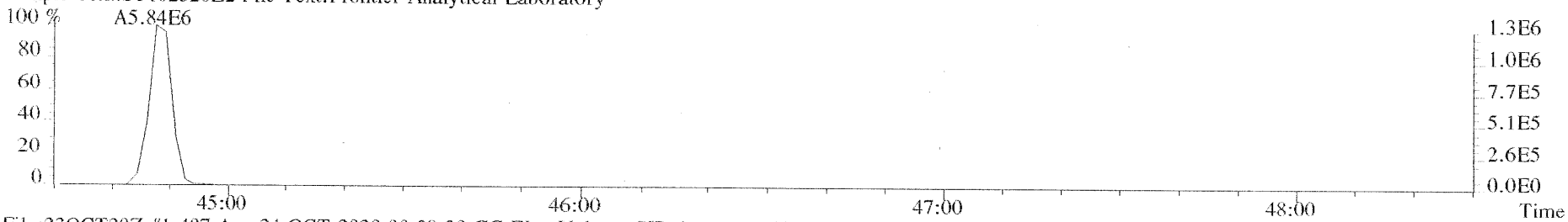
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



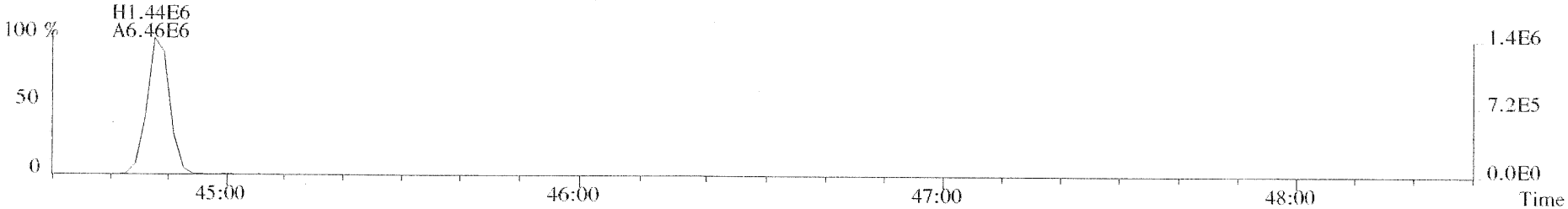
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



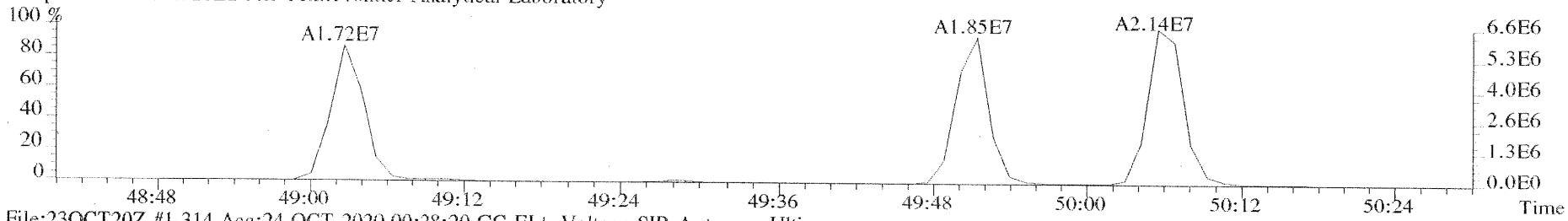
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



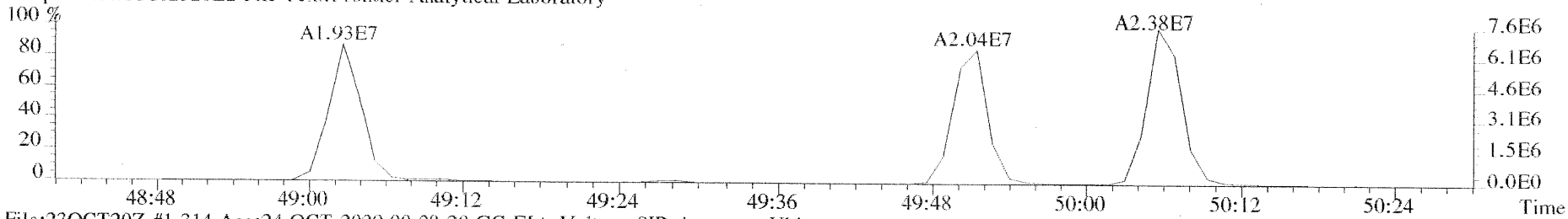
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



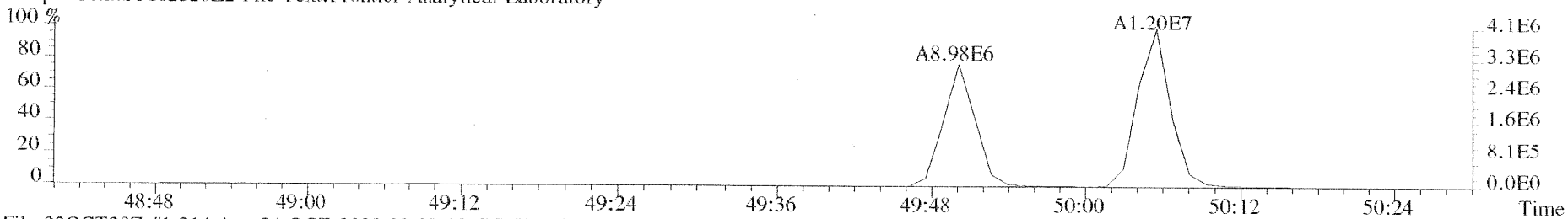
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



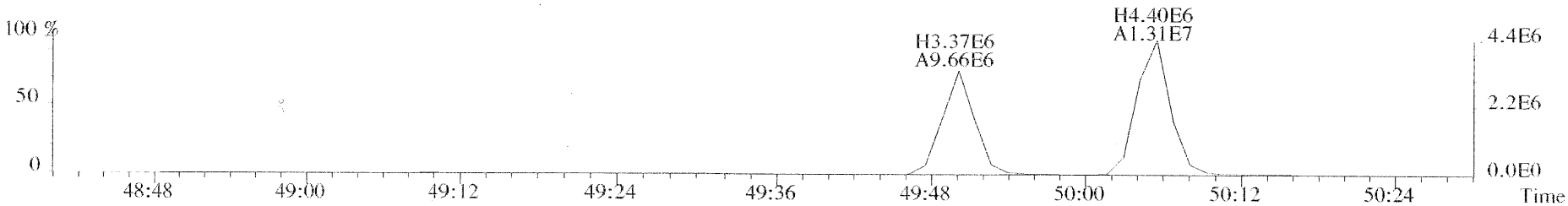
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



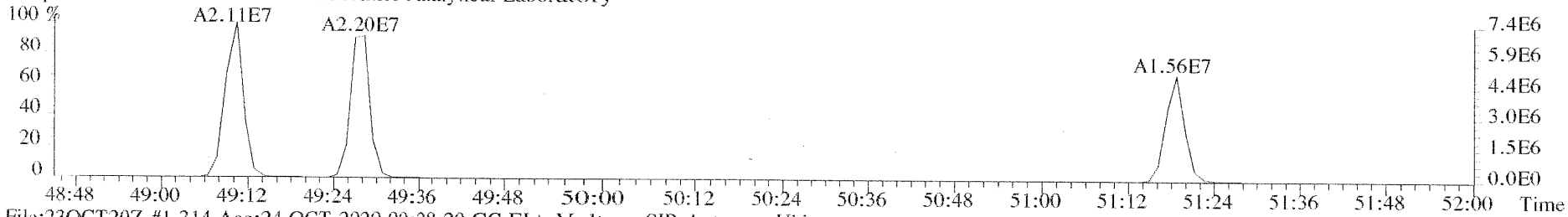
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



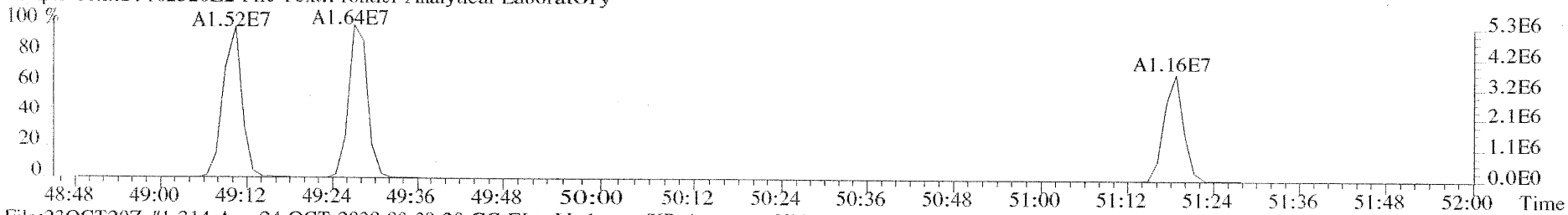
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



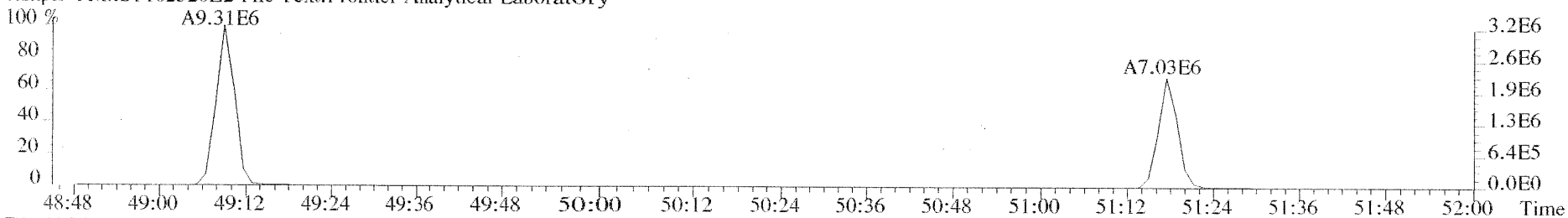
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



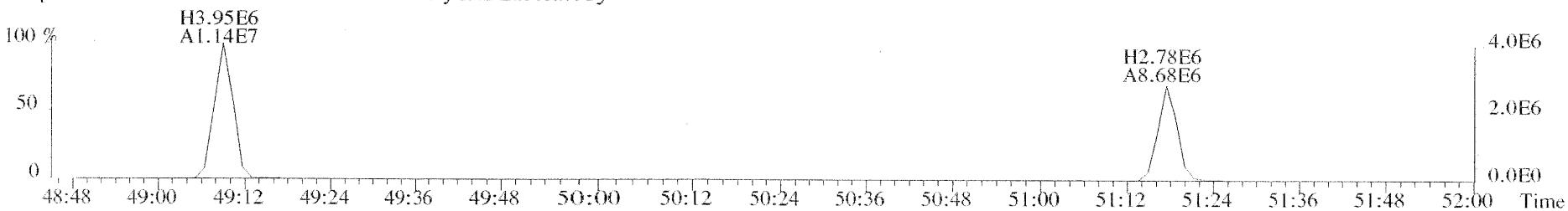
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



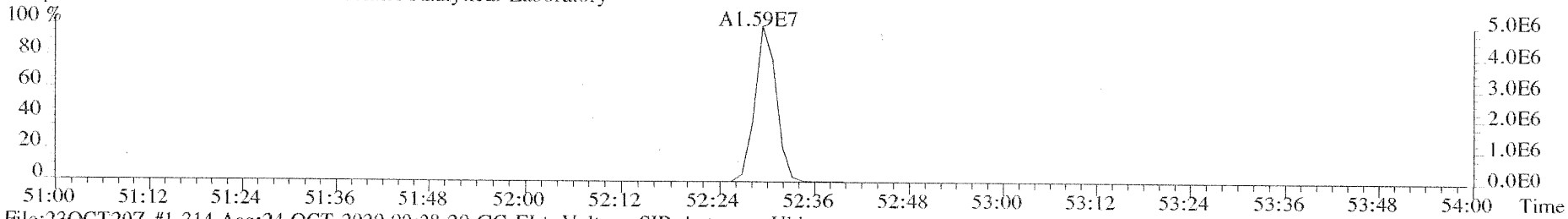
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



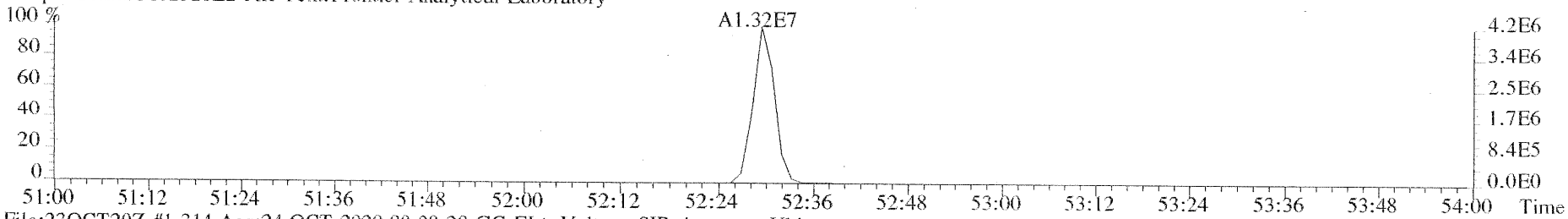
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



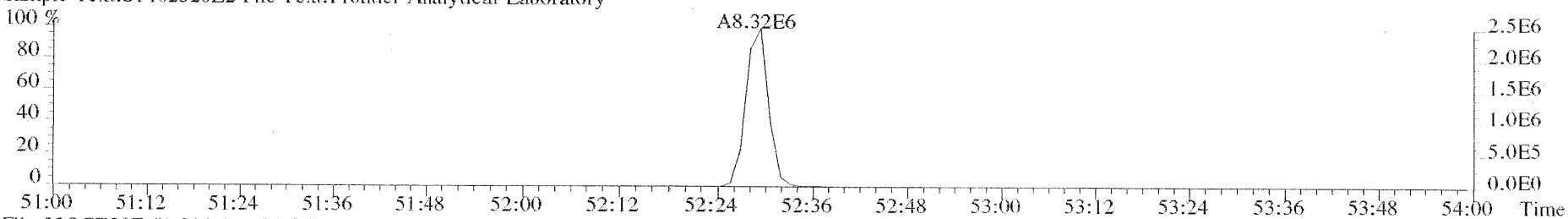
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



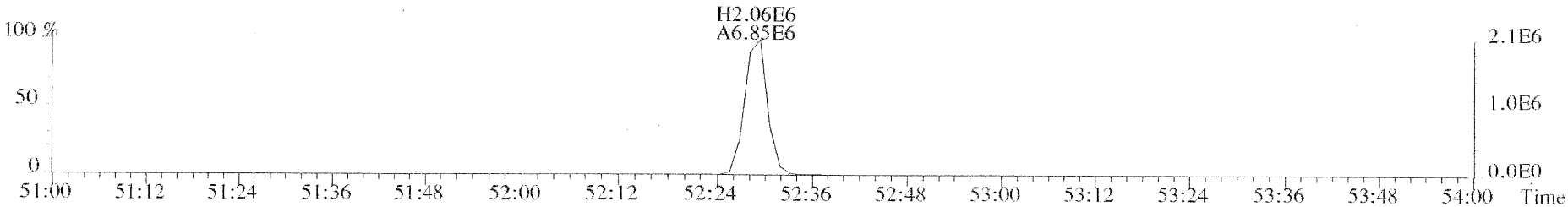
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



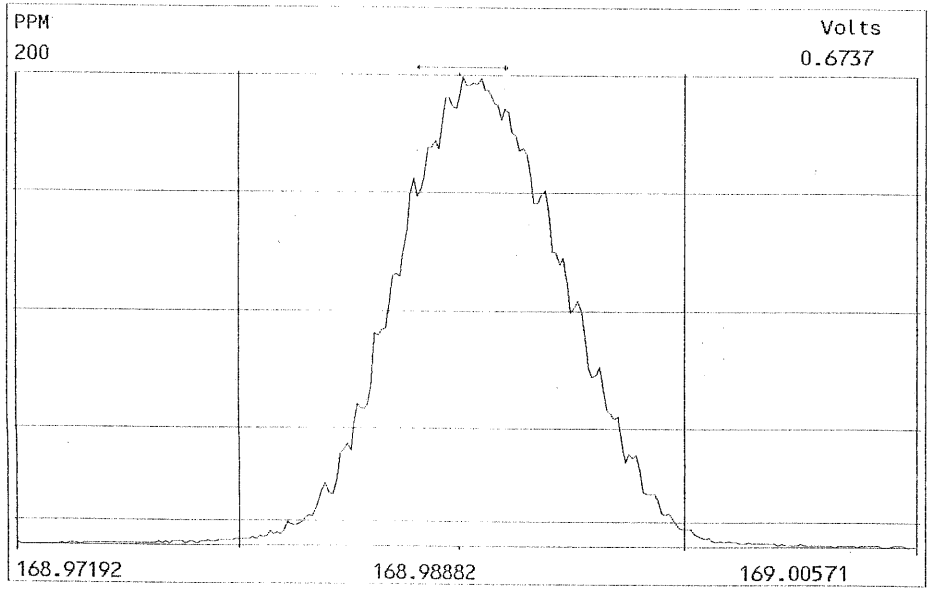
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory

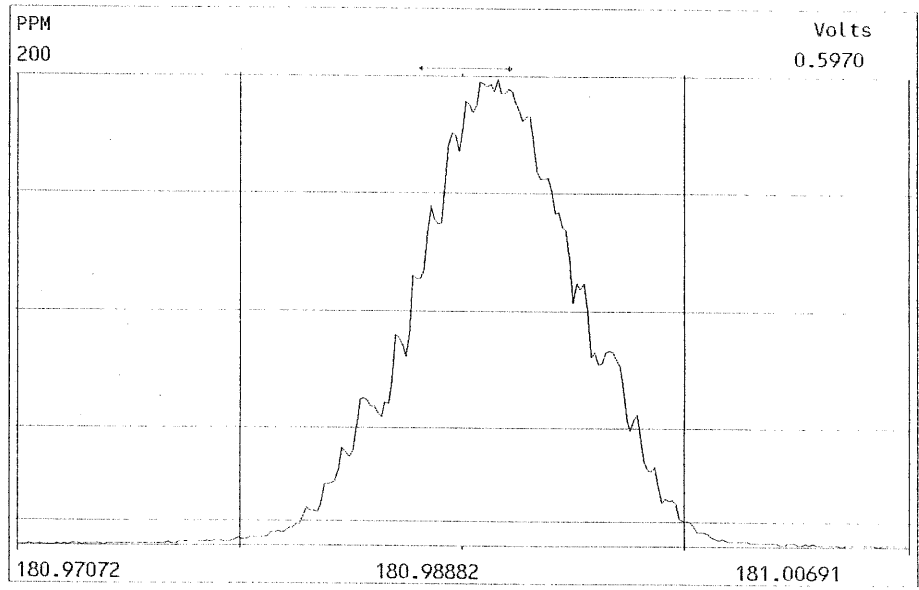


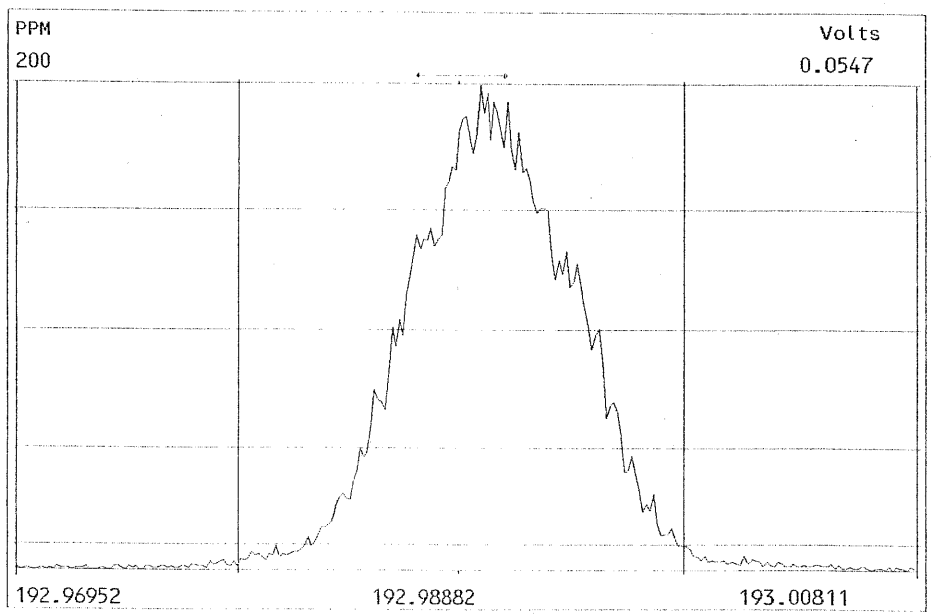
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory

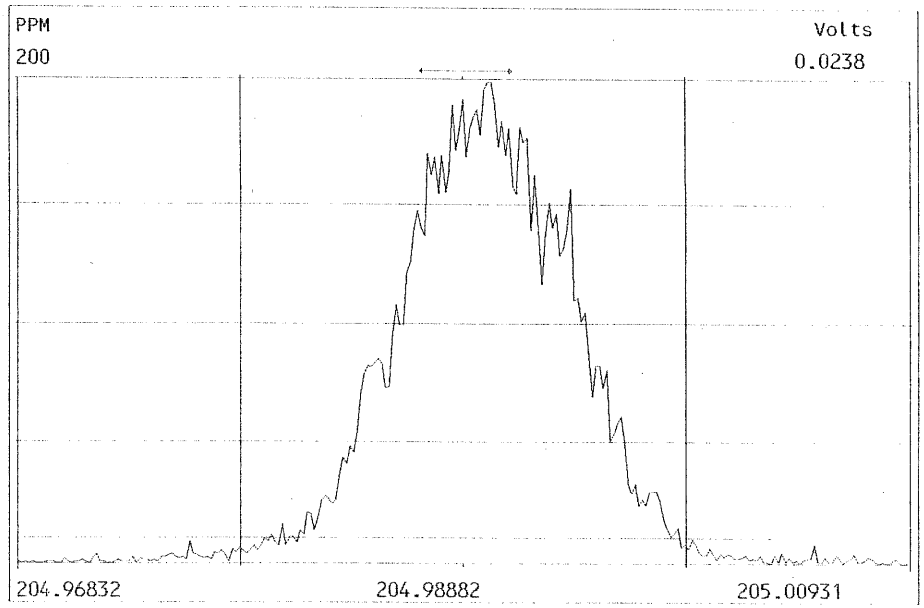


Peak Locate Examination:24-OCT-2020:01:55 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

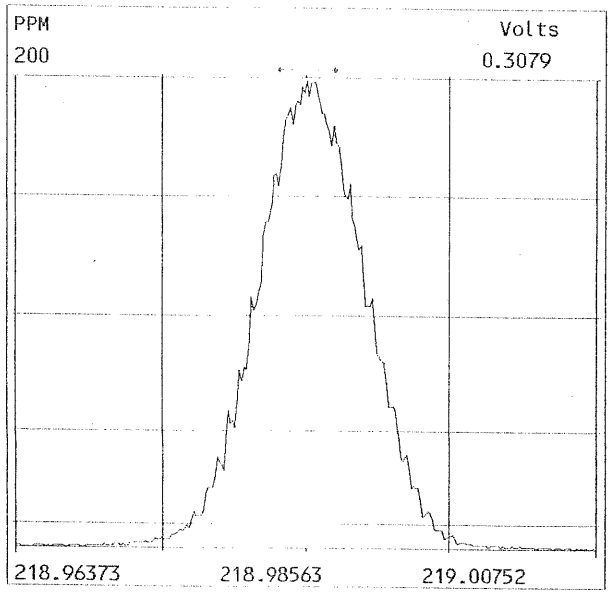


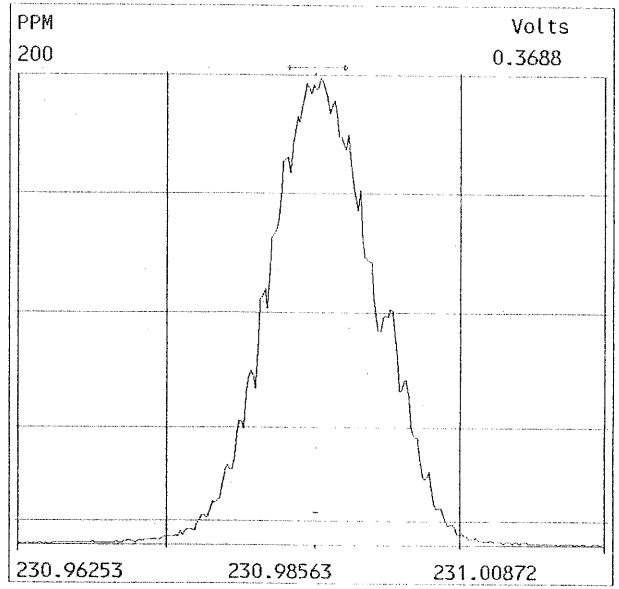


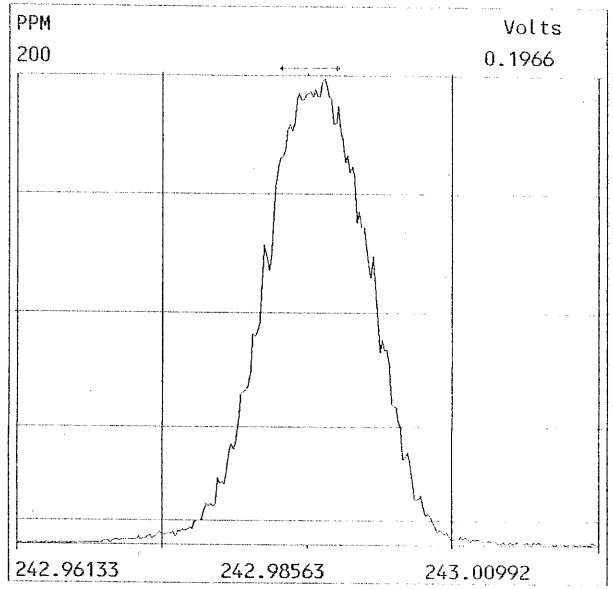


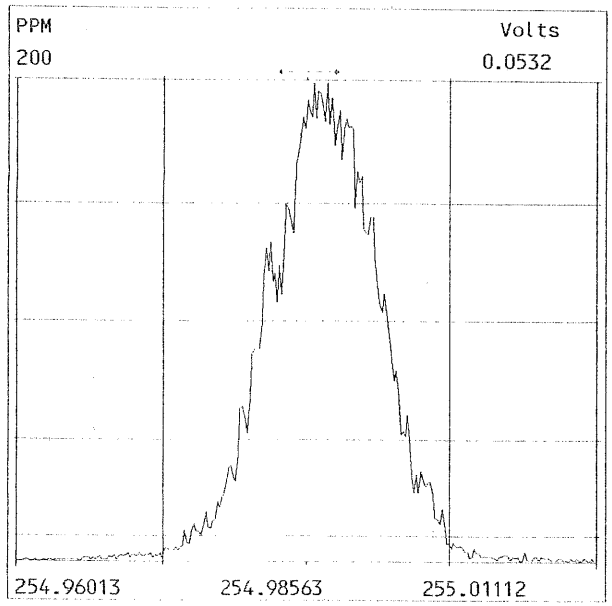


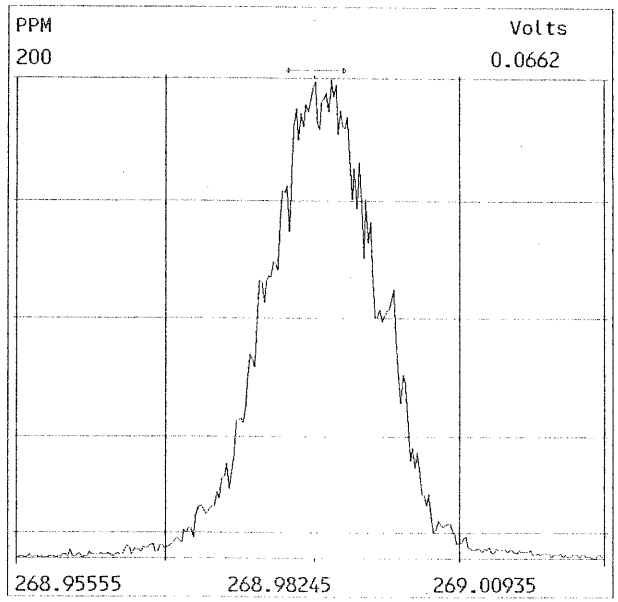
Peak Locate Examination:24-OCT-2020:01:58 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

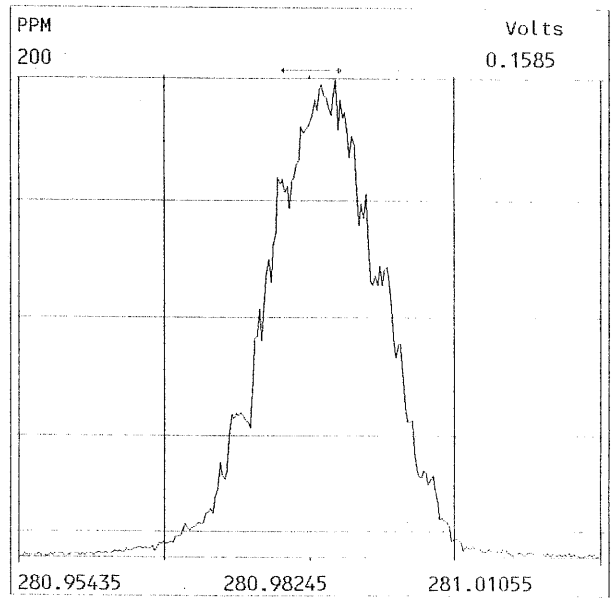




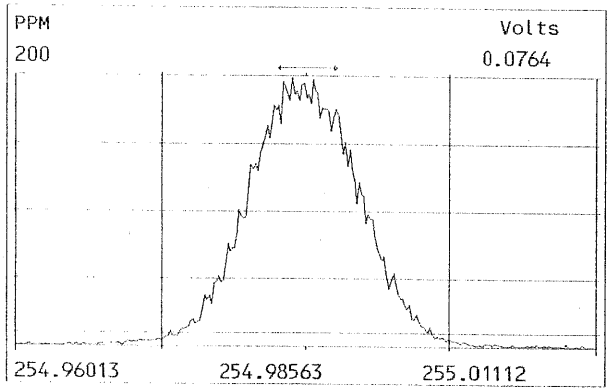


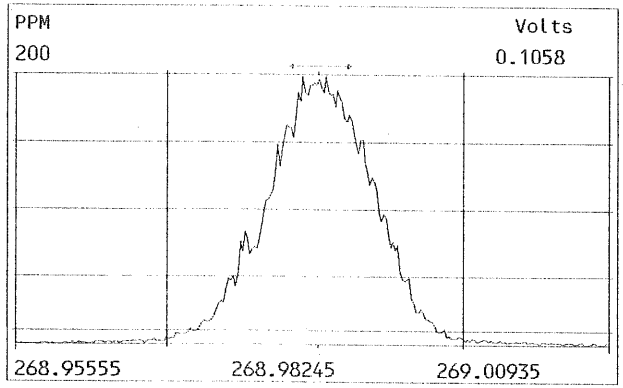


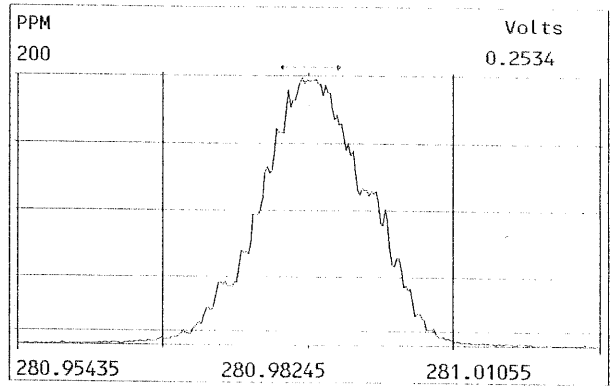


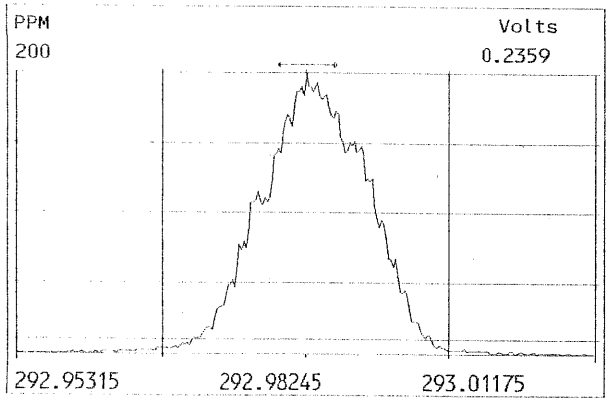


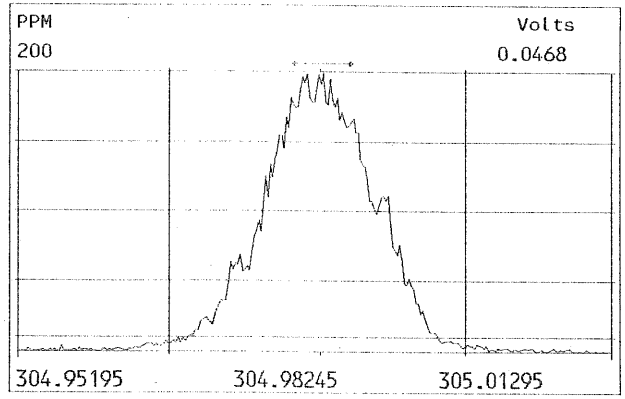
Peak Locate Examination:24-OCT-2020:02:00 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

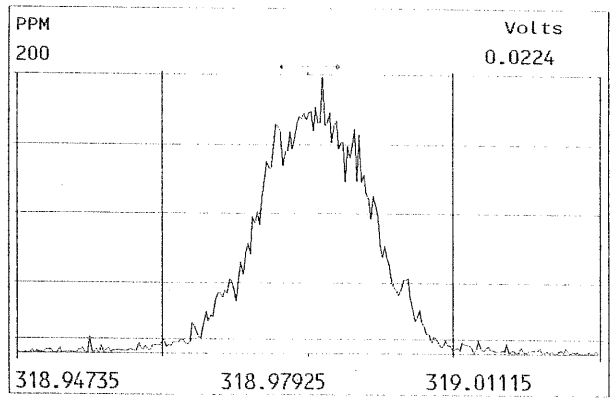


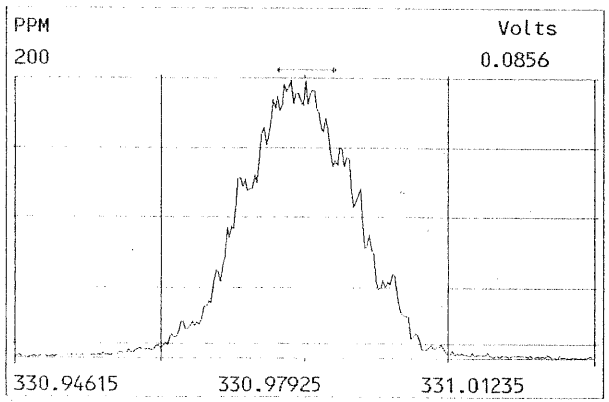


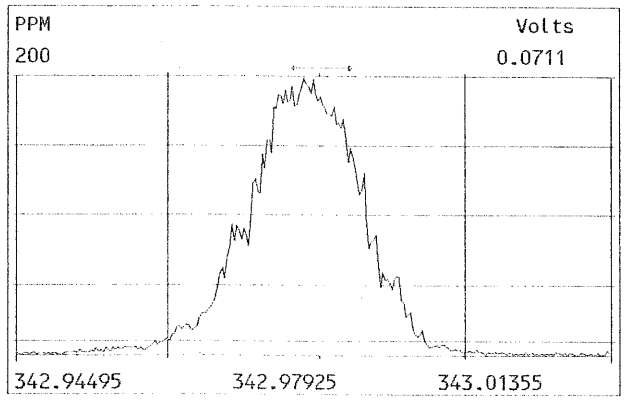




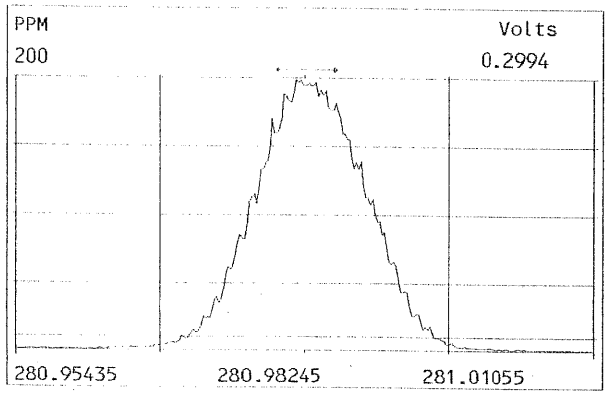


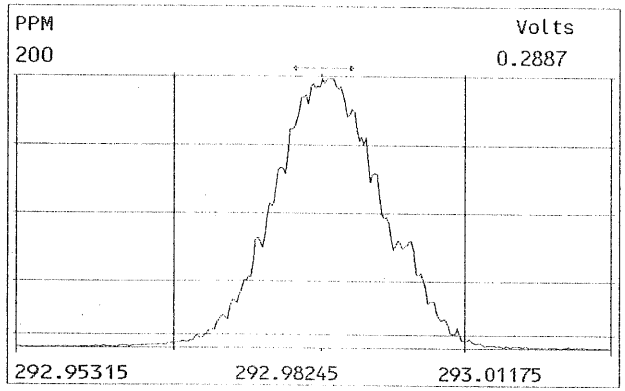


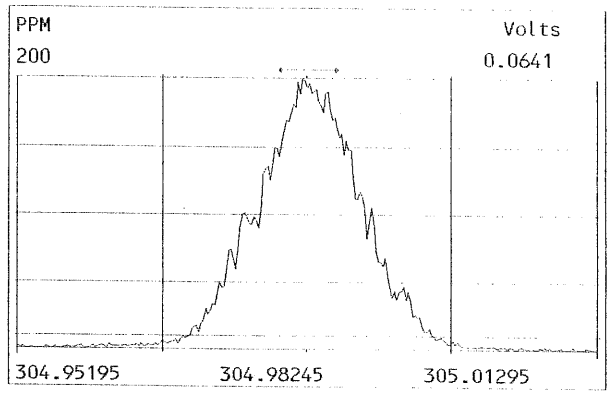


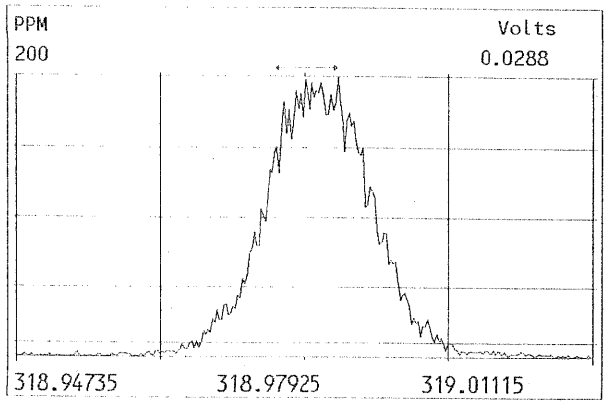


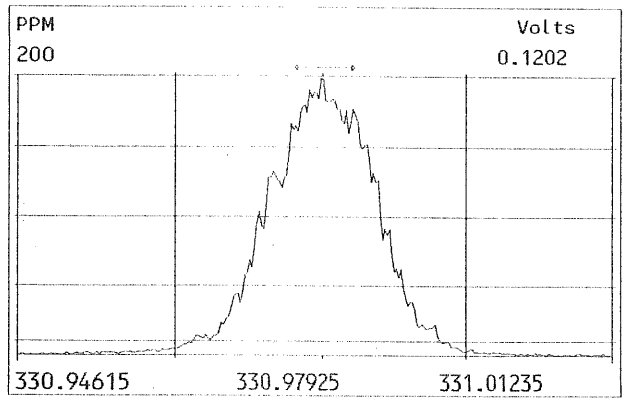
Peak Locate Examination:24-OCT-2020:02:02 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

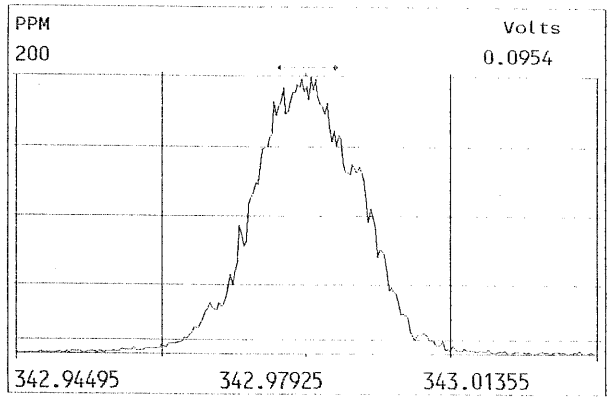


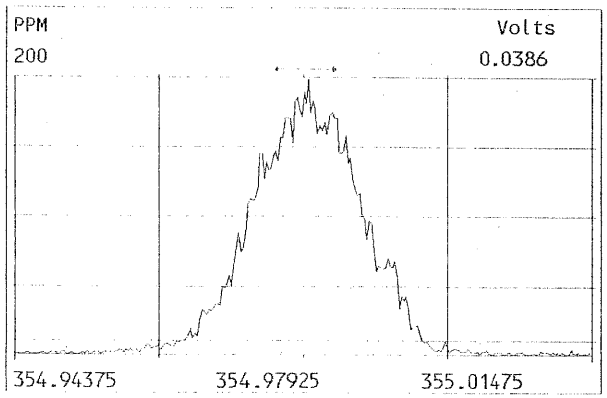


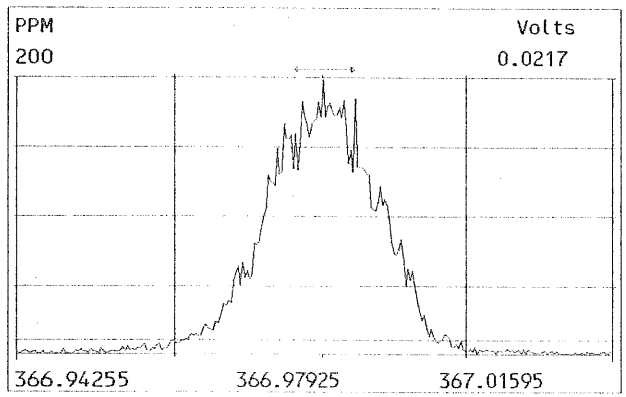


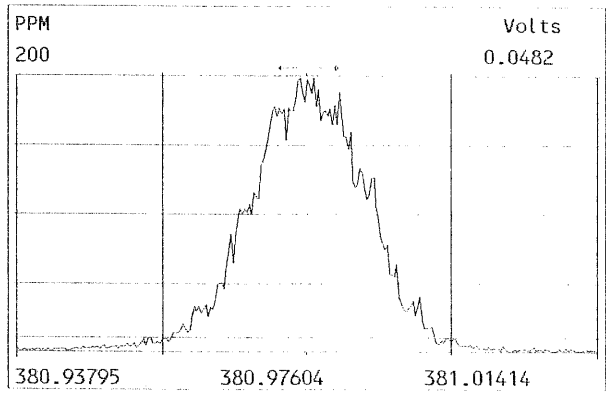




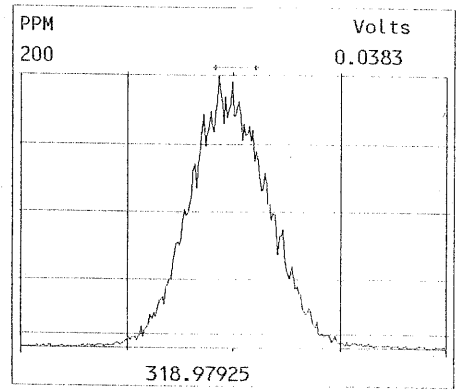


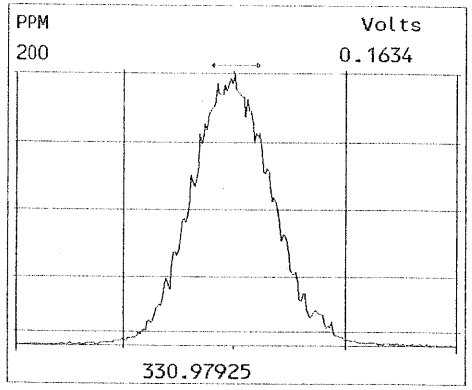


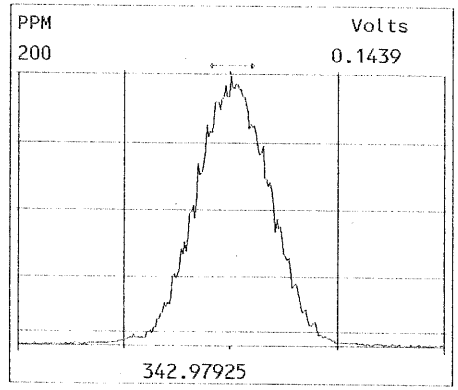


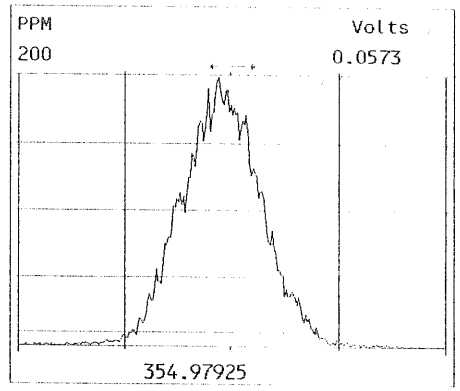


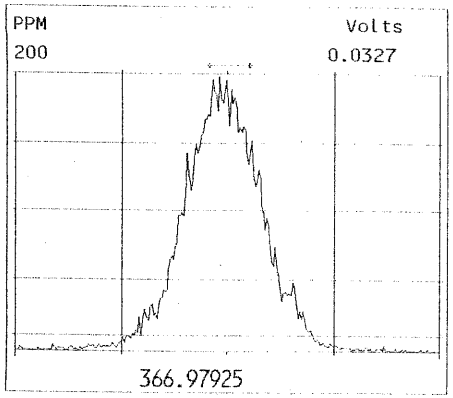
Peak Locate Examination:24-OCT-2020:02:05 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

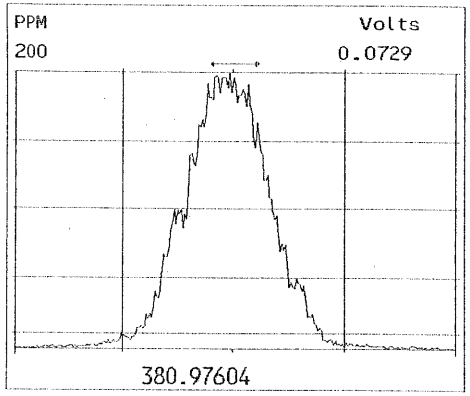


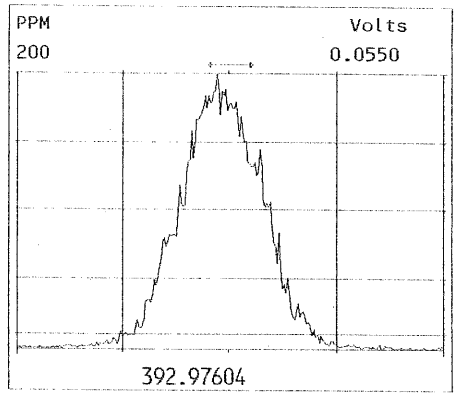


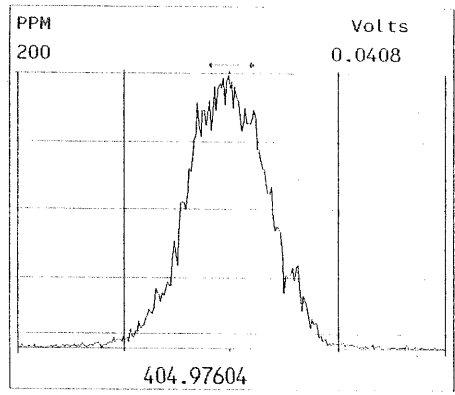


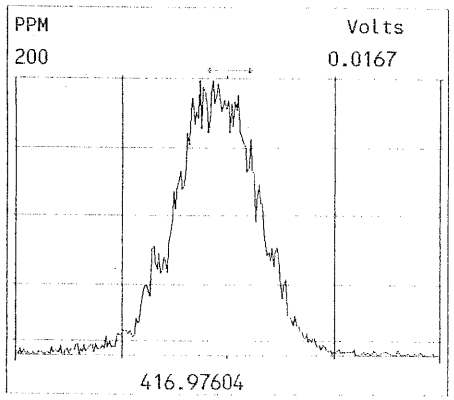


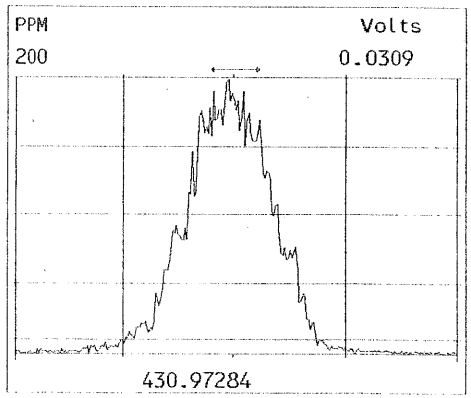


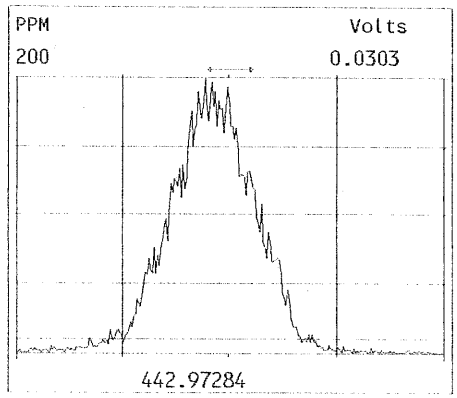




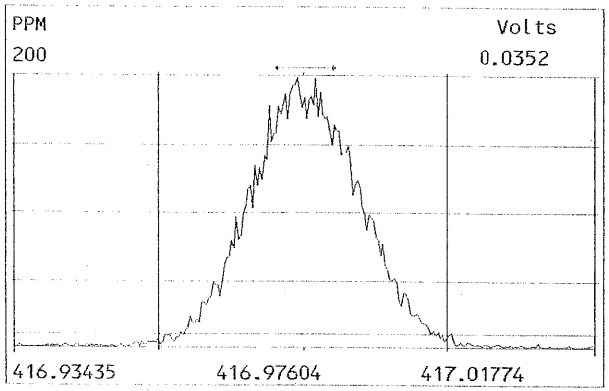


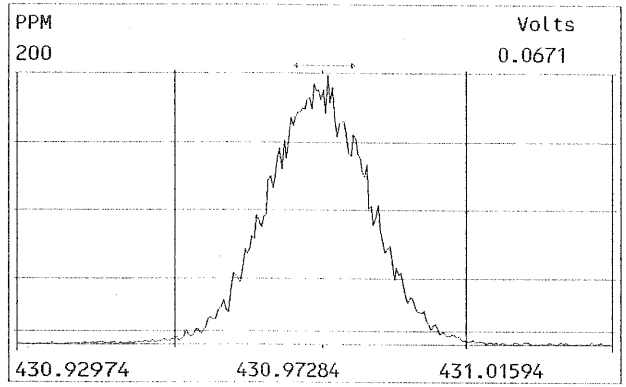


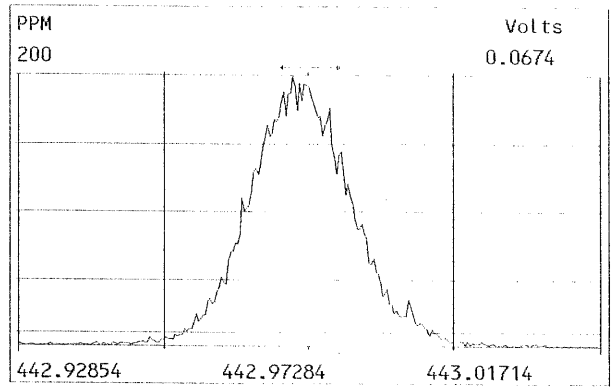


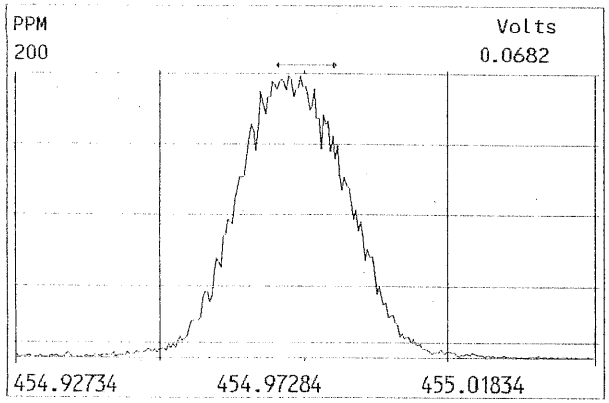


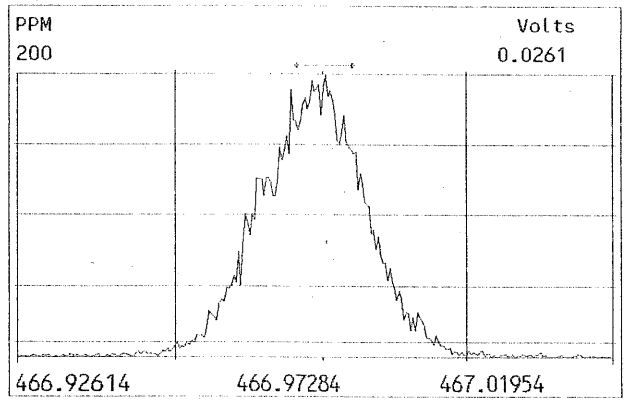
Peak Locate Examination:24-OCT-2020:02:07 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

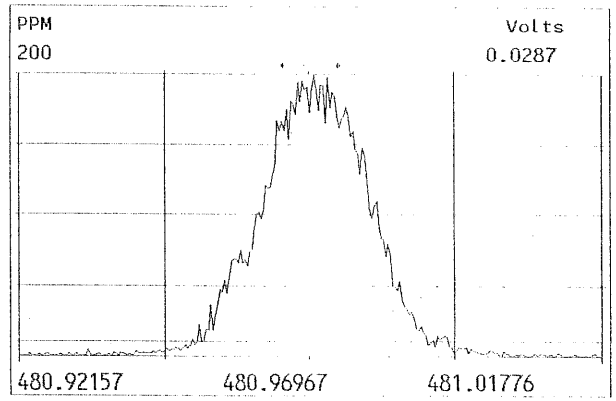


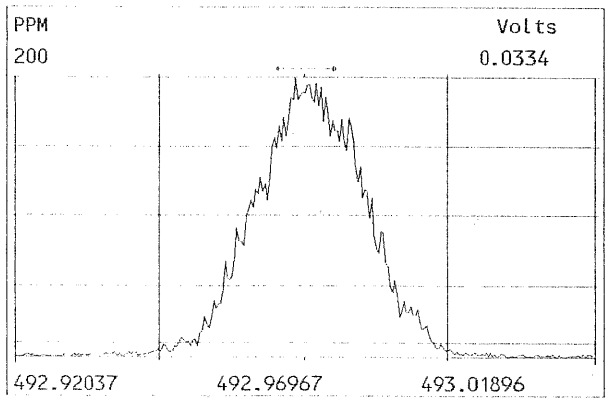


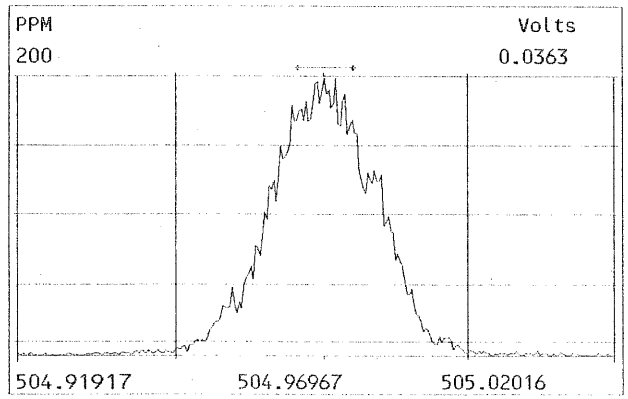


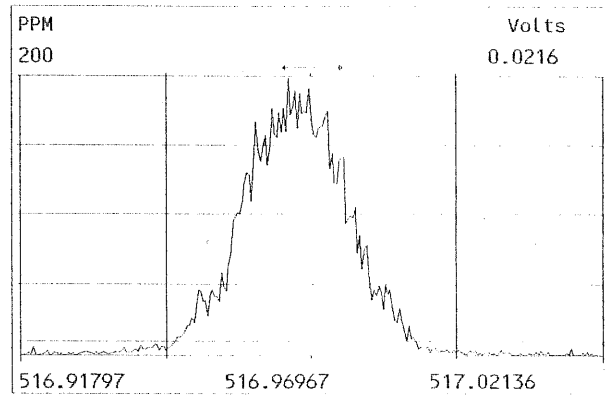












Cal: DAILY209FAL4-10-26-20

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: 10/28/80

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: 10/28/20

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: 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: _____ 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: 10/27/20

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

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: [illegible] 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

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	3.35	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: _____ Date: 10/26/20

FAL ID: ST10262OZ2 Filename: 26OCT20Z Sam:15 Acquired: 26-OCT-20 23:37:02 ICal: DAILY209FAL4-10-26-20 1 of 2
Client ID: CS209 200406A ConCal: ST10262OZ1 EndCal: ST10262OZ2
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: DAILY209FAL4-10-26-202 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

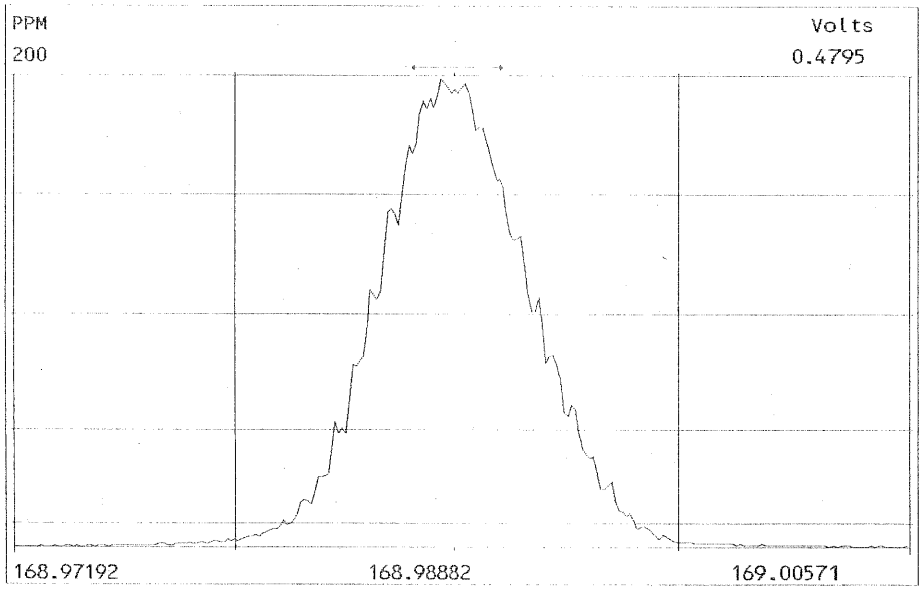
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
26OCT20Z	1	ST102620Z1	CS209 200406A	26-OCT-20 09:58:45	ST102620Z1	ST102620Z2	BS
26OCT20Z	2	05493-001-0001-OPR	OPR	26-OCT-20 10:58:26	ST102620Z1	ST102620Z2	BS
26OCT20Z	3	05493-001-0001-MB	Method Blank	26-OCT-20 11:56:47	ST102620Z1	ST102620Z2	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

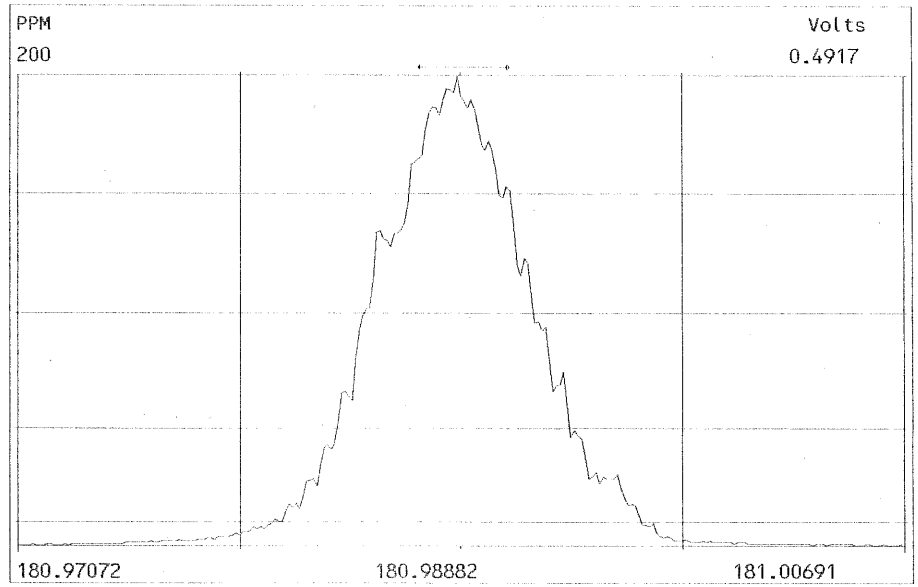
10/27/20

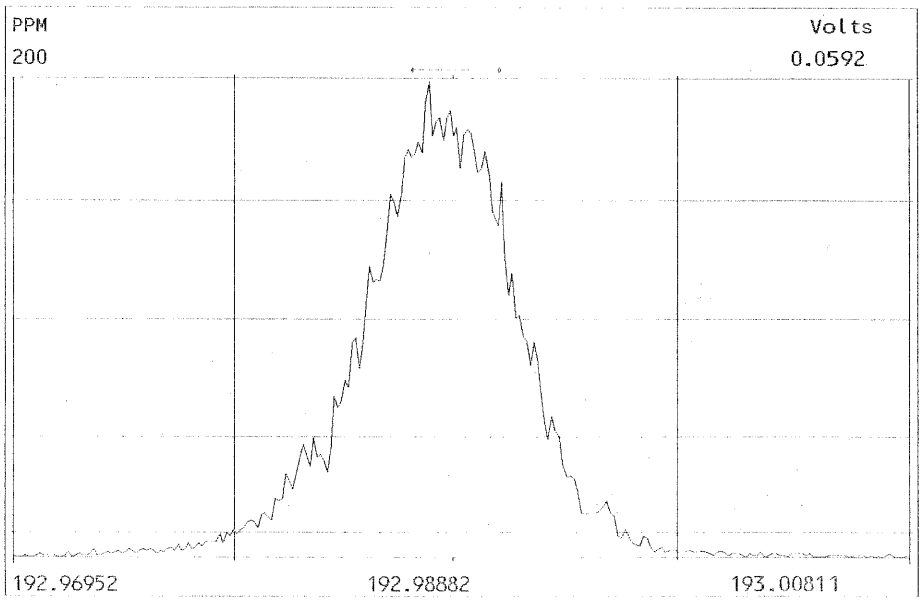
Data Backed Up:_____

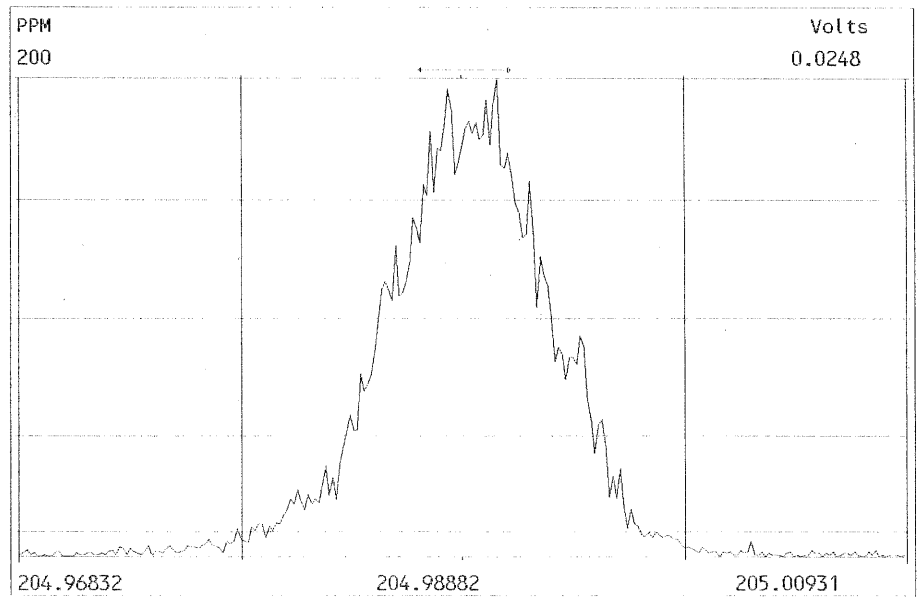
Date:_____

Peak Locate Examination:26-OCT-2020:09:55 File:26OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

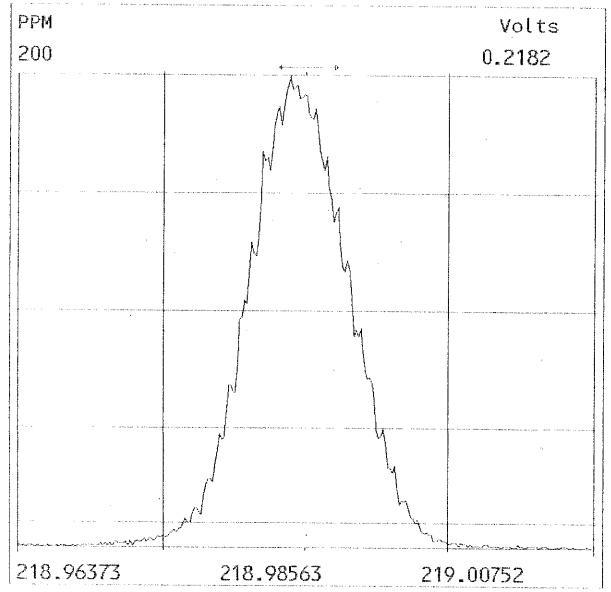


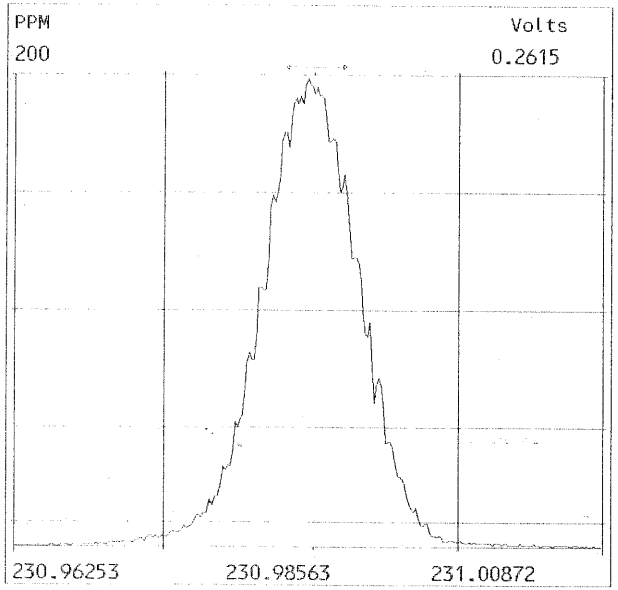


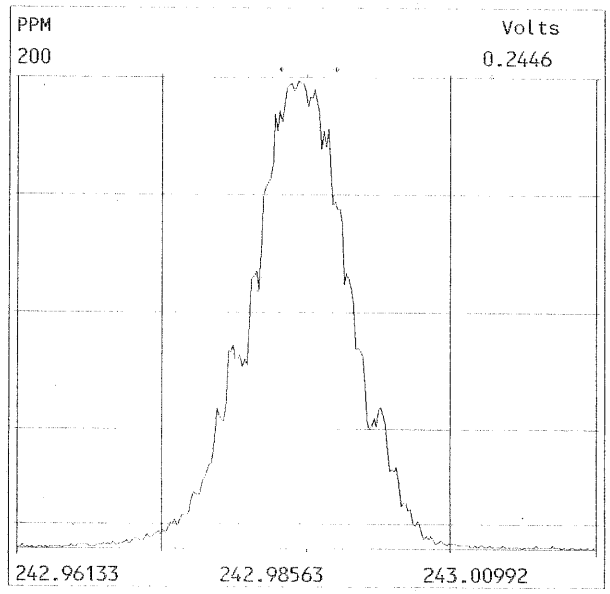


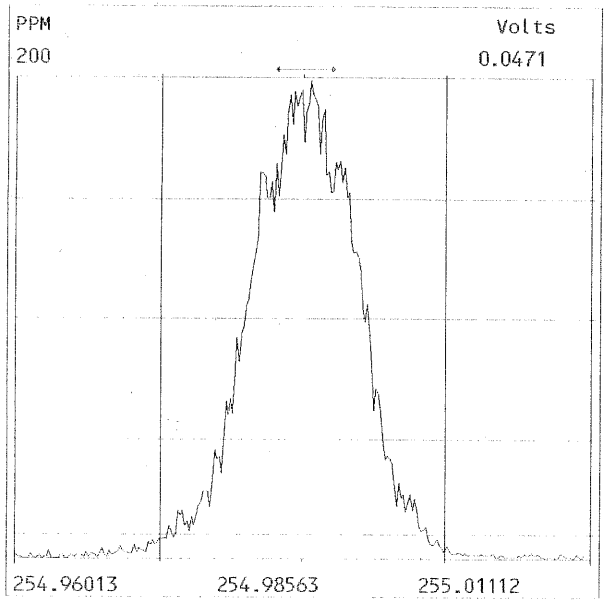


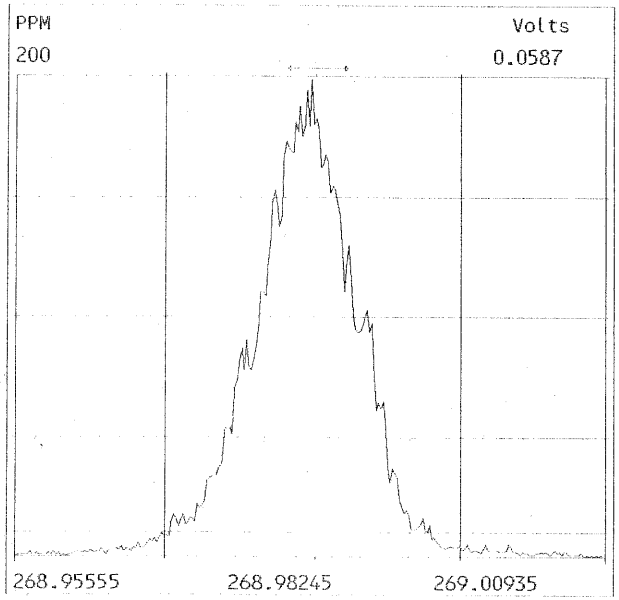
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

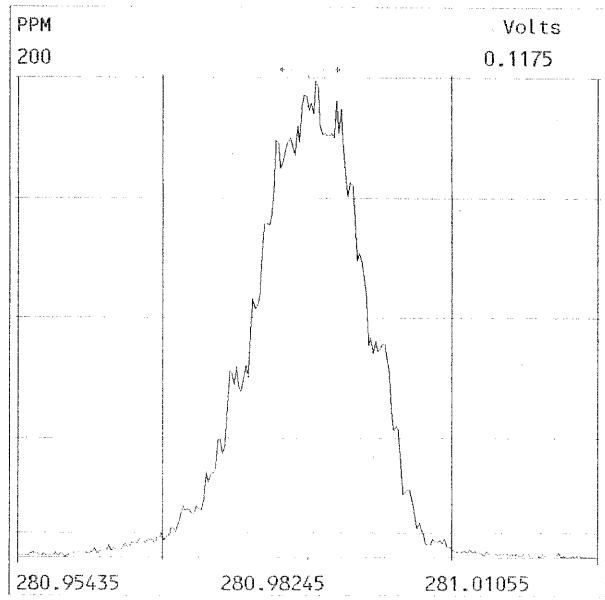




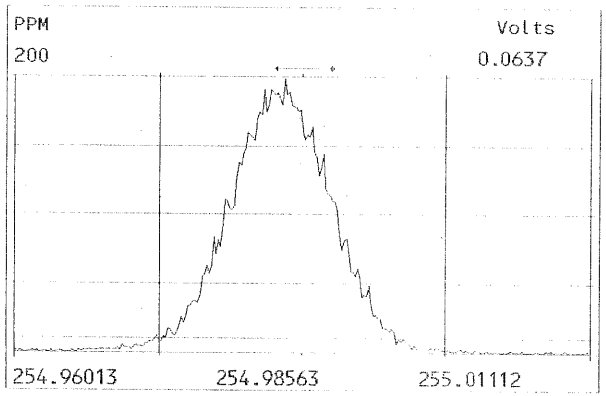


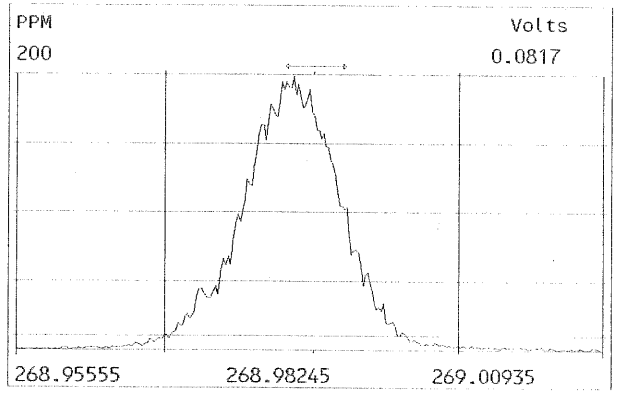


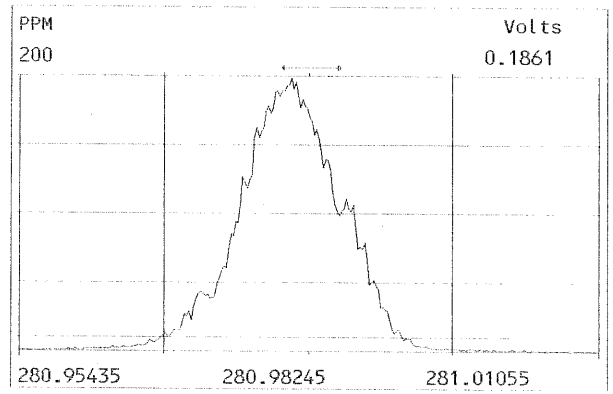


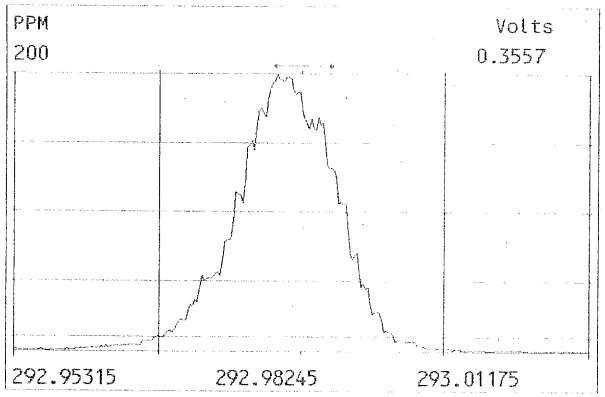


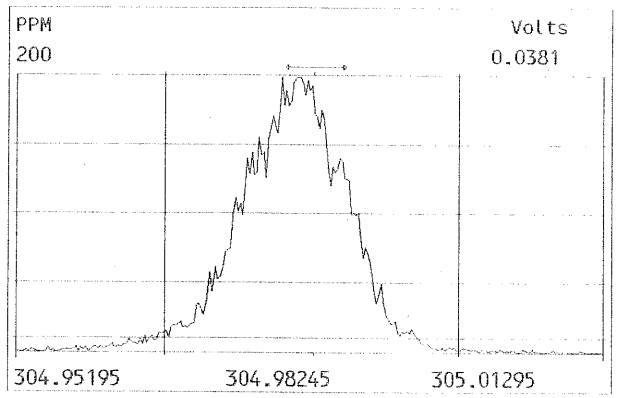
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

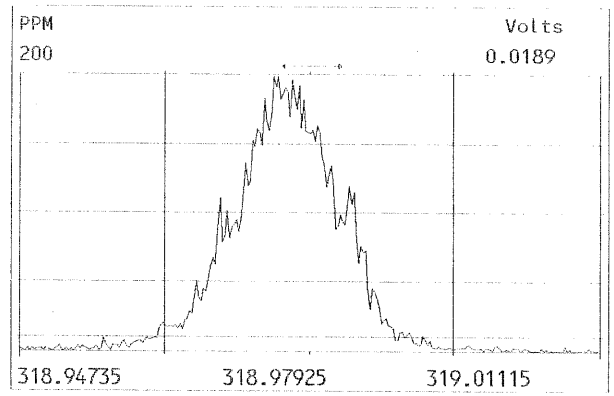


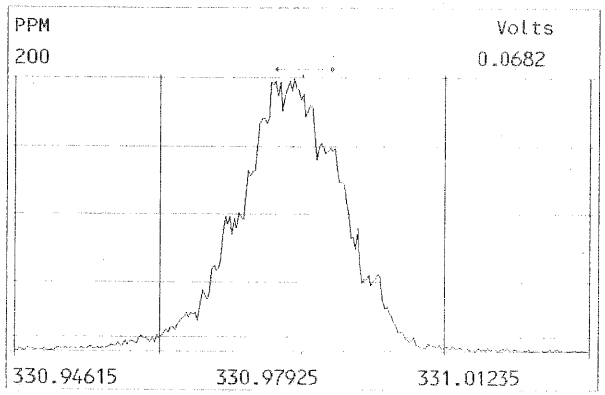


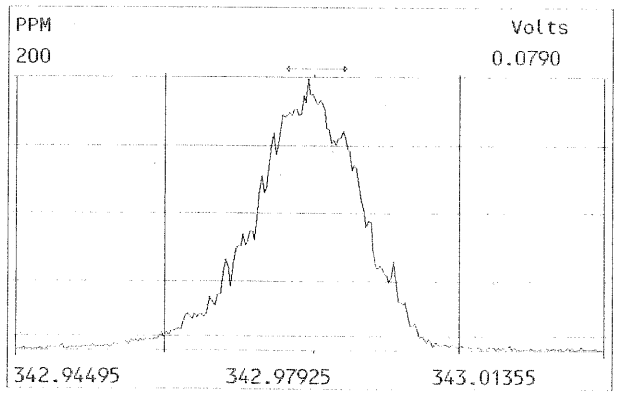




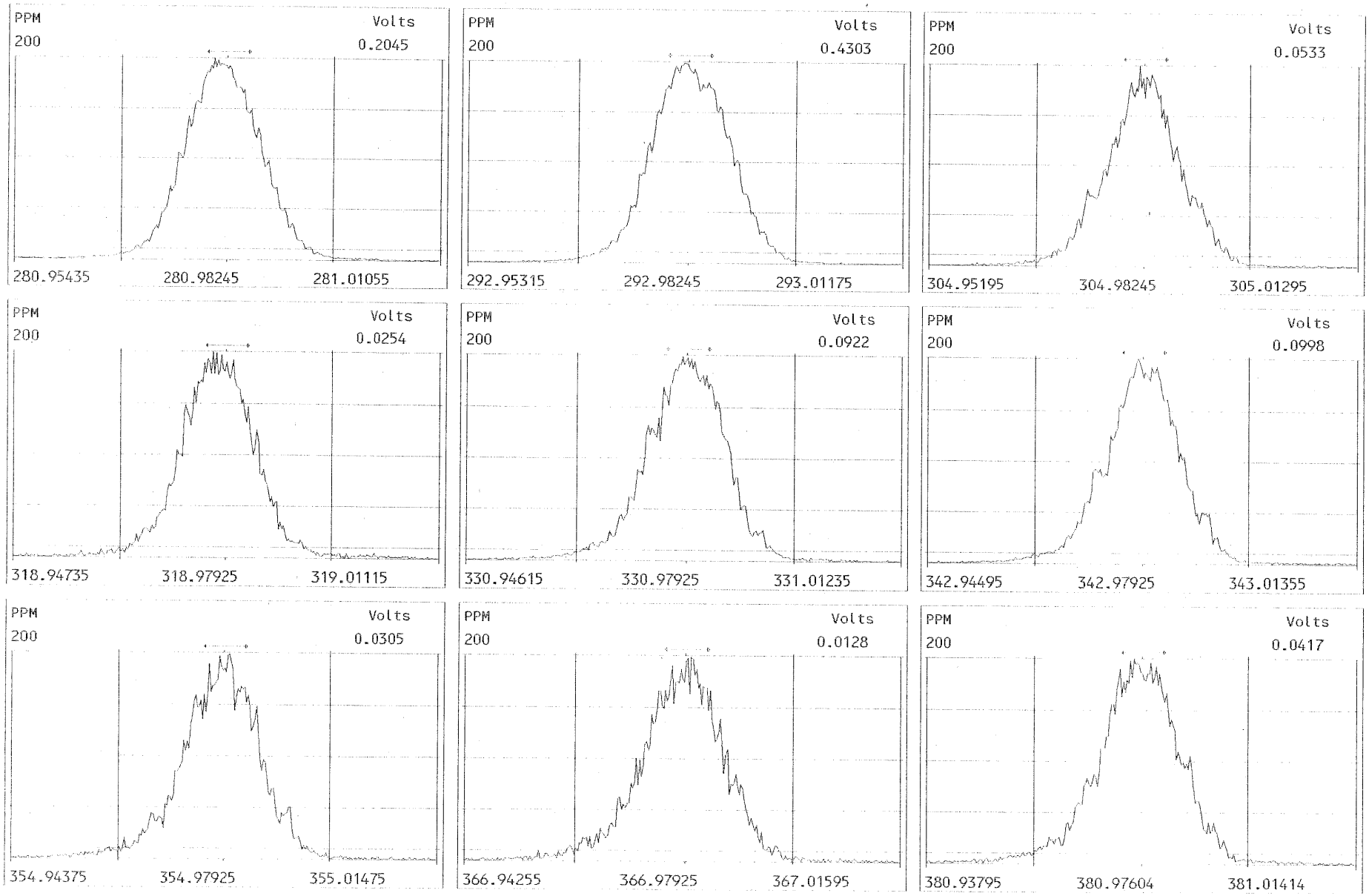




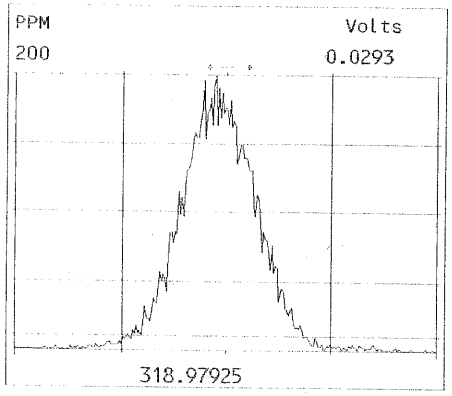


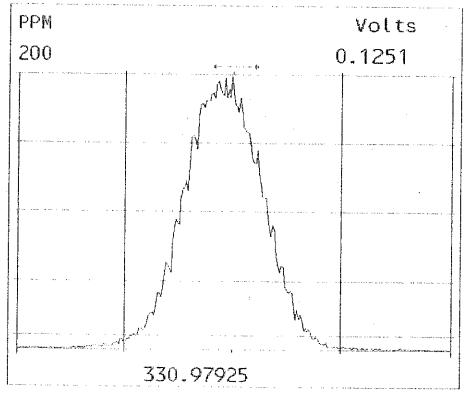


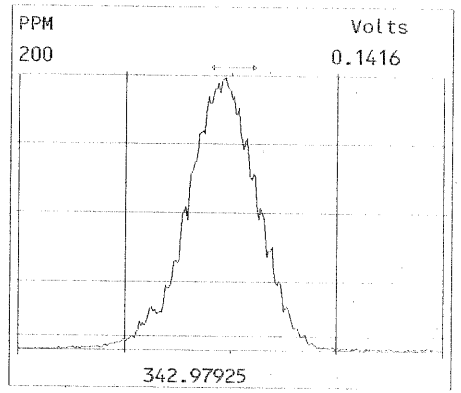
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

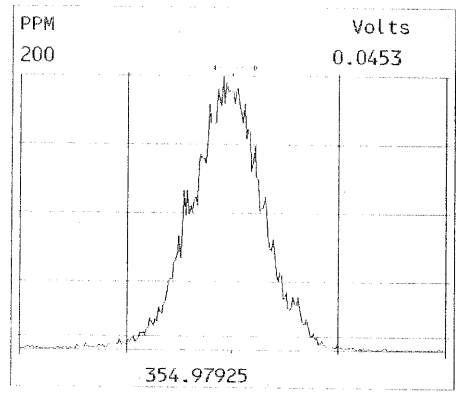


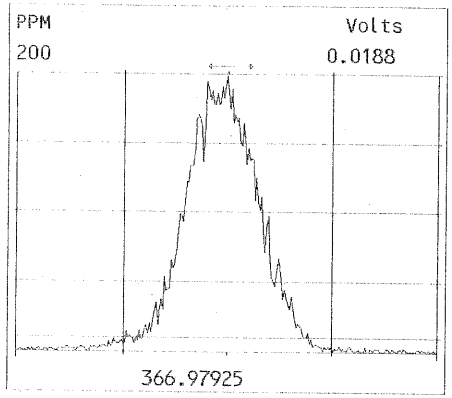
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

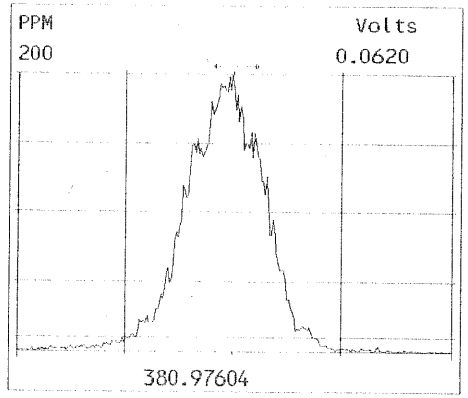


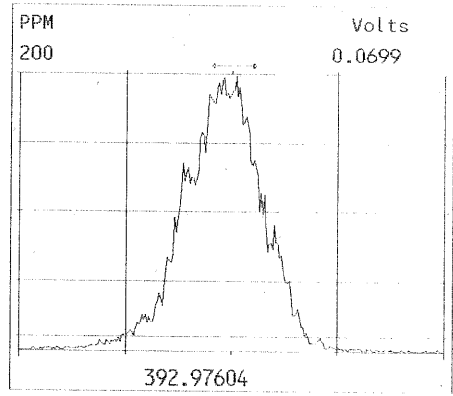


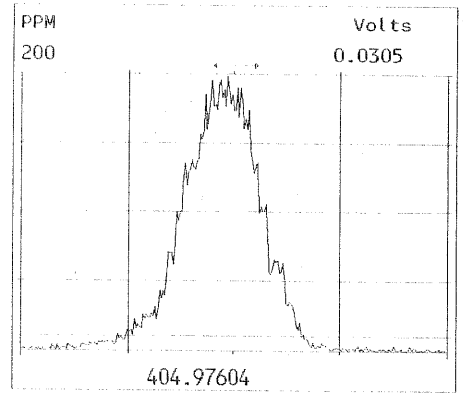


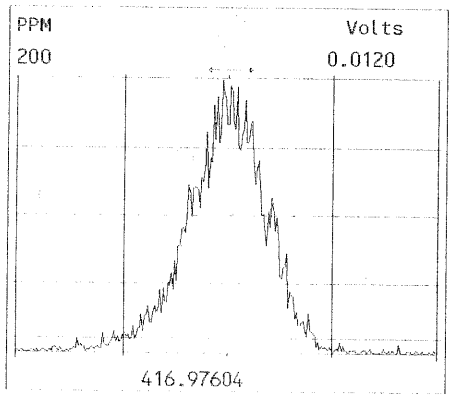


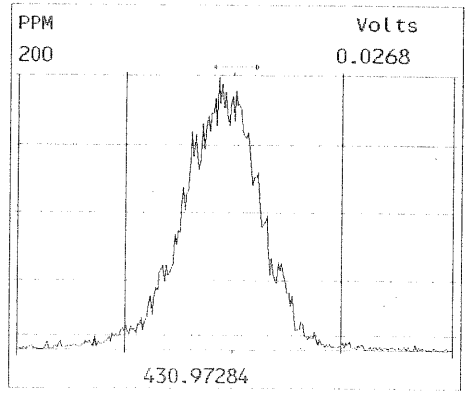


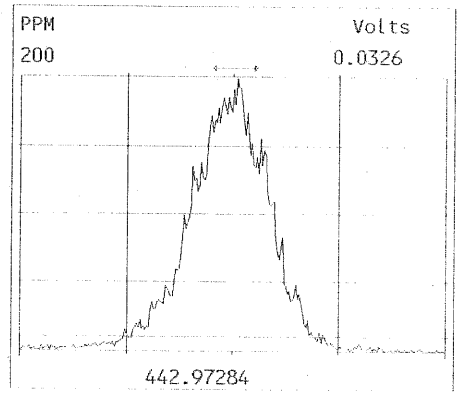




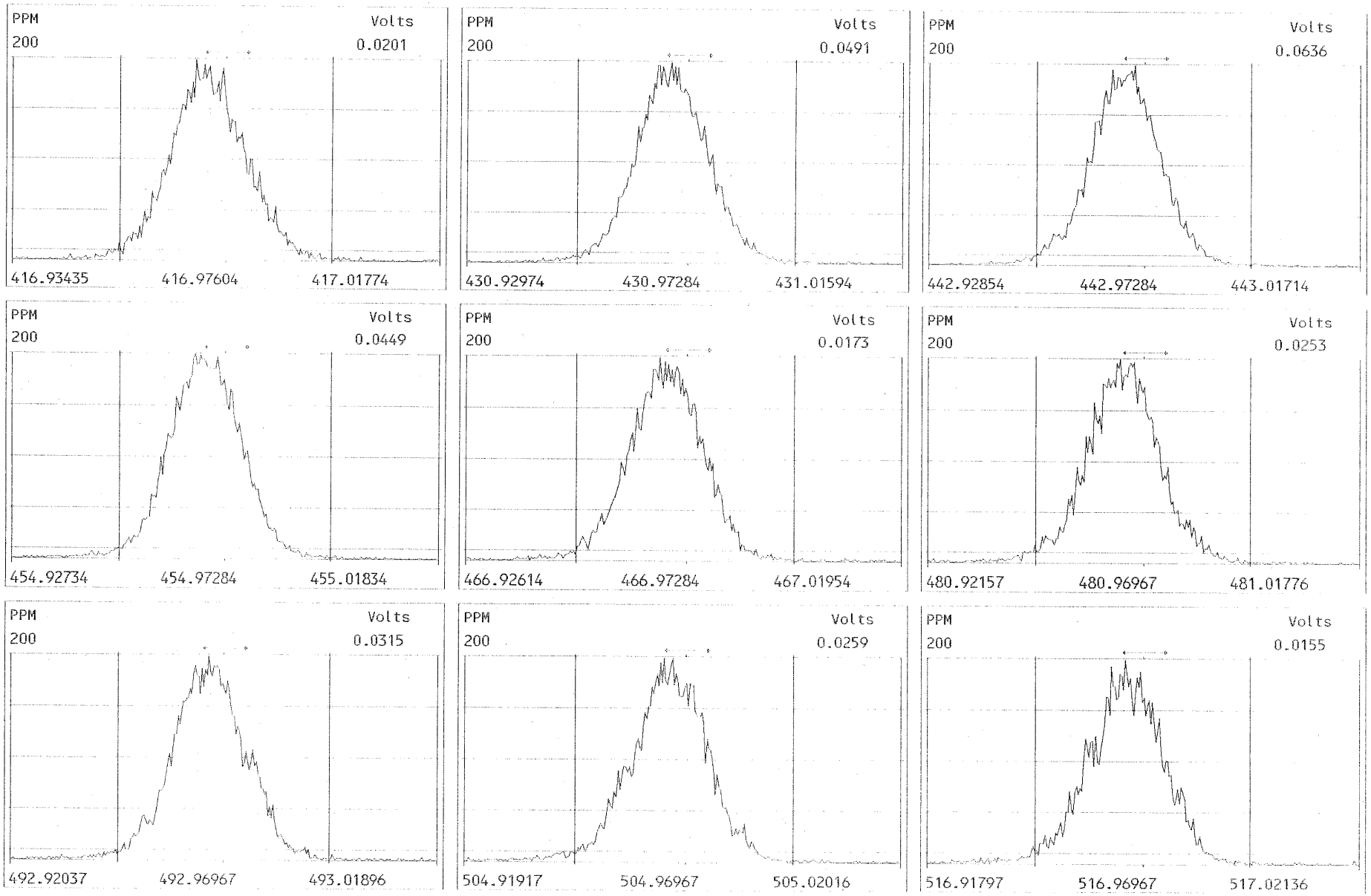




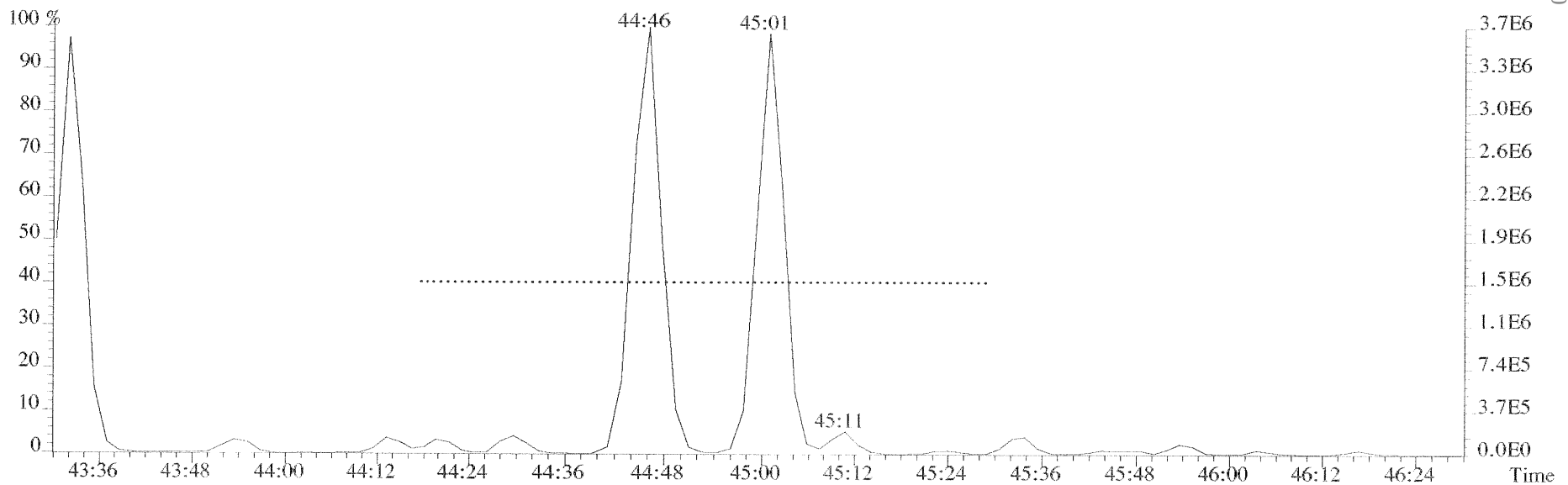




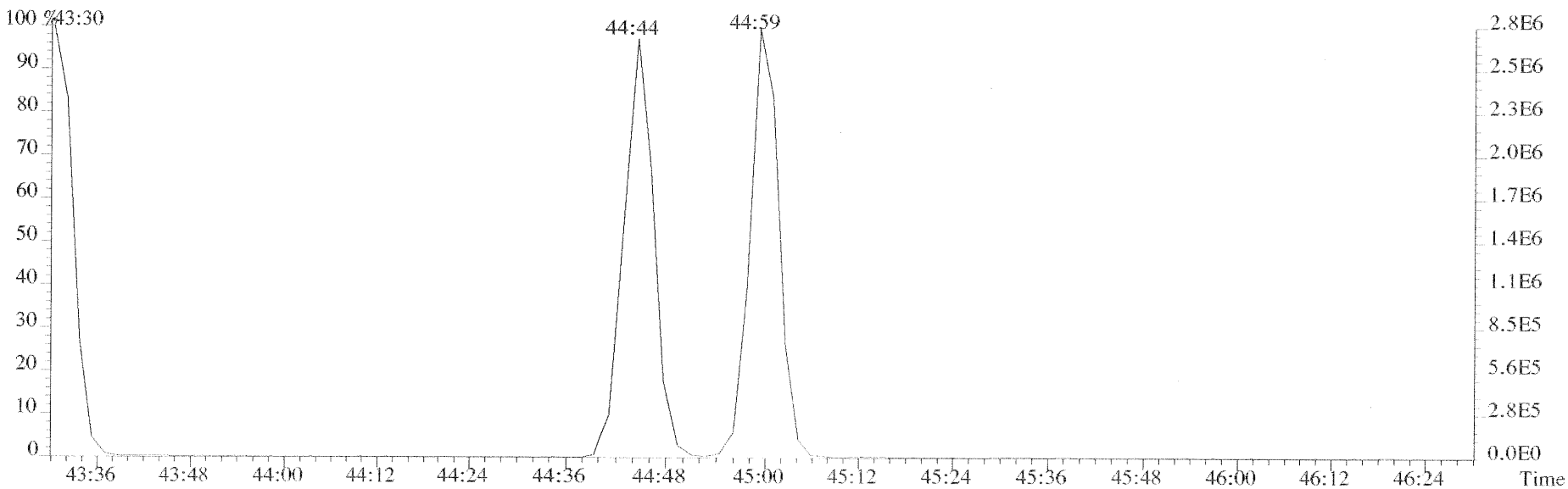
Peak Locate Examination:26-OCT-2020:09:58 File:26OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



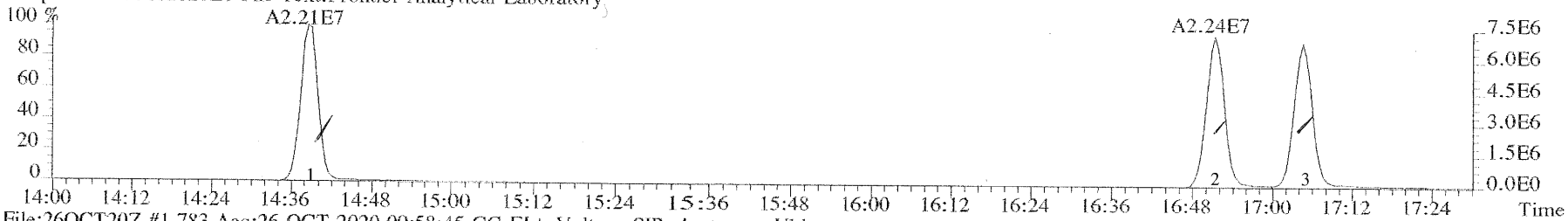
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB



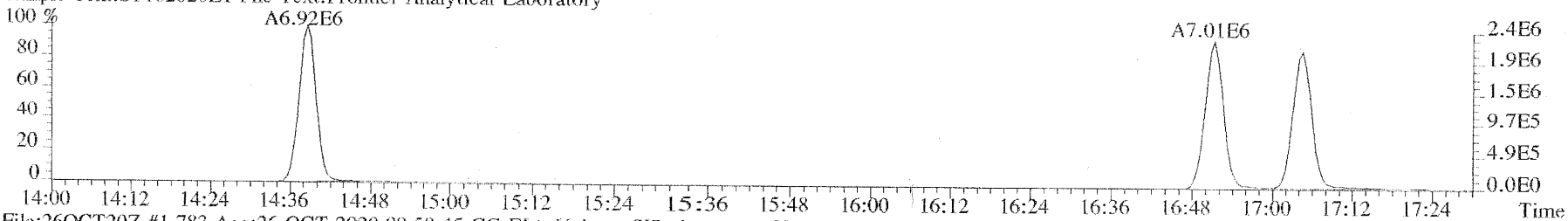
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB



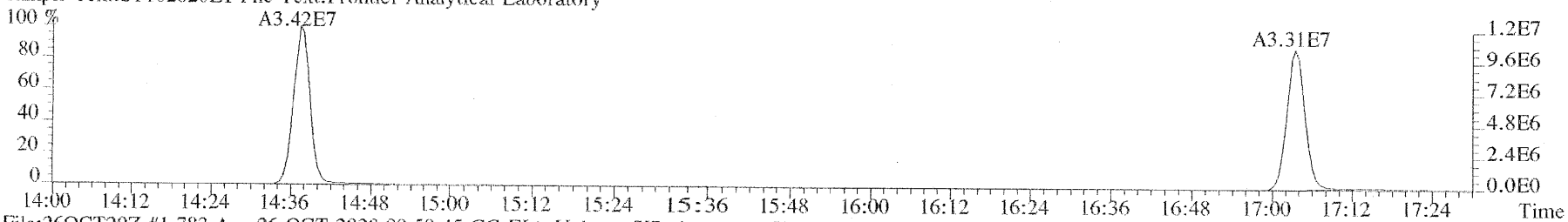
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



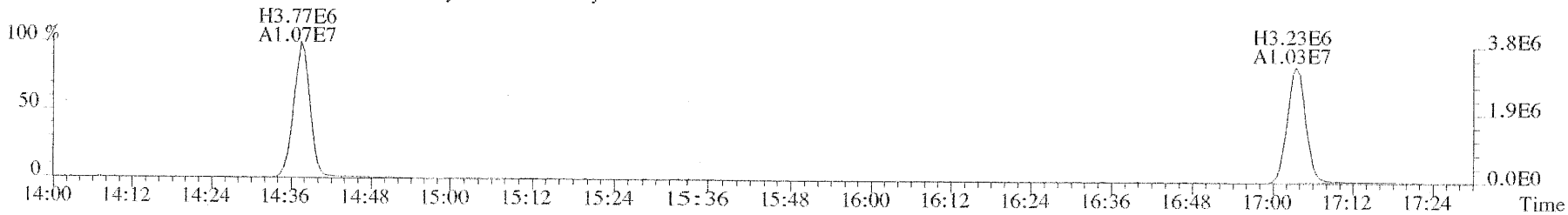
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



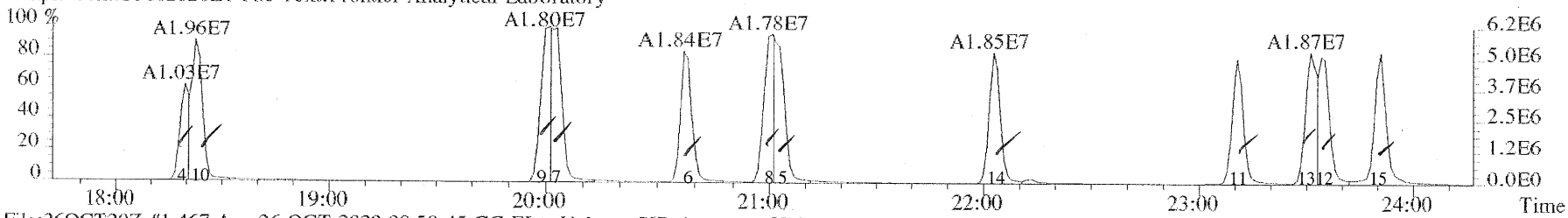
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



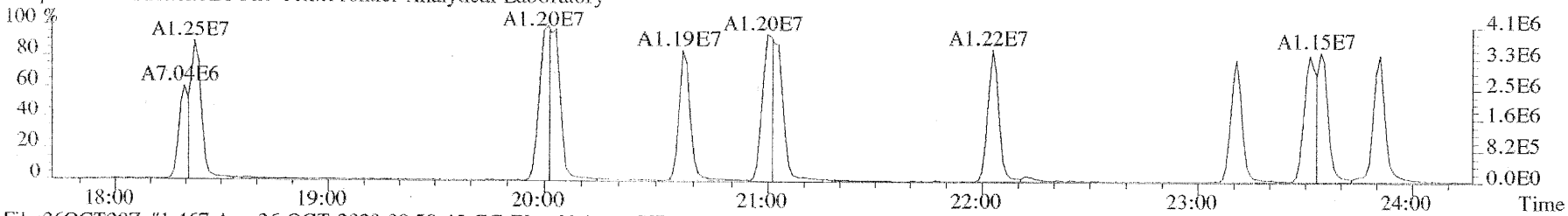
File:26OCT20Z #1-783 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



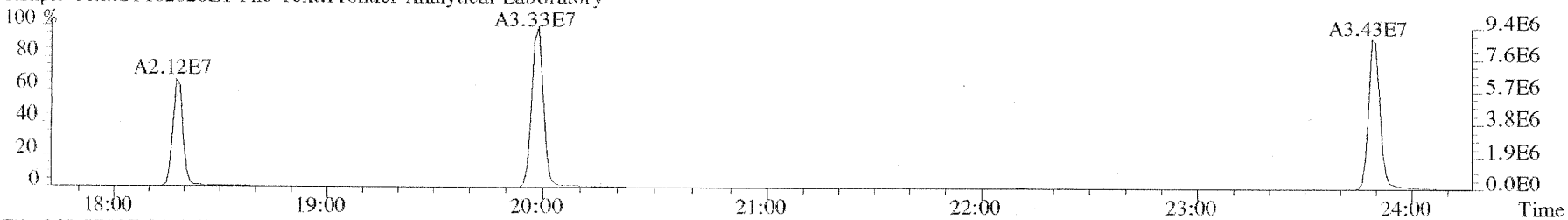
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



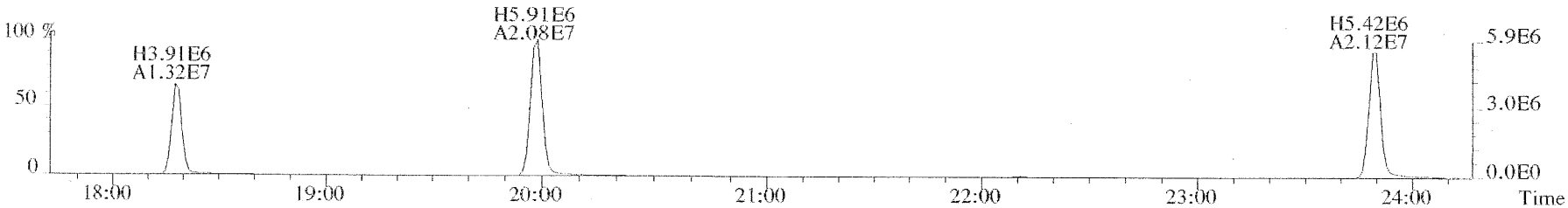
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



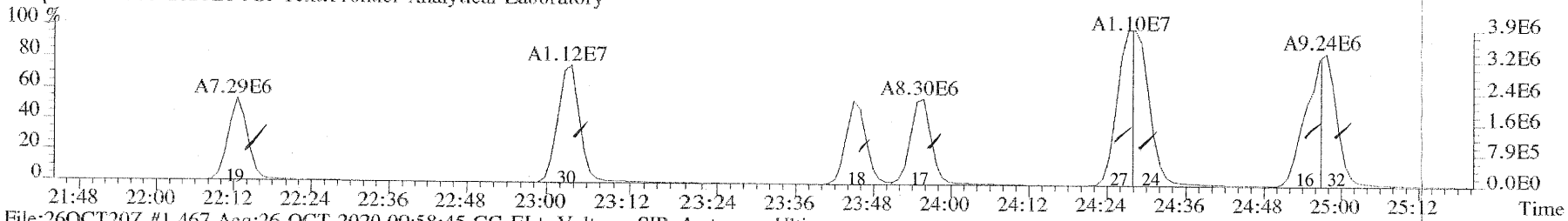
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



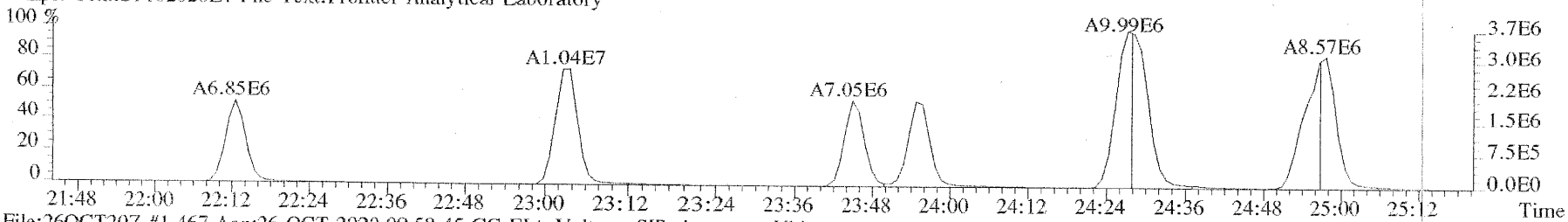
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



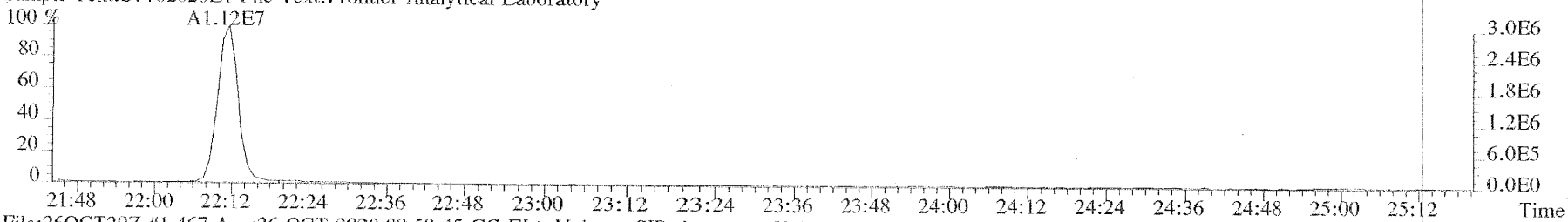
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



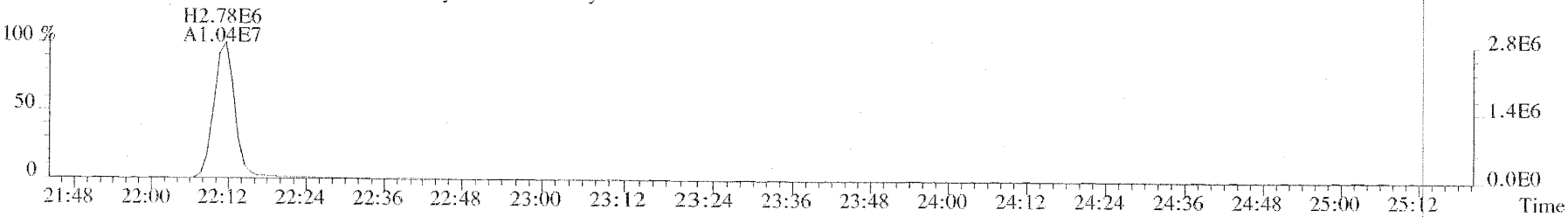
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



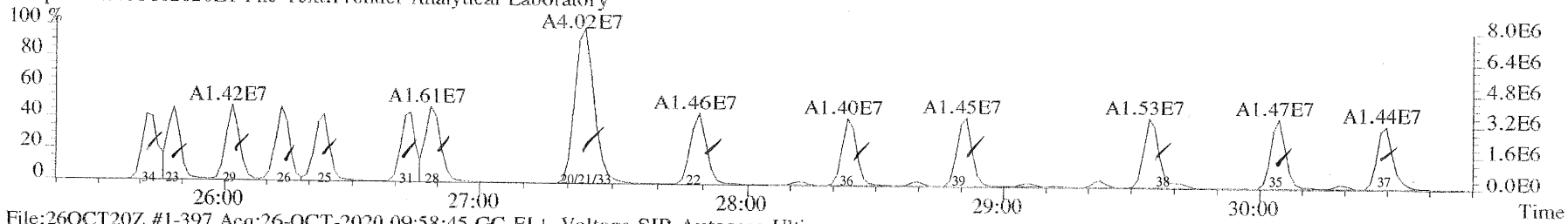
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



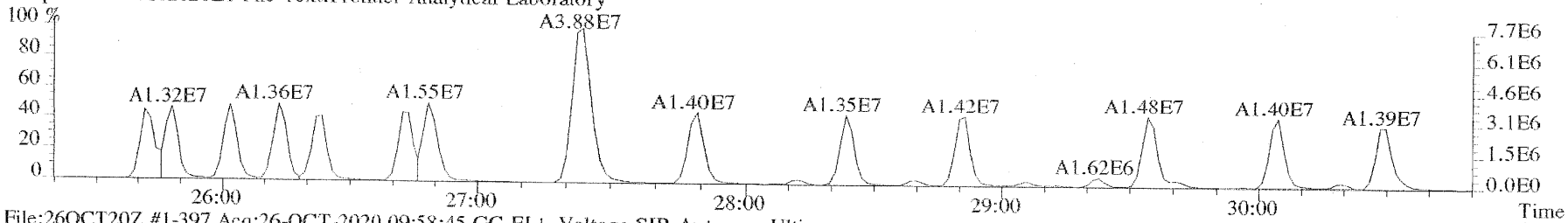
File:26OCT20Z #1-467 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



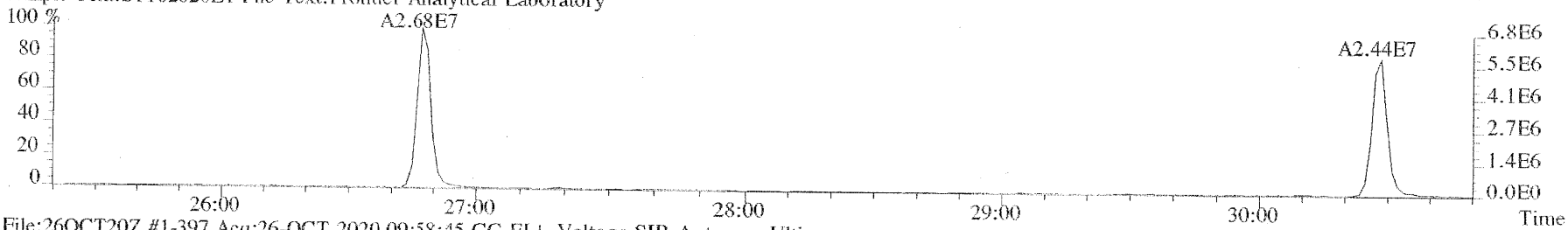
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



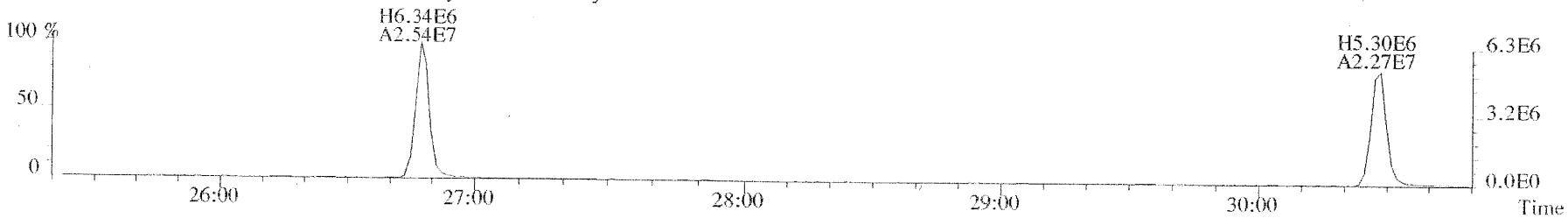
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



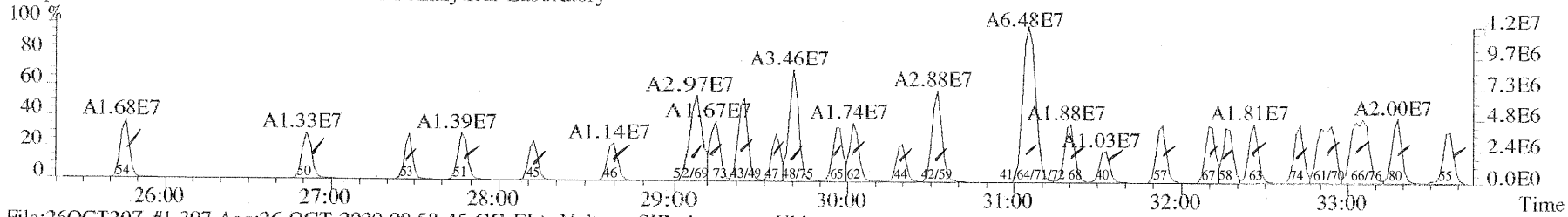
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



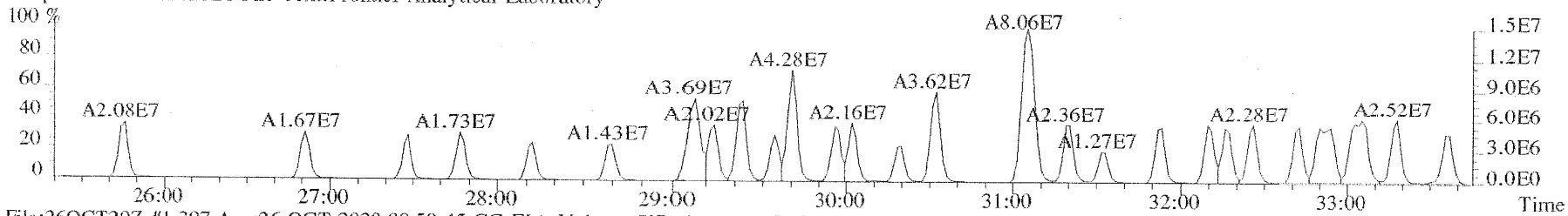
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



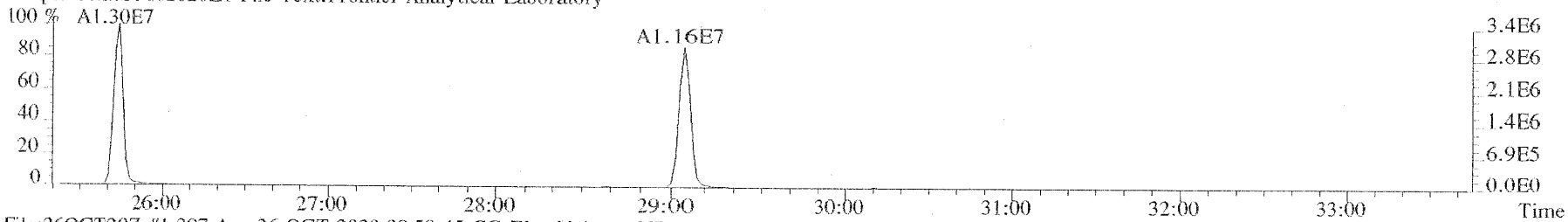
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



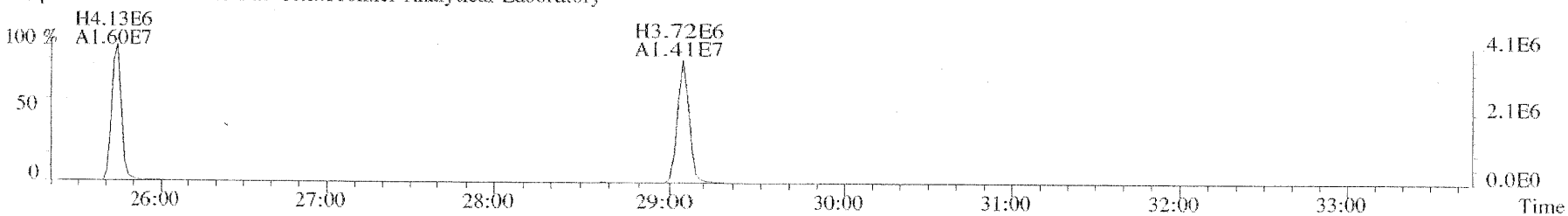
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



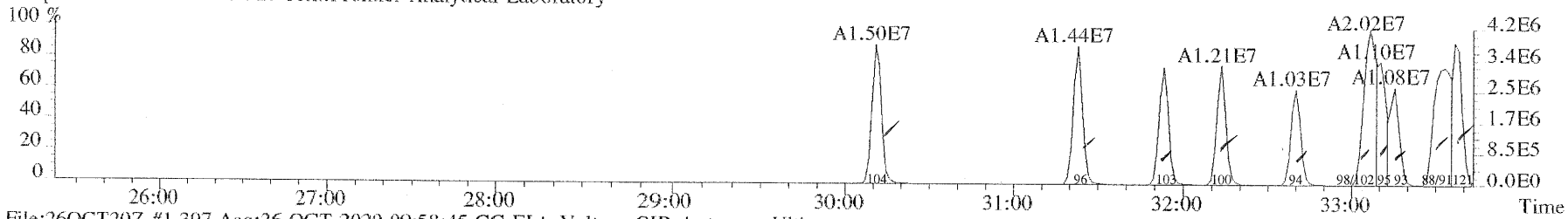
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



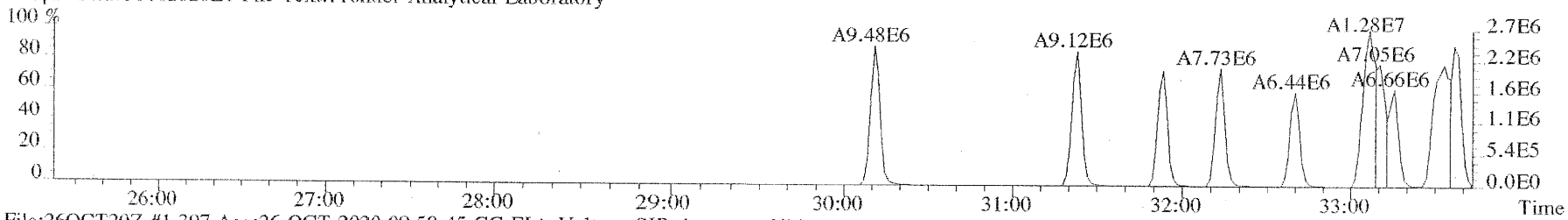
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



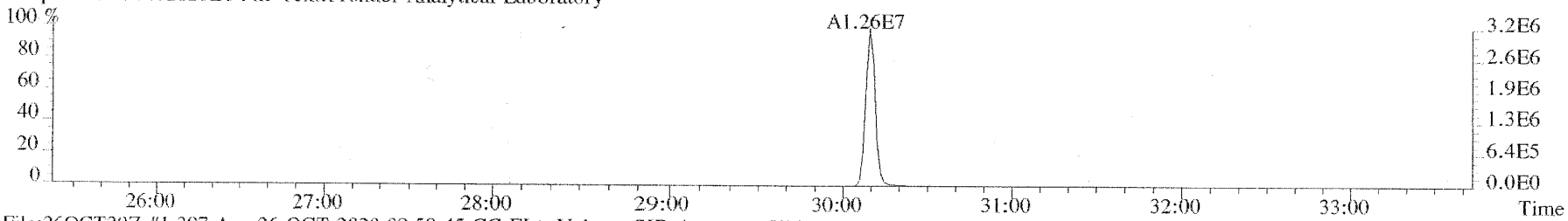
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



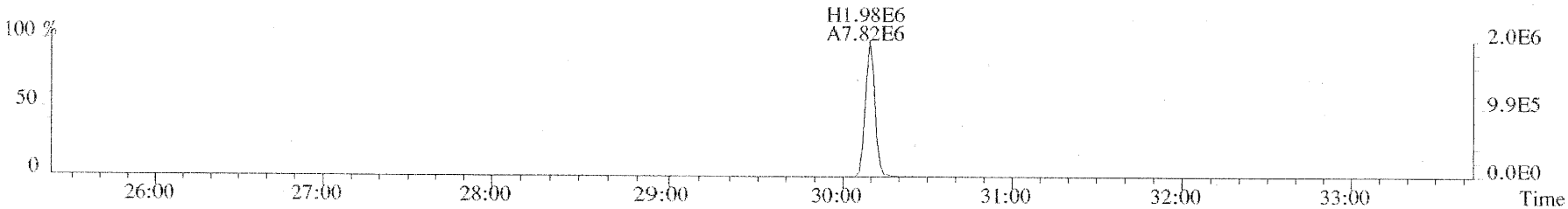
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



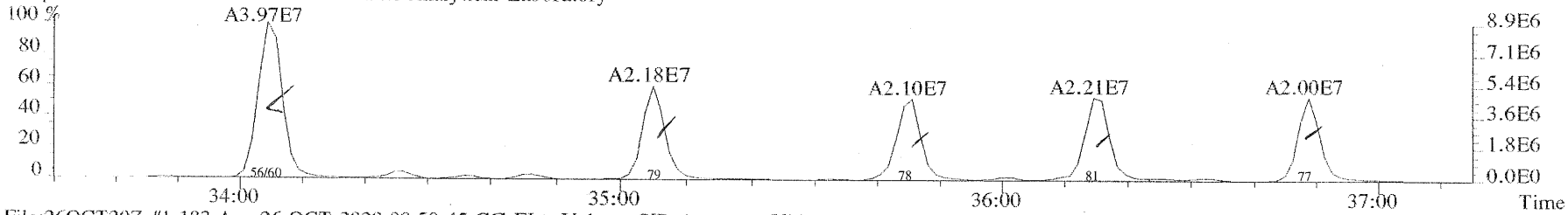
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



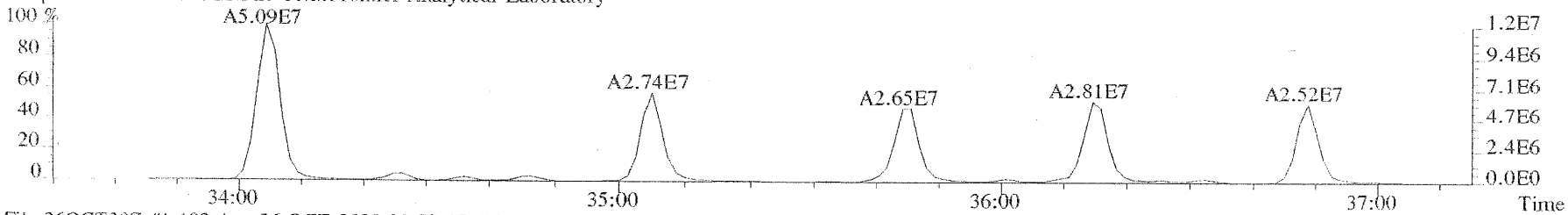
File:26OCT20Z #1-397 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



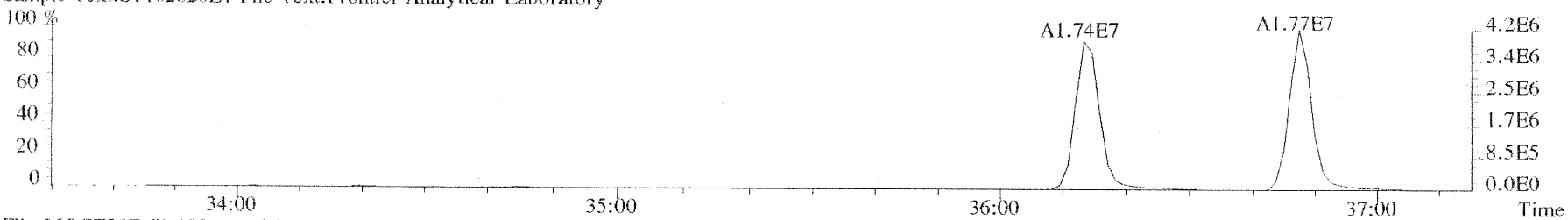
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



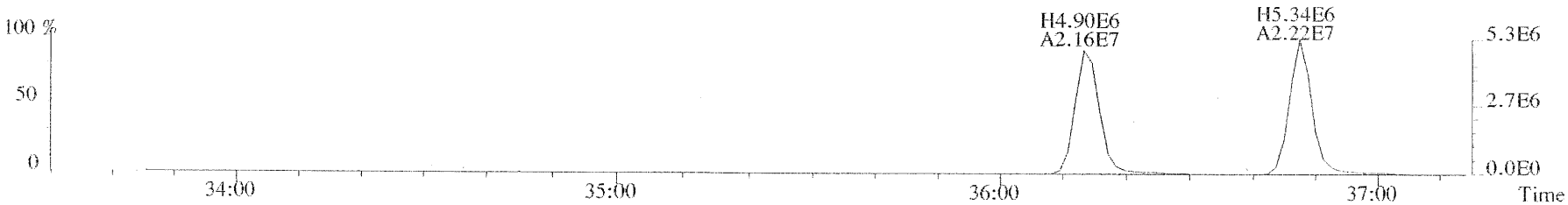
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



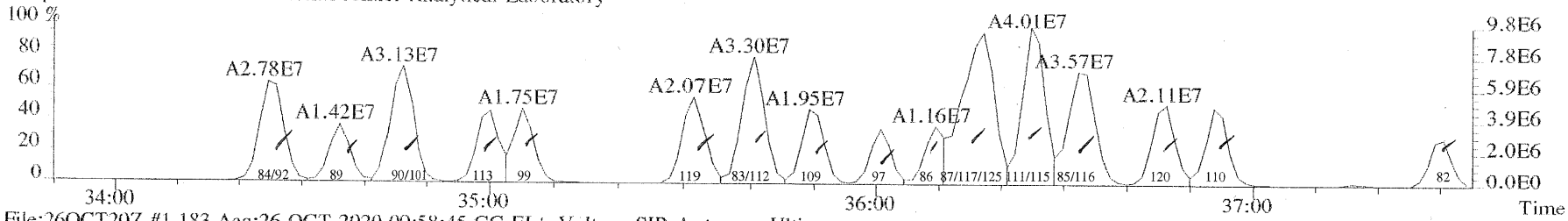
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



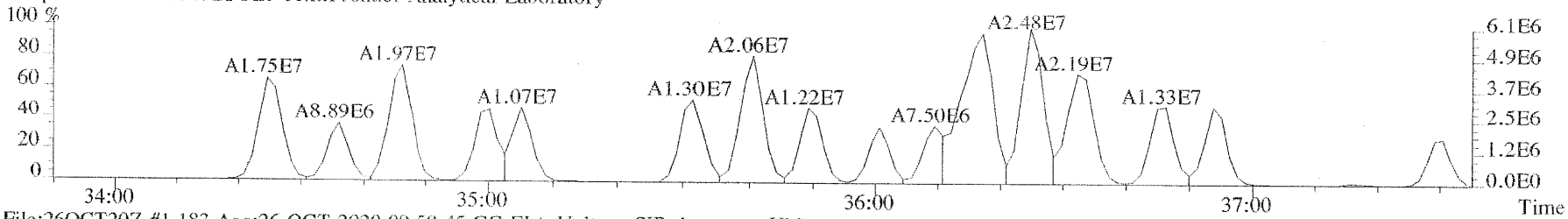
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



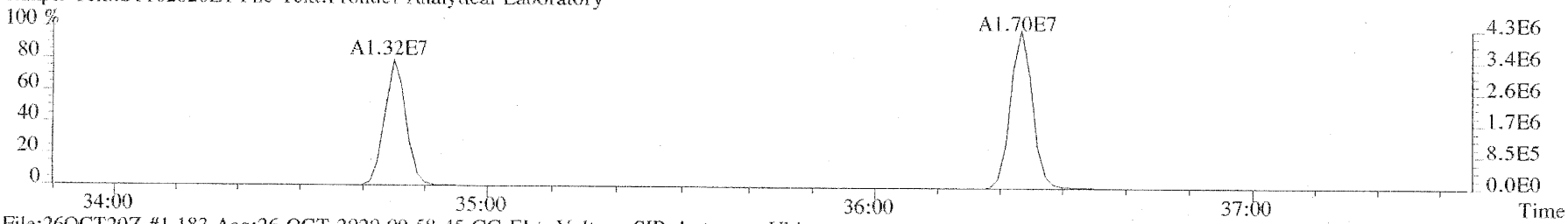
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



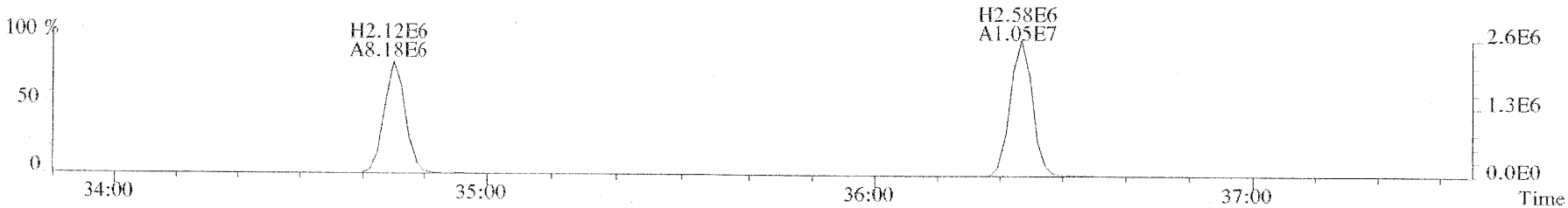
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



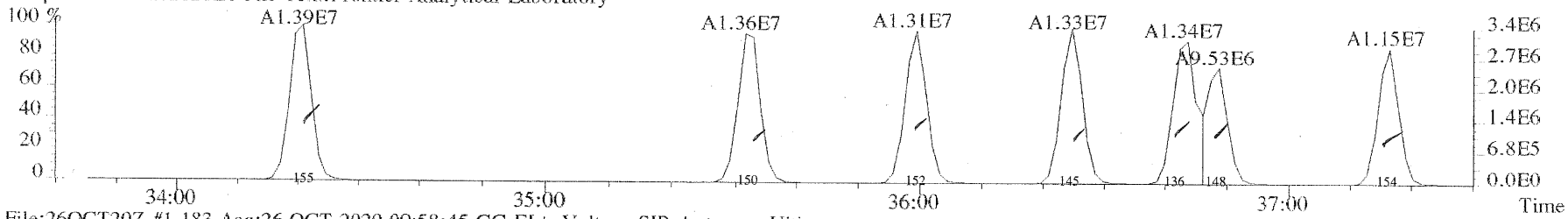
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



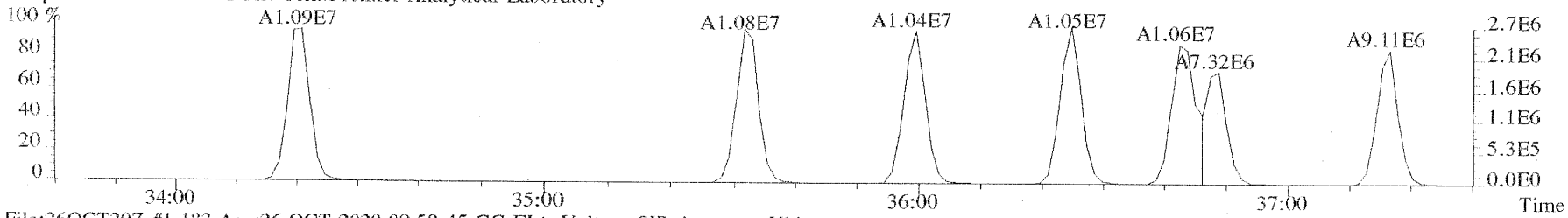
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



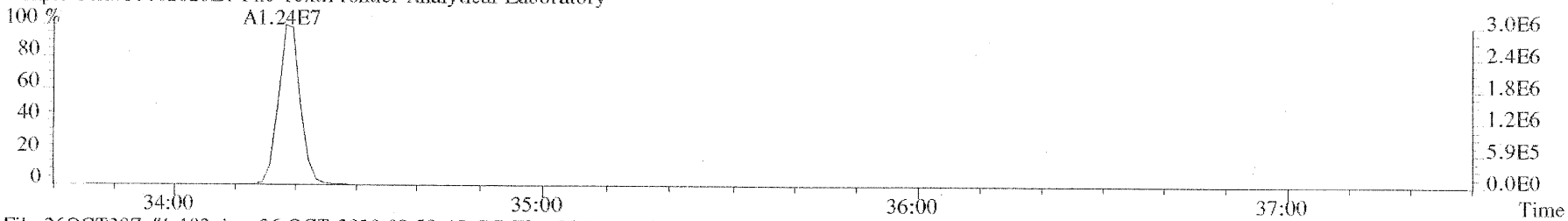
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



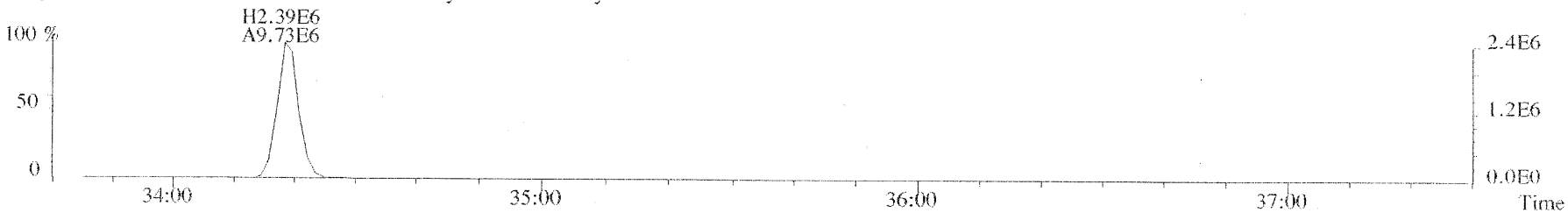
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



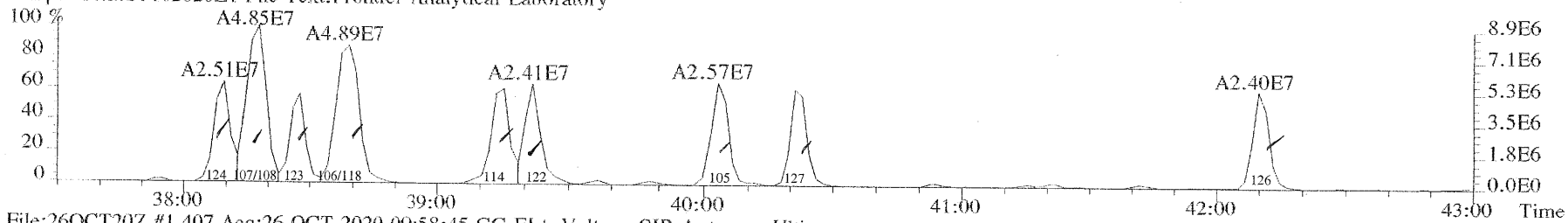
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



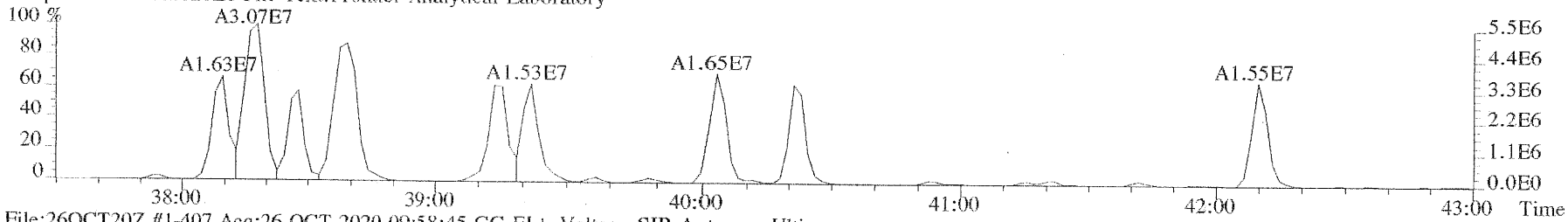
File:26OCT20Z #1-183 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



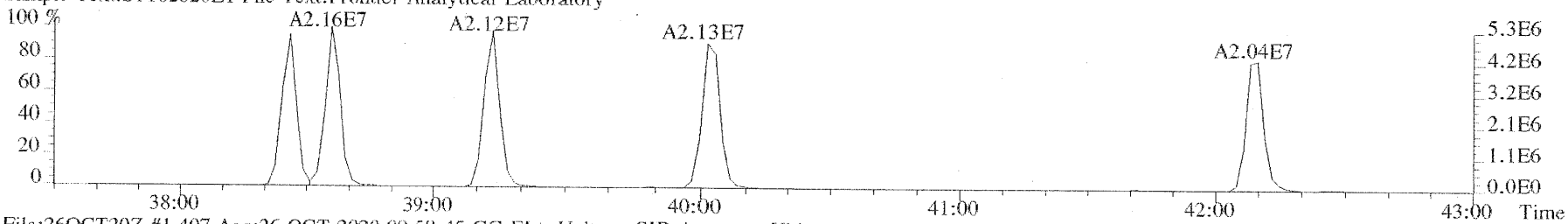
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



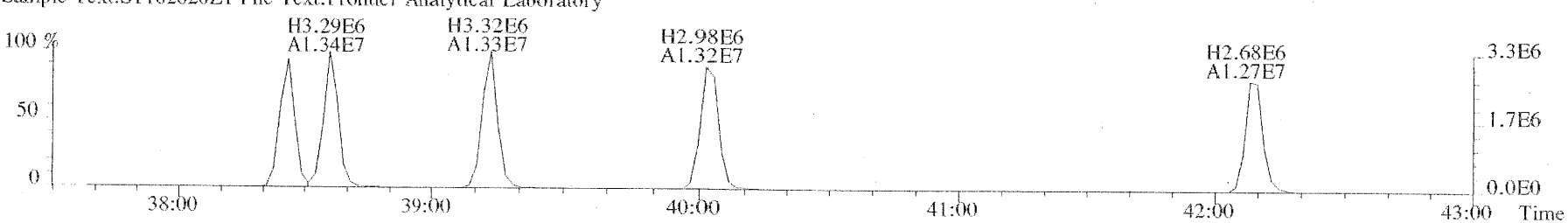
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



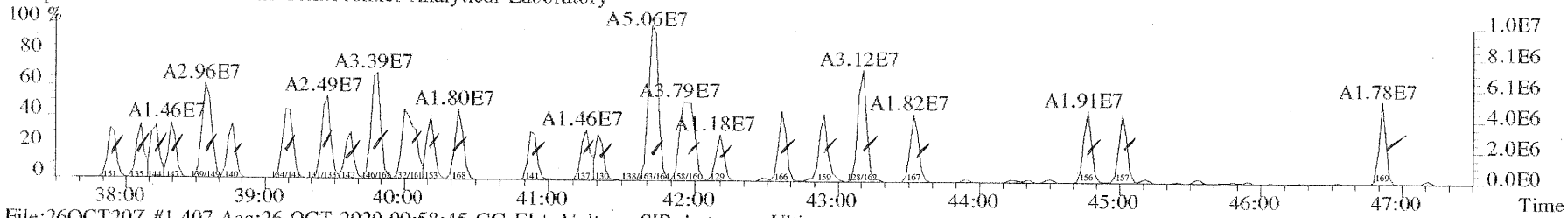
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



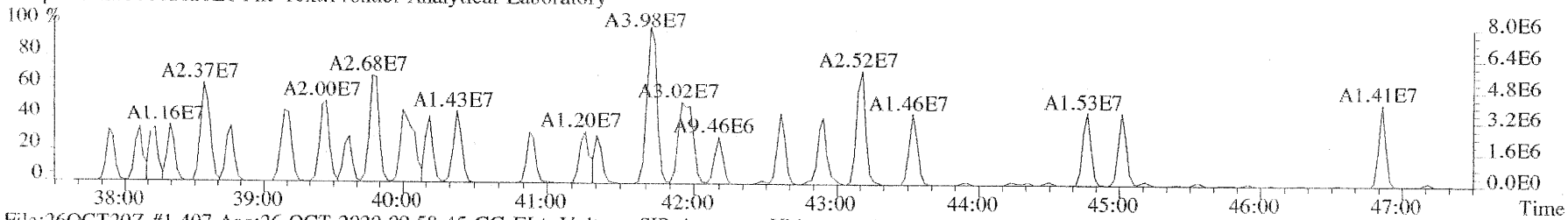
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



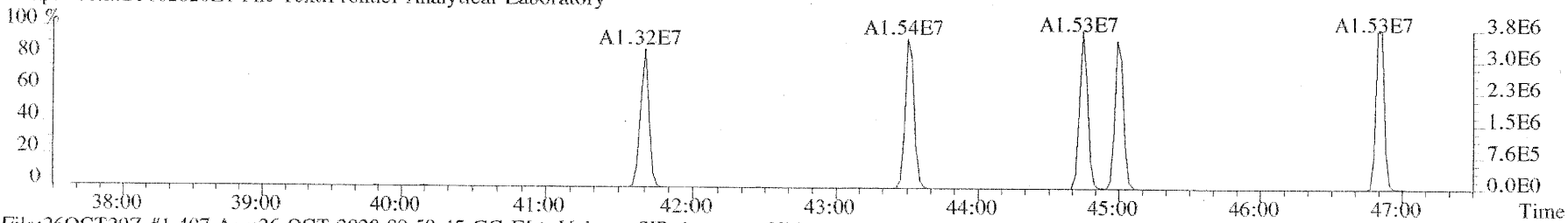
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



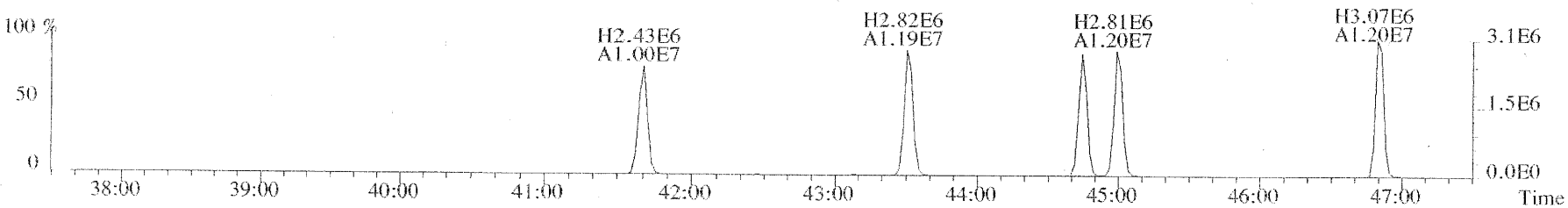
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



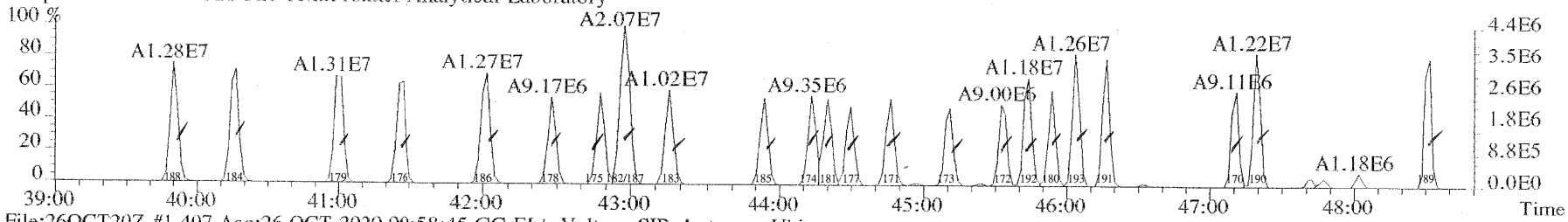
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



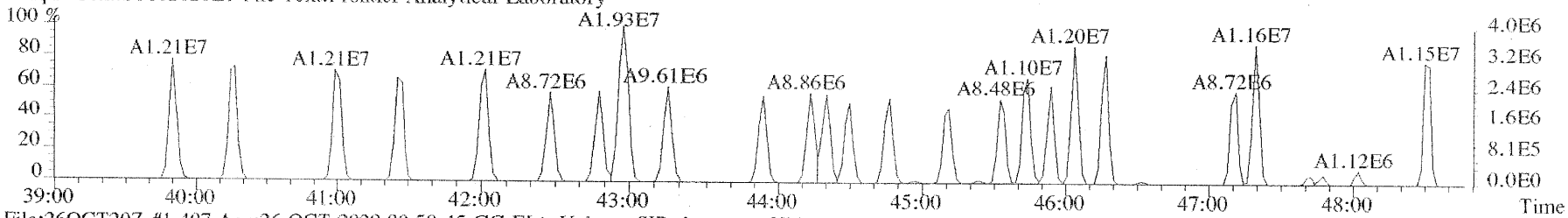
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



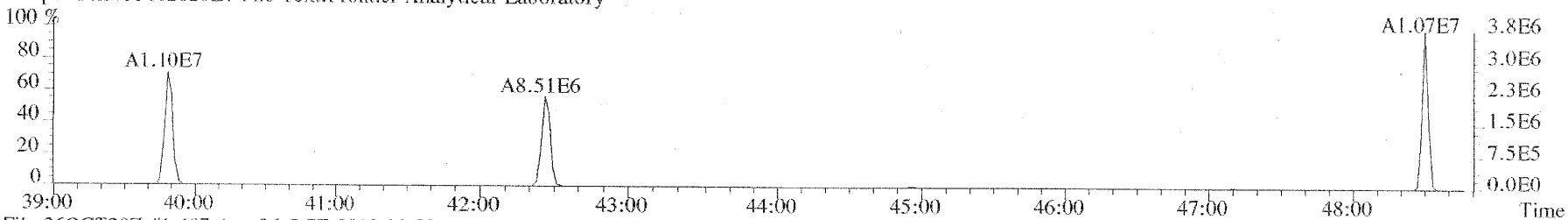
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



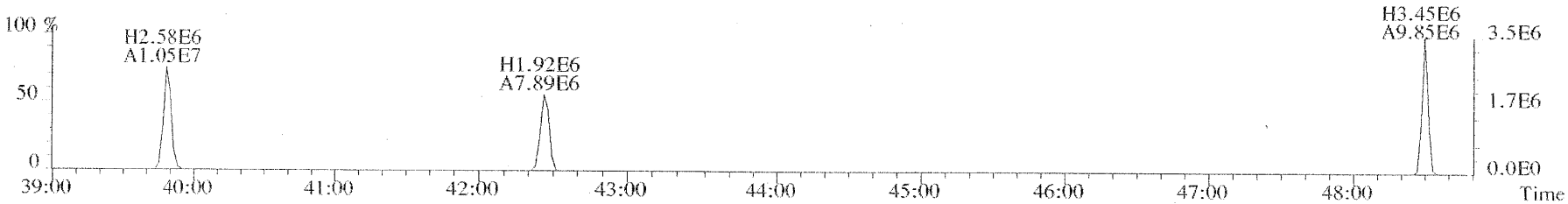
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



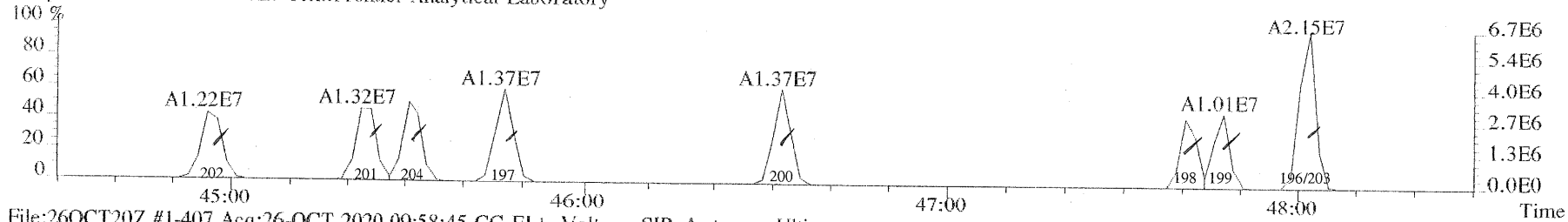
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



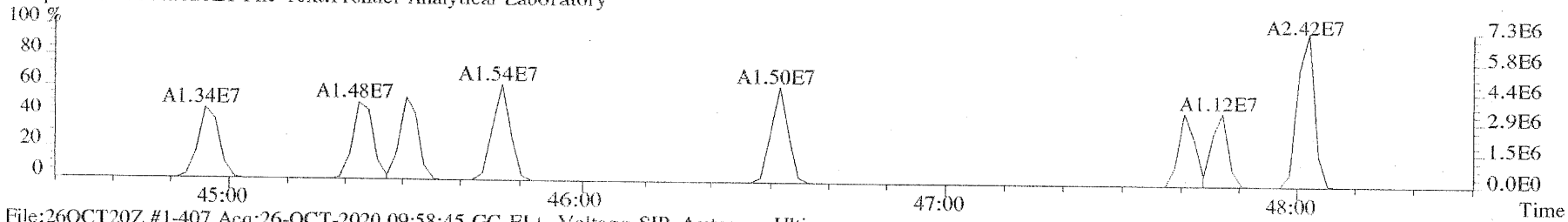
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



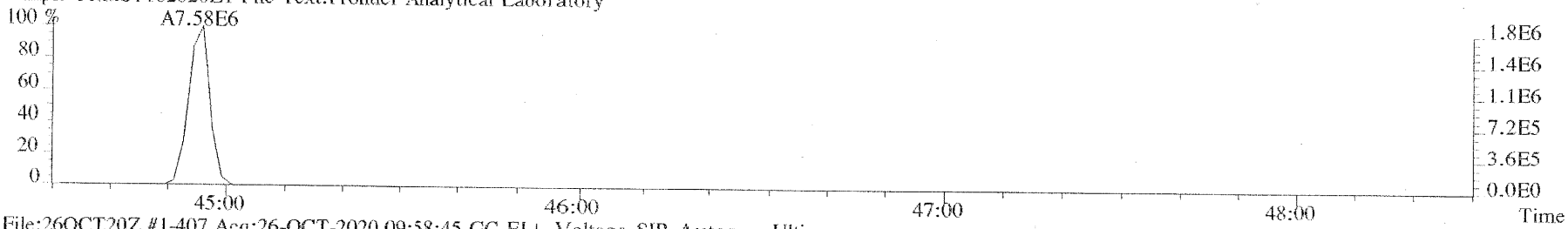
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



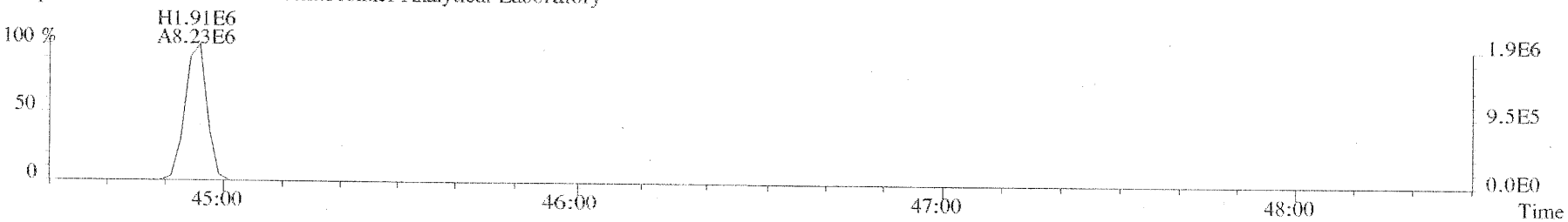
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



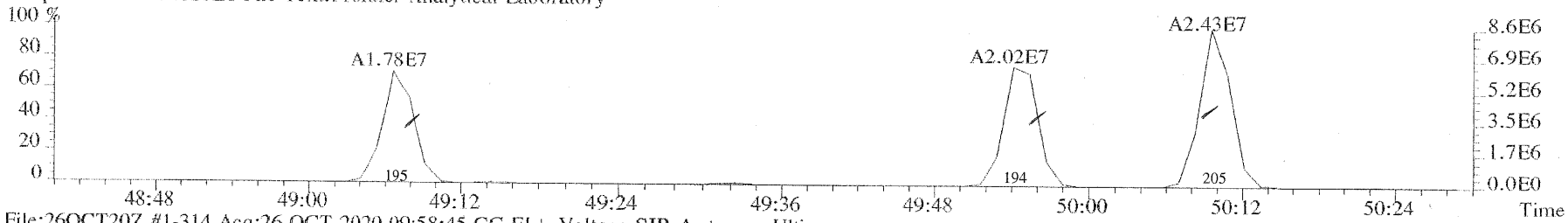
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



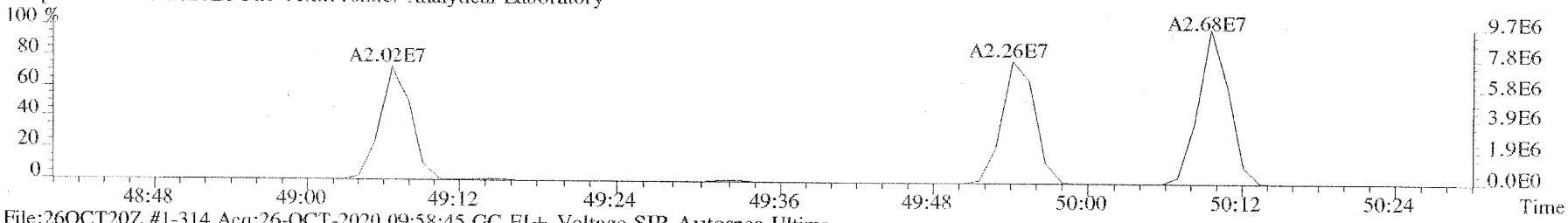
File:26OCT20Z #1-407 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



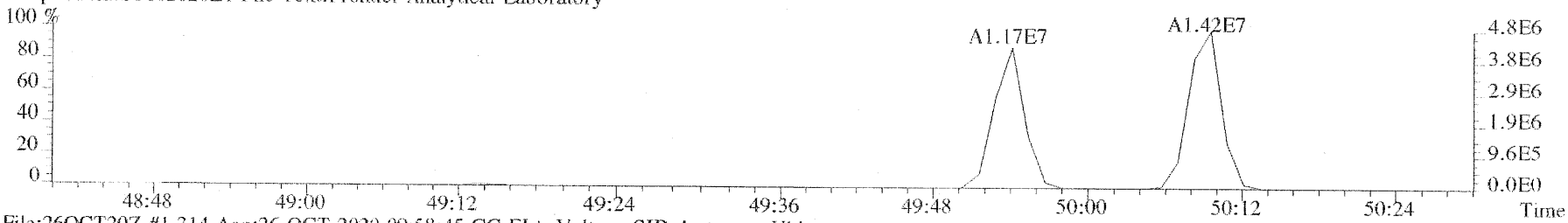
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



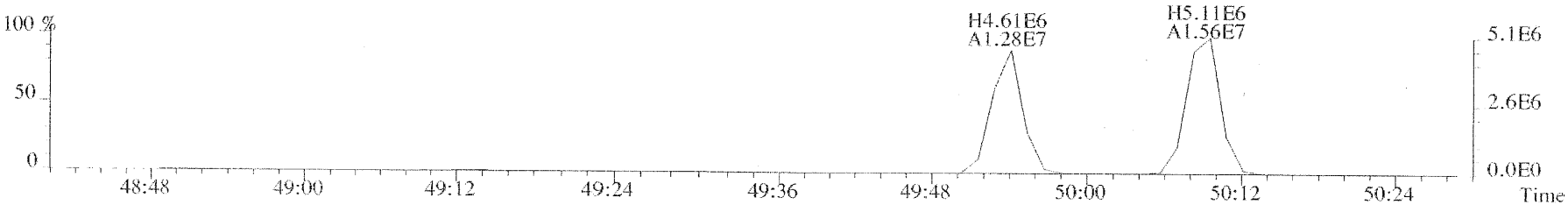
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



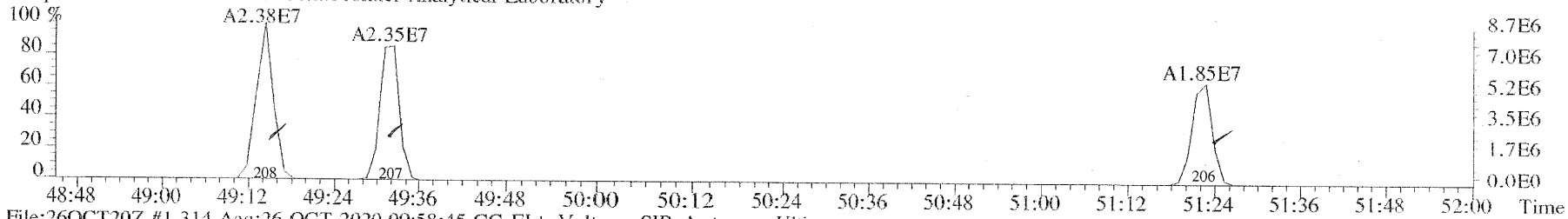
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



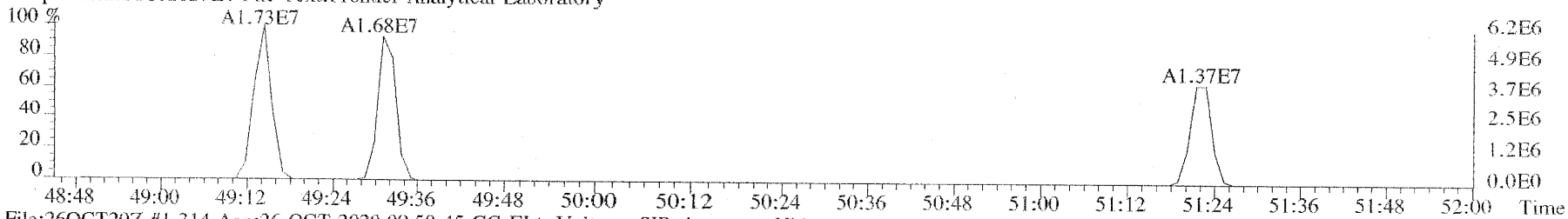
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



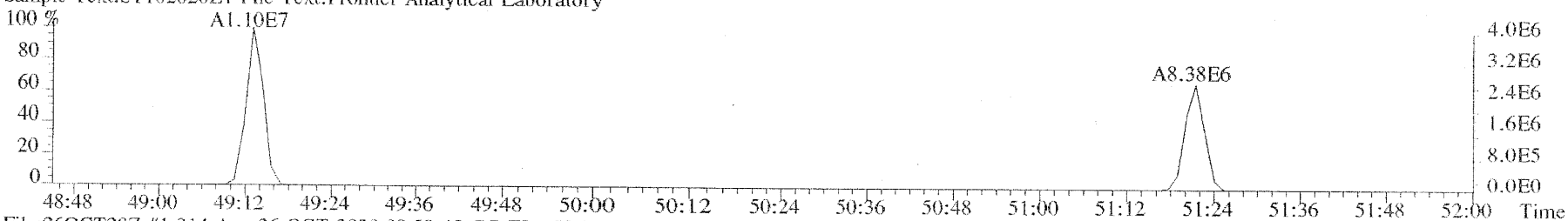
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



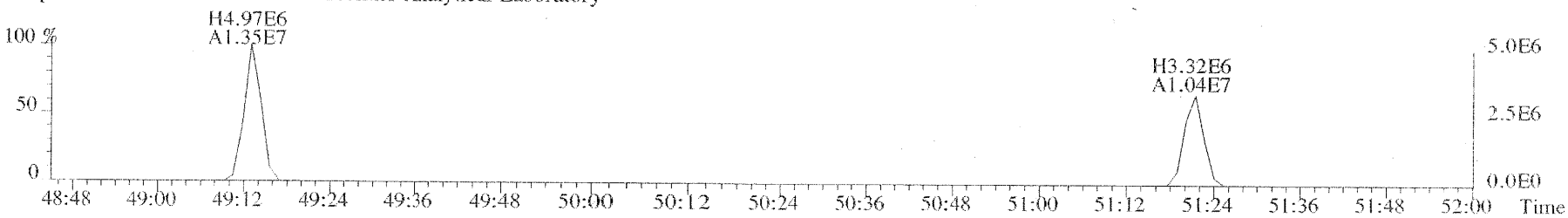
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



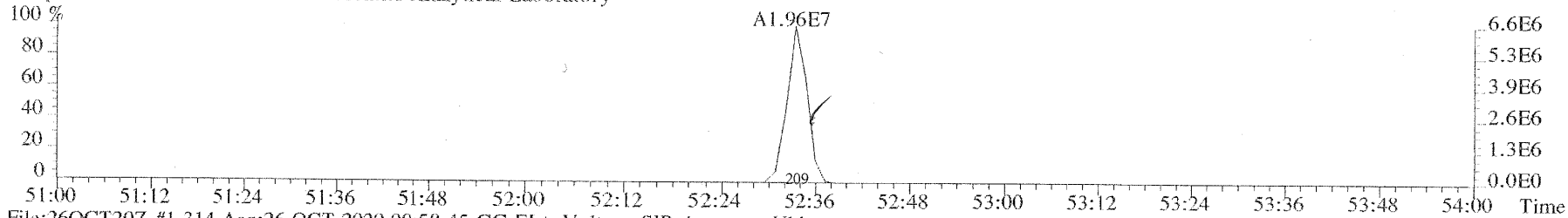
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



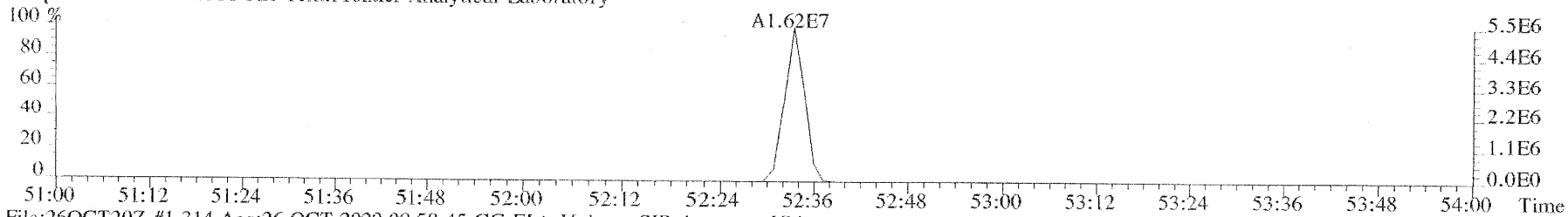
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



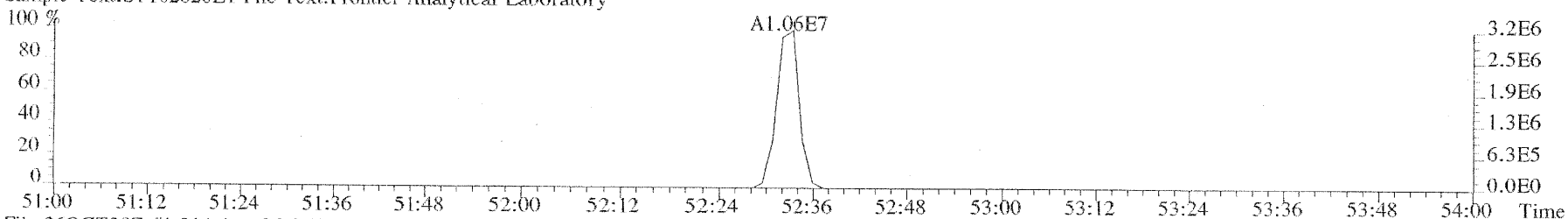
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



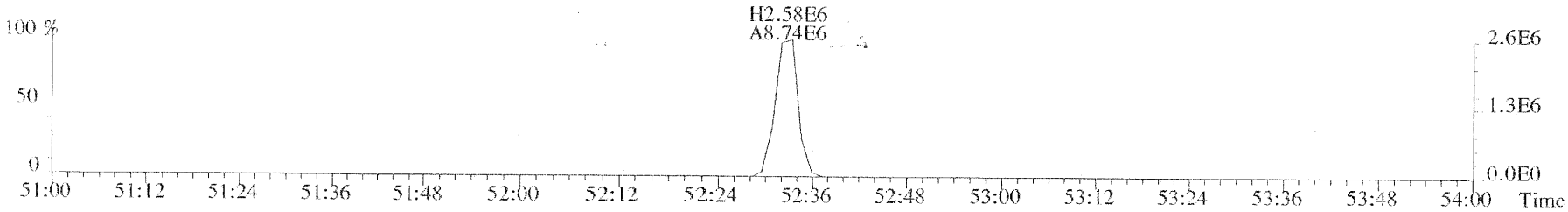
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory



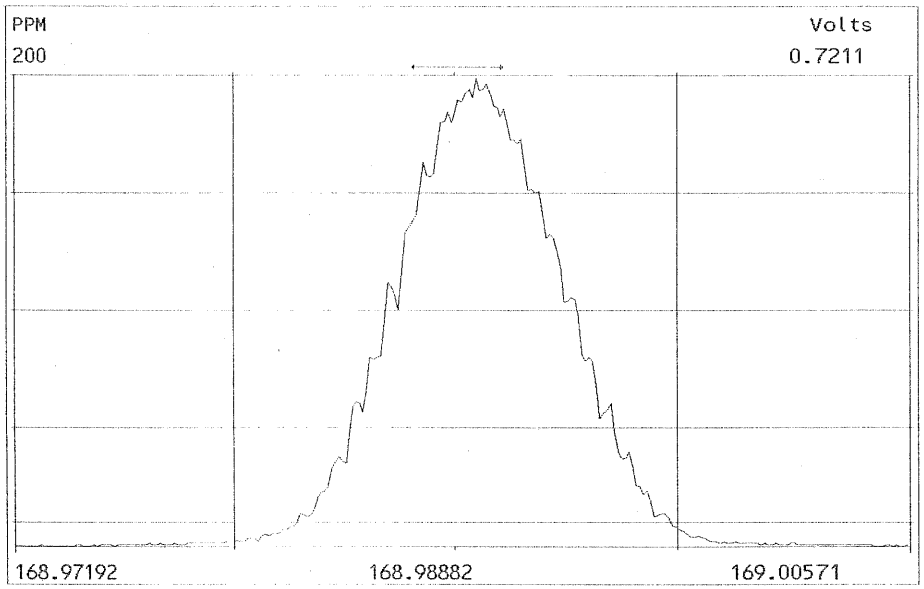
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory

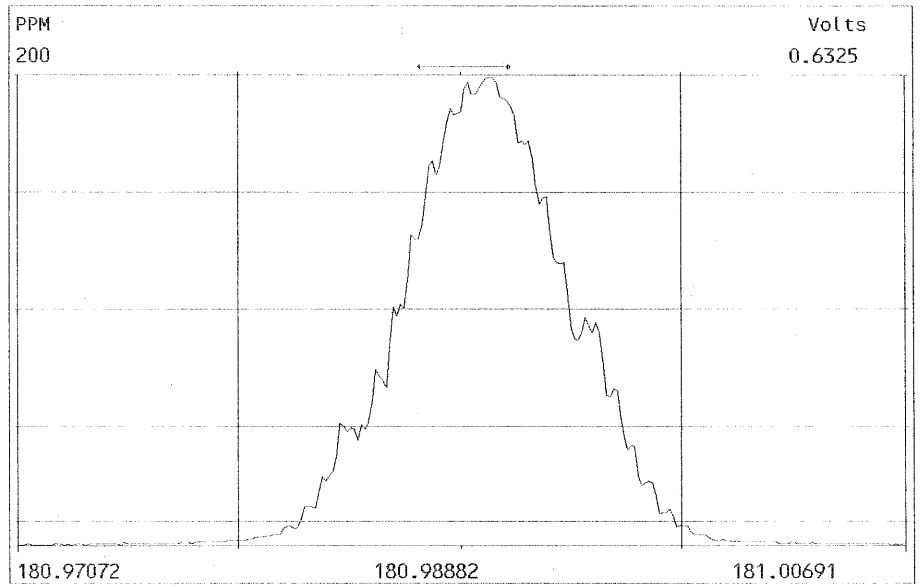


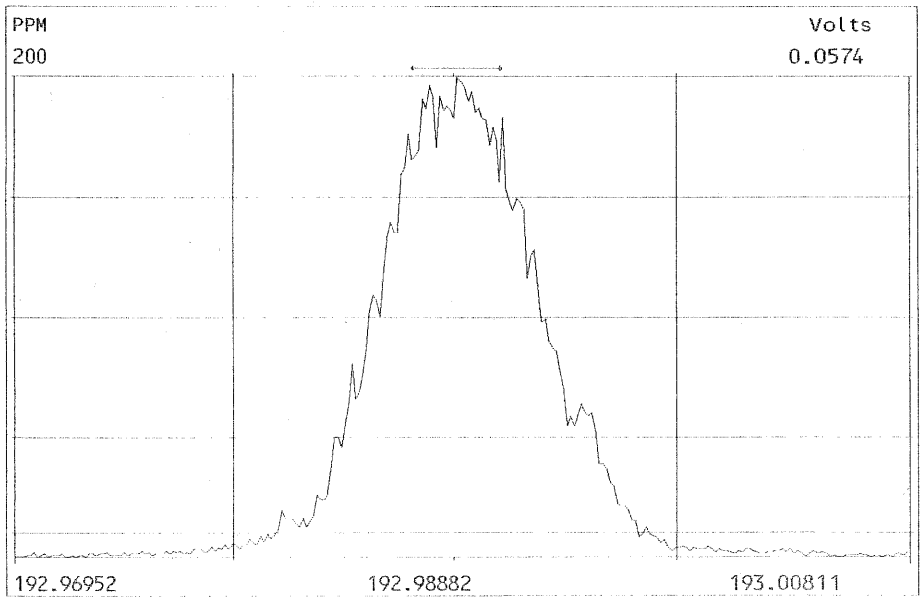
File:26OCT20Z #1-314 Acq:26-OCT-2020 09:58:45 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z1 File Text:Frontier Analytical Laboratory

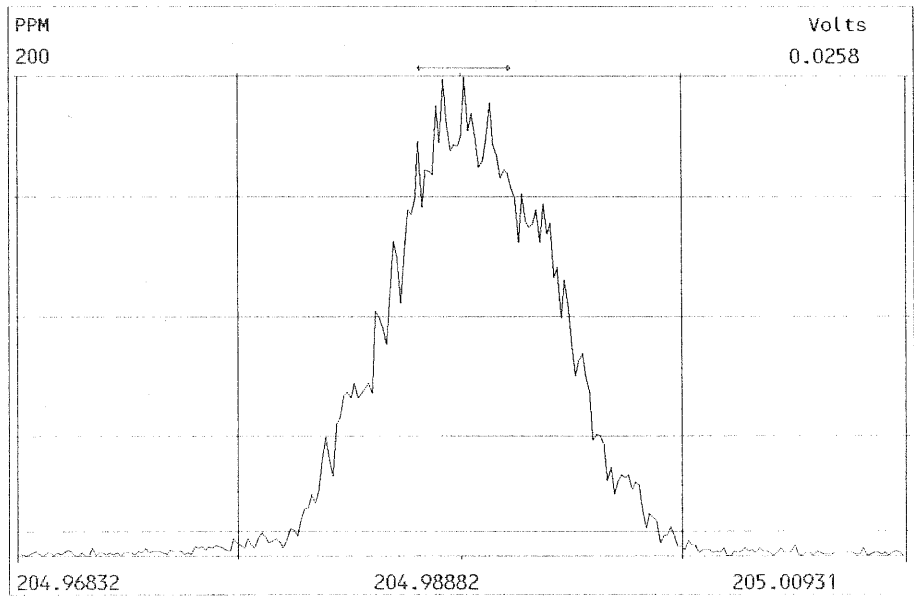


Peak Locate Examination:27-OCT-2020:01:04 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

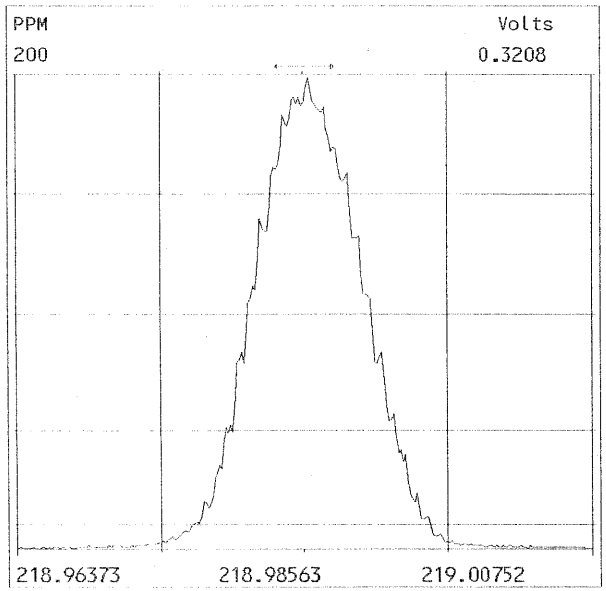


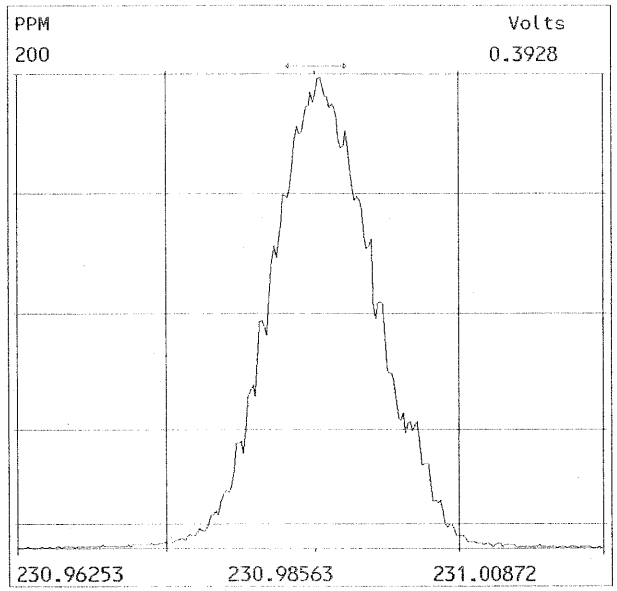


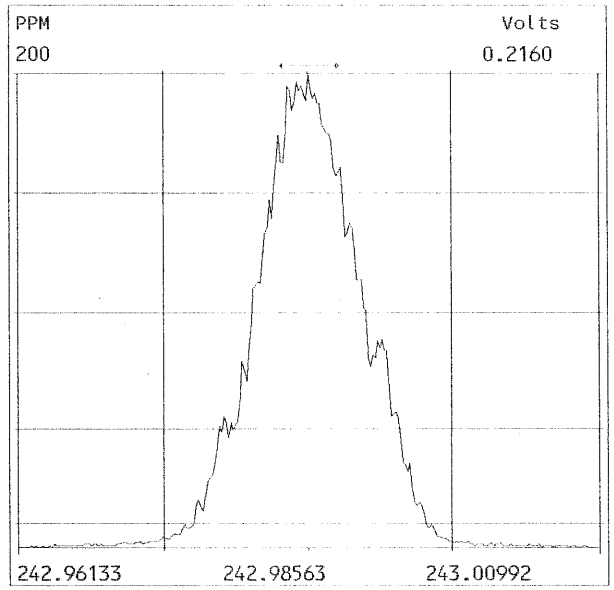


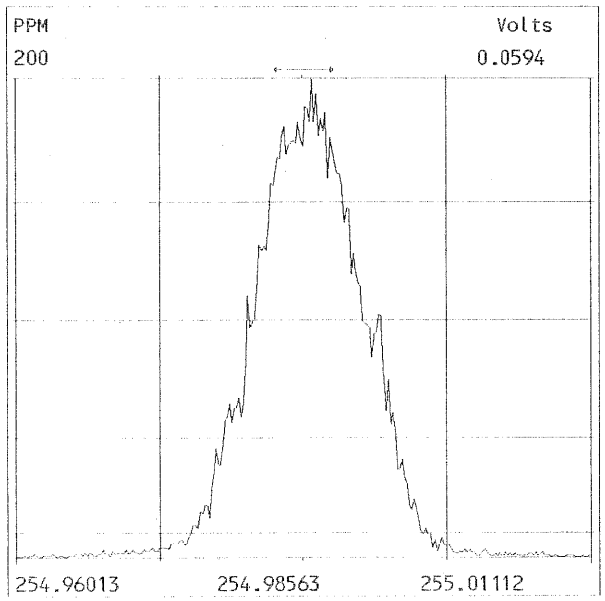


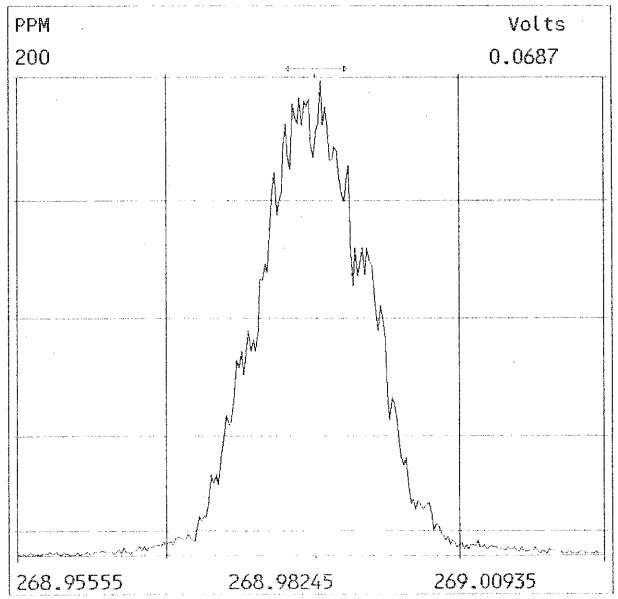
Peak Locate Examination:27-OCT-2020:01:06 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

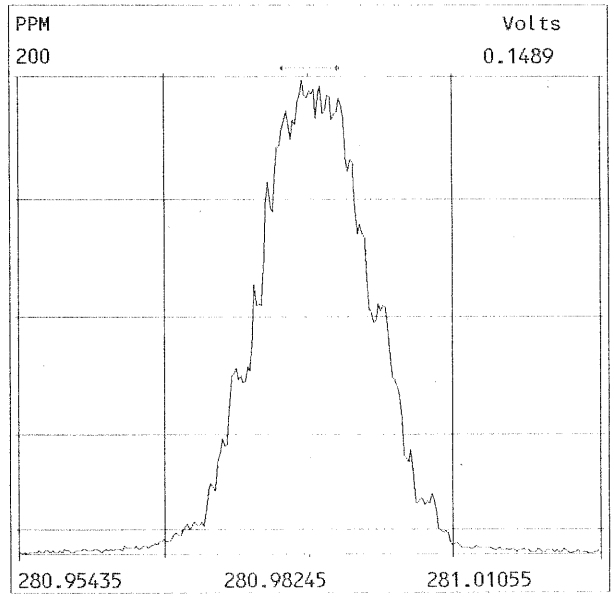




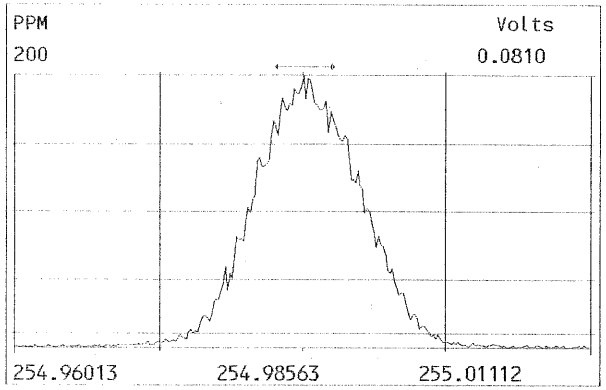


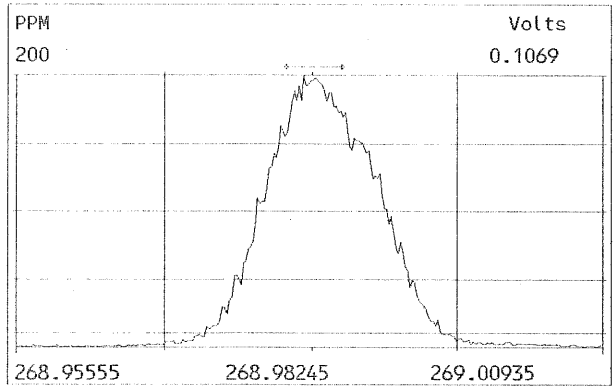


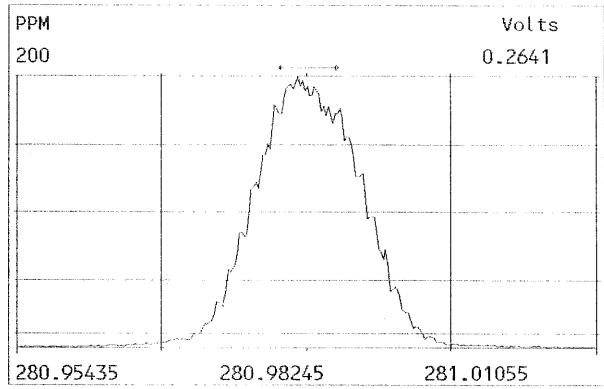


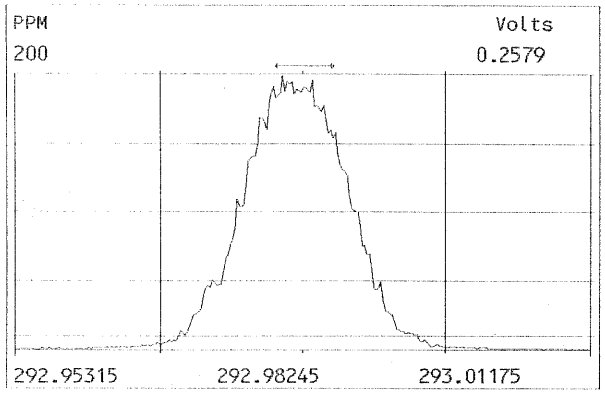


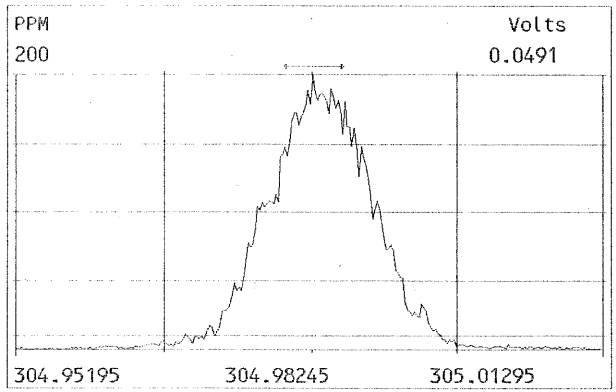
Peak Locate Examination:27-OCT-2020:01:09 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

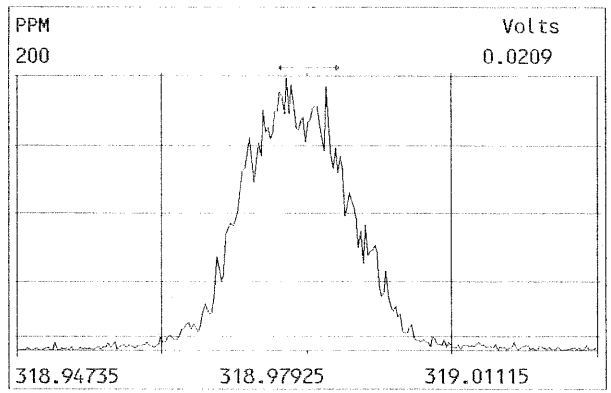


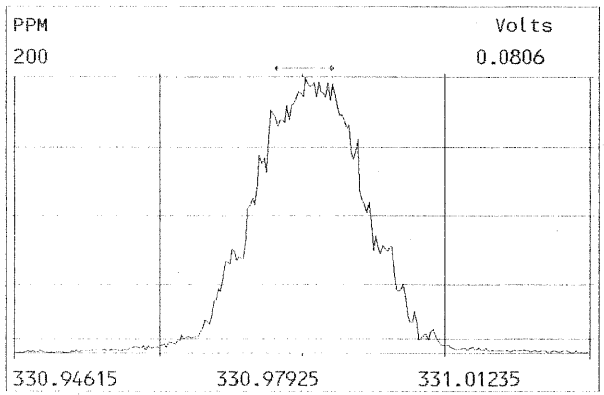


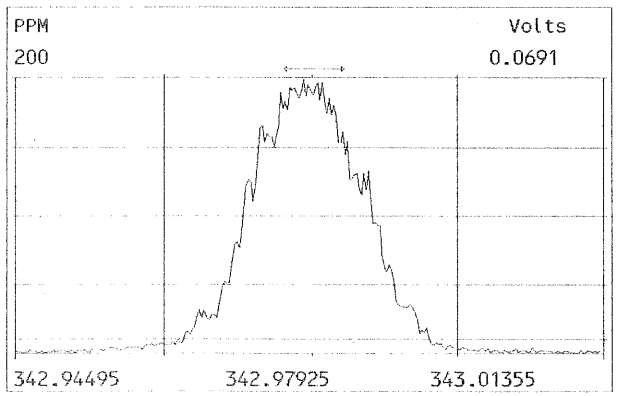




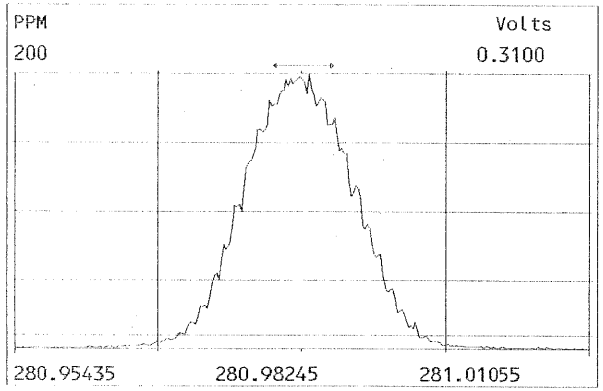


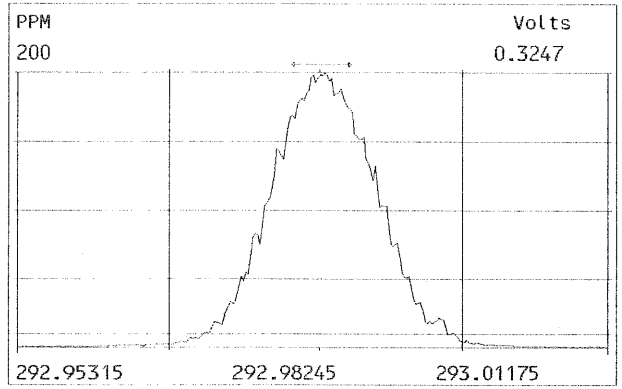


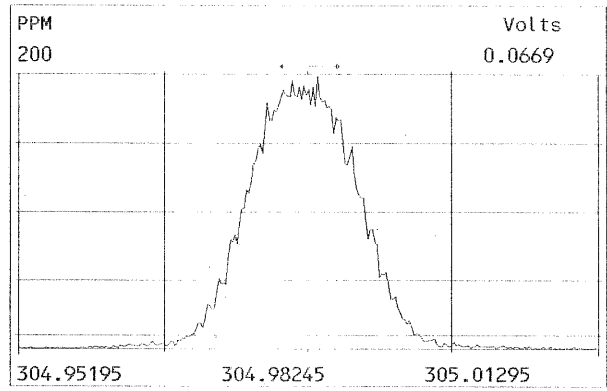


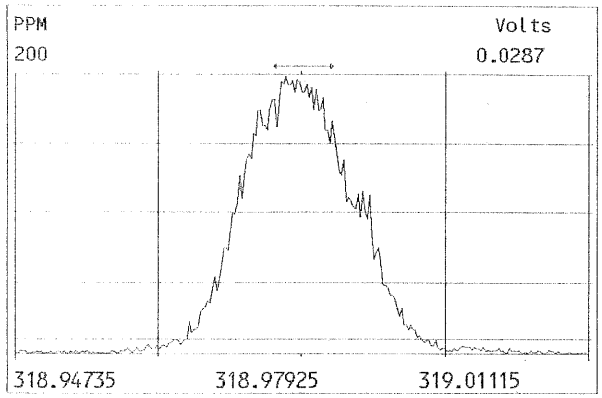


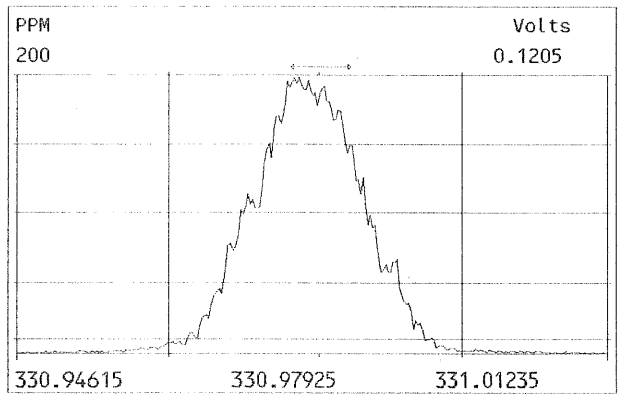
Peak Locate Examination:27-OCT-2020:01:11 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

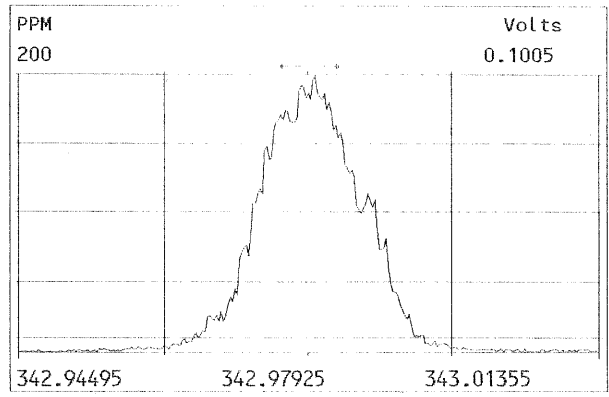


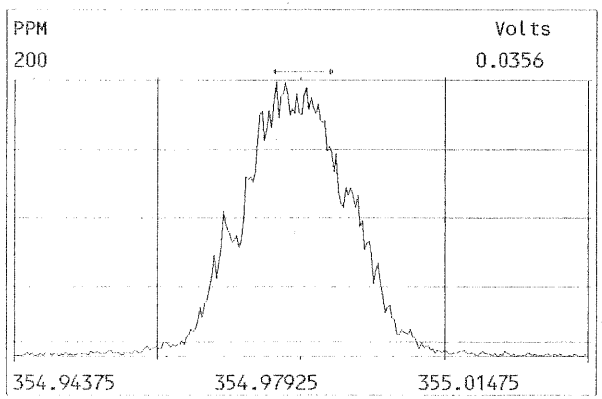


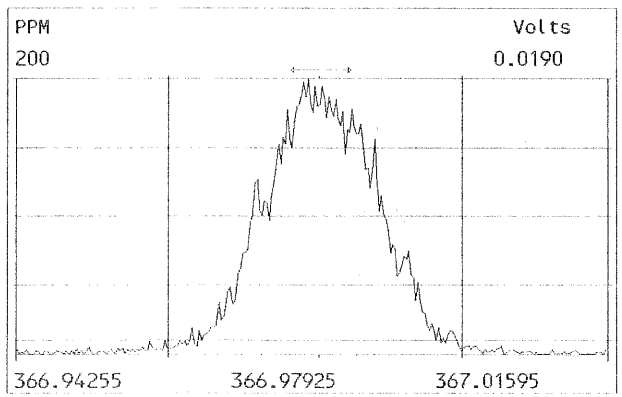


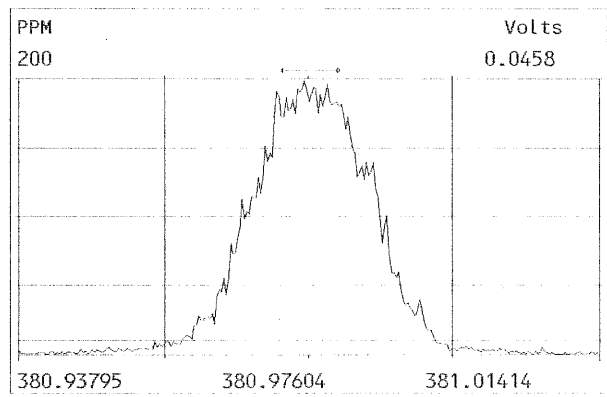




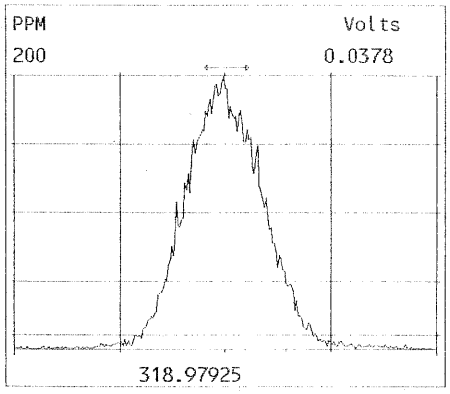


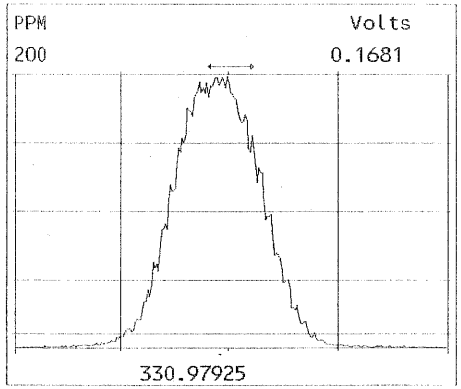


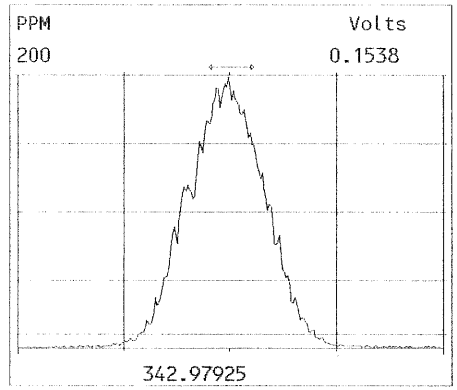


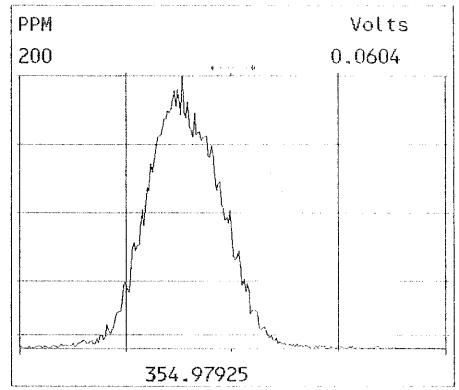


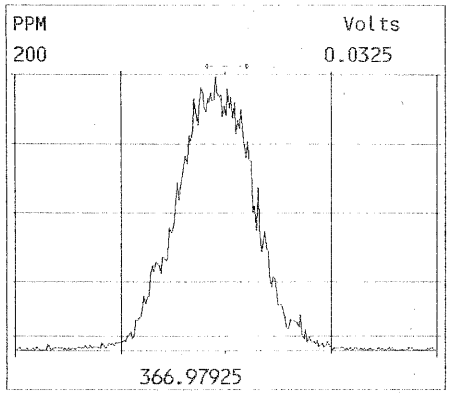
Peak Locate Examination:27-OCT-2020:01:13 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

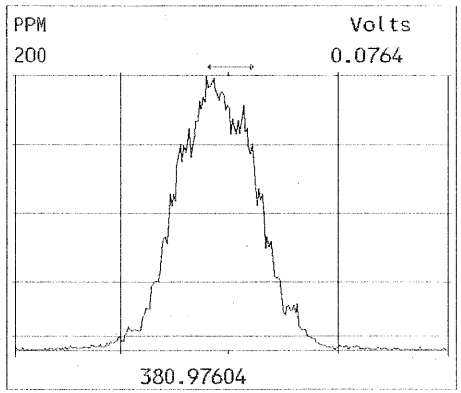


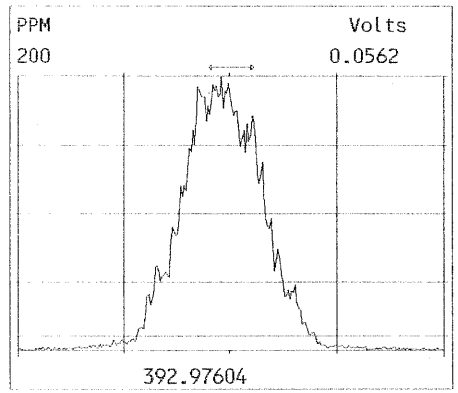


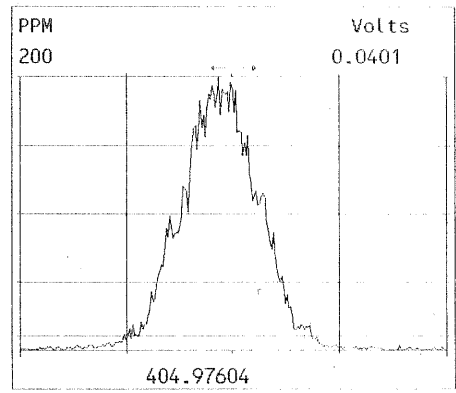


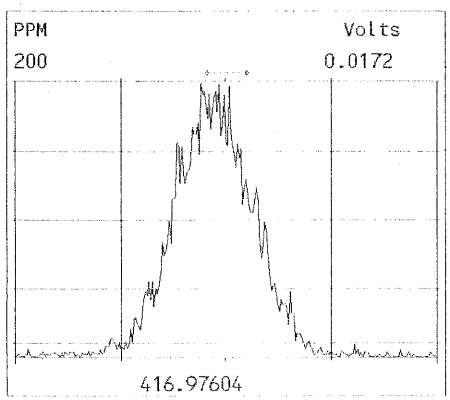


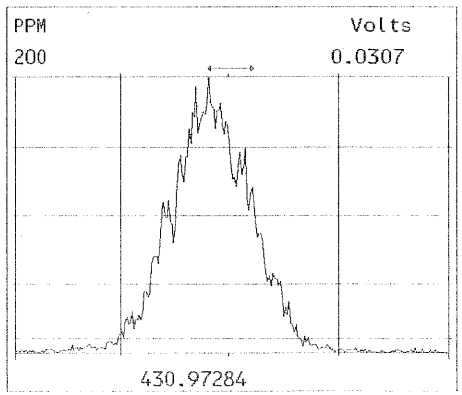


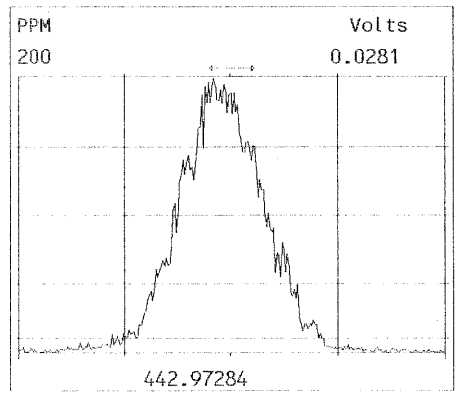




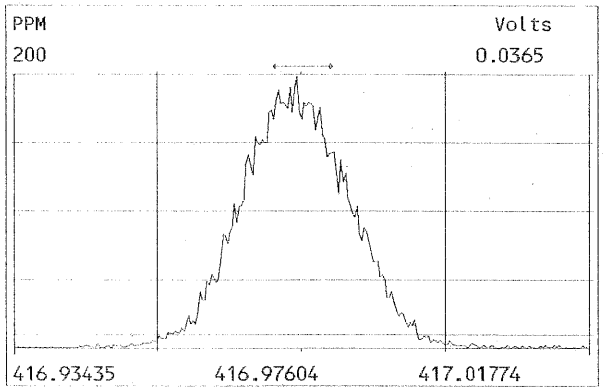


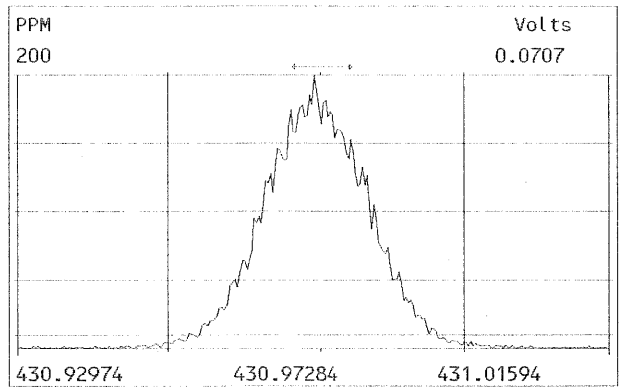


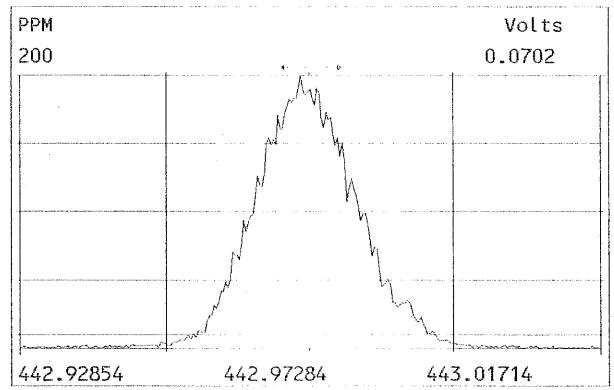


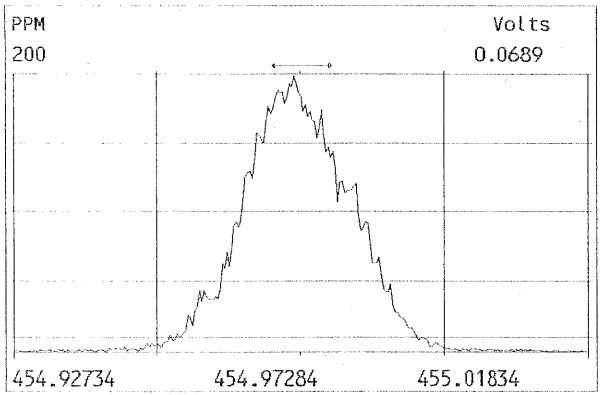


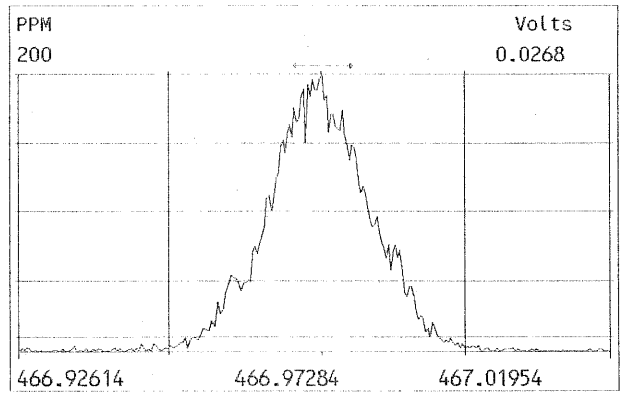
Peak Locate Examination:27-OCT-2020:01:16 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

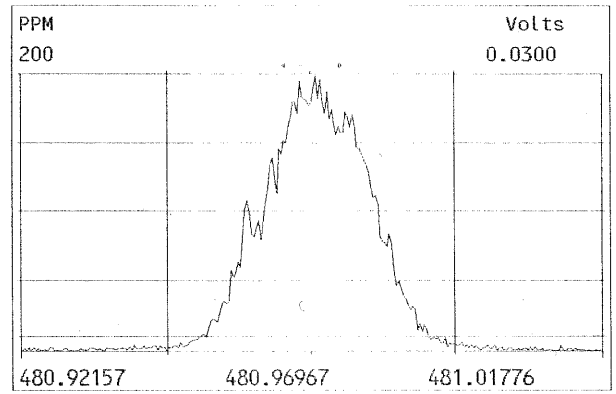


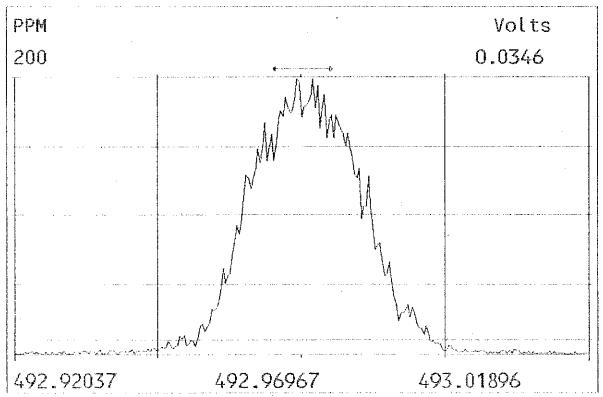


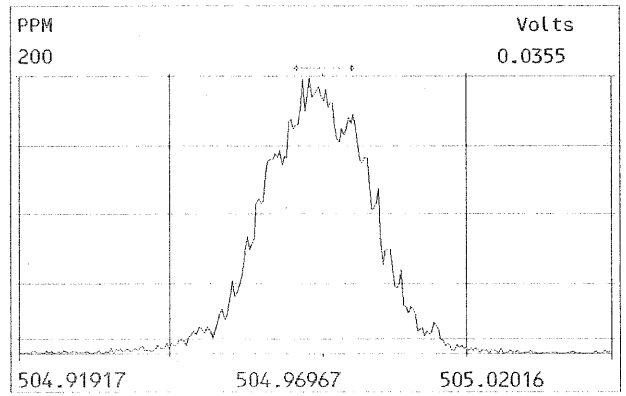


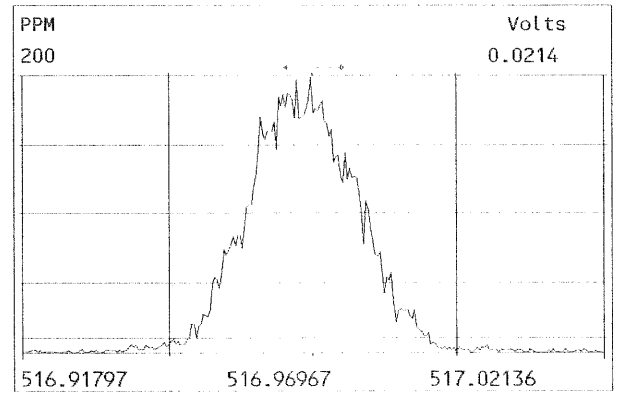












Frontier Analytical Laboratory

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: _____ 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

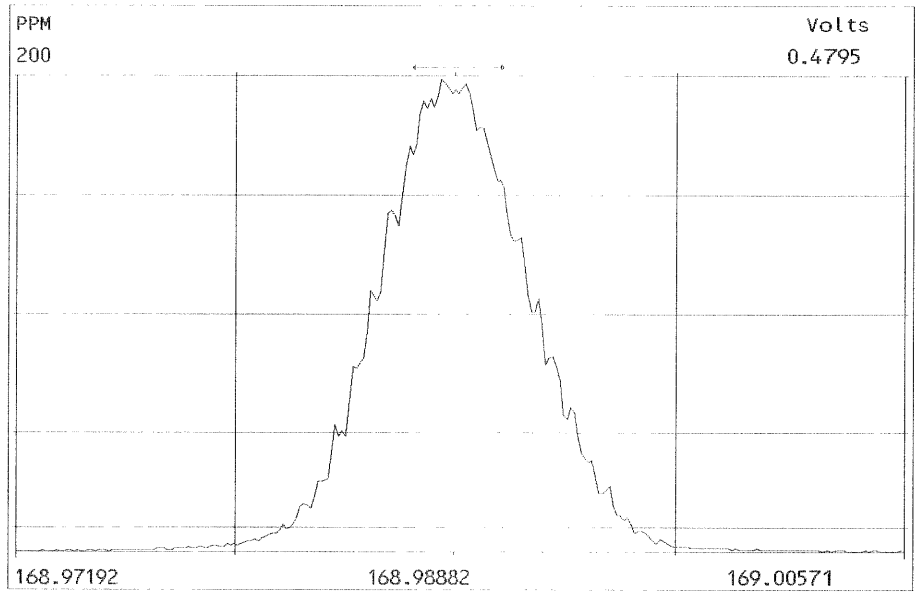
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
26OCT20Z	1	ST102620Z1	CS209 200406A	26-OCT-20 09:58:45	ST102620Z1	ST102620Z2	BS
26OCT20Z	2	05493-001-0001-OPR	OPR	26-OCT-20 10:58:26	ST102620Z1	ST102620Z2	BS
26OCT20Z	3	05493-001-0001-MB	Method Blank	26-OCT-20 11:56:47	ST102620Z1	ST102620Z2	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

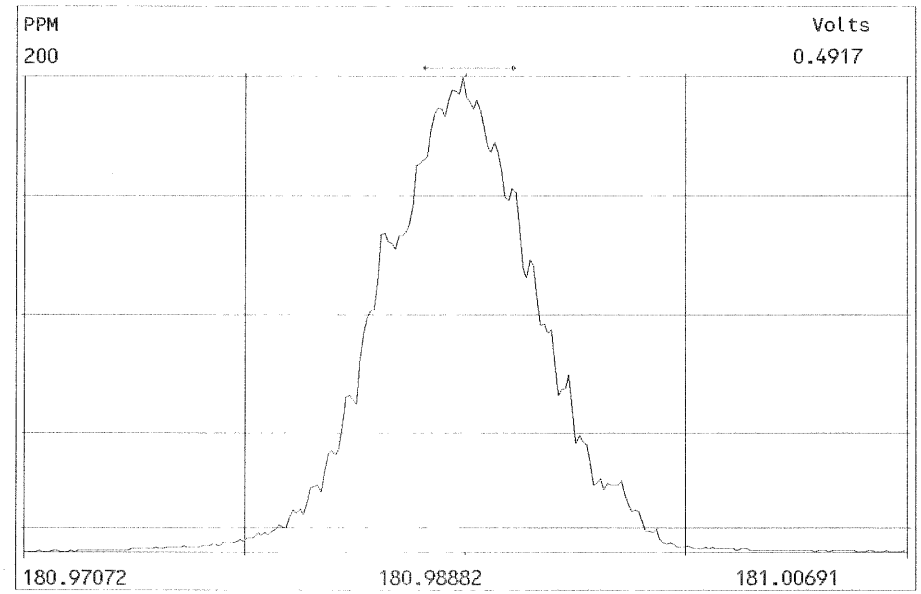
10/27/20

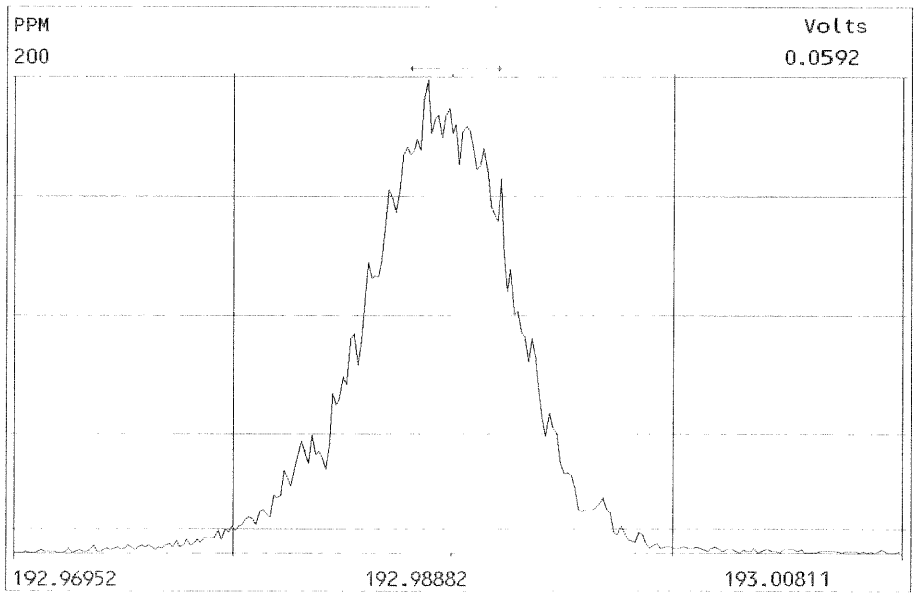
Data Backed Up:_____

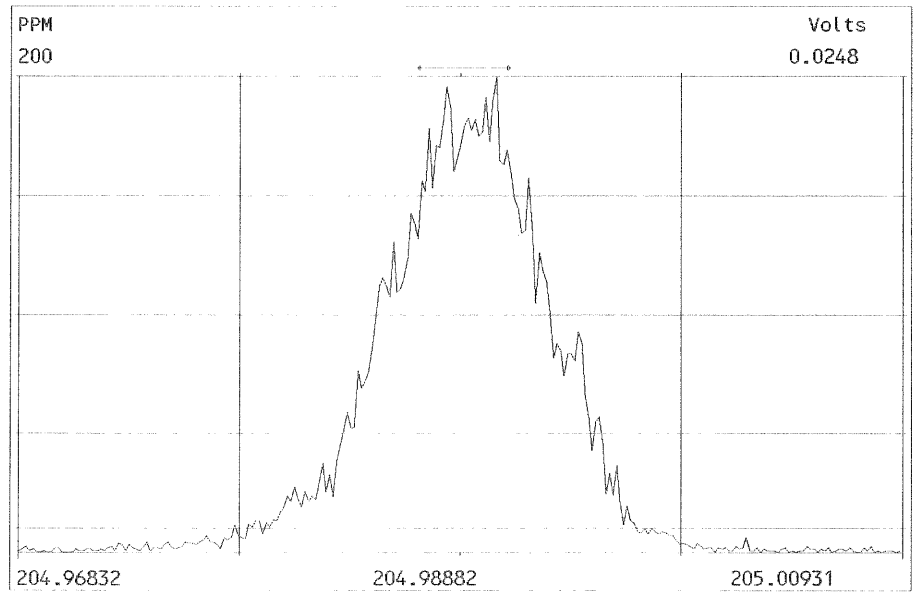
Date:_____

Peak Locate Examination:26-OCT-2020:09:55 File:26OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

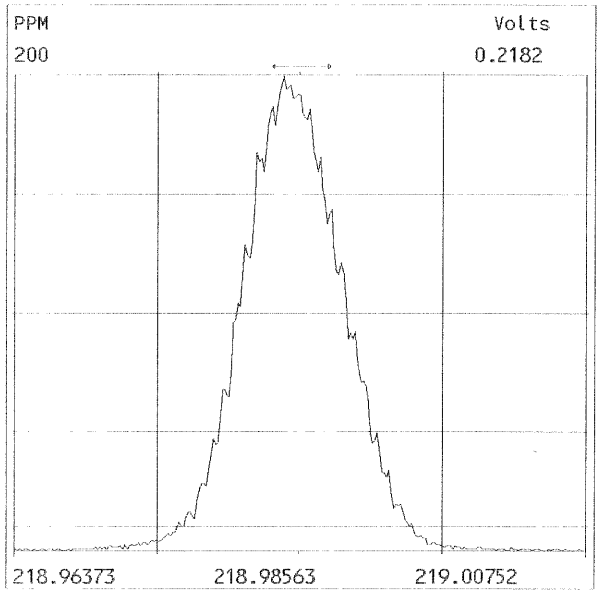


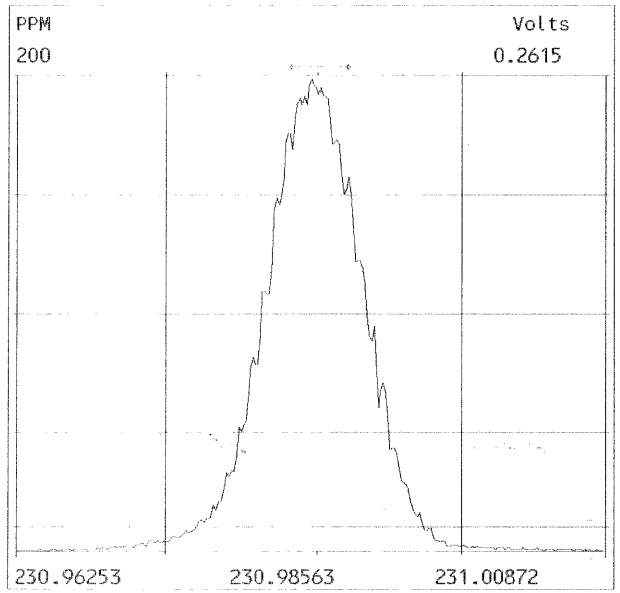


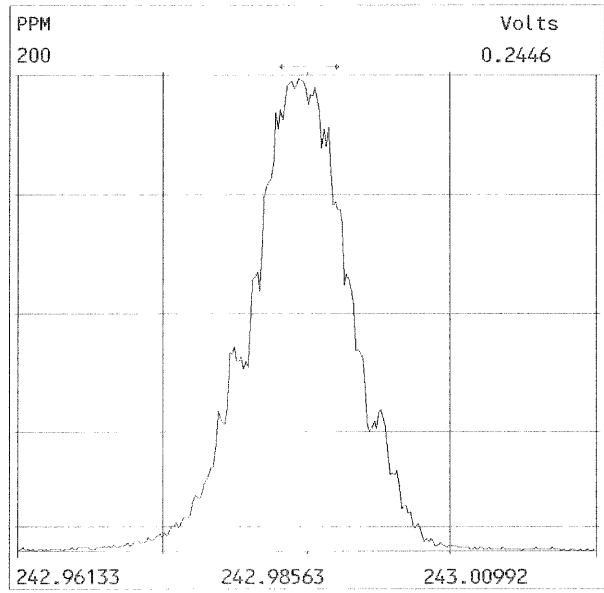


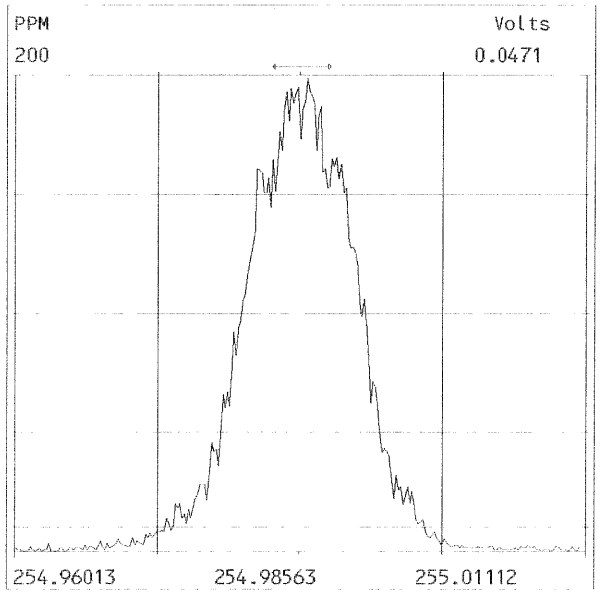


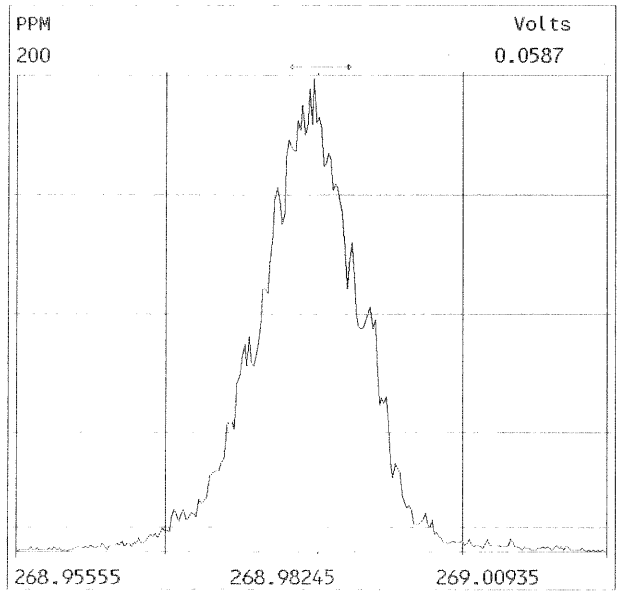
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

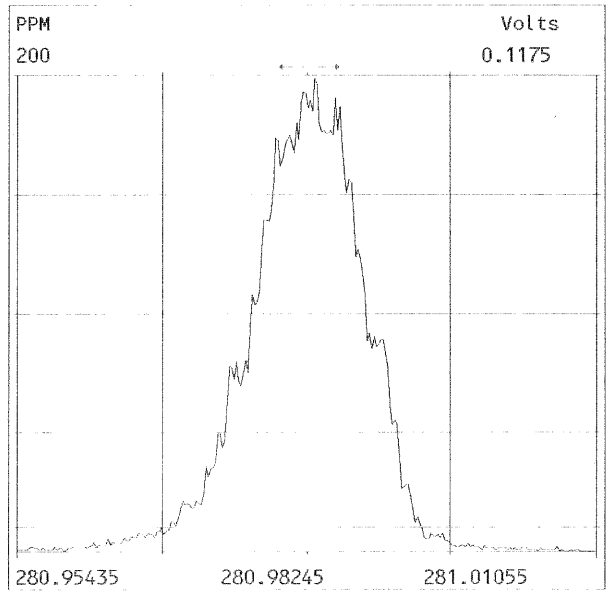




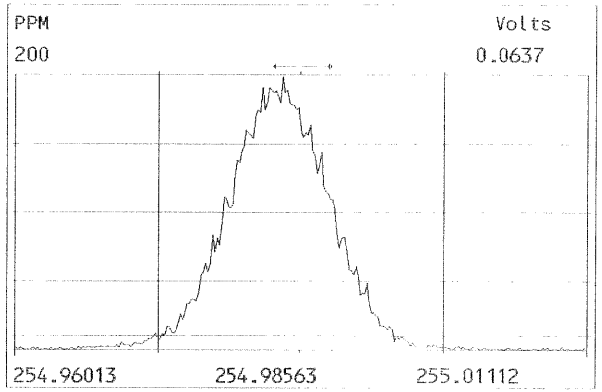


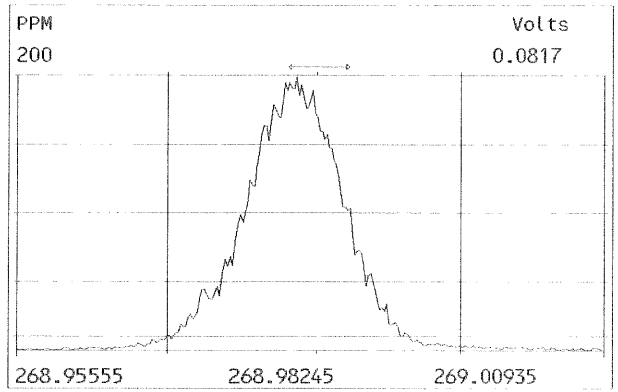


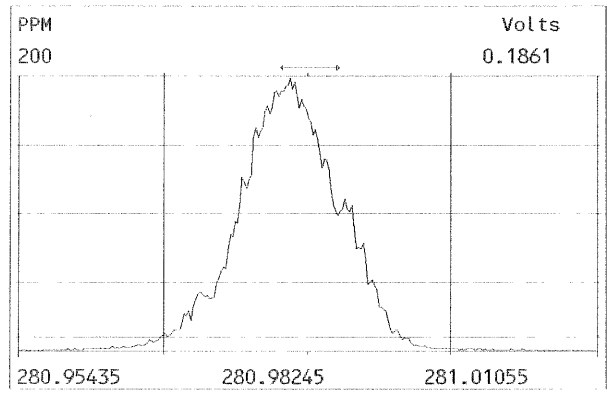


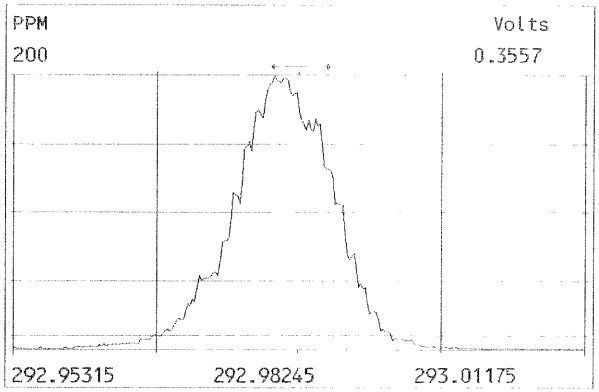


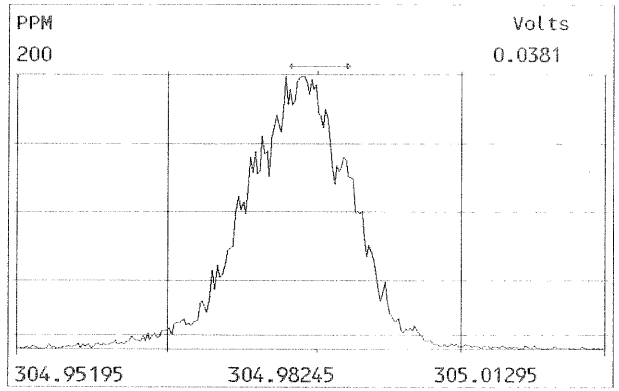
Peak Locate Examination:26-OCT-2020:09:56 File:26OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

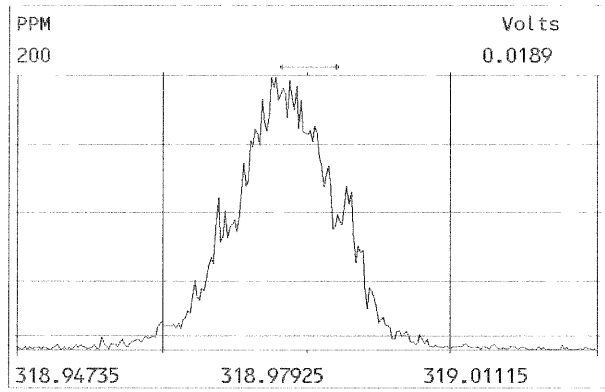


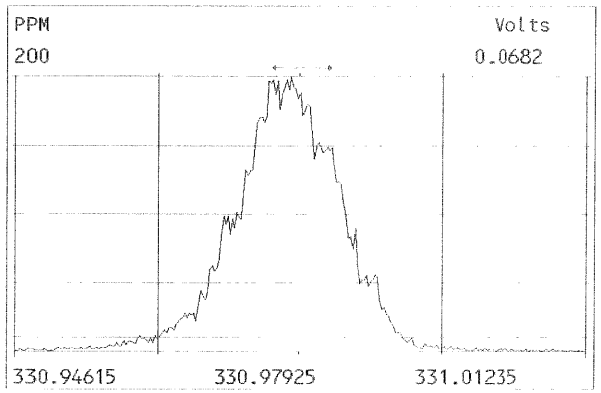


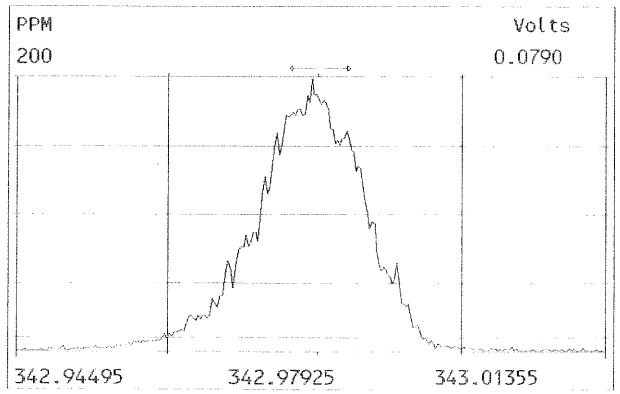




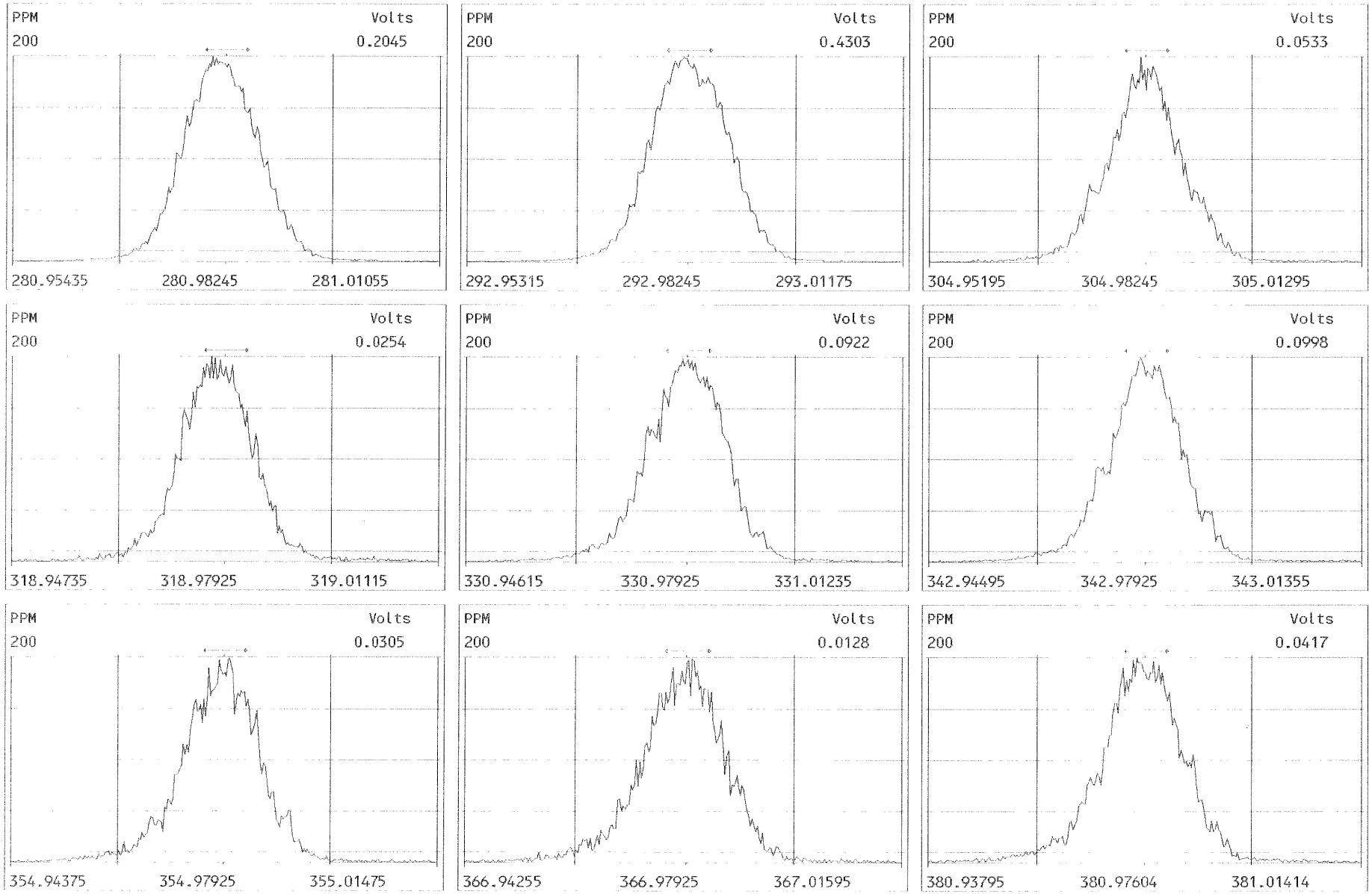




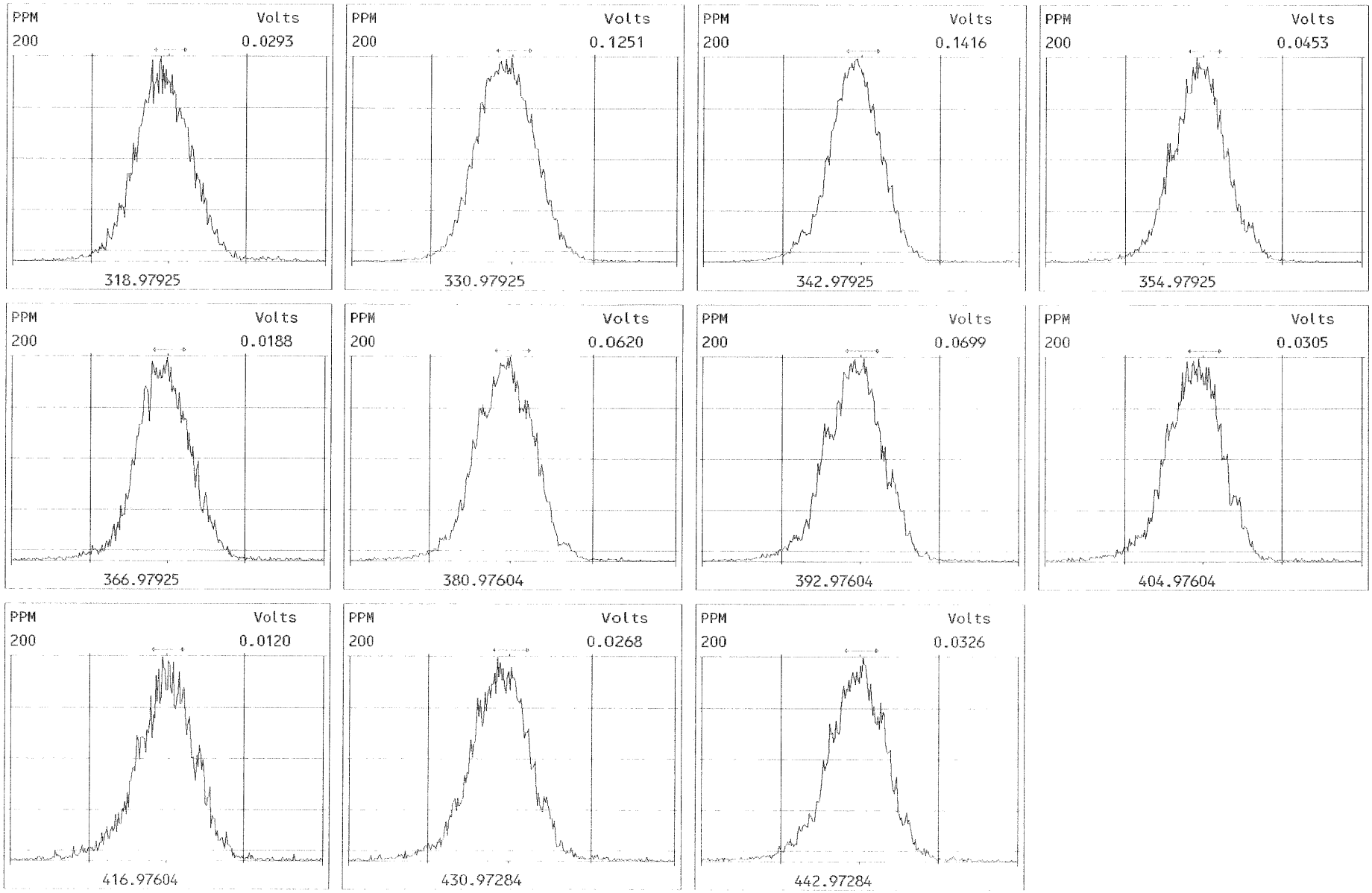




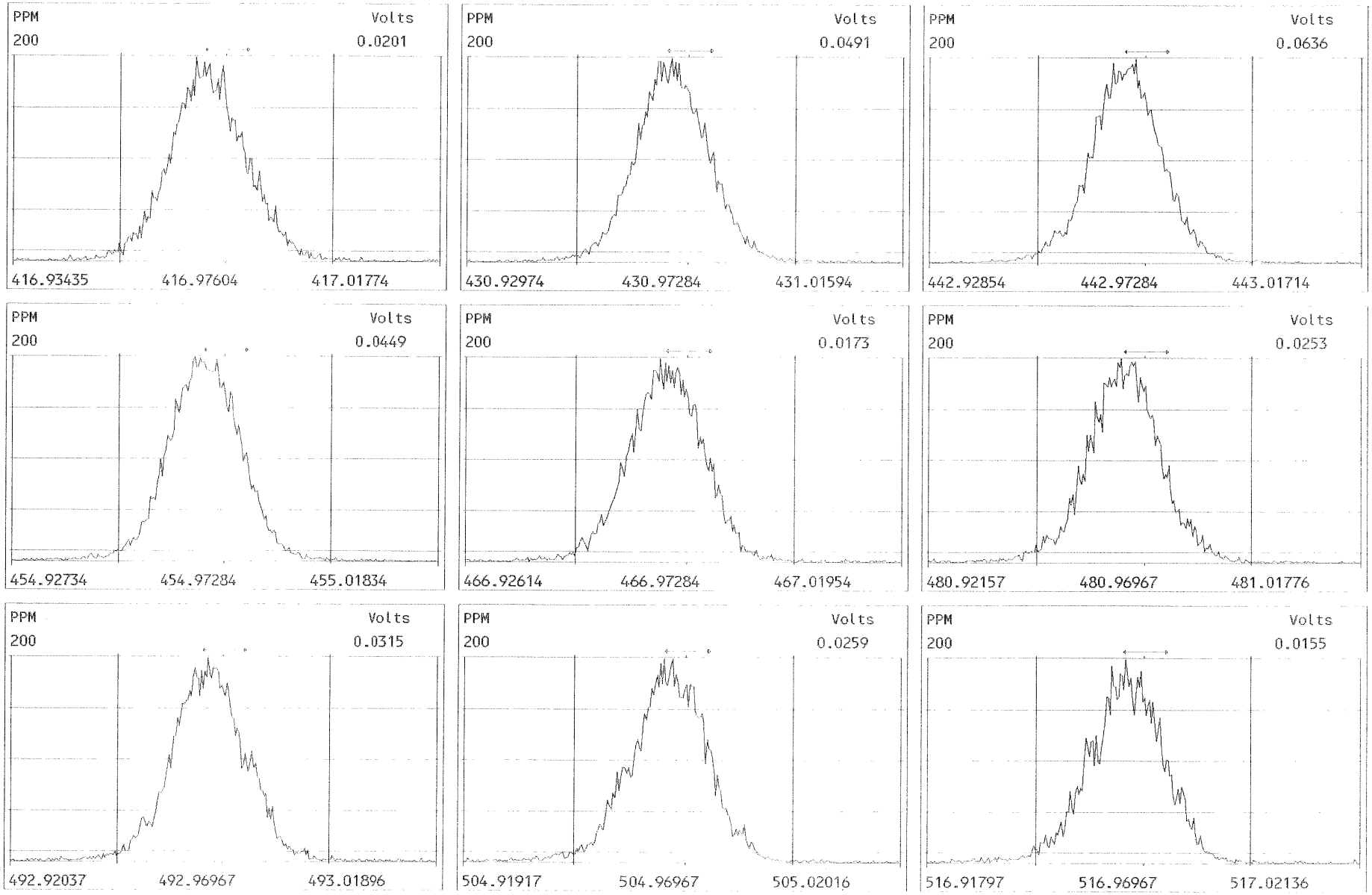
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:4 Reference:PFK



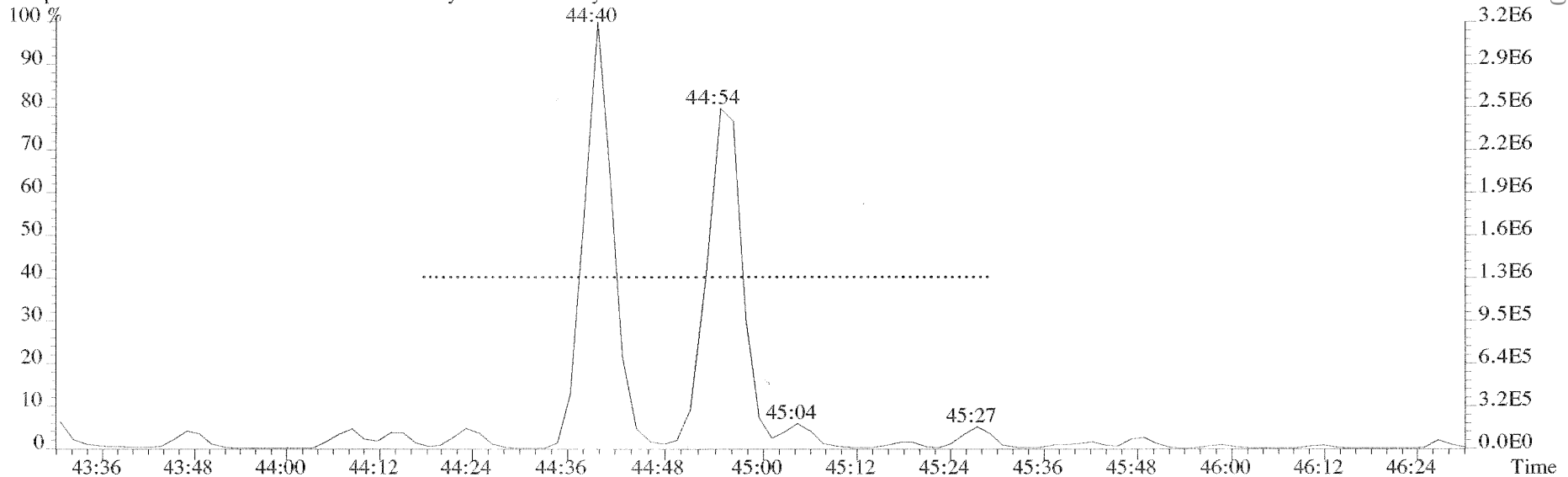
Peak Locate Examination:26-OCT-2020:09:57 File:26OCT20Z
Experiment:1668PCB Function:5 Reference:PFK



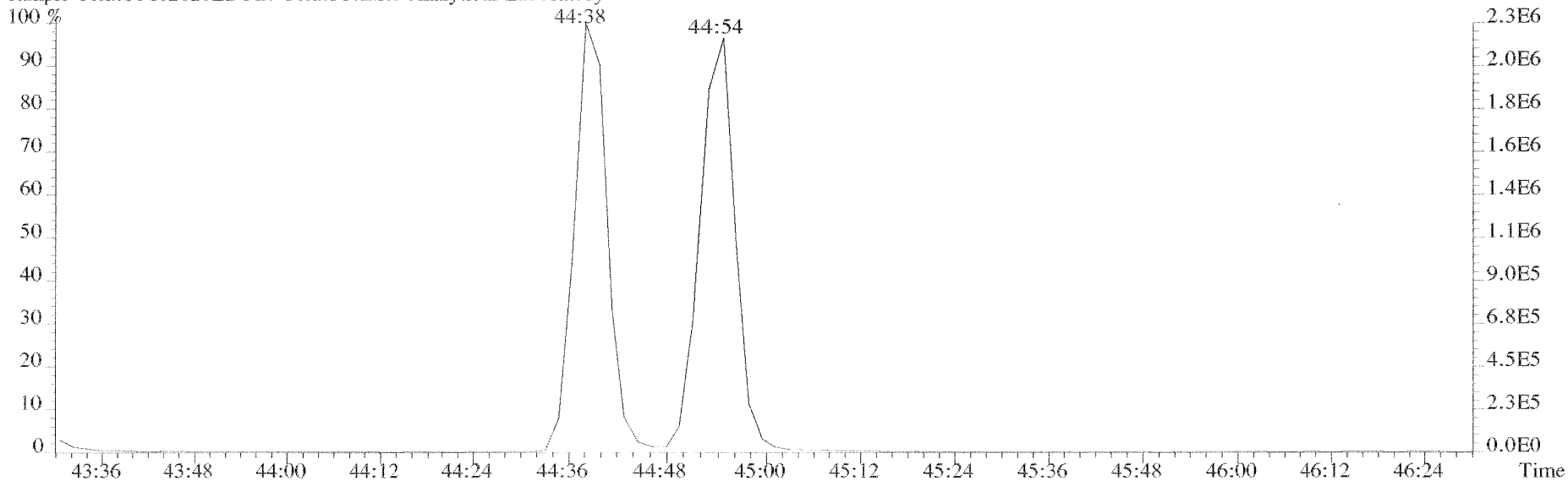
Peak Locate Examination:26-OCT-2020:09:58 File:26OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



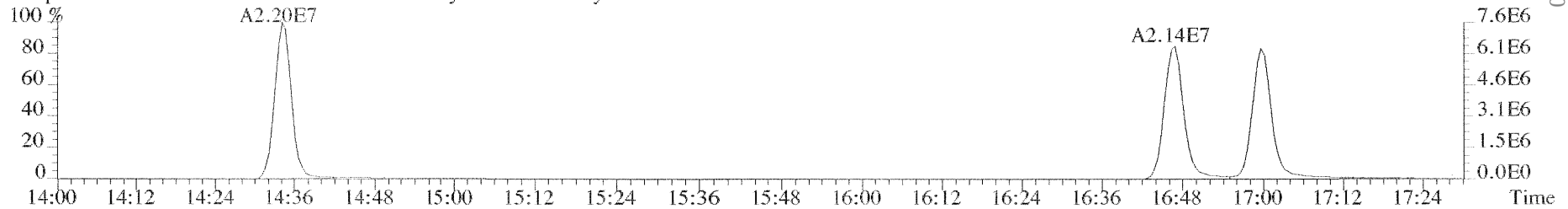
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



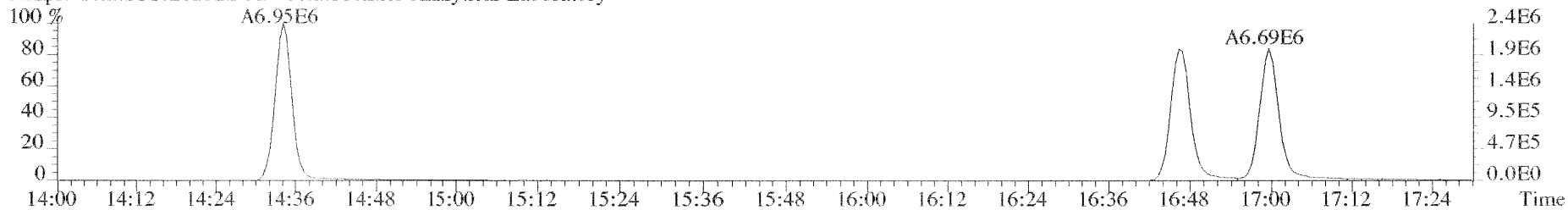
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



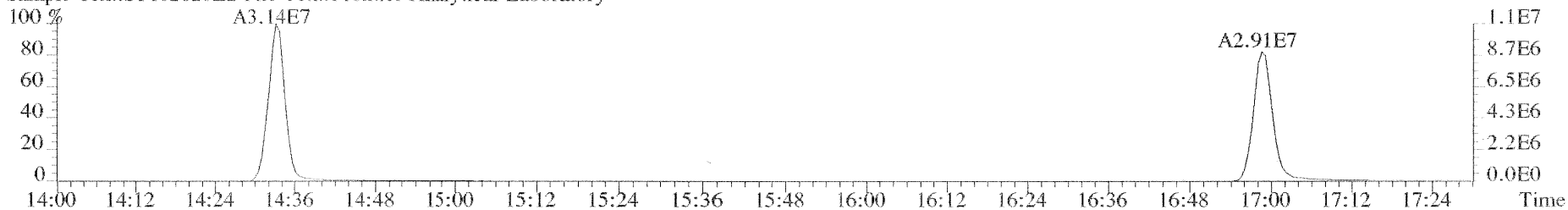
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



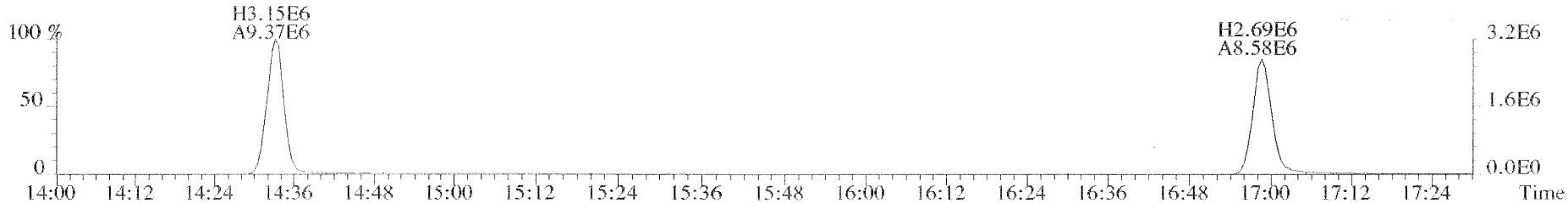
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



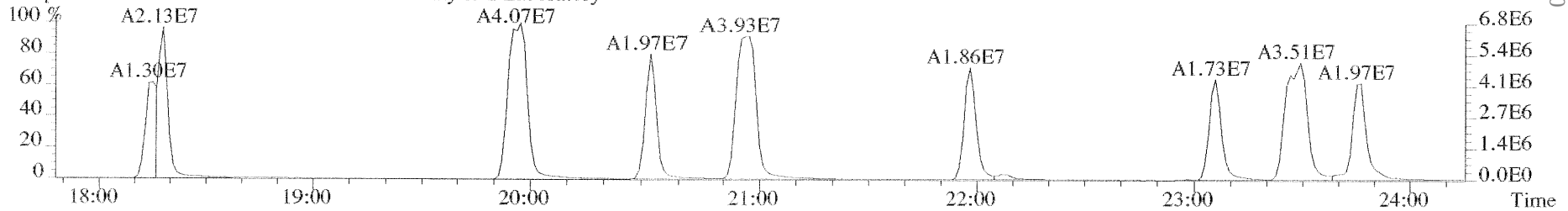
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



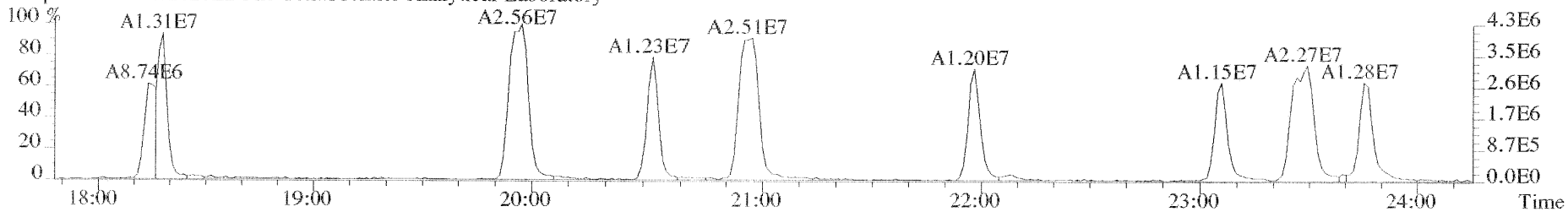
File:26OCT20Z #1-784 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



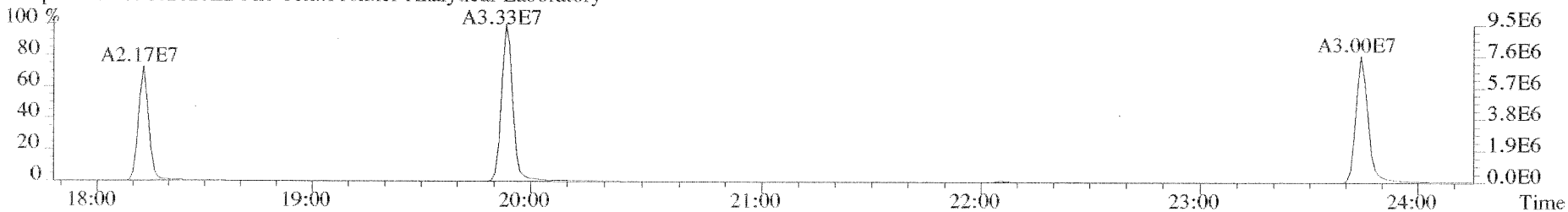
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



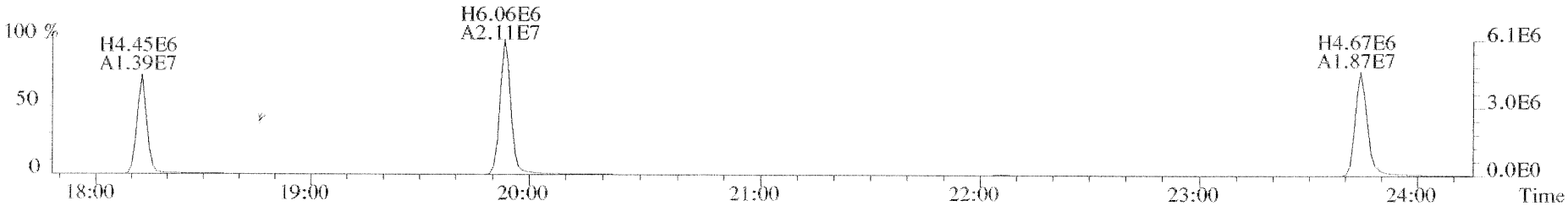
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



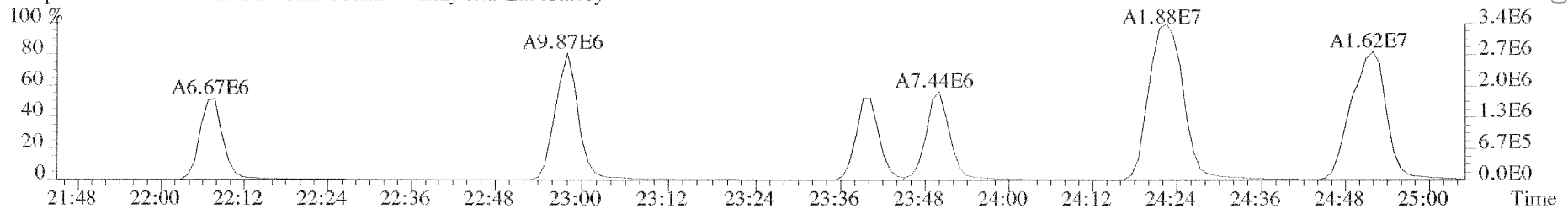
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



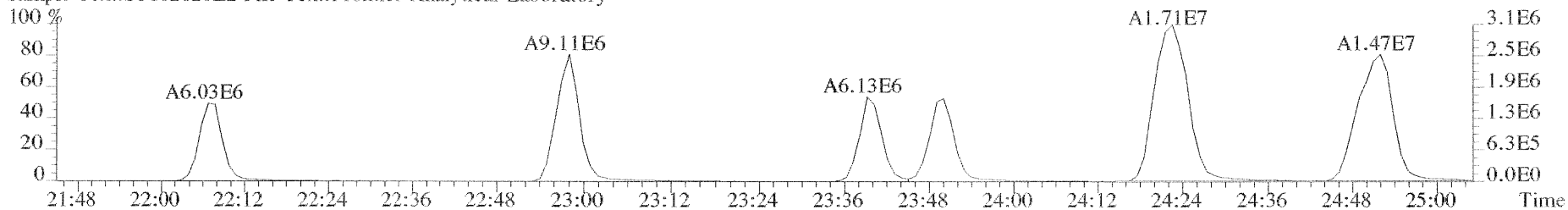
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



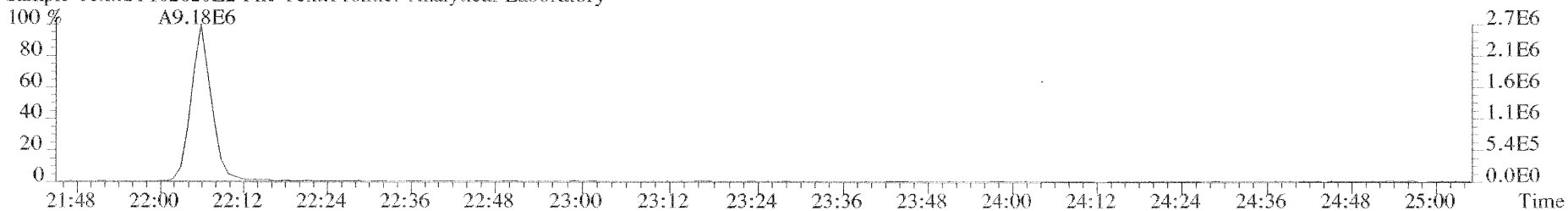
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



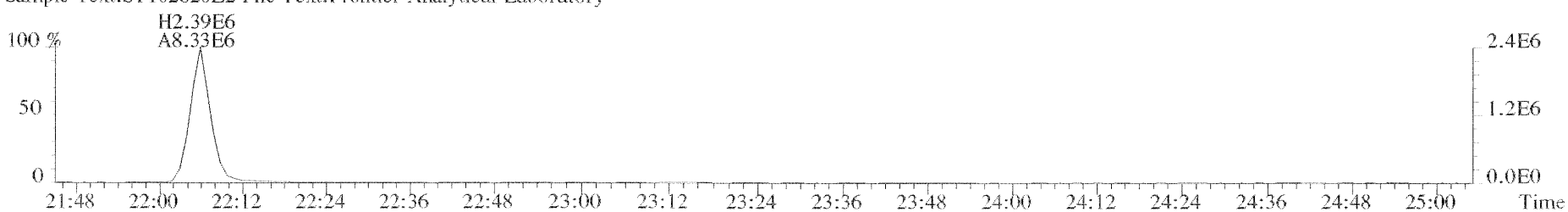
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



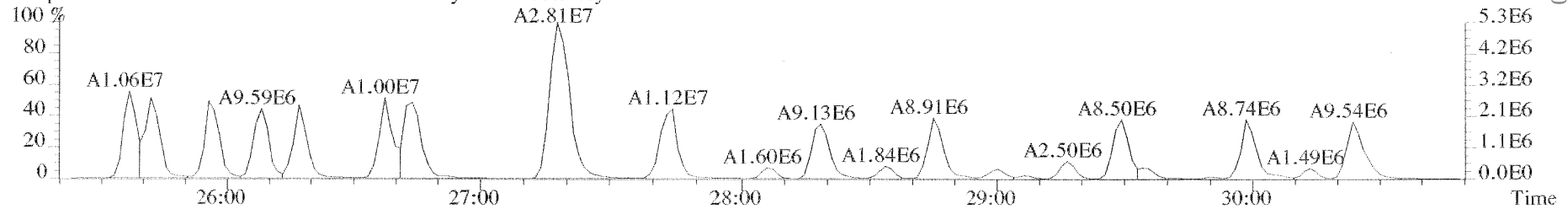
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



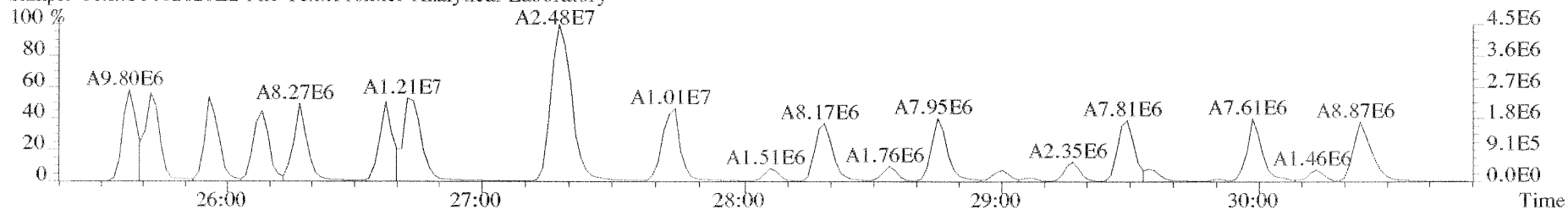
File:26OCT20Z #1-467 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



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



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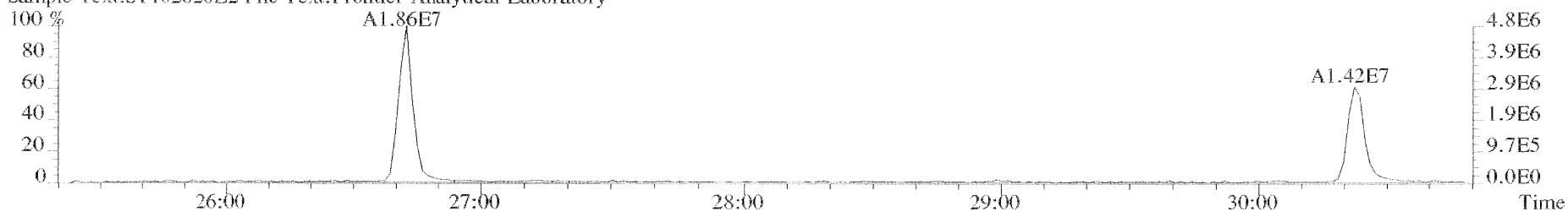
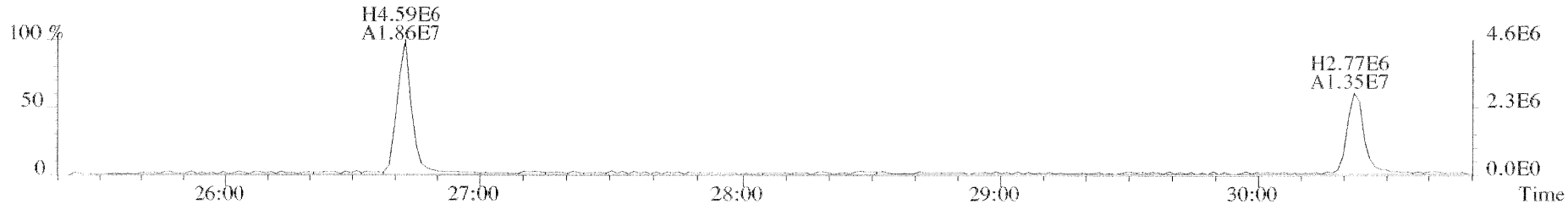
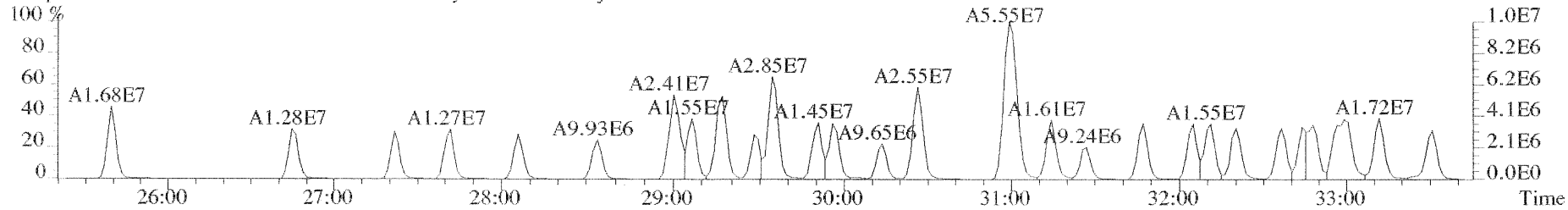
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



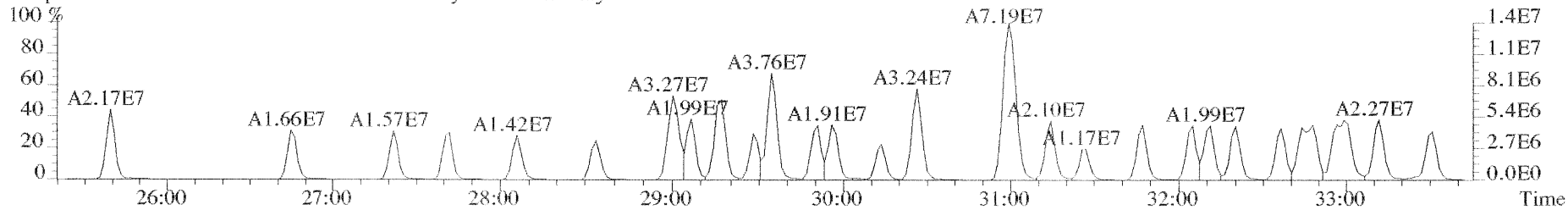
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



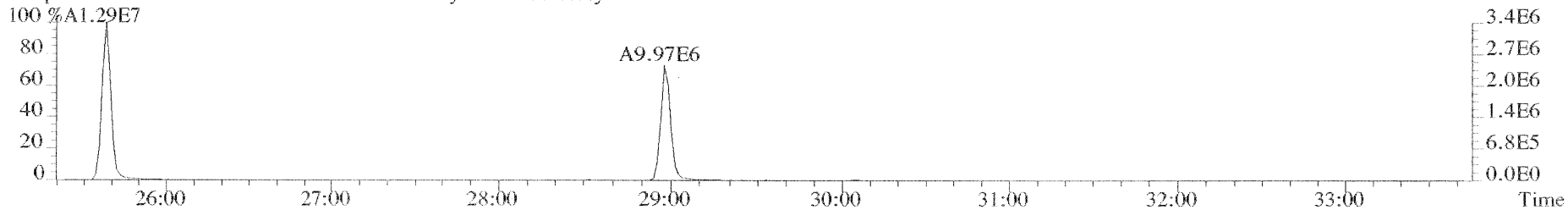
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



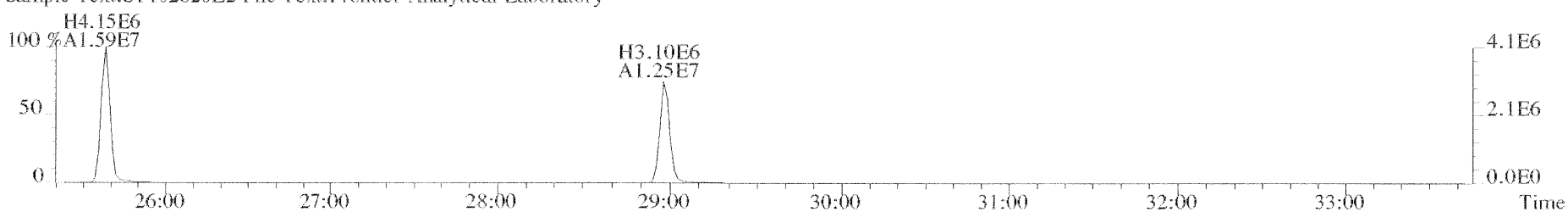
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



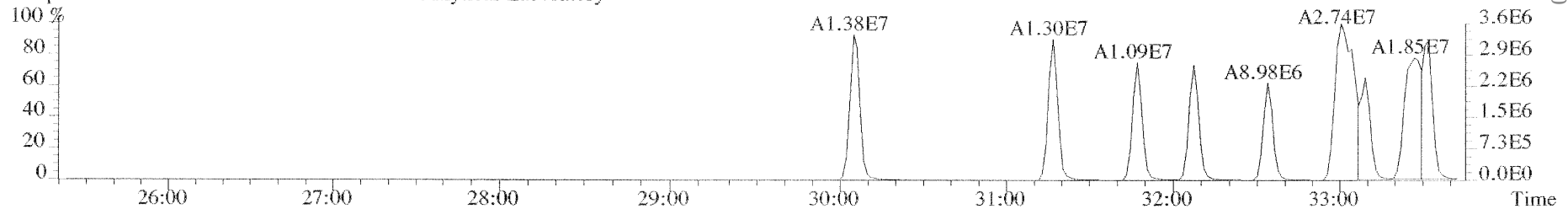
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



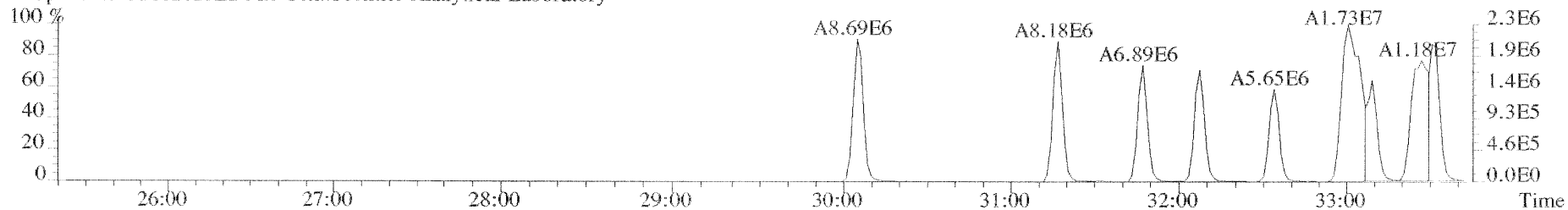
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



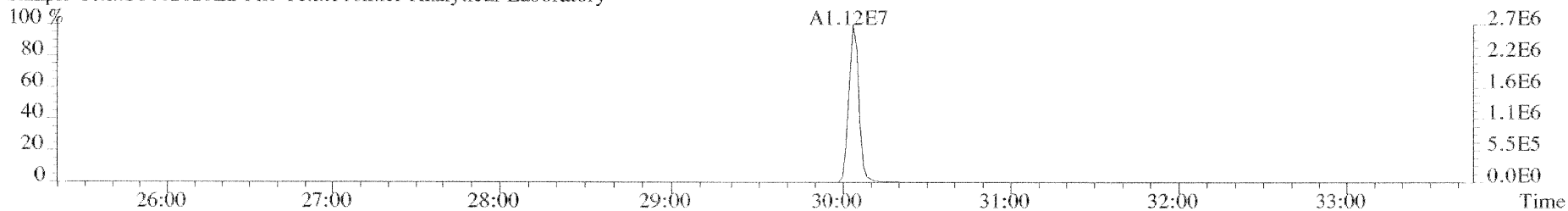
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



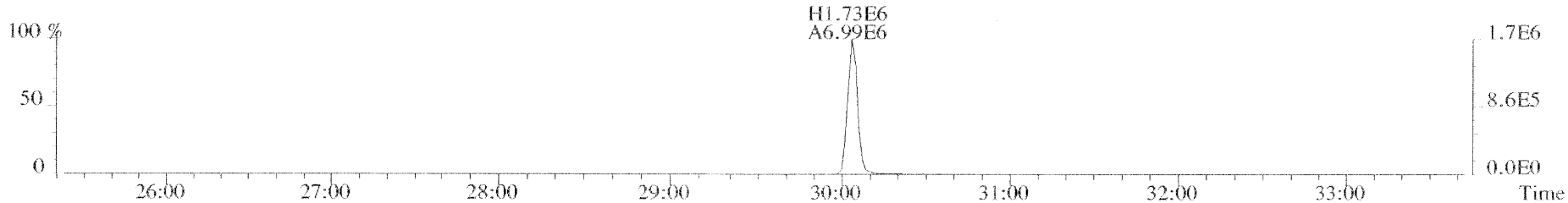
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



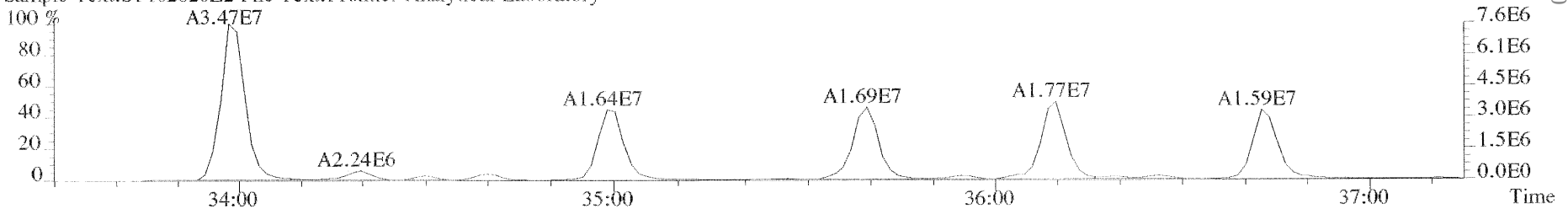
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



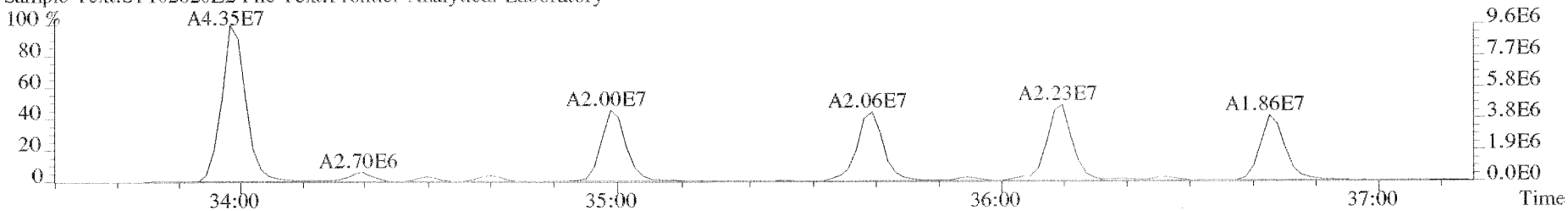
File:26OCT20Z #1-396 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



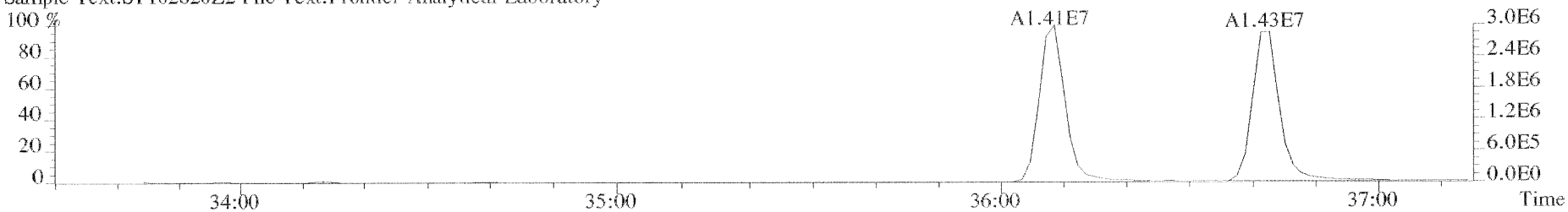
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



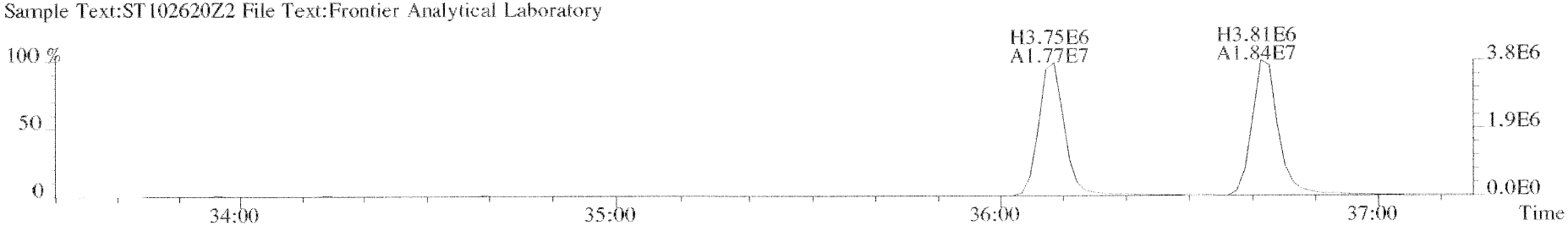
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



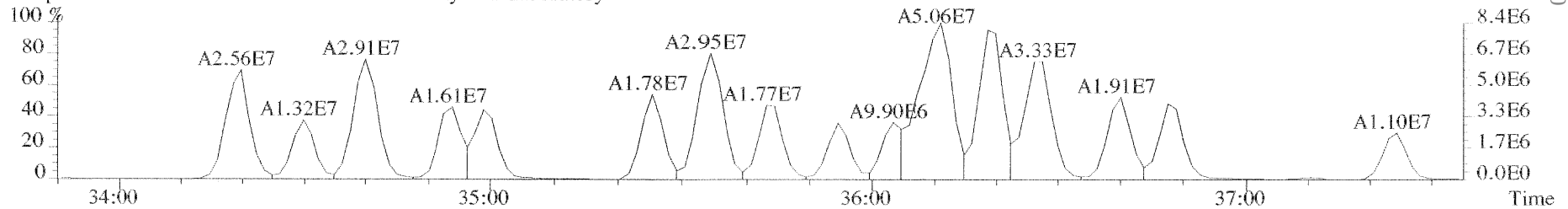
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



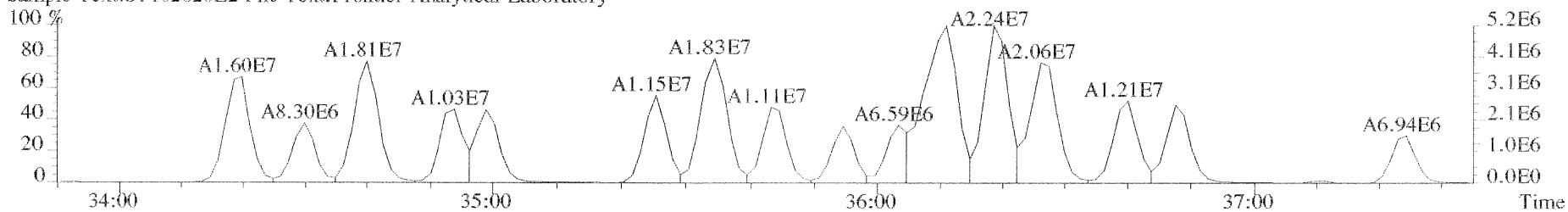
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



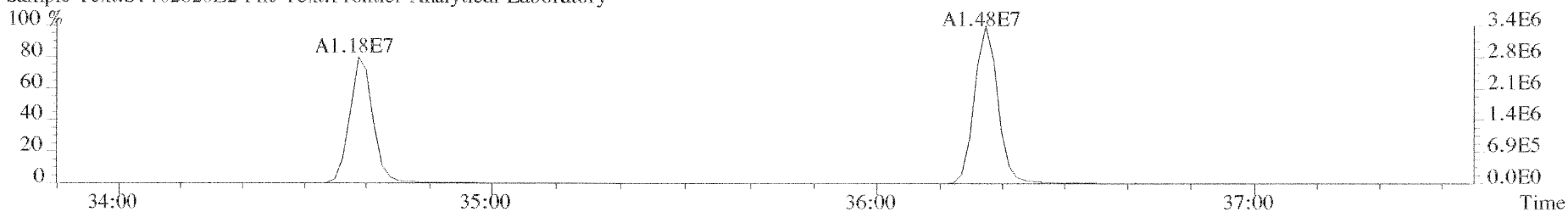
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



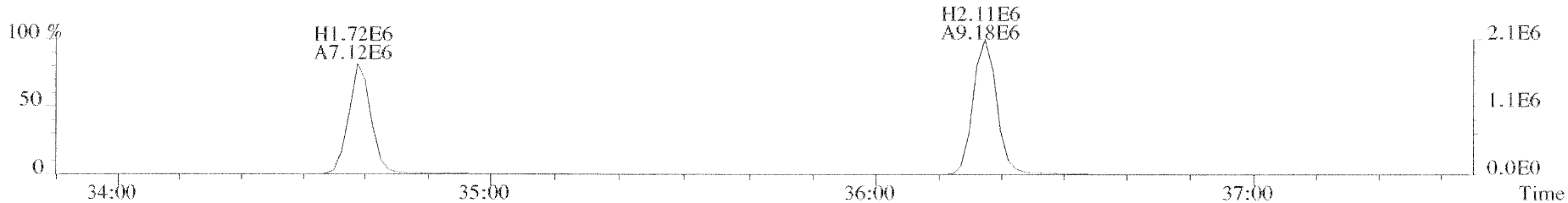
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



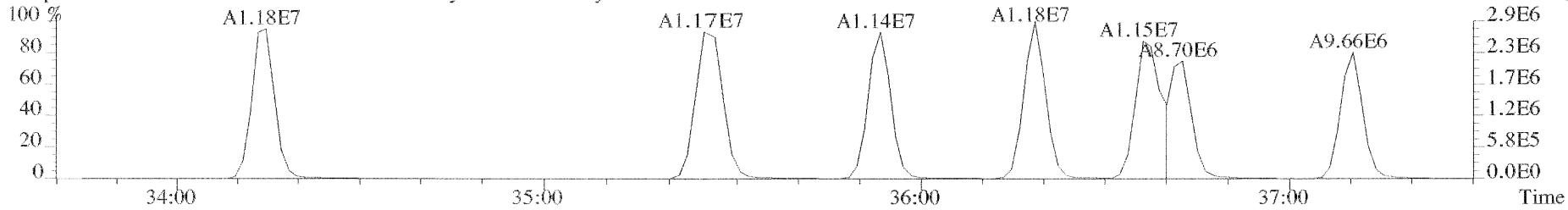
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



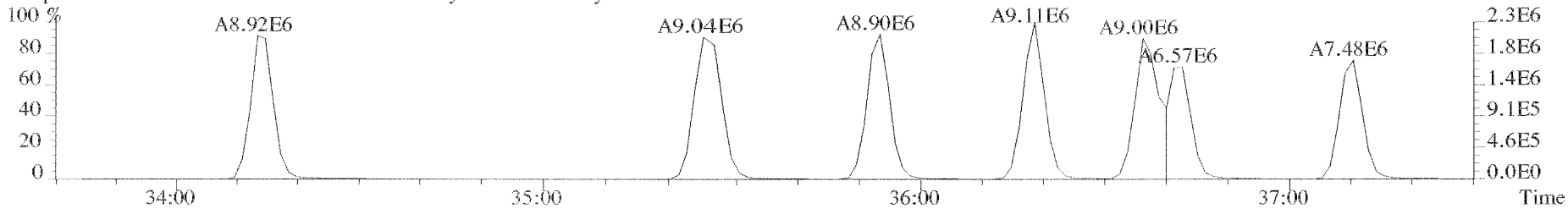
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



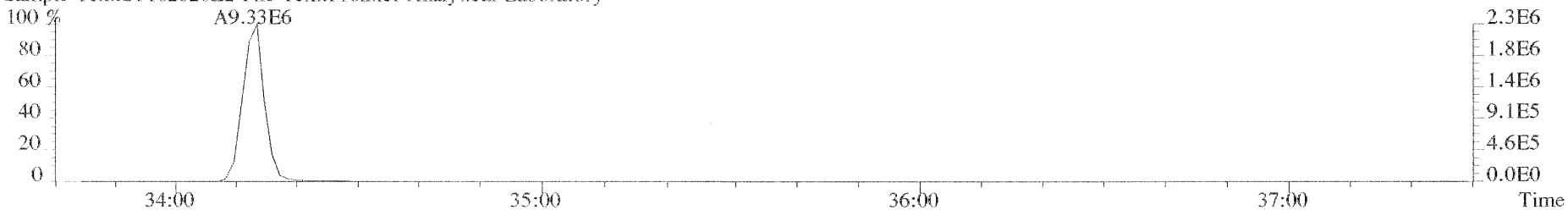
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



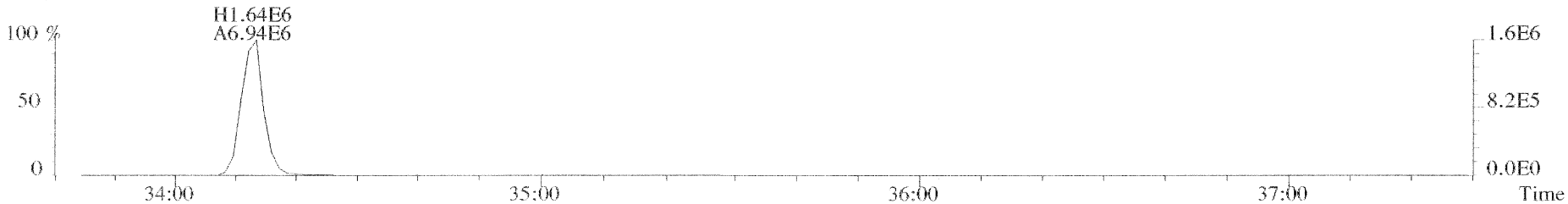
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



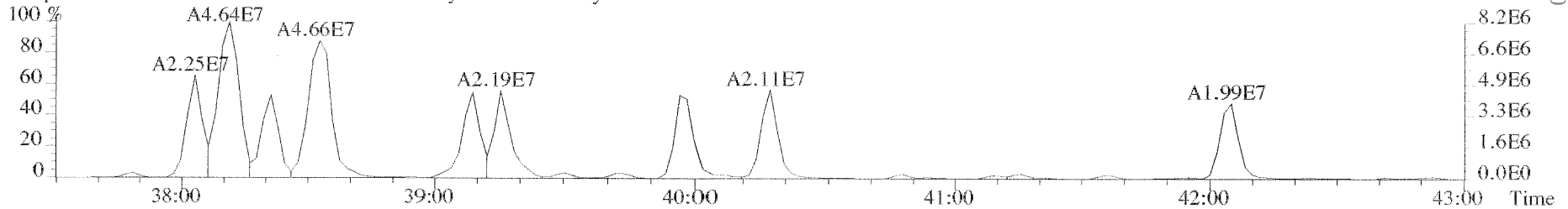
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



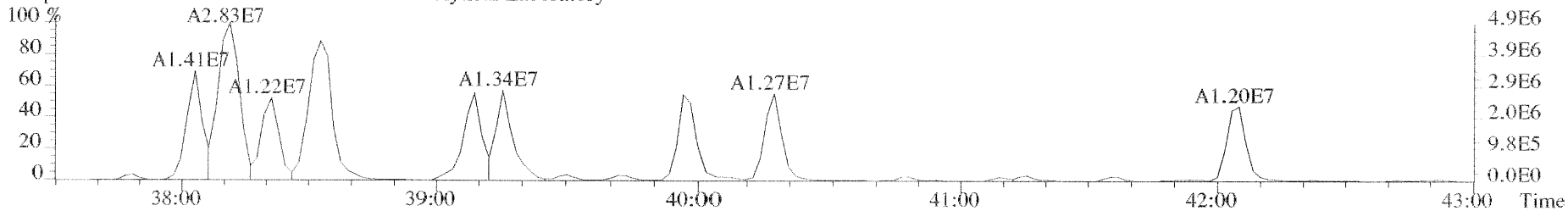
File:26OCT20Z #1-184 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



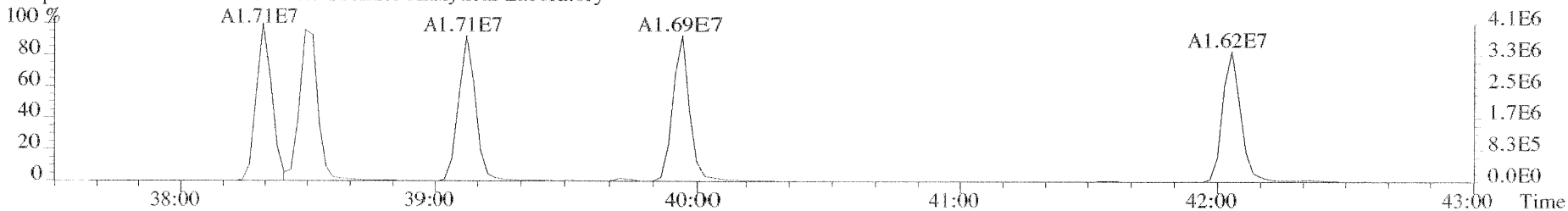
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



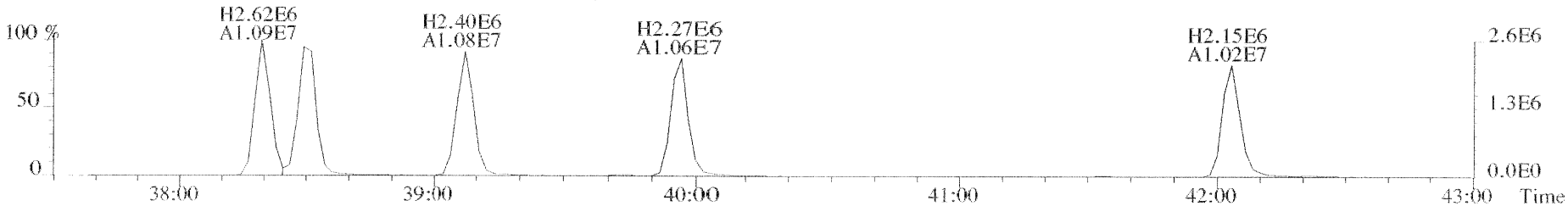
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



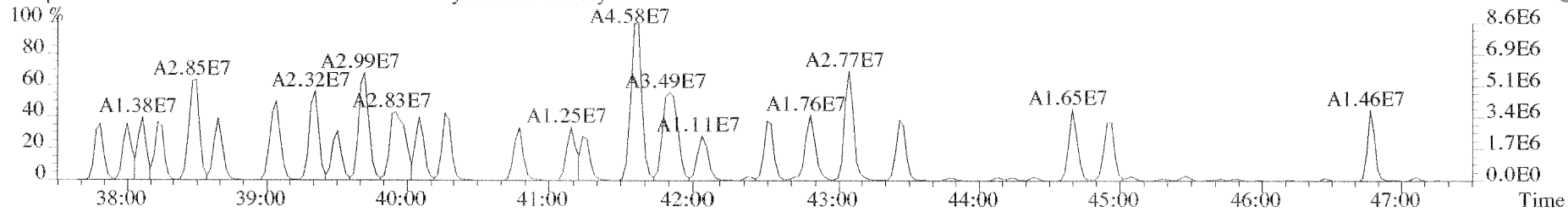
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



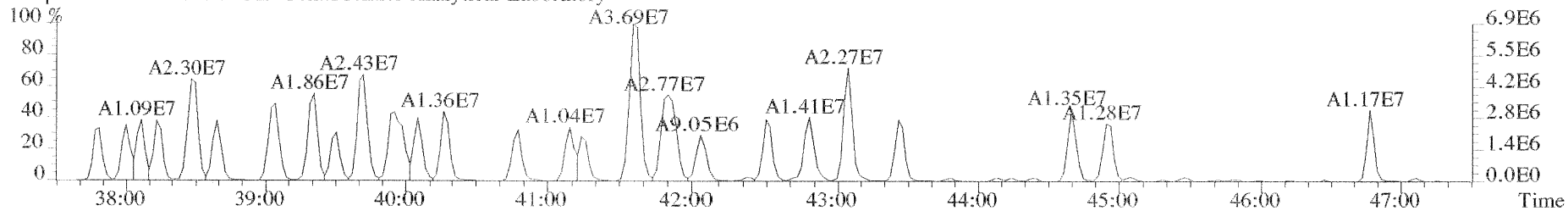
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



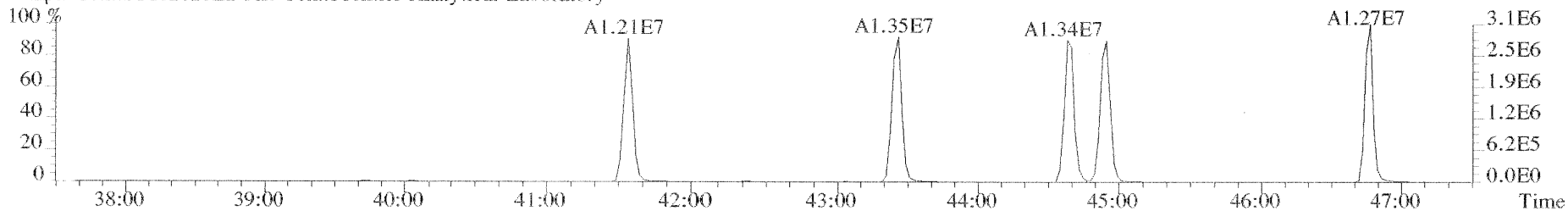
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



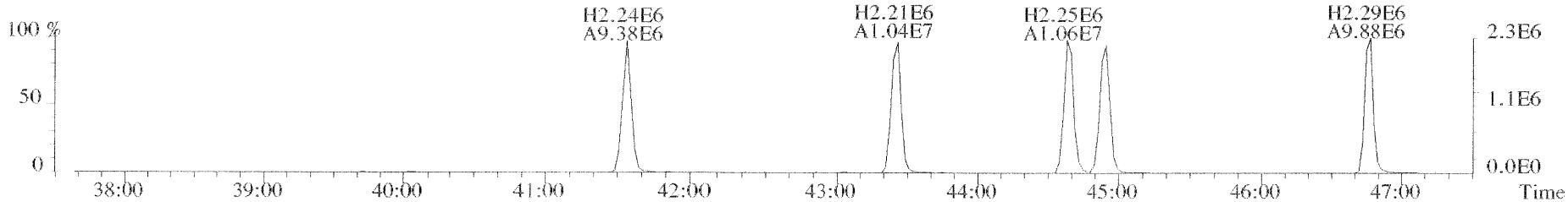
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



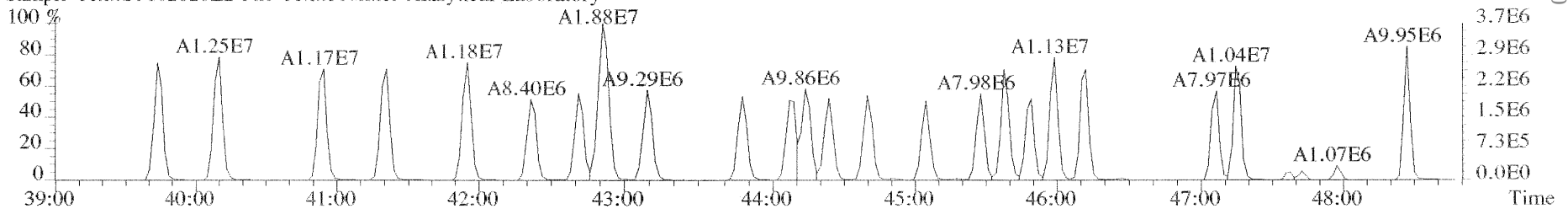
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



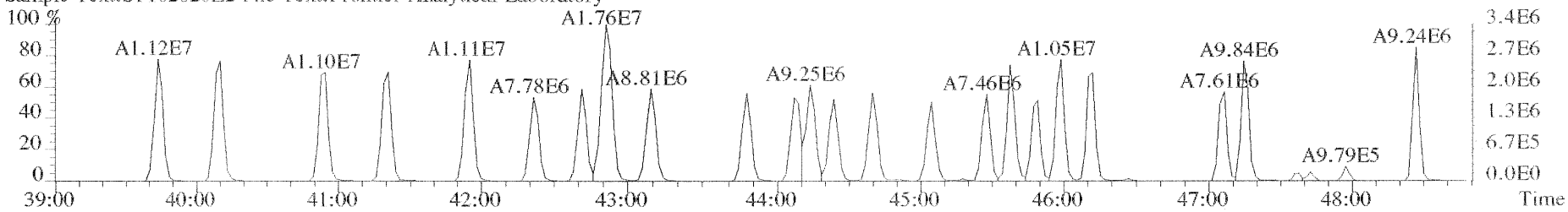
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



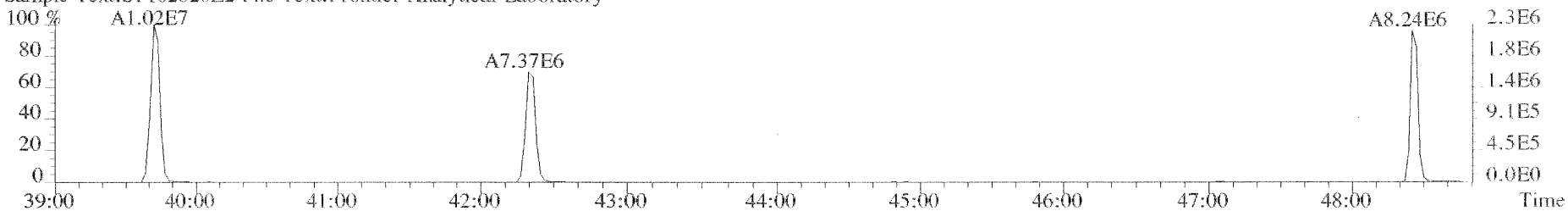
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



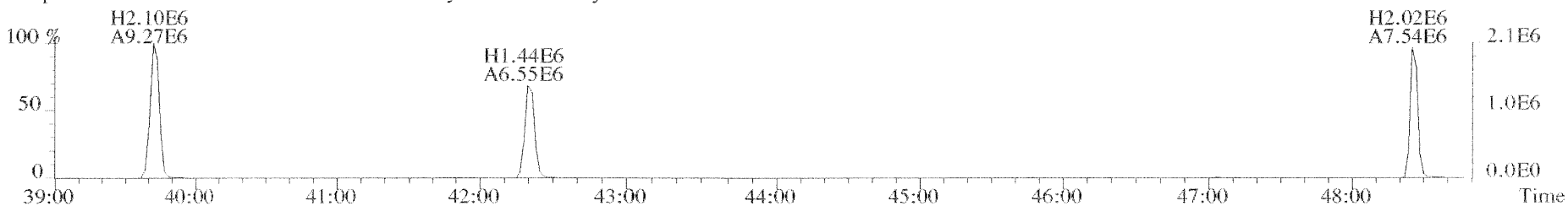
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



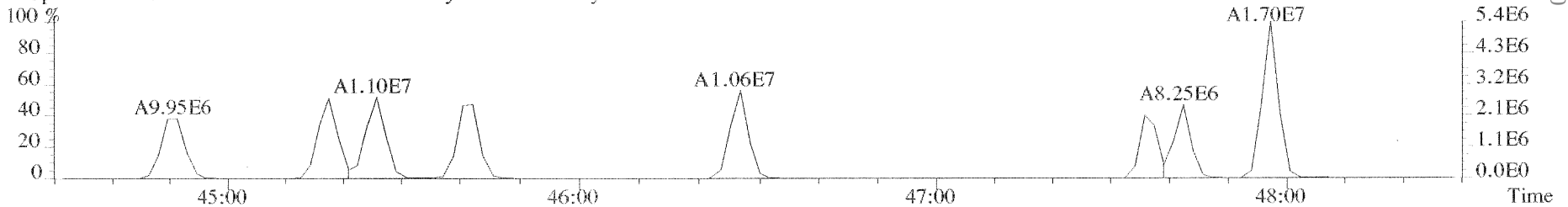
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



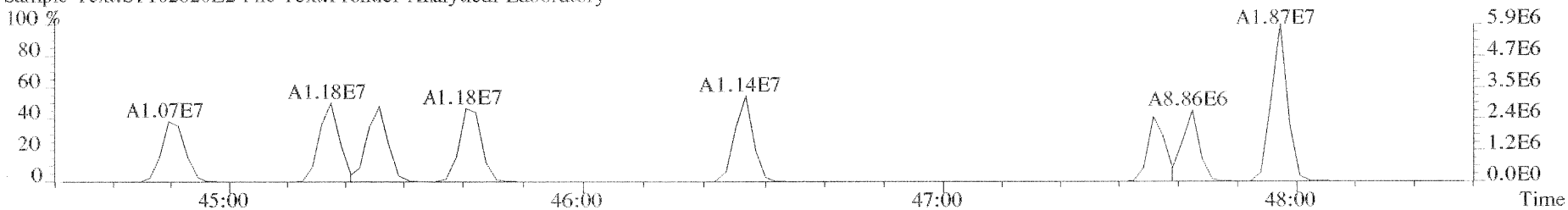
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



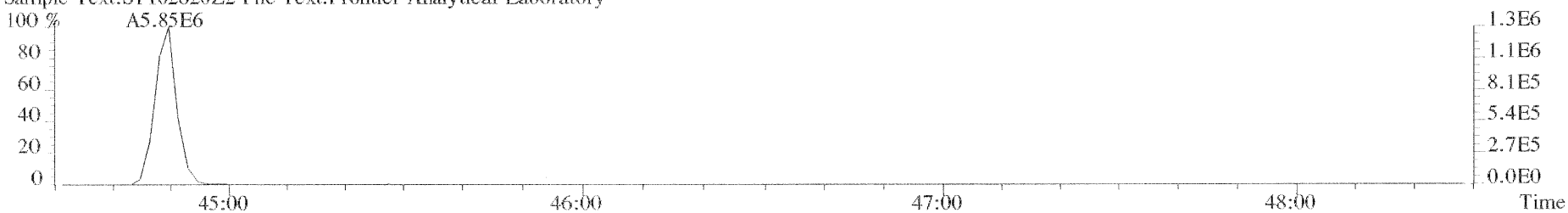
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



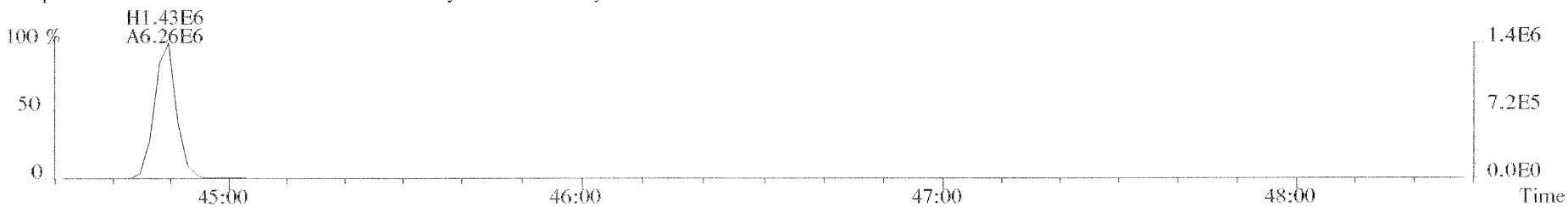
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



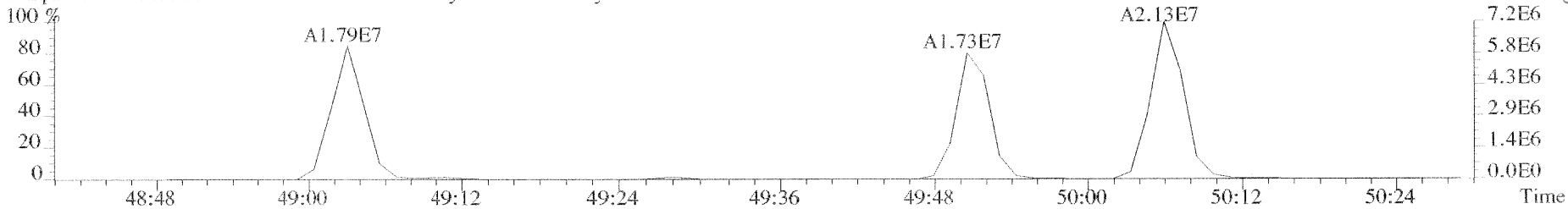
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



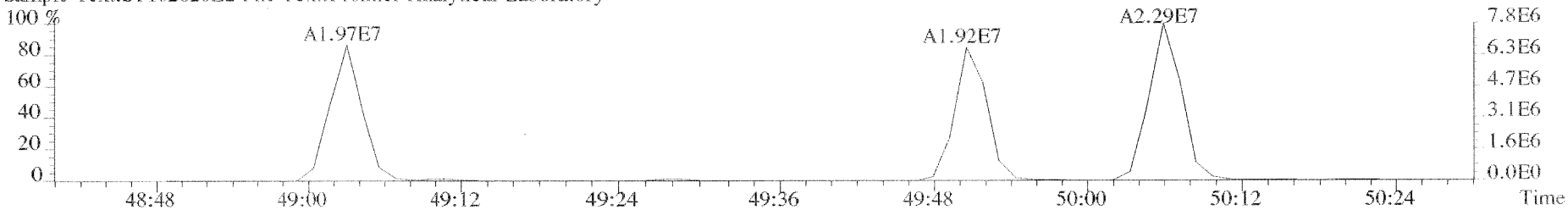
File:26OCT20Z #1-407 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



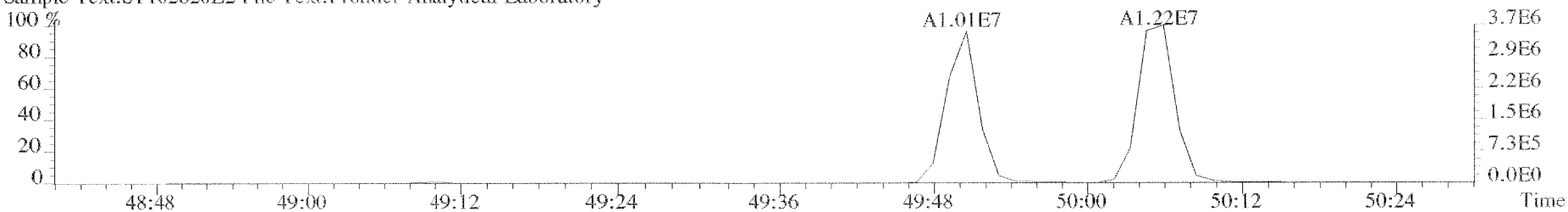
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



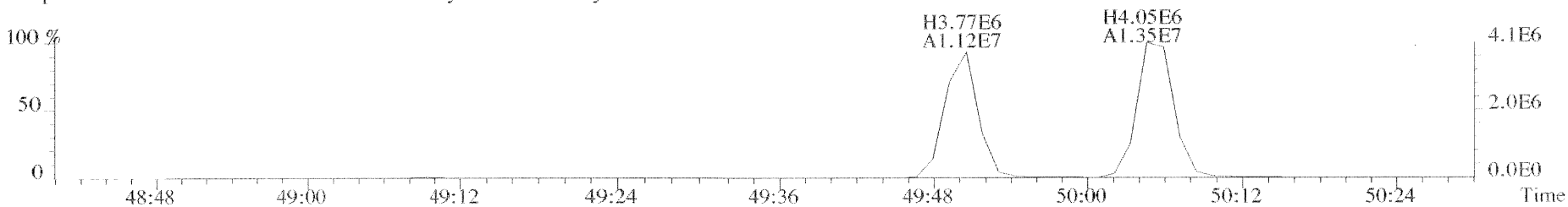
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



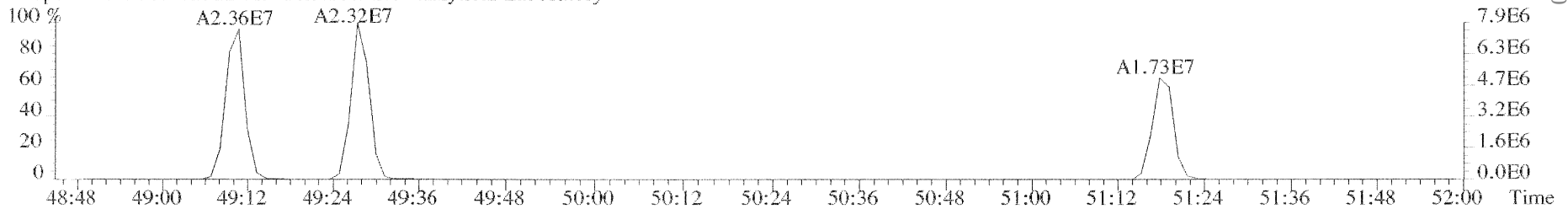
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



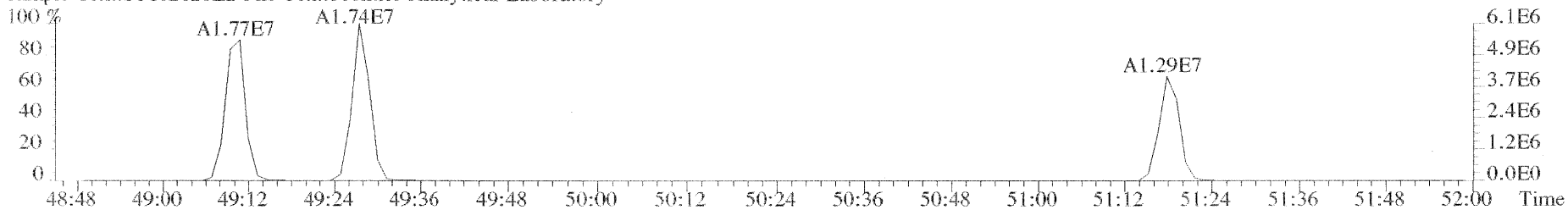
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



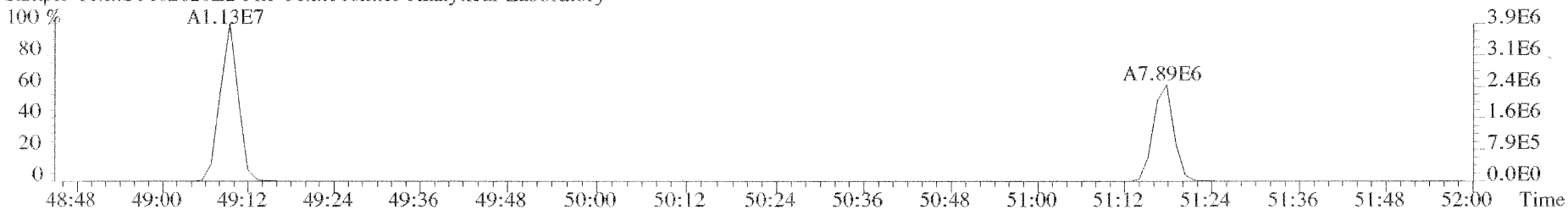
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



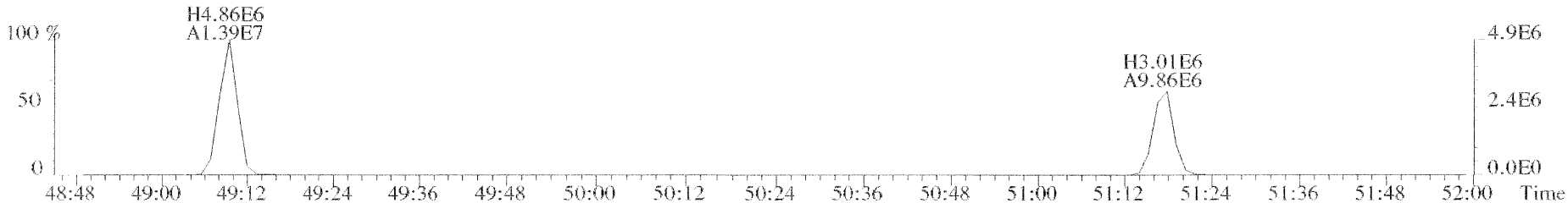
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



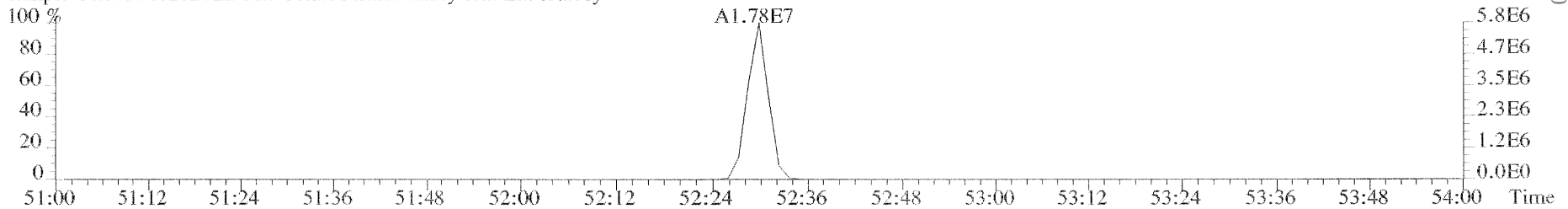
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



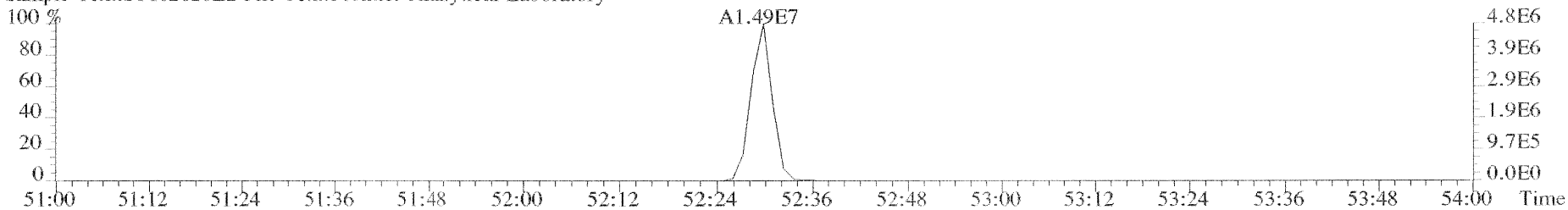
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



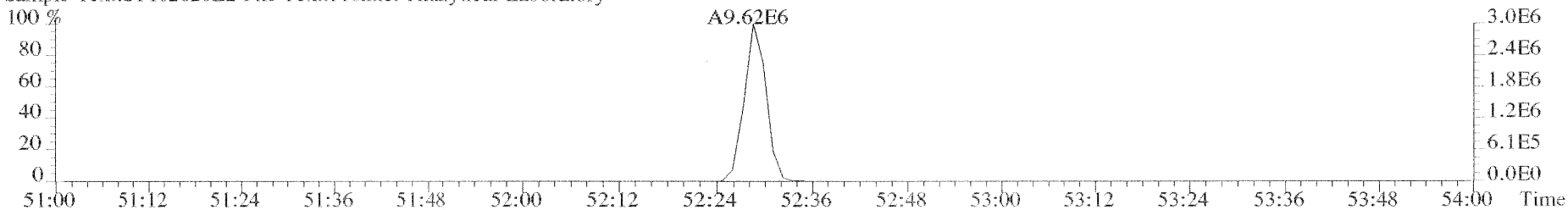
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



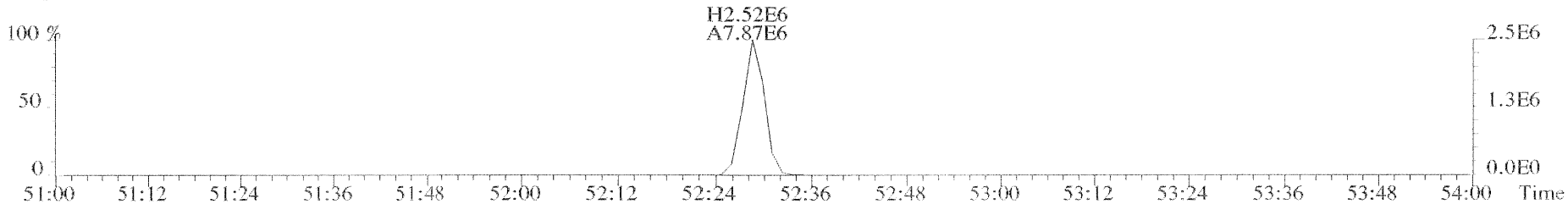
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory



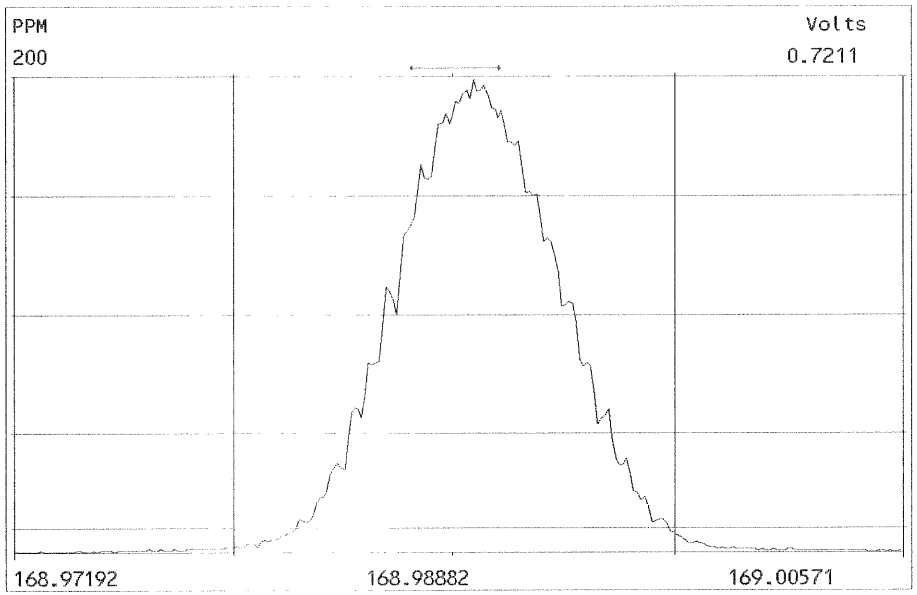
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory

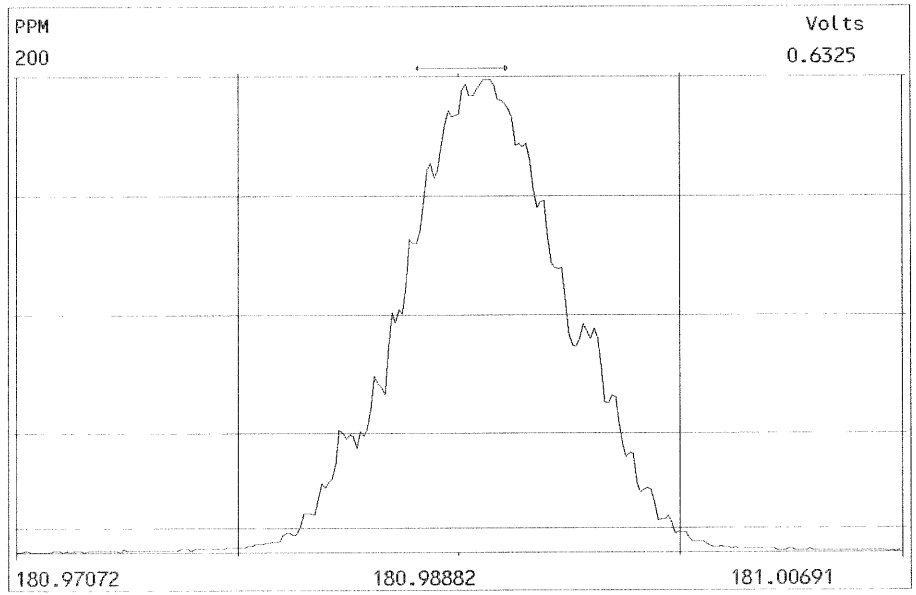


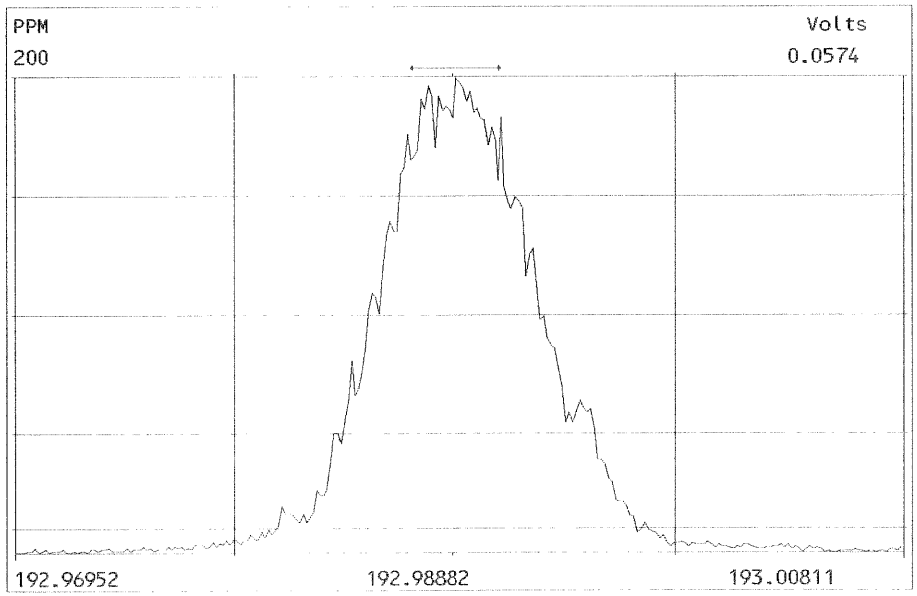
File:26OCT20Z #1-314 Acq:26-OCT-2020 23:37:02 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102620Z2 File Text:Frontier Analytical Laboratory

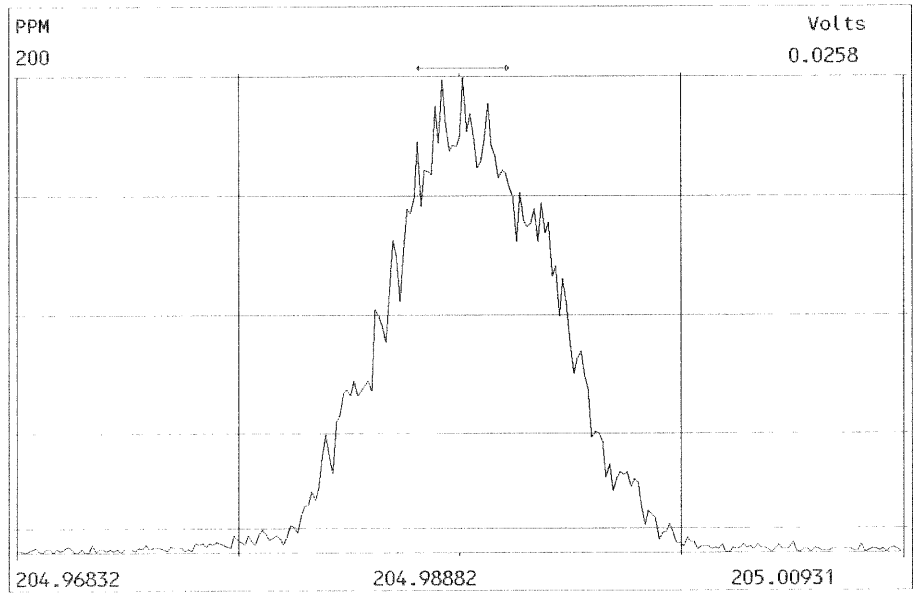


Peak Locate Examination:27-OCT-2020:01:04 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

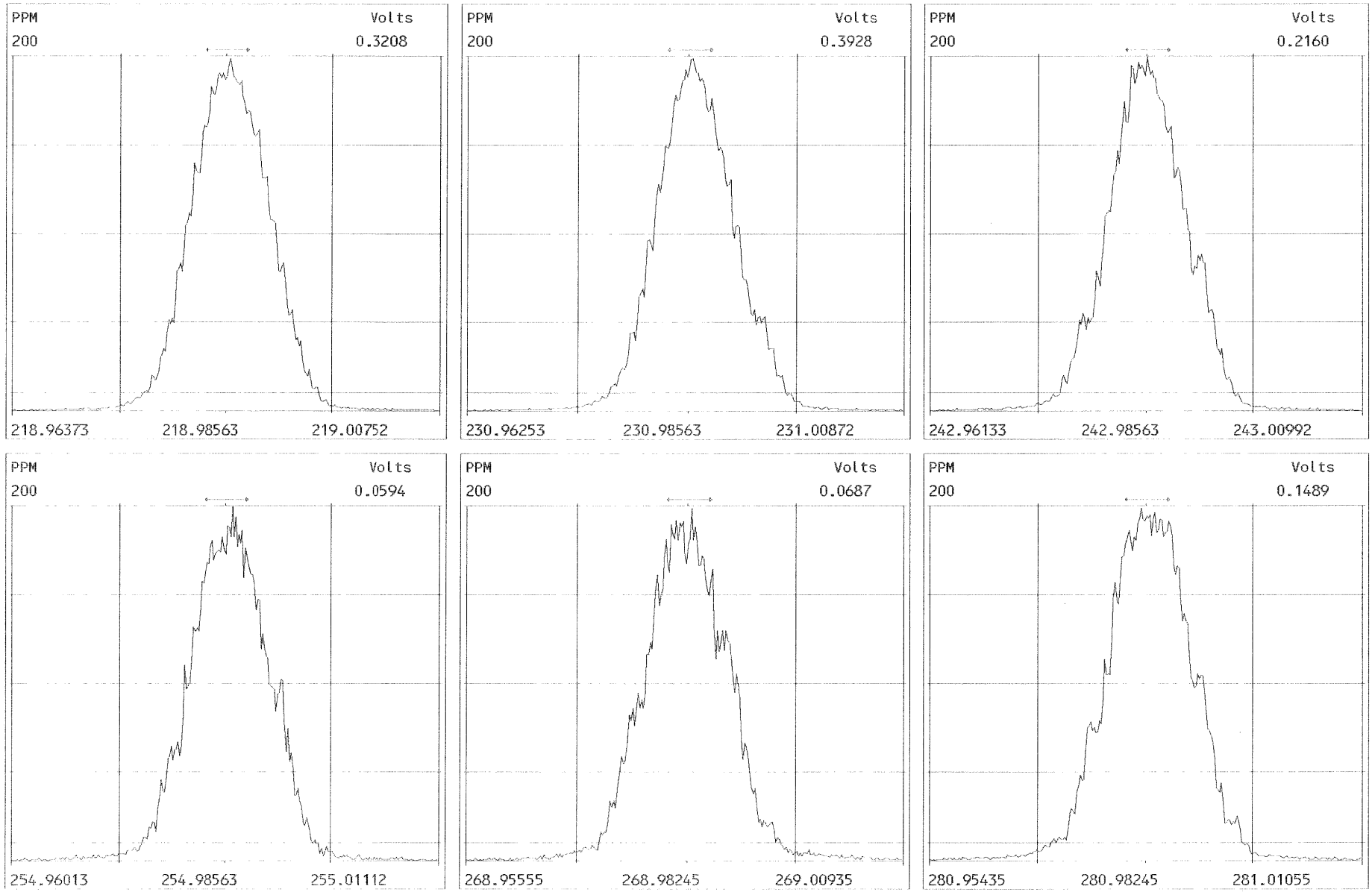




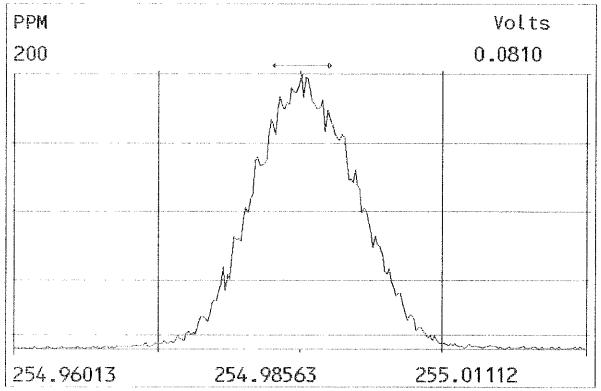


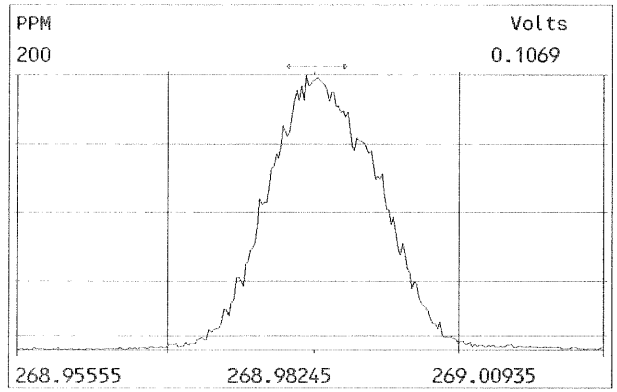


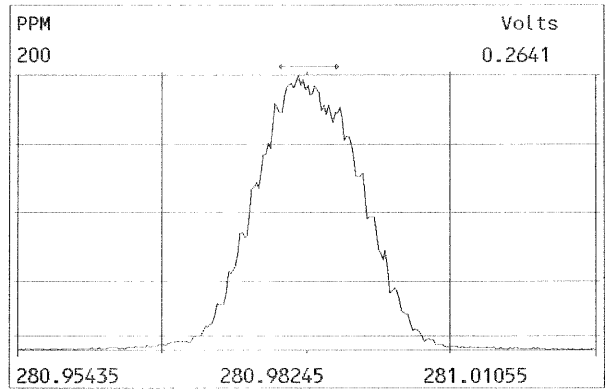
Peak Locate Examination:27-OCT-2020:01:06 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

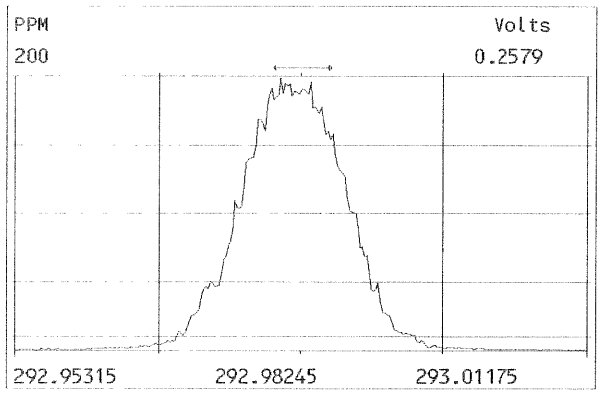


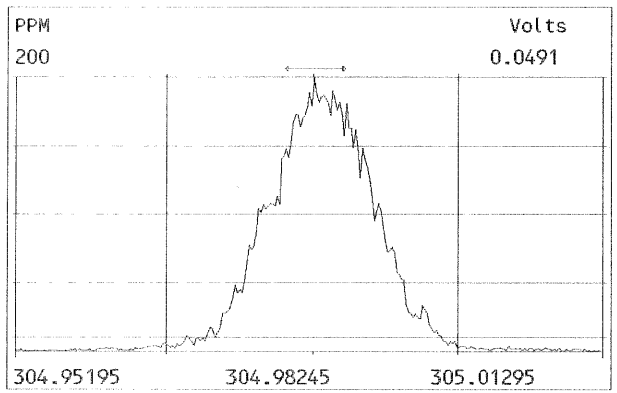
Peak Locate Examination:27-OCT-2020:01:09 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

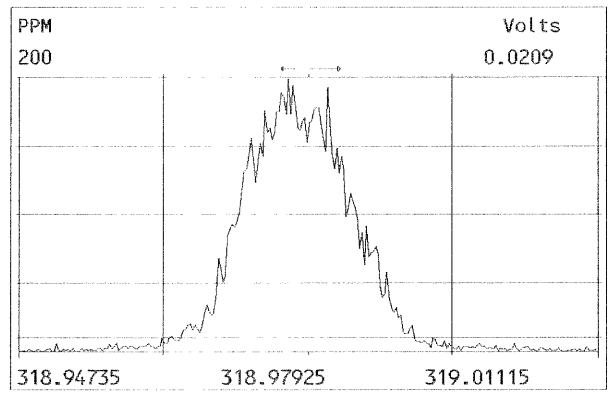


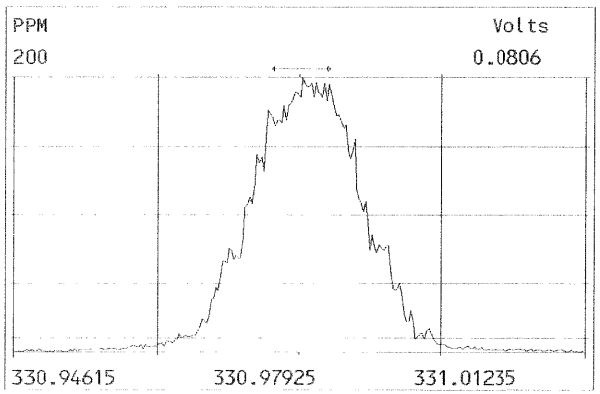


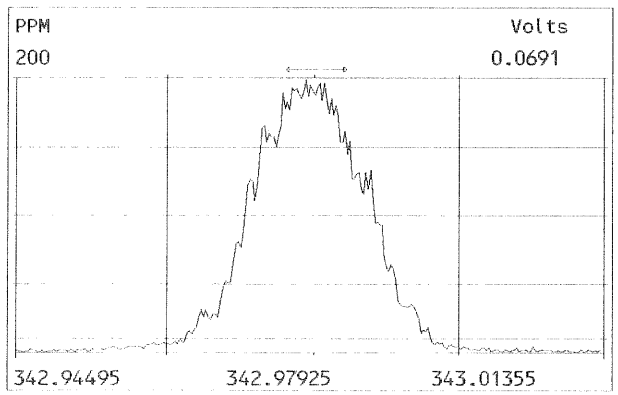




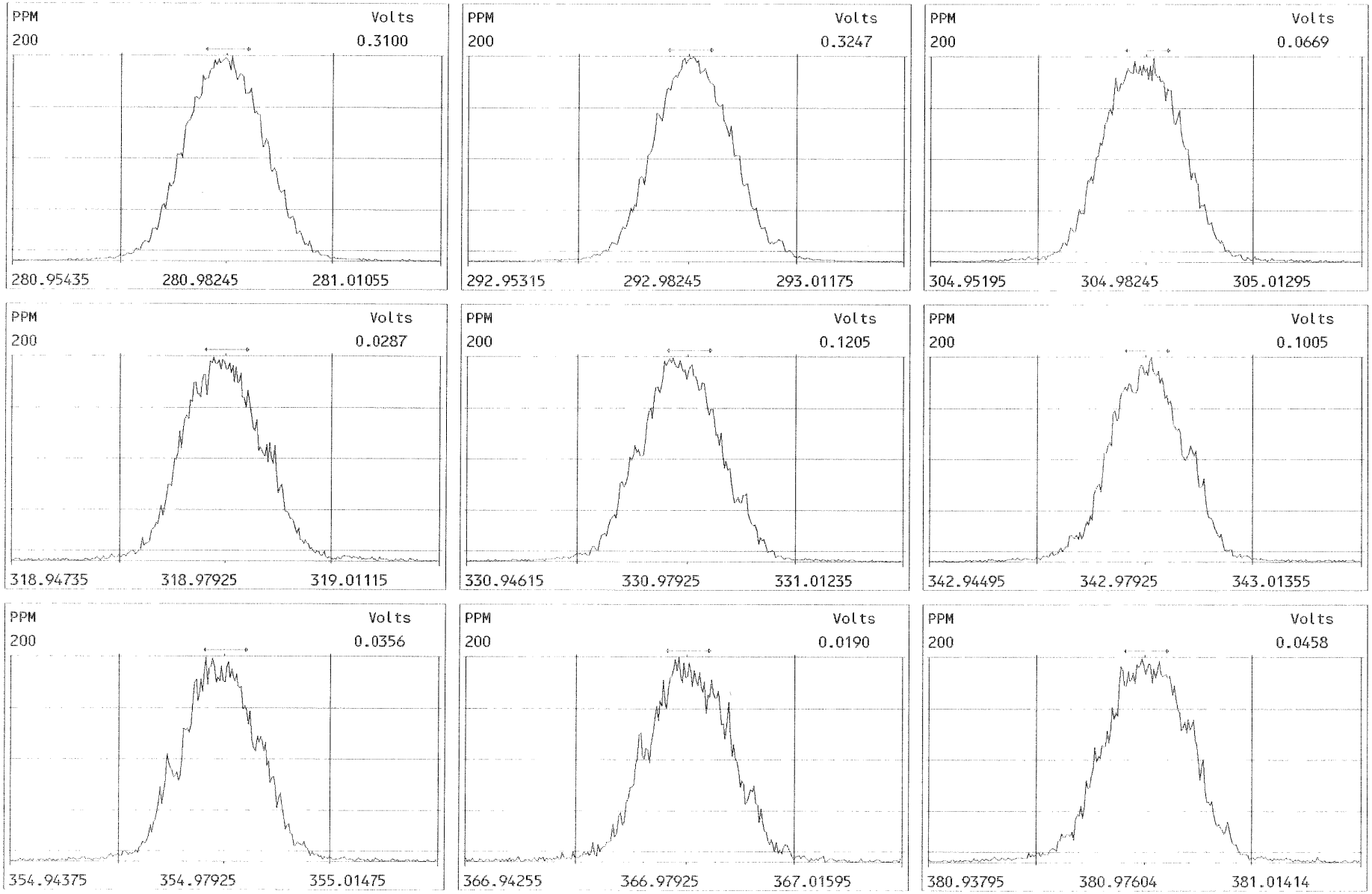




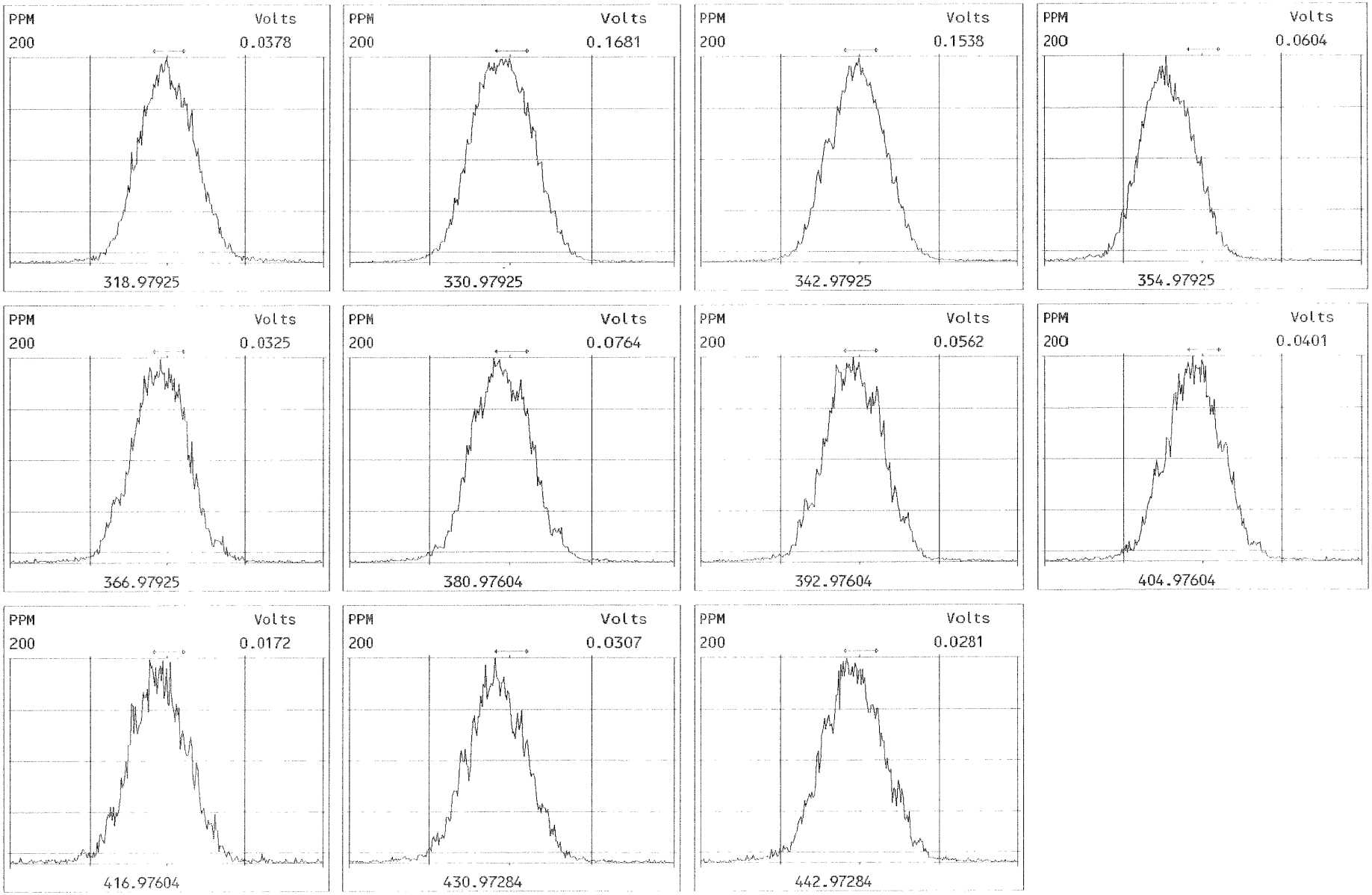




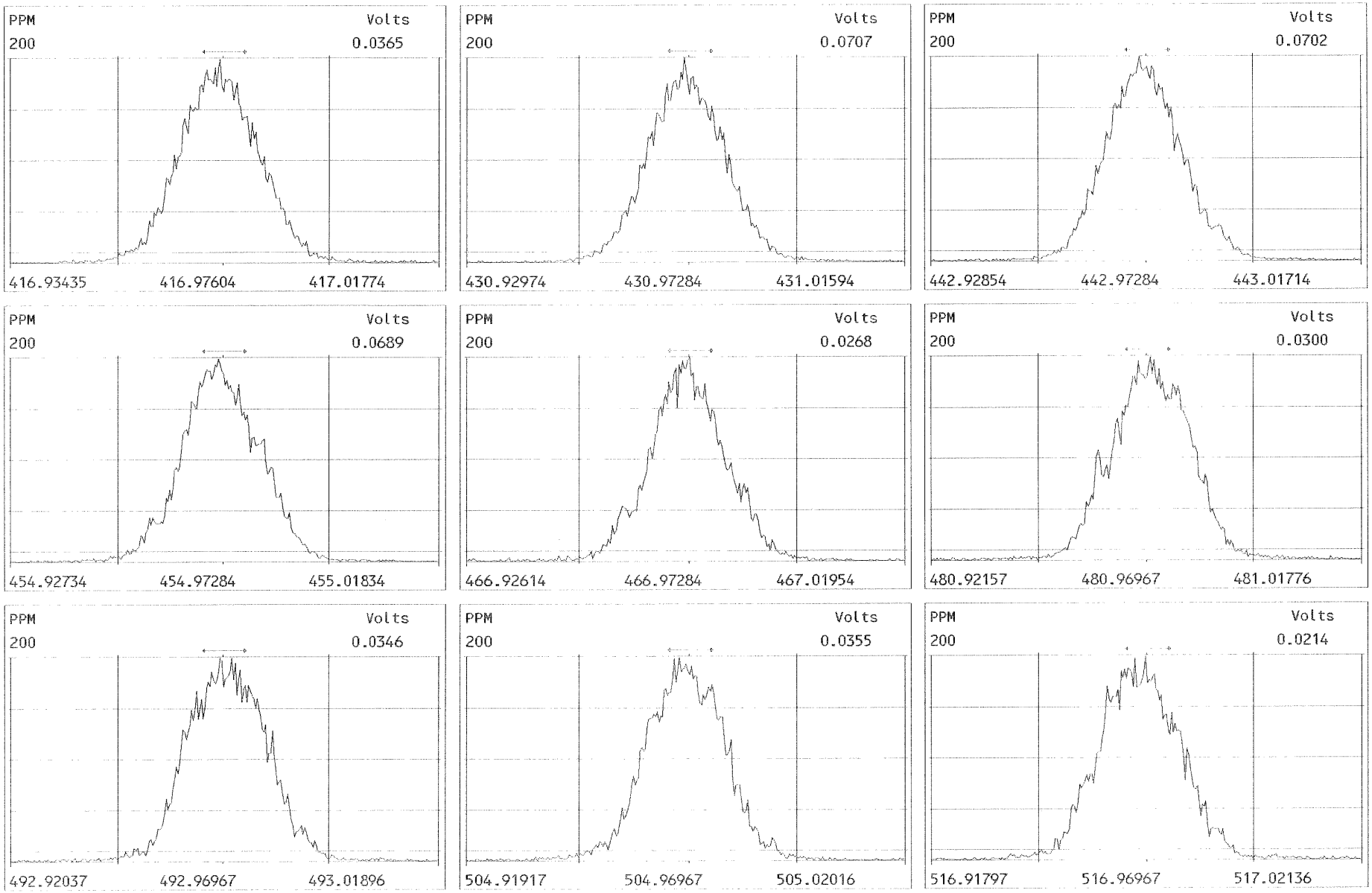
Peak Locate Examination:27-OCT-2020:01:11 File:26OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK



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



Cal: DAILY209FAL4-10-27-20

Run: 27OCT20Z Analyte: Results: 13373-13 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:27OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.3662	-	1.37	
13C-PCB-1	0.7504	-	0.75	
PCB-2	1.3803	-	1.38	
PCB-3	1.3541	-	1.35	
13C-PCB-3	0.7437	-	0.74	
PCB-4	1.1356	-	1.14	
PCB-10	1.4129	-	1.41	
13C-PCB-4	0.6420	-	0.64	
PCB-9	1.4327	-	1.43	
PCB-7	1.3731	-	1.37	
PCB-6	1.3865	-	1.39	
PCB-8	1.3992	-	1.40	
PCB-5	1.4499	-	1.45	
PCB-14	1.4551	-	1.46	
PCB-11	1.3886	-	1.39	
PCB-13	1.4228	-	1.42	
PCB-12	1.4252	-	1.43	
PCB-15	1.2349	-	1.23	
13C-PCB-15	1.0710	-	1.07	
PCB-19	1.3476	-	1.35	
PCB-30	2.0538	-	2.05	
PCB-18	1.4366	-	1.44	
PCB-17	1.5149	-	1.51	
PCB-27	1.9948	-	1.99	
PCB-24	1.9599	-	1.96	
PCB-16	1.6031	-	1.60	
PCB-32	1.7775	-	1.78	
13C-PCB-19	0.3878	-	0.39	
13C-PCB-9	-	-	-	
PCB-34	1.1406	-	1.14	
PCB-23	1.2942	-	1.29	
PCB-29	1.2819	-	1.28	
PCB-26	1.2640	-	1.26	
PCB-25	1.1866	-	1.19	
PCB-31	1.3340	-	1.33	
PCB-28	1.3622	-	1.36	
PCB-20	1.2016	-	1.20	Co-elute PCB 21/33
PCB-21	1.2016	-	1.20	Co-elute PCB 20/33
PCB-33	1.2016	-	1.20	Co-elute PCB 20/21
PCB-22	1.2865	-	1.29	
PCB-36	1.2660	-	1.27	
PCB-39	1.2837	-	1.28	
PCB-38	1.3439	-	1.34	
PCB-35	1.2348	-	1.23	
PCB-37	1.2548	-	1.25	
13C-PCB-37	1.9298	-	1.93	

PCB-54	1.3304	-	1.33	
PCB-50	1.1034	-	1.10	
PCB-53	1.0764	-	1.08	
PCB-51	1.1055	-	1.11	
PCB-45	0.9610	-	0.96	
PCB-46	0.9165	-	0.92	
PCB-52	1.1137	-	1.11	Co-elute PCB 69
PCB-69	1.1137	-	1.11	Co-elute PCB 52
PCB-73	1.4500	-	1.45	
PCB-43	1.0476	-	1.05	Co-elute PCB 49
PCB-49	1.0476	-	1.05	Co-elute PCB 43
PCB-47	1.0851	-	1.09	
PCB-48	1.3090	-	1.31	Co-elute PCB 75
PCB-75	1.3090	-	1.31	Co-elute PCB 48
PCB-65	1.3469	-	1.35	
PCB-62	1.3472	-	1.35	
PCB-44	0.9145	-	0.91	
PCB-42	1.1290	-	1.13	Co-elute PCB 59
PCB-59	1.1290	-	1.13	Co-elute PCB 42
PCB-72	1.2668	-	1.27	Co-elute PCB 41/71/64
PCB-41	1.2668	-	1.27	Co-elute PCB 72/71/64
PCB-71	1.2668	-	1.27	Co-elute PCB 72/41/64
PCB-64	1.2668	-	1.27	Co-elute PCB 72/41/71
PCB-68	1.4754	-	1.48	
PCB-40	0.8159	-	0.82	
PCB-57	1.4016	-	1.40	
PCB-67	1.4447	-	1.44	
PCB-58	1.3546	-	1.35	
PCB-63	1.4130	-	1.41	
PCB-74	1.4362	-	1.44	
PCB-61	1.2948	-	1.29	Co-elute PCB 70
PCB-70	1.2948	-	1.29	Co-elute PCB 61
PCB-76	1.4527	-	1.45	Co-elute PCB 66
PCB-66	1.4527	-	1.45	Co-elute PCB 76
PCB-80	1.6263	-	1.63	
PCB-55	1.4372	-	1.44	
13C-PCB-54	1.1209	-	1.12	
PCB-104	1.2344	-	1.23	
PCB-96	1.2070	-	1.21	
PCB-103	1.0326	-	1.03	
PCB-100	1.0385	-	1.04	
PCB-94	0.8672	-	0.87	
PCB-98	0.8575	-	0.86	Co-elute PCB 102
PCB-102	0.8575	-	0.86	Co-elute PCB 98
PCB-95	1.0107	-	1.01	
PCB-93	0.8578	-	0.86	
PCB-88	0.9648	-	0.96	Co-elute PCB 91
PCB-91	0.9648	-	0.96	Co-elute PCB 88
PCB-121	1.1538	-	1.15	
13C-PCB-104	0.7043	-	0.70	
13C-PCB-28	2.2384	-	2.24	
13C-PCB-52	-	-	-	

PCB-56	1.2373	-	1.24	Co-elute PCB 60
PCB-60	1.2373	-	1.24	Co-elute PCB 56
PCB-79	1.3075	-	1.31	
PCB-78	1.3124	-	1.31	
PCB-81	1.3722	-	1.37	
13C-PCB-81	1.8655	-	1.87	
PCB-77	1.2499	-	1.25	
13C-PCB-77	1.8967	-	1.90	
PCB-155	1.1444	-	1.14	
PCB-150	1.1464	-	1.15	
PCB-152	1.1167	-	1.12	
PCB-145	1.0975	-	1.10	
PCB-136	1.0518	-	1.05	
PCB-148	0.9189	-	0.92	
PCB-154	1.0150	-	1.01	
13C-PCB-155	0.9426	-	0.94	
13C-PCB-111	1.2655	-	1.27	
13C-PCB-101	-	-	-	
PCB-84	0.6074	-	0.61	Co-elute PCB 92
PCB-92	0.6074	-	0.61	Co-elute PCB 84
PCB-89	0.5929	-	0.59	
PCB-90	0.6922	-	0.69	Co-elute PCB 101
PCB-101	0.6922	-	0.69	Co-elute PCB 90
PCB-113	0.8182	-	0.82	
PCB-99	0.7392	-	0.74	
PCB-119	0.9124	-	0.91	
PCB-83	0.7192	-	0.72	Co-elute PCB 112
PCB-112	0.7192	-	0.72	Co-elute PCB 83
PCB-109	0.8448	-	0.84	
PCB-97	0.5999	-	0.60	
PCB-86	0.5668	-	0.57	
PCB-125	0.8149	-	0.81	Co-elute PCB 87/117
PCB-87	0.8149	-	0.81	Co-elute PCB 125/117
PCB-117	0.8149	-	0.81	Co-elute PCB 125/87
PCB-111	0.8868	-	0.89	Co-elute PCB 115
PCB-115	0.8868	-	0.89	Co-elute PCB 111
PCB-85	0.7703	-	0.77	Co-elute PCB 116
PCB-116	0.7703	-	0.77	Co-elute PCB 85
PCB-120	0.9393	-	0.94	
PCB-110	0.8923	-	0.89	
PCB-82	0.5602	-	0.56	
PCB-124	1.2503	-	1.25	
PCB-108	1.1828	-	1.18	Co-elute PCB 107
PCB-107	1.1828	-	1.18	Co-elute PCB 108
PCB-123	1.0760	-	1.08	
13C-PCB-123	1.5364	-	1.54	
PCB-118	1.1659	-	1.17	Co-elute PCB 106
PCB-106	1.1659	-	1.17	Co-elute PCB 118
13C-PCB-118	1.6009	-	1.60	
PCB-114	1.1867	-	1.19	
13C-PCB-114	1.5737	-	1.57	
PCB-122	1.2255	-	1.23	
PCB-105	1.2445	-	1.24	
13C-PCB-105	1.5152	-	1.52	
PCB-127	1.1614	-	1.16	
PCB-126	1.1833	-	1.18	
13C-PCB-126	1.5664	-	1.57	

PCB-151	0.9764	-	0.98	
PCB-135	0.9111	*	0.91	
PCB-144	1.1173	-	1.12	
PCB-147	1.0126	-	1.01	
PCB-139	1.0453	*	1.05	Co-elute PCB 149
PCB-149	1.0453	*	1.05	Co-elute PCB 139
PCB-140	1.0405	-	1.04	
PCB-143	0.8855	*	0.89	Co-elute PCB 134
PCB-134	0.8855	*	0.89	Co-elute PCB 143
PCB-131	0.8912	-	0.89	Co-elute PCB 133
PCB-133	0.8912	-	0.89	Co-elute PCB 131
PCB-142	0.8705	-	0.87	
PCB-165	1.1580	*	1.16	Co-elute PCB 146
PCB-146	1.1580	*	1.16	Co-elute PCB 165
PCB-161	1.0606	*	1.06	Co-elute PCB 132
PCB-132	1.0606	*	1.06	Co-elute PCB 161
PCB-153	1.2287	*	1.23	
PCB-168	1.2572	*	1.26	
PCB-141	0.9984	*	1.00	
PCB-137	0.9776	-	0.98	
PCB-130	0.9450	-	0.94	
PCB-138	1.1557	*	1.16	Co-elute PCB 163/164
PCB-163	1.1557	*	1.16	Co-elute PCB 138/164
PCB-164	1.1557	*	1.16	Co-elute PCB 138/163
PCB-158	1.3168	*	1.32	Co-elute PCB 160
PCB-160	1.3168	*	1.32	Co-elute PCB 158
PCB-129	0.8513	*	0.85	
PCB-166	1.3044	-	1.30	
PCB-159	1.3308	*	1.33	
PCB-128	1.0945	*	1.09	Co-elute PCB 162
PCB-162	1.0945	*	1.09	Co-elute PCB 128
PCB-167	1.2360	*	1.24	
13C-PCB-167	1.1396	-	1.14	
PCB-156	1.3009	-	1.30	
13C-PCB-156	1.1078	-	1.11	
PCB-157	1.2468	-	1.25	
13C-PCB-157	1.1095	-	1.11	
PCB-169	1.2276	-	1.23	
13C-PCB-169	1.0892	-	1.09	
PCB-188	1.2322	-	1.23	
13C-PCB-188	0.8006	-	0.80	

PCB-184	1.3810	-	1.38	
PCB-179	1.2978	-	1.30	
PCB-176	1.2963	-	1.30	
PCB-186	1.2839	-	1.28	
PCB-178	0.9396	-	0.94	
PCB-175	0.9899	-	0.99	
PCB-187	1.0703	-	1.07	Co-elute PCB 182
PCB-182	1.0703	-	1.07	Co-elute PCB 187
PCB-183	1.0396	-	1.04	
PCB-185	0.9581	-	0.96	
PCB-174	1.0123	-	1.01	
PCB-181	0.9521	-	0.95	
PCB-177	0.8926	-	0.89	
PCB-171	0.9450	-	0.95	
PCB-173	0.8607	-	0.86	
PCB-172	0.8892	-	0.89	
PCB-192	1.1804	-	1.18	
PCB-180	0.9432	-	0.94	
PCB-193	1.2517	-	1.25	
PCB-191	1.2320	-	1.23	
PCB-170	0.8893	-	0.89	
PCB-190	1.1881	-	1.19	
PCB-189	1.2100	-	1.21	
13C-PCB-189	0.7301	-	0.73	
PCB-202	1.0959	-	1.10	
PCB-201	1.2539	-	1.25	
PCB-204	1.1917	-	1.19	
PCB-197	1.2020	-	1.20	
PCB-200	1.2083	-	1.21	
PCB-198	0.8109	-	0.81	
PCB-199	0.9294	-	0.93	
PCB-203	0.9274	-	0.93	Co-elute PCB 196
PCB-196	0.9274	-	0.93	Co-elute PCB 203
13C-PCB-202	0.5495	-	0.55	
13C-PCB-178	0.6245	-	0.62	
13C-PCB-138	-	-	-	
PCB-195	0.9117	-	0.91	
PCB-194	0.9681	-	0.97	
PCB-205	1.1728	-	1.17	
13C-PCB-205	1.2035	-	1.20	
PCB-208	1.1329	-	1.13	
13C-PCB-208	0.9798	-	0.98	
PCB-207	1.3287	-	1.33	
PCB-206	1.1945	-	1.19	
13C-PCB-206	0.6965	-	0.70	
PCB-209	1.2303	-	1.23	
13C-PCB-209	0.6971	-	0.70	
13C-PCB-194	-	-	-	

Analyst: _____ Date: 10/30/20

Run #1 Filename 27OCT20Z S: 1 Acquired: 27-OCT-20 06:40:09 Cal: DAILY209FAL4-10-27-20
Client ID: ST102720Z1 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.99e+07	3.20 y	14:33	-	1.37	
2	IS/RT	13C-PCB-1	100.00	4.38e+07	3.29 y	14:32	-	0.750	
3	Unk	PCB-2	50.00	3.01e+07	3.21 y	16:46	-	1.38	
4	Unk	PCB-3	50.00	2.94e+07	3.16 y	16:59	-	1.35	
5	IS/RT	13C-PCB-3	100.00	4.34e+07	3.29 y	16:58	-	0.744	
6	Unk	PCB-4	50.00	2.13e+07	1.43 y	18:14	-	1.14	
7	Unk	PCB-10	50.00	3.53e+07	1.54 y	18:17	-	1.41	
8	IS/RT	13C-PCB-4	100.00	3.74e+07	1.57 y	18:12	-	0.642	
9	Unk	PCB-9	50.00	3.58e+07	1.53 y	19:55	-	1.43	
10	Unk	PCB-7	50.00	3.43e+07	1.52 y	19:56	-	1.37	
11	Unk	PCB-6	50.00	3.46e+07	1.51 y	20:32	-	1.39	
12	Unk	PCB-8	50.00	3.50e+07	1.49 y	20:54	-	1.40	
13	Unk	PCB-5	50.00	3.62e+07	1.57 y	20:57	-	1.45	
14	Unk	PCB-14	50.00	3.63e+07	1.55 y	21:57	-	1.46	
15	Unk	PCB-11	50.00	3.47e+07	1.56 y	23:05	-	1.39	
16	Unk	PCB-13	50.00	3.55e+07	1.52 y	23:25	-	1.42	
17	Unk	PCB-12	50.00	3.56e+07	1.58 y	23:29	-	1.43	
18	Unk	PCB-15	50.00	3.86e+07	1.54 y	23:45	-	1.23	
19	IS/RT	13C-PCB-15	100.00	6.25e+07	1.63 y	23:44	-	1.07	
20	Unk	PCB-19	50.00	1.52e+07	1.07 y	22:07	-	1.35	
21	Unk	PCB-30	50.00	2.32e+07	1.08 y	22:58	-	2.05	
22	Unk	PCB-18	50.00	1.63e+07	1.09 y	23:40	-	1.44	
23	Unk	PCB-17	50.00	1.71e+07	1.06 y	23:50	-	1.51	
24	Unk	PCB-27	50.00	2.26e+07	1.10 y	24:22	-	1.99	
25	Unk	PCB-24	50.00	2.22e+07	1.06 y	24:23	-	1.96	
26	Unk	PCB-16	50.00	1.81e+07	1.07 y	24:51	-	1.60	
27	Unk	PCB-32	50.00	2.01e+07	1.11 y	24:52	-	1.78	
28	IS/RT	13C-PCB-19	100.00	2.26e+07	1.10 y	22:06	-	0.388	
29	RS	13C-PCB-9	100.00	5.83e+07	1.61 y	19:53	5.83e+05	-	
30	Unk	PCB-34	50.00	3.00e+07	1.03 y	25:36	-	1.14	
31	Unk	PCB-23	50.00	3.41e+07	1.04 y	25:43	-	1.29	
32	Unk	PCB-29	50.00	3.37e+07	1.04 y	25:57	-	1.28	
33	Unk	PCB-26	50.00	3.33e+07	1.05 y	26:08	-	1.26	
34	Unk	PCB-25	50.00	3.12e+07	1.05 y	26:17	-	1.19	
35	Unk	PCB-31	50.00	3.51e+07	1.05 y	26:37	-	1.33	
36	Unk	PCB-28	50.00	3.59e+07	1.05 y	26:43	-	1.36	
37	Unk	PCB-20	150.00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 21/33
38	Unk	PCB-21	150:00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.49e+07	1.05 y	27:18	-	1.20	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.39e+07	1.05 y	27:44	-	1.29	
41	Unk	PCB-36	50.00	3.33e+07	1.06 y	28:18	-	1.27	
42	Unk	PCB-39	50.00	3.38e+07	1.04 y	28:45	-	1.28	
43	Unk	PCB-38	50.00	3.54e+07	1.07 y	29:29	-	1.34	
44	Unk	PCB-35	50.00	3.25e+07	1.06 y	29:59	-	1.23	
45	Unk	PCB-37	50.00	3.30e+07	1.05 y	30:23	-	1.25	
46	IS	13C-PCB-37	100.00	5.26e+07	1.08 y	30:22	-	1.93	

47	Unk	PCB-54	100.00	4.07e+07	0.82 y	25:39	-	1.33	
48	Unk	PCB-50	100.00	3.37e+07	0.79 y	26:46	-	1.10	
49	Unk	PCB-53	100.00	3.29e+07	0.79 y	27:21	-	1.08	
50	Unk	PCB-51	100.00	3.38e+07	0.79 y	27:42	-	1.11	
51	Unk	PCB-45	100.00	2.94e+07	0.79 y	28:06	-	0.961	
52	Unk	PCB-46	100.00	2.80e+07	0.79 y	28:33	-	0.916	
53	Unk	PCB-52	200.00	6.81e+07	0.79 y	29:01	-	1.11	Co-elute PCB 69
54	Unk	PCB-69	200.00	6.81e+07	0.79 y	29:01	-	1.11	Co-elute PCB 52
55	Unk	PCB-73	100.00	4.43e+07	0.80 y	29:06	-	1.45	
56	Unk	PCB-43	200.00	6.41e+07	0.80 y	29:16	-	1.05	Co-elute PCB 49
57	Unk	PCB-49	200.00	6.41e+07	0.80 y	29:16	-	1.05	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.32e+07	0.78 y	29:29	-	1.09	
59	Unk	PCB-48	200.00	8.01e+07	0.80 y	29:35	-	1.31	Co-elute PCB 75
60	Unk	PCB-75	200.00	8.01e+07	0.80 y	29:35	-	1.31	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.12e+07	0.88 y	29:51	-	1.35	
62	Unk	PCB-62	100.00	4.12e+07	0.71 y	29:57	-	1.35	
63	Unk	PCB-44	100.00	2.80e+07	0.79 y	30:13	-	0.915	
64	Unk	PCB-42	200.00	6.90e+07	0.79 y	30:26	-	1.13	Co-elute PCB 59
65	Unk	PCB-59	200.00	6.90e+07	0.79 y	30:26	-	1.13	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.55e+08	0.80 y	31:00	-	1.27	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	4.51e+07	0.80 y	31:14	-	1.48	
71	Unk	PCB-40	100.00	2.49e+07	0.80 y	31:27	-	0.816	
72	Unk	PCB-57	100.00	4.29e+07	0.80 y	31:47	-	1.40	
73	Unk	PCB-67	100.00	4.42e+07	0.79 y	32:05	-	1.44	
74	Unk	PCB-58	100.00	4.14e+07	0.81 y	32:11	-	1.35	
75	Unk	PCB-63	100.00	4.32e+07	0.79 y	32:21	-	1.41	
76	Unk	PCB-74	100.00	4.39e+07	0.79 y	32:36	-	1.44	
77	Unk	PCB-61	200.00	7.92e+07	0.80 y	32:49	-	1.29	Co-elute PCB 70
78	Unk	PCB-70	200.00	7.92e+07	0.80 y	32:49	-	1.29	Co-elute PCB 61
79	Unk	PCB-76	200.00	8.88e+07	0.80 y	33:00	-	1.45	Co-elute PCB 66
80	Unk	PCB-66	200.00	8.88e+07	0.80 y	33:00	-	1.45	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.97e+07	0.80 y	33:13	-	1.63	
82	Unk	PCB-55	100.00	4.39e+07	0.80 y	33:31	-	1.44	
83	IS/RT	13C-PCB-54	100.00	3.06e+07	0.81 y	25:38	-	1.12	
84	Unk	PCB-104	100.00	2.37e+07	1.58 y	30:06	-	1.23	
85	Unk	PCB-96	100.00	2.32e+07	1.61 y	31:18	-	1.21	
86	Unk	PCB-103	100.00	1.98e+07	1.61 y	31:48	-	1.03	
87	Unk	PCB-100	100.00	2.00e+07	1.58 y	32:08	-	1.04	
88	Unk	PCB-94	100.00	1.67e+07	1.60 y	32:35	-	0.867	
89	Unk	PCB-98	200.00	3.29e+07	1.59 y	33:01	-	0.858	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.29e+07	1.59 y	33:01	-	0.858	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.94e+07	1.59 y	33:05	-	1.01	
92	Unk	PCB-93	100.00	1.65e+07	1.62 y	33:10	-	0.858	
93	Unk	PCB-88	200.00	3.71e+07	1.58 y	33:28	-	0.965	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.71e+07	1.58 y	33:28	-	0.965	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.22e+07	1.64 y	33:32	-	1.15	
96	IS	13C-PCB-104	100.00	1.92e+07	1.59 y	30:04	-	0.704	
97	C/Up	13C-PCB-28	100.00	6.11e+07	1.08 y	26:42	-	2.24	
98	RS	13C-PCB-52	100.00	2.73e+07	0.80 y	28:59	2.73e+05	-	
99	Unk	PCB-56	200.00	1.06e+08	0.79 y	33:59	-	1.24	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.06e+08	0.79 y	33:59	-	1.24	Co-elute PCB 56

101	Unk	PCB-79	100.00	5.63e+07	0.80 y	35:00	-	1.31	
102	Unk	PCB-78	100.00	5.65e+07	0.80 y	35:39	-	1.31	
103	Unk	PCB-81	100.00	5.86e+07	0.80 y	36:10	-	1.37	
104	IS	13C-PCB-81	100.00	4.27e+07	0.79 y	36:08	-	1.87	
105	Unk	PCB-77	100.00	5.42e+07	0.82 y	36:44	-	1.25	
106	IS/RT	13C-PCB-77	100.00	4.34e+07	0.80 y	36:42	-	1.90	
107	Unk	PCB-155	100.00	2.47e+07	1.25 y	34:15	-	1.14	
108	Unk	PCB-150	100.00	2.47e+07	1.27 y	35:27	-	1.15	
109	Unk	PCB-152	100.00	2.41e+07	1.27 y	35:54	-	1.12	
110	Unk	PCB-145	100.00	2.37e+07	1.26 y	36:20	-	1.10	
111	Unk	PCB-136	100.00	2.27e+07	1.30 y	36:37	-	1.05	
112	Unk	PCB-148	100.00	1.98e+07	1.25 y	36:42	-	0.919	
113	Unk	PCB-154	100.00	2.19e+07	1.25 y	37:10	-	1.01	
114	IS	13C-PCB-155	100.00	2.16e+07	1.30 y	34:13	-	0.943	
115	C/Up	13C-PCB-111	100.00	2.90e+07	1.62 y	36:18	-	1.27	
116	RS	13C-PCB-101	100.00	2.29e+07	1.60 y	34:40	2.29e+05	-	
117	Unk	PCB-84	200.00	4.92e+07	1.60 y	34:20	-	0.607	Co-elute PCB 92
118	Unk	PCB-92	200.00	4.92e+07	1.60 y	34:20	-	0.607	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.40e+07	1.57 y	34:31	-	0.593	
120	Unk	PCB-90	200.00	5.61e+07	1.60 y	34:41	-	0.692	Co-elute PCB 101
121	Unk	PCB-101	200.00	5.61e+07	1.60 y	34:41	-	0.692	Co-elute PCB 90
122	Unk	PCB-113	100.00	3.32e+07	1.57 y	34:54	-	0.818	
123	Unk	PCB-99	100.00	3.00e+07	1.59 y	35:00	-	0.739	
124	Unk	PCB-119	100.00	3.70e+07	1.59 y	35:27	-	0.912	
125	Unk	PCB-83	200.00	5.83e+07	1.59 y	35:35	-	0.719	Co-elute PCB 112
126	Unk	PCB-112	200.00	5.83e+07	1.59 y	35:35	-	0.719	Co-elute PCB 83
127	Unk	PCB-109	100.00	3.42e+07	1.59 y	35:44	-	0.845	
128	Unk	PCB-97	100.00	2.43e+07	1.60 y	35:56	-	0.600	
129	Unk	PCB-86	100.00	2.30e+07	1.56 y	36:05	-	0.567	
130	Unk	PCB-125	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	9.91e+07	1.60 y	36:12	-	0.815	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	7.19e+07	1.59 y	36:20	-	0.887	Co-elute PCB 115
134	Unk	PCB-115	200.00	7.19e+07	1.59 y	36:20	-	0.887	Co-elute PCB 111
135	Unk	PCB-85	200.00	6.24e+07	1.62 y	36:27	-	0.770	Co-elute PCB 116
136	Unk	PCB-116	200.00	6.24e+07	1.62 y	36:27	-	0.770	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.81e+07	1.57 y	36:40	-	0.939	
138	Unk	PCB-110	100.00	3.62e+07	1.61 y	36:49	-	0.892	
139	Unk	PCB-82	100.00	2.27e+07	1.57 y	37:24	-	0.560	
140	Unk	PCB-124	100.00	5.07e+07	1.70 y	38:03	-	1.25	
141	Unk	PCB-108	200.00	9.59e+07	1.46 y	38:11	-	1.18	Co-elute PCB 107
142	Unk	PCB-107	200.00	9.59e+07	1.46 y	38:11	-	1.18	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.30e+07	1.56 y	38:21	-	1.08	
144	IS	13C-PCB-123	100.00	4.00e+07	1.61 y	38:21	-	1.54	
145	Unk	PCB-118	200.00	9.72e+07	1.56 y	38:34	-	1.17	Co-elute PCB 106
146	Unk	PCB-106	200.00	9.72e+07	1.56 y	38:34	-	1.17	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.17e+07	1.61 y	38:31	-	1.60	
148	Unk	PCB-114	100.00	4.86e+07	1.55 y	39:09	-	1.19	
149	IS	13C-PCB-114	100.00	4.10e+07	1.61 y	39:07	-	1.57	
150	Unk	PCB-122	100.00	4.97e+07	1.54 y	39:17	-	1.23	
151	Unk	PCB-105	100.00	4.91e+07	1.54 y	39:58	-	1.24	
152	IS	13C-PCB-105	100.00	3.95e+07	1.61 y	39:56	-	1.52	
153	Unk	PCB-127	100.00	4.71e+07	1.55 y	40:16	-	1.16	
154	Unk	PCB-126	100.00	4.83e+07	1.56 y	42:05	-	1.18	
155	IS	13C-PCB-126	100.00	4.08e+07	1.60 y	42:03	-	1.57	

156	Unk	PCB-151	100.00	2.83e+07	1.28 y	37:48	-	0.976	
157	Unk	PCB-135	100.00	2.64e+07	1.25 y	38:01	-	0.911	
158	Unk	PCB-144	100.00	3.23e+07	1.29 y	38:06	-	1.12	
159	Unk	PCB-147	100.00	2.93e+07	1.30 y	38:14	-	1.01	
160	Unk	PCB-139	200.00	6.05e+07	1.27 y	38:29	-	1.05	Co-elute PCB 149
161	Unk	PCB-149	200.00	6.05e+07	1.27 y	38:29	-	1.05	Co-elute PCB 139
162	Unk	PCB-140	100.00	3.01e+07	1.29 y	38:39	-	1.04	
163	Unk	PCB-143	200.00	5.13e+07	1.28 y	39:04	-	0.886	Co-elute PCB 134
164	Unk	PCB-134	200.00	5.13e+07	1.28 y	39:04	-	0.886	Co-elute PCB 143
165	Unk	PCB-131	200.00	5.16e+07	1.27 y	39:20	-	0.891	Co-elute PCB 133
166	Unk	PCB-133	200.00	5.16e+07	1.27 y	39:20	-	0.891	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.52e+07	1.29 y	39:30	-	0.871	
168	Unk	PCB-165	200.00	6.70e+07	1.26 y	39:42	-	1.16	Co-elute PCB 146
169	Unk	PCB-146	200.00	6.70e+07	1.26 y	39:42	-	1.16	Co-elute PCB 165
170	Unk	PCB-161	200.00	6.14e+07	1.26 y	39:55	-	1.06	Co-elute PCB 132
171	Unk	PCB-132	200.00	6.14e+07	1.26 y	39:55	-	1.06	Co-elute PCB 161
172	Unk	PCB-153	100.00	3.56e+07	1.28 y	40:06	-	1.23	
173	Unk	PCB-168	100.00	3.64e+07	1.28 y	40:18	-	1.26	
174	Unk	PCB-141	100.00	2.89e+07	1.29 y	40:47	-	0.998	
175	Unk	PCB-137	100.00	2.83e+07	1.27 y	41:09	-	0.978	
176	Unk	PCB-130	100.00	2.74e+07	1.29 y	41:15	-	0.945	
177	Unk	PCB-138	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.00e+08	1.27 y	41:37	-	1.16	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	7.62e+07	1.27 y	41:50	-	1.32	Co-elute PCB 160
181	Unk	PCB-160	200.00	7.62e+07	1.27 y	41:50	-	1.32	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.46e+07	1.27 y	42:05	-	0.851	
183	Unk	PCB-166	100.00	3.78e+07	1.27 y	42:31	-	1.30	
184	Unk	PCB-159	100.00	3.85e+07	1.29 y	42:48	-	1.33	
185	Unk	PCB-128	200.00	6.34e+07	1.27 y	43:04	-	1.09	Co-elute PCB 162
186	Unk	PCB-162	200.00	6.34e+07	1.27 y	43:04	-	1.09	Co-elute PCB 128
187	Unk	PCB-167	100.00	3.67e+07	1.27 y	43:27	-	1.24	
188	IS	13C-PCB-167	100.00	2.97e+07	1.30 y	43:25	-	1.14	
189	Unk	PCB-156	100.00	3.75e+07	1.28 y	44:41	-	1.30	
190	IS	13C-PCB-156	100.00	2.88e+07	1.31 y	44:40	-	1.11	
191	Unk	PCB-157	100.00	3.60e+07	1.28 y	44:56	-	1.25	
192	IS	13C-PCB-157	100.00	2.89e+07	1.31 y	44:54	-	1.11	
193	Unk	PCB-169	100.00	3.48e+07	1.28 y	46:46	-	1.23	
194	IS	13C-PCB-169	100.00	2.84e+07	1.29 y	46:46	-	1.09	
195	Unk	PCB-188	100.00	2.57e+07	1.06 y	39:45	-	1.23	
196	IS	13C-PCB-188	100.00	2.08e+07	1.08 y	39:43	-	0.801	

197	Unk	PCB-184	100.00	2.75e+07	1.06 y	40:10	-	1.38	
198	Unk	PCB-179	100.00	2.59e+07	1.08 y	40:54	-	1.30	
199	Unk	PCB-176	100.00	2.58e+07	1.09 y	41:20	-	1.30	
200	Unk	PCB-186	100.00	2.56e+07	1.07 y	41:55	-	1.28	
201	Unk	PCB-178	100.00	1.87e+07	1.08 y	42:23	-	0.940	
202	Unk	PCB-175	100.00	1.97e+07	1.08 y	42:43	-	0.990	
203	Unk	PCB-187	200.00	4.27e+07	1.07 y	42:53	-	1.07	Co-elute PCB 182
204	Unk	PCB-182	200.00	4.27e+07	1.07 y	42:53	-	1.07	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.07e+07	1.07 y	43:11	-	1.04	
206	Unk	PCB-185	100.00	1.91e+07	1.06 y	43:47	-	0.958	
207	Unk	PCB-174	100.00	2.02e+07	1.06 y	44:08	-	1.01	
208	Unk	PCB-181	100.00	1.90e+07	1.08 y	44:15	-	0.952	
209	Unk	PCB-177	100.00	1.78e+07	1.09 y	44:23	-	0.893	
210	Unk	PCB-171	100.00	1.88e+07	1.07 y	44:40	-	0.945	
211	Unk	PCB-173	100.00	1.72e+07	1.07 y	45:04	-	0.861	
212	Unk	PCB-172	100.00	1.77e+07	1.06 y	45:27	-	0.889	
213	Unk	PCB-192	100.00	2.35e+07	1.07 y	45:39	-	1.18	
214	Unk	PCB-180	100.00	1.88e+07	1.06 y	45:49	-	0.943	
215	Unk	PCB-193	100.00	2.49e+07	1.06 y	45:59	-	1.25	
216	Unk	PCB-191	100.00	2.46e+07	1.07 y	46:12	-	1.23	
217	Unk	PCB-170	100.00	1.77e+07	1.08 y	47:06	-	0.889	
218	Unk	PCB-190	100.00	2.37e+07	1.05 y	47:16	-	1.19	
219	Unk	PCB-189	100.00	2.30e+07	1.07 y	48:27	-	1.21	
220	IS	13C-PCB-189	100.00	1.90e+07	1.09 y	48:27	-	0.730	
221	Unk	PCB-202	150.00	2.35e+07	0.93 y	44:51	-	1.10	
222	Unk	PCB-201	150.00	2.69e+07	0.92 y	45:17	-	1.25	
223	Unk	PCB-204	150.00	2.56e+07	0.93 y	45:26	-	1.19	
224	Unk	PCB-197	150.00	2.58e+07	0.94 y	45:42	-	1.20	
225	Unk	PCB-200	150.00	2.59e+07	0.92 y	46:27	-	1.21	
226	Unk	PCB-198	150.00	1.74e+07	0.90 y	47:37	-	0.811	
227	Unk	PCB-199	150.00	1.99e+07	0.93 y	47:42	-	0.929	
228	Unk	PCB-203	300.00	3.98e+07	0.91 y	47:57	-	0.927	Co-elute PCB 196
229	Unk	PCB-196	300.00	3.98e+07	0.91 y	47:57	-	0.927	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.43e+07	0.92 y	44:49	-	0.549	
231	C/Up	13C-PCB-178	100.00	1.63e+07	1.09 y	42:21	-	0.625	
232	RS	13C-PCB-138	100.00	2.60e+07	1.30 y	41:34	2.60e+05	-	
233	Unk	PCB-195	150.00	4.31e+07	0.90 y	49:03	-	0.912	
234	Unk	PCB-194	150.00	4.58e+07	0.91 y	49:52	-	0.968	
235	Unk	PCB-205	150.00	5.54e+07	0.91 y	50:06	-	1.17	
236	IS	13C-PCB-205	100.00	3.15e+07	0.90 y	50:06	-	1.20	
237	Unk	PCB-208	150.00	4.36e+07	1.37 y	49:11	-	1.13	
238	IS	13C-PCB-208	100.00	2.57e+07	0.81 y	49:09	-	0.980	
239	Unk	PCB-207	150.00	4.37e+07	1.37 y	49:29	-	1.33	
240	Unk	PCB-206	150.00	3.27e+07	1.36 y	51:18	-	1.19	
241	IS	13C-PCB-206	100.00	1.82e+07	0.81 y	51:18	-	0.697	
242	Unk	PCB-209	150.00	3.37e+07	1.20 y	52:30	-	1.23	
243	IS	13C-PCB-209	100.00	1.83e+07	1.22 y	52:28	-	0.697	
244	RS	13C-PCB-194	100.00	2.62e+07	0.92 y	49:50	2.62e+05	-	

Analyst: _____ Date: 10/30/20

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: 27OCT20Z Sam:1 Analysis Date: 27-OCT-20 06:40:09

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	56.4	37.5 - 62.5
PCB-3	M/M+2	3.16	2.66-3.60	y	55.0	37.5 - 62.5
PCB-4	M/M+2	1.43	1.33-1.79	y	49.8	37.5 - 62.5
PCB-15	M/M+2	1.54	1.33-1.79	y	56.6	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	55.6	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	54.8	37.5 - 62.5
PCB-54	M/M+2	0.82	0.65-0.89	y	112	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	114	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	121	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	1.54	1.32-1.78	y	113	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	105	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	208	150 - 250
PCB-123	M+2/M+4	1.56	1.32-1.78	y	97.0	75.0 - 125
PCB-126	M+2/M+4	1.56	1.32-1.78	y	109	75.0 - 125
PCB-155	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	115	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	115	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	114	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	112	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	160	112.5 - 187.5
PCB-205	M+2/M+4	0.91	0.76-1.02	y	162	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	172	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	1.20	0.99-1.33	y	164	112.5 - 187.5

Analyst: _____ Date: 10/30/20

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: 27OCT20Z Sam:1 Analysis Date: 27-OCT-20 06:40:09

	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	3.29	2.66-3.60	y	83.5	50.0 - 145
13C-PCB-3	M/M+2	3.29	2.66-3.60	y	80.0	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	97.4	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	98.6	50.0 - 145
13C-PCB-19	M/M+2	1.10	0.88-1.20	y	76.8	50.0 - 145
13C-PCB-37	M/M+2	1.08	0.88-1.20	y	118	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	88.8	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	119	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	69.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	118	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	122	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	118	50.0 - 145
13C-PCB-123	M+2/M+4	1.61	1.32-1.78	y	120	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	127	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	85.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.2	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	91.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	92.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	93.1	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	71.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	75.6	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	57.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	91.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	74.3	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	71.2	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	63.2	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.08	0.88-1.20	y	129	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	99.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	80.4	75.0 - 125

Analyst: [illegible] Date: 10/30/20

FAL ID: ST102720Z1 Filename: 27OCT20Z Sam:1 Acquired: 27-OCT-20 06:40:09 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 27OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.99e+07	3.20 y	14:33	1.21	56.4		2.50	-	-	*	-
13C-PCB-1	4.38e+07	3.29 y	14:32	0.90	83.5		2.50				83.5
PCB-3	2.94e+07	3.16 y	16:59	1.23	55.0		2.50	-	-	*	-
13C-PCB-3	4.34e+07	3.29 y	16:58	0.93	80.0		2.50				80.0
PCB-4	2.13e+07	1.43 y	18:14	1.14	49.8		2.50	-	-	*	-
13C-PCB-4	3.74e+07	1.57 y	18:12	0.66	97.4		2.50				97.4
PCB-15	3.86e+07	1.54 y	23:45	1.09	56.6		2.50	-	-	*	-
13C-PCB-15	6.25e+07	1.63 y	23:44	1.09	98.6		2.50				98.6
PCB-19	1.52e+07	1.07 y	22:07	1.21	55.6		2.50	-	-	*	-
13C-PCB-19	2.26e+07	1.10 y	22:06	0.50	76.8		2.50				76.8
13C-PCB-9	5.83e+07	1.61 y	19:53	-	57.2		2.50				
PCB-37	3.30e+07	1.05 y	30:23	1.14	54.8		2.50	-	-	*	-
13C-PCB-37	5.26e+07	1.08 y	30:22	1.64	118		2.50				118
PCB-54	4.07e+07	0.82 y	25:39	1.18	112		2.50	-	-	*	-
13C-PCB-54	3.06e+07	0.81 y	25:38	1.26	88.8		2.50				88.8
PCB-104	2.37e+07	1.58 y	30:06	1.12	111		2.50	-	-	*	-
13C-PCB-104	1.92e+07	1.59 y	30:04	1.02	69.0		2.50				69.0
13C-PCB-28	6.11e+07	1.08 y	26:42	1.73	129		2.50				129
13C-PCB-52	2.73e+07	0.80 y	28:59	-	51.3		2.50				
PCB-81	5.86e+07	0.80 y	36:10	1.13	121		2.50	-	-	*	-
13C-PCB-81	4.27e+07	0.79 y	36:08	1.57	119		2.50				119
PCB-77	5.42e+07	0.82 y	36:44	1.10	114		2.50	-	-	*	-
13C-PCB-77	4.34e+07	0.80 y	36:42	1.61	118		2.50				118
PCB-155	2.47e+07	1.25 y	34:15	1.13	101		2.50	-	-	*	-
13C-PCB-155	2.16e+07	1.30 y	34:13	1.10	85.4		2.50				85.4
13C-PCB-111	2.90e+07	1.62 y	36:18	1.27	99.5		2.50				99.5
13C-PCB-101	2.29e+07	1.60 y	34:40	-	48.0		2.50				
PCB-123	4.30e+07	1.56 y	38:21	1.11	97.0		2.50	-	-	*	-
13C-PCB-123	4.00e+07	1.61 y	38:21	1.28	120		2.50				120
PCB-118	9.72e+07	1.56 y	38:34	1.12	208		2.50	-	-	*	-
13C-PCB-118	4.17e+07	1.61 y	38:31	1.35	118		2.50				118
PCB-114	4.86e+07	1.55 y	39:09	1.13	105		2.50	-	-	*	-
13C-PCB-114	4.10e+07	1.61 y	39:07	1.29	122		2.50				122
PCB-105	4.91e+07	1.54 y	39:58	1.10	113		2.50	-	-	*	-
13C-PCB-105	3.95e+07	1.61 y	39:56	1.28	118		2.50				118
PCB-126	4.83e+07	1.56 y	42:05	1.08	109		2.50	-	-	*	-
13C-PCB-126	4.08e+07	1.60 y	42:03	1.23	127		2.50				127
PCB-167	3.67e+07	1.27 y	43:27	1.11	112		2.50	-	-	*	-
13C-PCB-167	2.97e+07	1.30 y	43:25	1.23	92.8		2.50				92.8
PCB-156	3.75e+07	1.28 y	44:41	1.13	115		2.50	-	-	*	-
13C-PCB-156	2.88e+07	1.31 y	44:40	1.19	93.2		2.50				93.2
PCB-157	3.60e+07	1.28 y	44:56	1.08	115		2.50	-	-	*	-
13C-PCB-157	2.89e+07	1.31 y	44:54	1.21	91.4		2.50				91.4
PCB-169	3.48e+07	1.28 y	46:46	1.08	114		2.50	-	-	*	-
13C-PCB-169	2.84e+07	1.29 y	46:46	1.17	93.1		2.50				93.1
PCB-188	2.57e+07	1.06 y	39:45	1.10	112		2.50	-	-	*	-
13C-PCB-188	2.08e+07	1.08 y	39:43	1.13	71.0		2.50				71.0
PCB-189	2.30e+07	1.07 y	48:27	1.07	113		2.50	-	-	*	-
13C-PCB-189	1.90e+07	1.09 y	48:27	0.97	75.6		2.50				75.6
PCB-202	2.35e+07	0.93 y	44:51	1.03	160		2.50	-	-	*	-
13C-PCB-202	1.43e+07	0.92 y	44:49	0.96	57.5		2.50				57.5
13C-PCB-178	1.63e+07	1.09 y	42:21	0.78	80.4		2.50				80.4
13C-PCB-138	2.60e+07	1.30 y	41:34	-	54.1		2.50				

FAL ID: ST102720Z1 Filename: 27OCT20Z Sam:1 Acquired: 27-OCT-20 06:40:09 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 27OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.54e+07	0.91	y	50:06	1.09	162	2.50	-	-	*	-
13C-PCB-205	3.15e+07	0.90	y	50:06	1.32	91.4	2.50				91.4
PCB-208	4.36e+07	1.37	y	49:11	1.01	169	2.50	-	-	*	-
13C-PCB-208	2.57e+07	0.81	y	49:09	1.38	71.2	2.50				71.2
PCB-206	3.27e+07	1.36	y	51:18	1.04	172	2.50	-	-	*	-
13C-PCB-206	1.82e+07	0.81	y	51:18	0.94	74.3	2.50				74.3
PCB-209	3.37e+07	1.20	y	52:30	1.13	164	2.50	-	-	*	-
13C-PCB-209	1.83e+07	1.22	y	52:28	1.10	63.2	2.50				63.2
13C-PCB-194	2.62e+07	0.92	y	49:50	-	68.7	2.50				

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/27/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.26	2.66-3.60	y	55.0	37.5 - 62.5
PCB-3	M/M+2	3.19	2.66-3.60	y	55.1	37.5 - 62.5
PCB-4	M/M+2	1.42	1.33-1.79	y	55.4	37.5 - 62.5
PCB-15	M/M+2	1.63	1.33-1.79	y	52.3	37.5 - 62.5
PCB-19	M/M+2	1.13	0.88-1.20	y	54.3	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	49.5	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	102	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	93.0	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	102	75.0 - 125
PCB-104	M+2/M+4	1.62	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	111	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	200	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	106	75.0 - 125
PCB-126	M+2/M+4	1.57	1.32-1.78	y	104	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	113	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	1.27	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	99.4	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	106	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	174	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	145	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	145	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	152	112.5 - 187.5

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/27/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

	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	3.30	2.66-3.60	y	97.3	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	89.6	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	83.7	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	88.0	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	76.6	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	106	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	96.6	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	92.4	50.0 - 145
13C-PCB-104	M+2/M+4	1.62	1.32-1.78	y	103	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	98.0	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	94.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	98.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	91.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	89.8	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	92.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	107	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	109	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	99.7	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	107	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	100	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	107	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	89.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	93.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	112	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	109	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	107	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	88.2	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	104	75.0 - 125
13C-PCB-178	M+2/M+4	1.18	0.89-1.21	y	93.9	75.0 - 125

Analyst: b Date: 10/30/20

FAL ID: ST102720Z2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: DAILY209FAL4-10-27-20 1 of 2
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.38e+07	3.26 y	14:34	1.37	55.0		2.50	-	-	*	
13C-PCB-1	4.49e+07	3.30 y	14:33	0.75	97.3		2.50				97.3
PCB-3	3.05e+07	3.19 y	16:59	1.35	55.1		2.50	-	-	*	
13C-PCB-3	4.10e+07	3.31 y	16:58	0.74	89.6		2.50				89.6
PCB-4	2.51e+07	1.42 y	18:13	1.14	55.4		2.50	-	-	*	
13C-PCB-4	3.99e+07	1.60 y	18:12	0.64	101		2.50				101
PCB-15	3.56e+07	1.63 y	23:45	1.23	52.3		2.50	-	-	*	
13C-PCB-15	5.51e+07	1.59 y	23:43	1.07	83.7		2.50				83.7
PCB-19	1.54e+07	1.13 y	22:06	1.35	54.3		2.50	-	-	*	
13C-PCB-19	2.10e+07	1.14 y	22:04	0.39	88.0		2.50				88.0
13C-PCB-9	6.15e+07	1.61 y	19:53	-	105		2.50				
PCB-37	2.51e+07	1.10 y	30:23	1.25	49.5		2.50	-	-	*	
13C-PCB-37	4.03e+07	1.04 y	30:22	1.93	76.6		2.50				76.6
PCB-54	4.39e+07	0.78 y	25:39	1.33	102		2.50	-	-	*	
13C-PCB-54	3.25e+07	0.82 y	25:37	1.12	106		2.50				106
PCB-104	2.60e+07	1.62 y	30:04	1.23	106		2.50	-	-	*	
13C-PCB-104	1.98e+07	1.62 y	30:03	0.70	103		2.50				103
13C-PCB-28	5.39e+07	1.09 y	26:41	2.24	88.2		2.50				88.2
13C-PCB-52	2.73e+07	0.82 y	28:57	-	100		2.50				
PCB-81	5.41e+07	0.82 y	36:08	1.37	102		2.50	-	-	*	
13C-PCB-81	3.86e+07	0.79 y	36:07	1.87	92.4		2.50				92.4
PCB-77	4.77e+07	0.83 y	36:42	1.25	93.0		2.50	-	-	*	
13C-PCB-77	4.10e+07	0.79 y	36:41	1.90	96.6		2.50				96.6
PCB-155	2.50e+07	1.29 y	34:13	1.14	113		2.50	-	-	*	
13C-PCB-155	1.94e+07	1.34 y	34:12	0.94	92.0		2.50				92.0
13C-PCB-111	2.94e+07	1.63 y	36:17	1.27	104		2.50				104
13C-PCB-101	2.24e+07	1.65 y	34:38	-	97.8		2.50				
PCB-123	4.30e+07	1.61 y	38:21	1.08	106		2.50	-	-	*	
13C-PCB-123	3.78e+07	1.60 y	38:19	1.54	91.2		2.50				91.2
PCB-118	9.91e+07	1.56 y	38:32	1.17	200		2.50	-	-	*	
13C-PCB-118	4.24e+07	1.60 y	38:29	1.60	98.3		2.50				98.3
PCB-114	5.30e+07	1.57 y	39:08	1.19	111		2.50	-	-	*	
13C-PCB-114	4.01e+07	1.60 y	39:07	1.57	94.6		2.50				94.6
PCB-105	5.13e+07	1.57 y	39:56	1.24	103		2.50	-	-	*	
13C-PCB-105	4.00e+07	1.60 y	39:55	1.52	98.0		2.50				98.0
PCB-126	4.65e+07	1.57 y	42:03	1.18	104		2.50	-	-	*	
13C-PCB-126	3.79e+07	1.58 y	42:03	1.57	89.8		2.50				89.8
PCB-167	3.88e+07	1.26 y	43:25	1.24	102		2.50	-	-	*	
13C-PCB-167	3.06e+07	1.28 y	43:24	1.14	99.7		2.50				99.7
PCB-156	4.23e+07	1.28 y	44:39	1.30	102		2.50	-	-	*	
13C-PCB-156	3.18e+07	1.30 y	44:38	1.11	107		2.50				107
PCB-157	4.14e+07	1.27 y	44:54	1.25	102		2.50	-	-	*	
13C-PCB-157	3.25e+07	1.31 y	44:52	1.11	109		2.50				109
PCB-169	3.83e+07	1.29 y	46:46	1.23	99.4		2.50	-	-	*	
13C-PCB-169	3.14e+07	1.30 y	46:44	1.09	107		2.50				107
PCB-188	2.84e+07	1.05 y	39:43	1.23	106		2.50	-	-	*	
13C-PCB-188	2.17e+07	1.08 y	39:41	0.80	100		2.50				100
PCB-189	2.58e+07	1.09 y	48:26	1.21	101		2.50	-	-	*	
13C-PCB-189	2.10e+07	1.08 y	48:25	0.73	107		2.50				107
PCB-202	2.52e+07	0.96 y	44:49	1.10	174		2.50	-	-	*	
13C-PCB-202	1.32e+07	0.95 y	44:49	0.55	89.3		2.50				89.3
13C-PCB-178	1.58e+07	1.18 y	42:19	0.62	93.9		2.50				93.9
13C-PCB-138	2.70e+07	1.28 y	41:33	-	104		2.50				

FAL ID: ST102720Z2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: DAILY209FAL4-10-27-202 of 2
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 13237 GC Column: DB1MS Amount: 1.000

PCB-205	6.02e+07	0.92	y	50:05	1.17	145	2.50	-	-	*	
13C-PCB-205	3.55e+07	0.89	y	50:04	1.20	93.7	2.50				93.7
PCB-208	5.69e+07	1.36	y	49:09	1.13	150	2.50	-	-	*	
13C-PCB-208	3.36e+07	0.82	y	49:09	0.98	109	2.50				109
PCB-206	4.22e+07	1.35	y	51:17	1.19	145	2.50	-	-	*	
13C-PCB-206	2.45e+07	0.81	y	51:16	0.70	112	2.50				112
PCB-209	4.42e+07	1.20	y	52:28	1.23	152	2.50	-	-	*	
13C-PCB-209	2.36e+07	1.21	y	52:28	0.70	107	2.50				107
13C-PCB-194	3.15e+07	0.91	y	49:49	-	120	2.50				

Analyst: _____ Date: 10/30/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:27OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

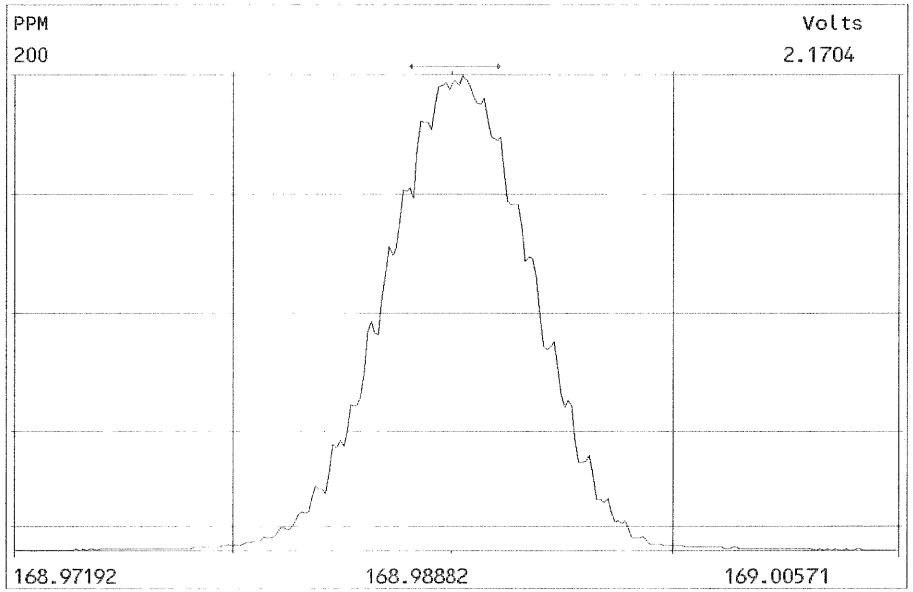
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	05495-001-0001-MB	Method Blank	27-OCT-20 09:35:12	ST102720Z1	ST102720Z2	BS
27OCT20Z	5	13373-013-0001-SA	LDW-Y3-SU-S010-TB	27-OCT-20 10:33:33	ST102720Z1	ST102720Z2	BS
27OCT20Z	6	13373-014-0001-SA	LDW-Y3-LBS-WAT-S010-SPME	27-OCT-20 11:31:54	ST102720Z1	ST102720Z2	BS
27OCT20Z	7	13237-001-0001-SA	LDW-Y3-SU-ENR-CA-CORE	27-OCT-20 12:30:15	ST102720Z1	ST102720Z2	BS
27OCT20Z	8	13237-002-0001-SA	LDW-Y3-SU-ENR-CB-CORE	27-OCT-20 13:28:37	ST102720Z1	ST102720Z2	BS
27OCT20Z	9	13237-003-0001-SA	LDW-Y3-SU-ENR-CC-CORE	27-OCT-20 14:26:58	ST102720Z1	ST102720Z2	BS
27OCT20Z	10	13237-006-0001-SA	LDW-Y3-SU-ENR+AC-CA-CORE	27-OCT-20 15:25:19	ST102720Z1	ST102720Z2	BS
27OCT20Z	11	13237-008-0001-SA	LDW-Y3-SU-ENR+AC-CC-CORE	27-OCT-20 16:23:40	ST102720Z1	ST102720Z2	BS
27OCT20Z	12	13237-009-0001-SA	LDW-Y3-SU-ENR+AC-CD-CORE	27-OCT-20 17:22:02	ST102720Z1	ST102720Z2	BS
27OCT20Z	13	SB102720Z1	Solvent Blank	27-OCT-20 18:20:23	ST102720Z1	ST102720Z2	BS
27OCT20Z	14	ST102720Z2	CS209 200406A	27-OCT-20 19:18:44	ST102720Z1	ST102720Z2	BS

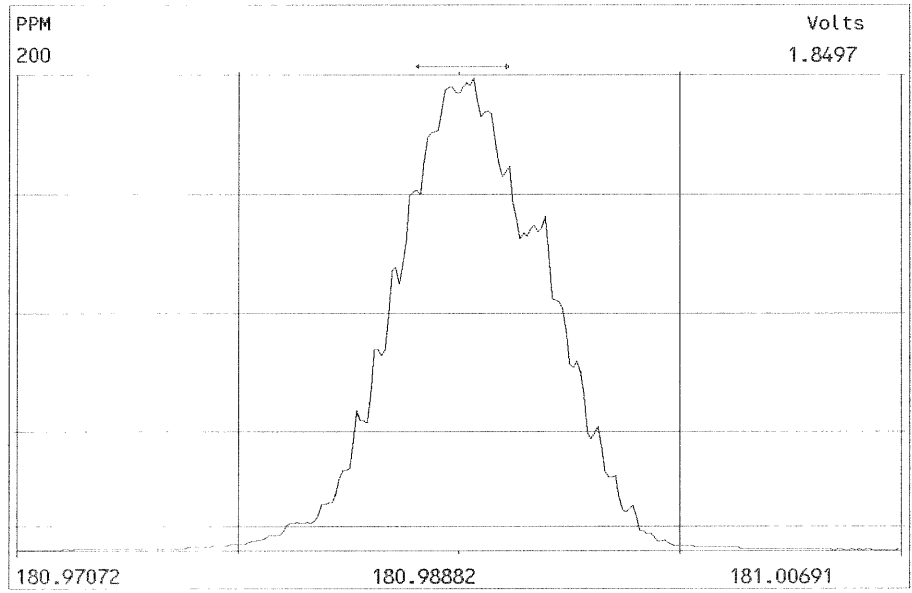
10/28/20

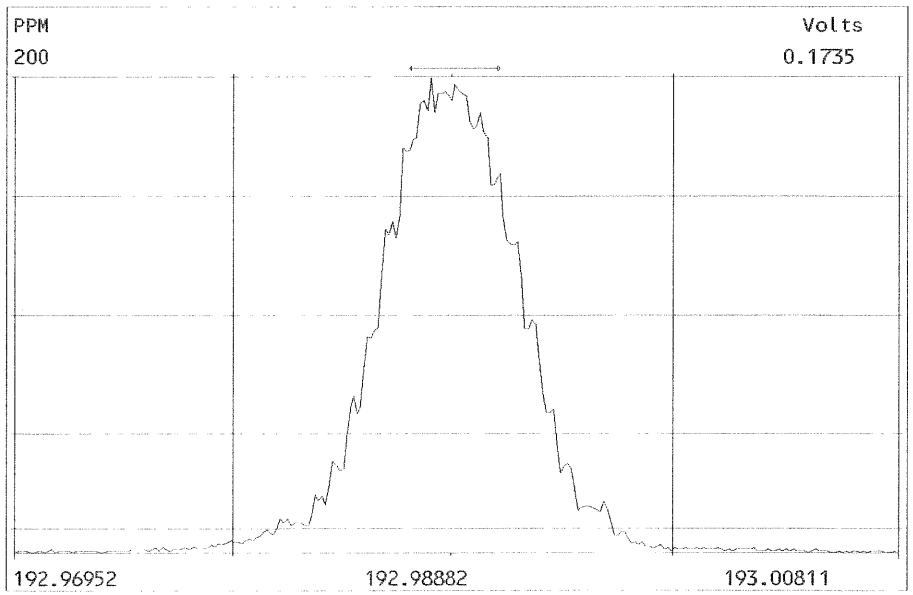
Data Backed Up:_____

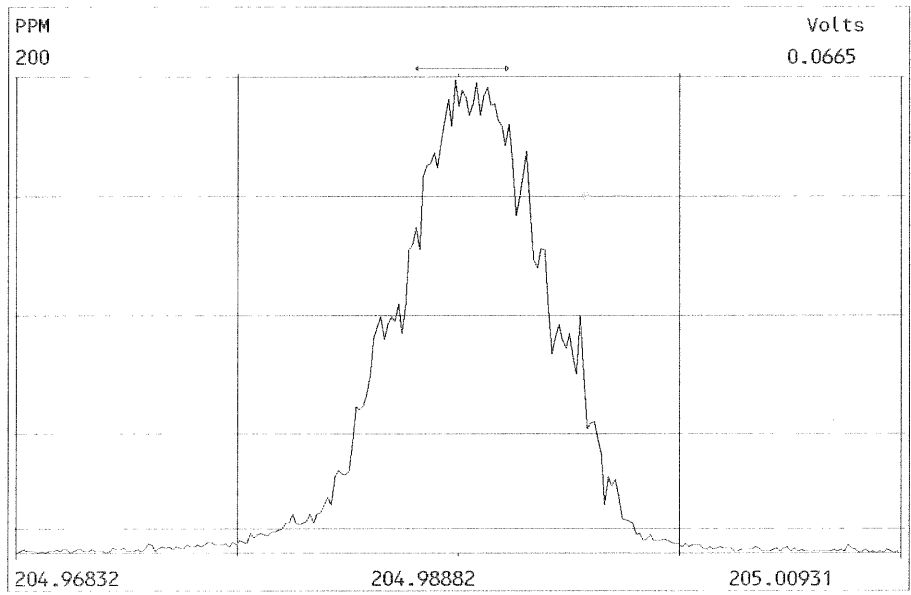
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

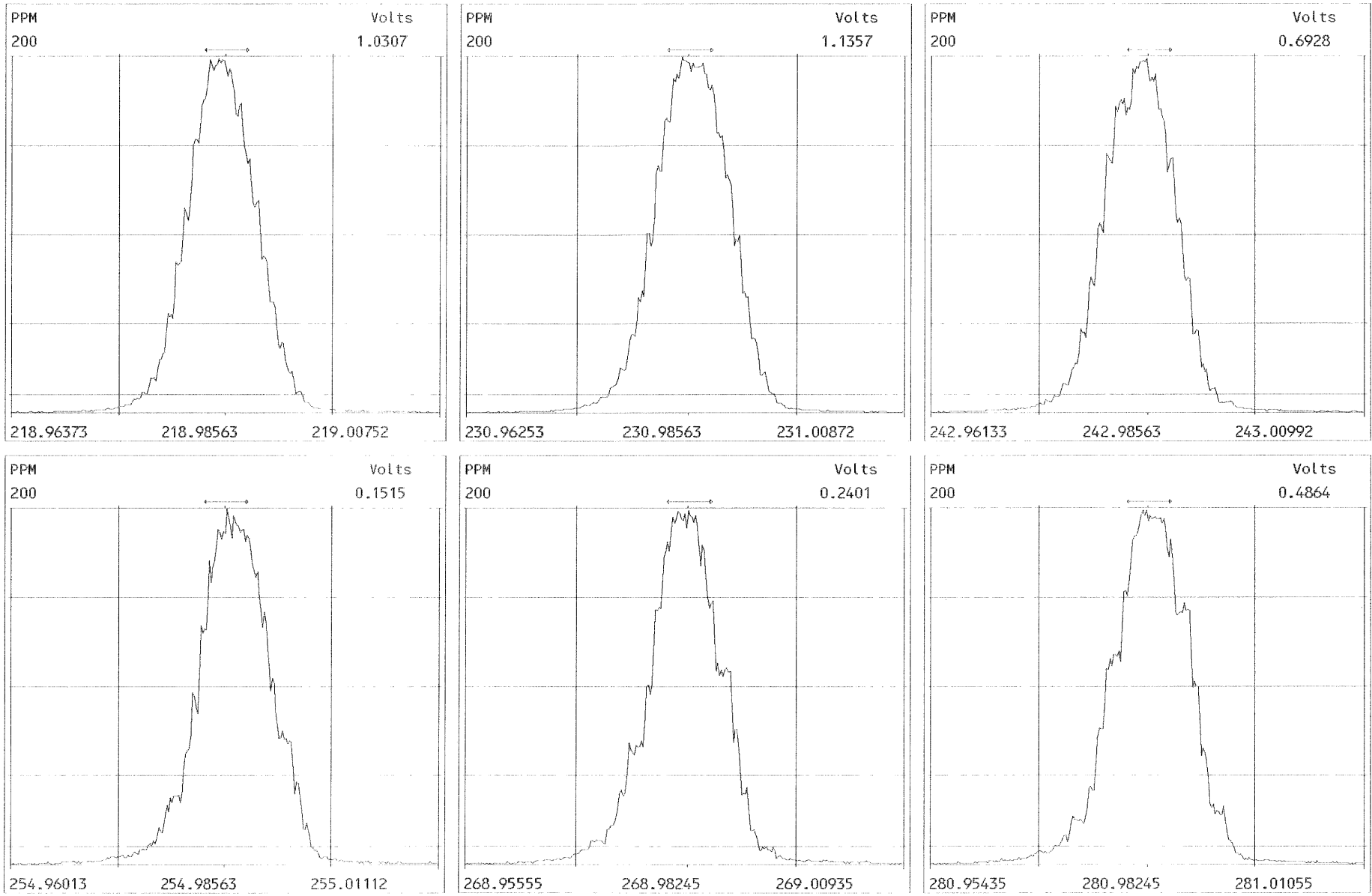




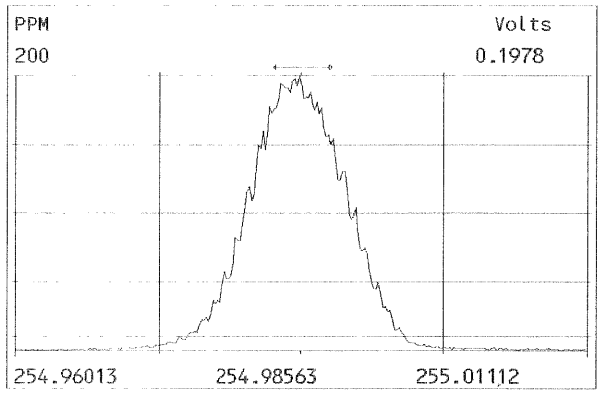


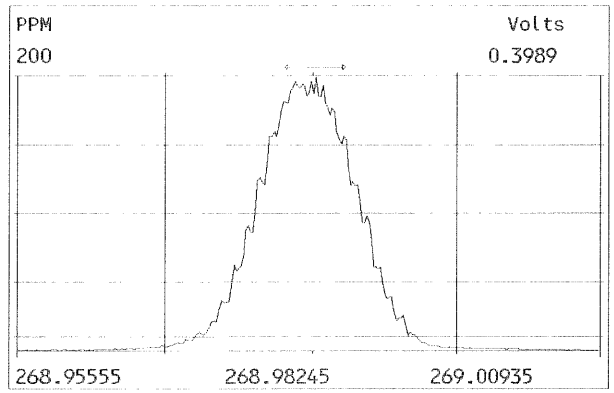


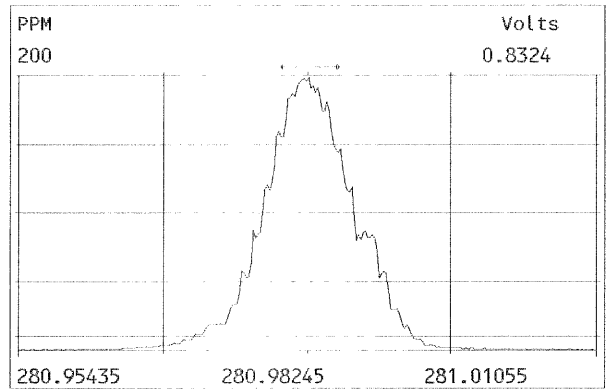
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

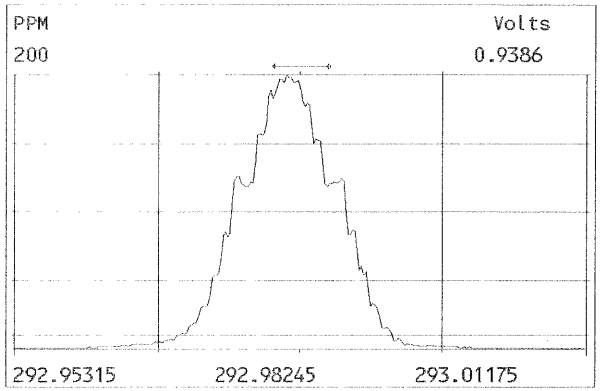


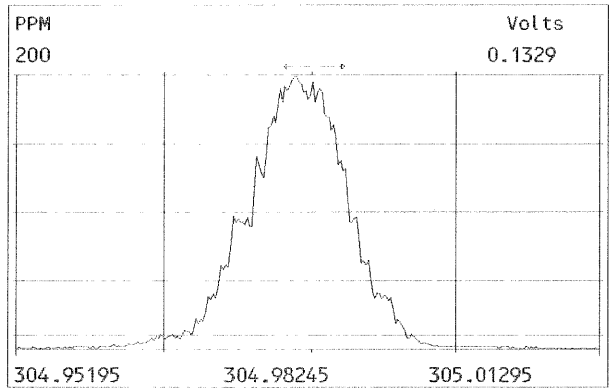
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

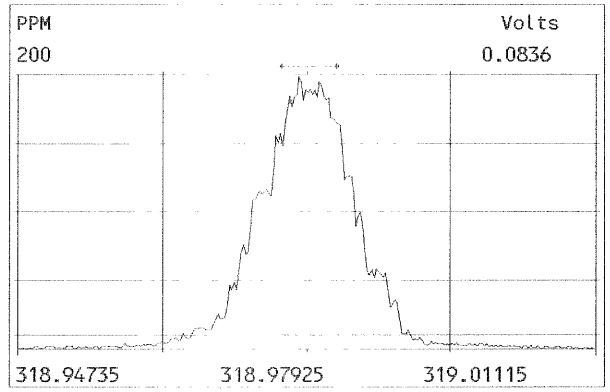


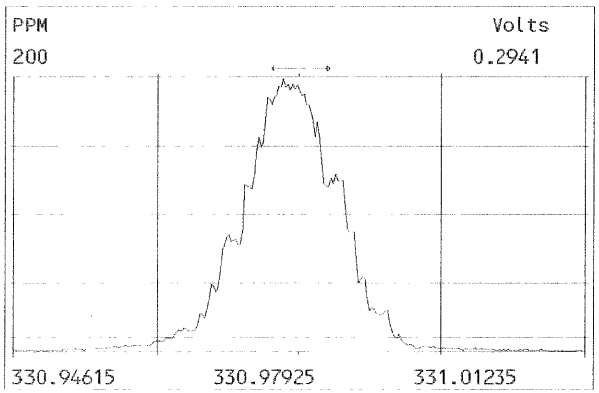


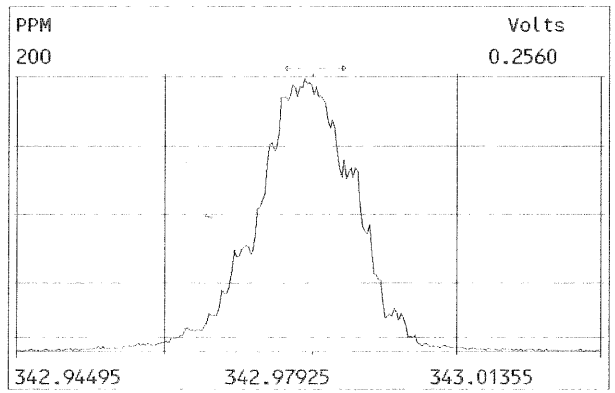




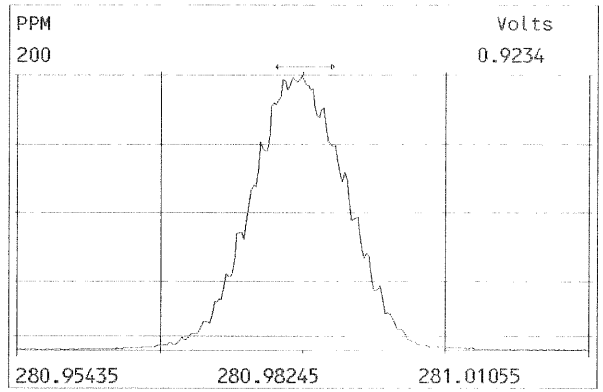


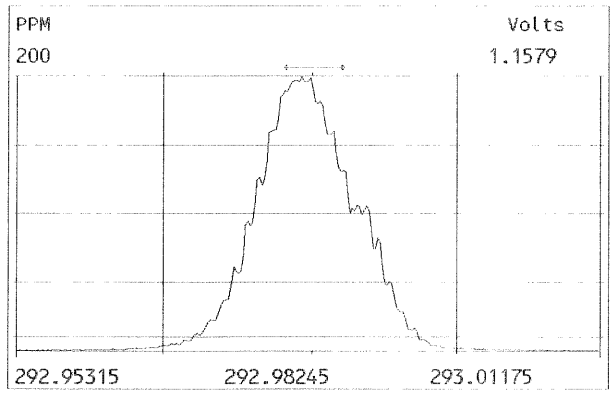


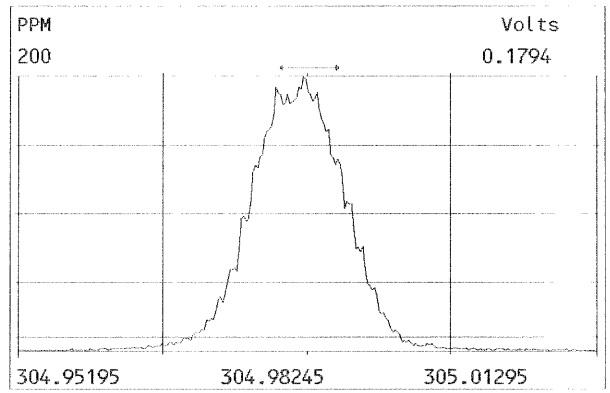


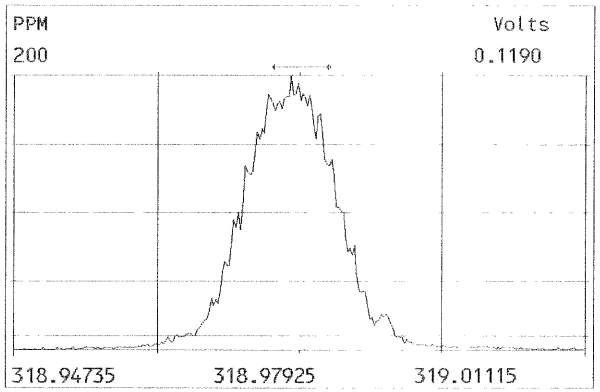


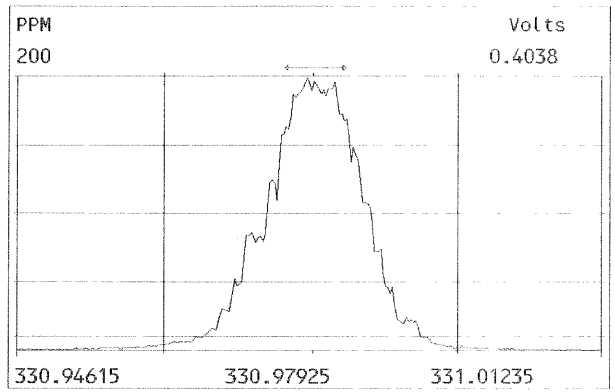
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

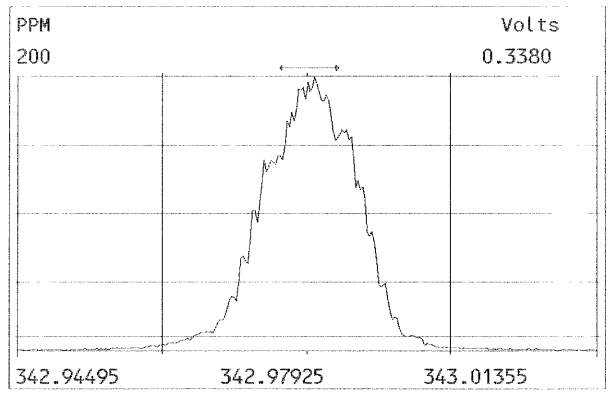


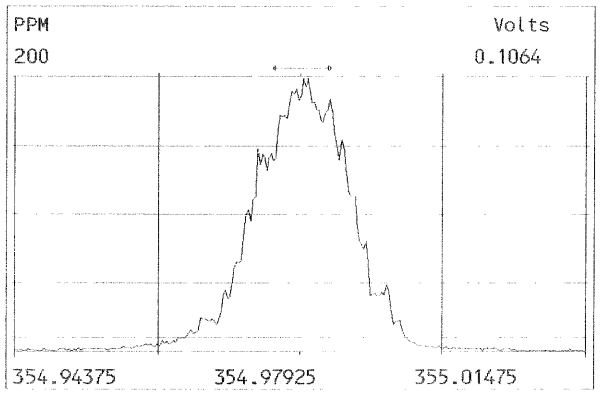


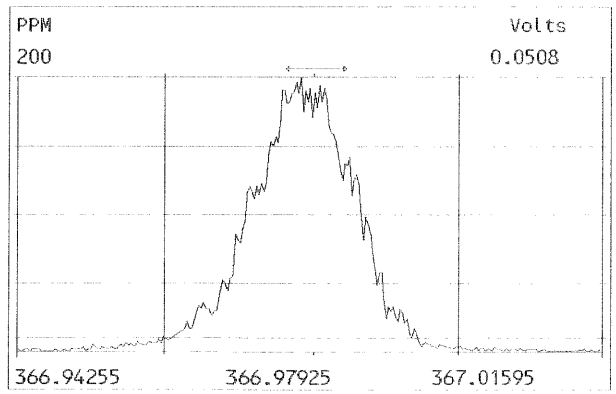


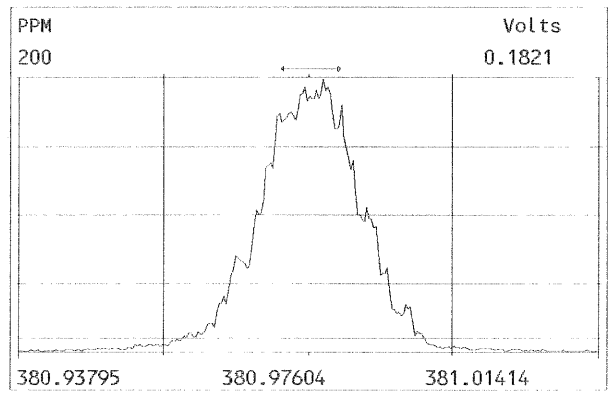






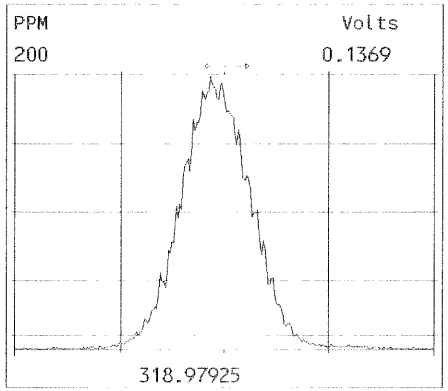


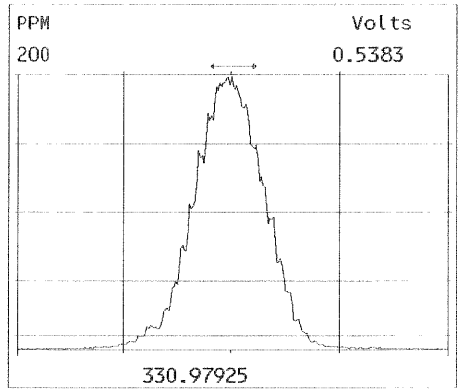


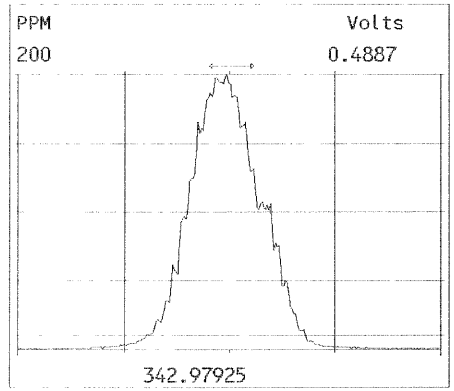


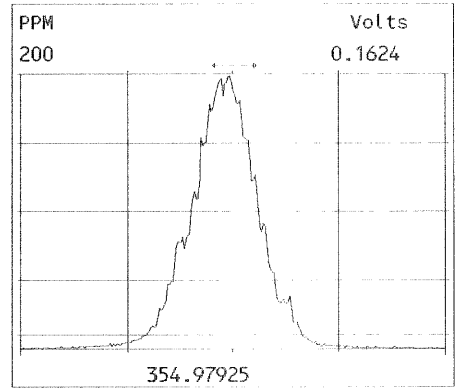
Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z

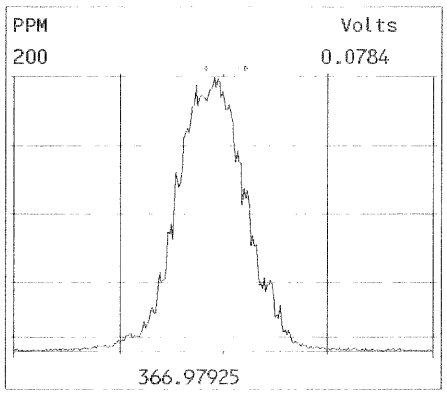
Experiment:1668PCB Function:5 Reference:PFK

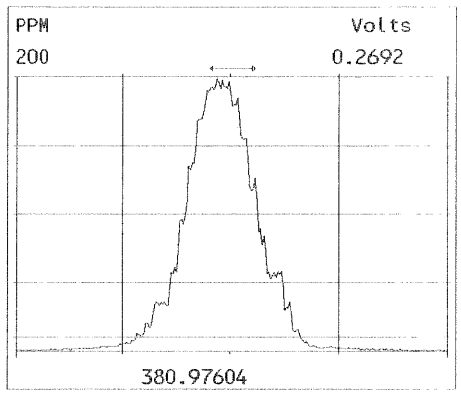


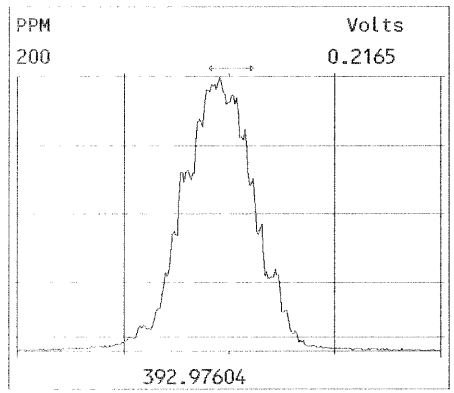


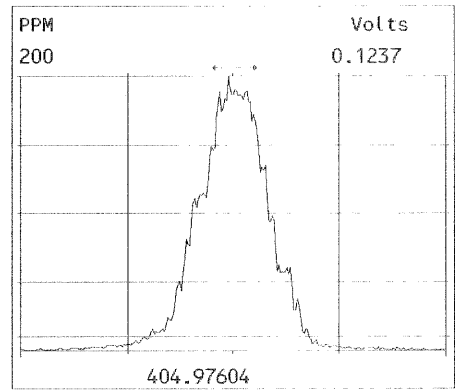


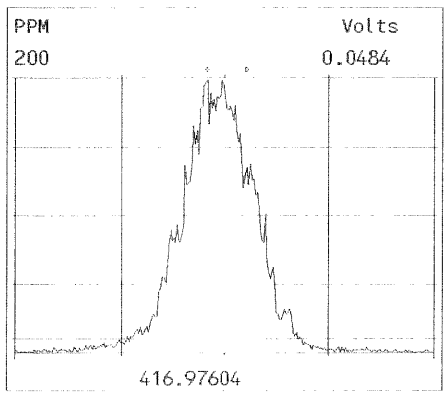


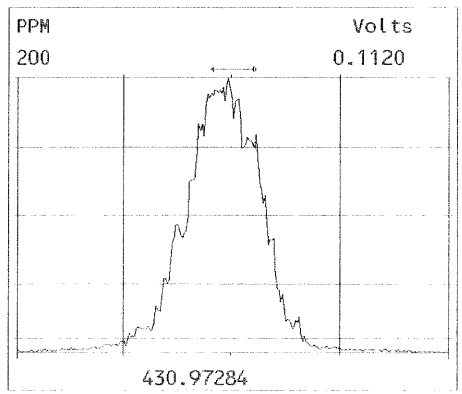


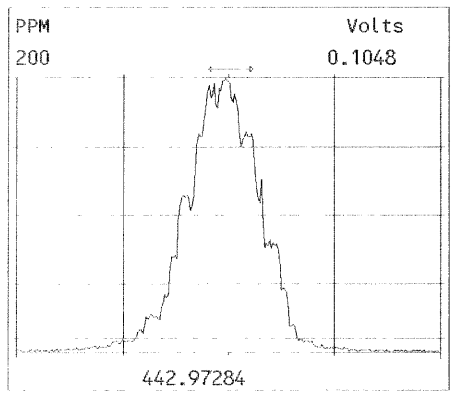




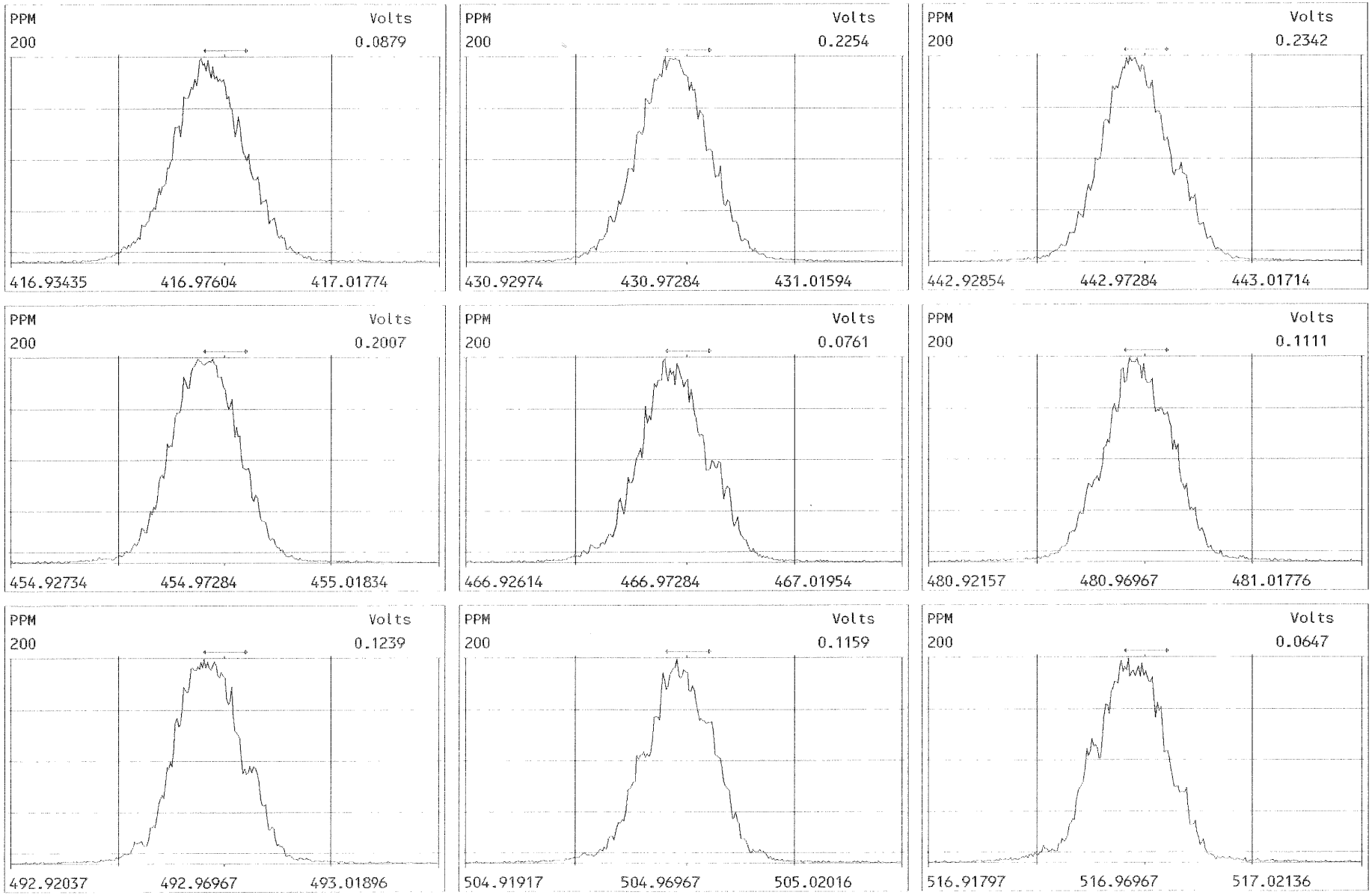




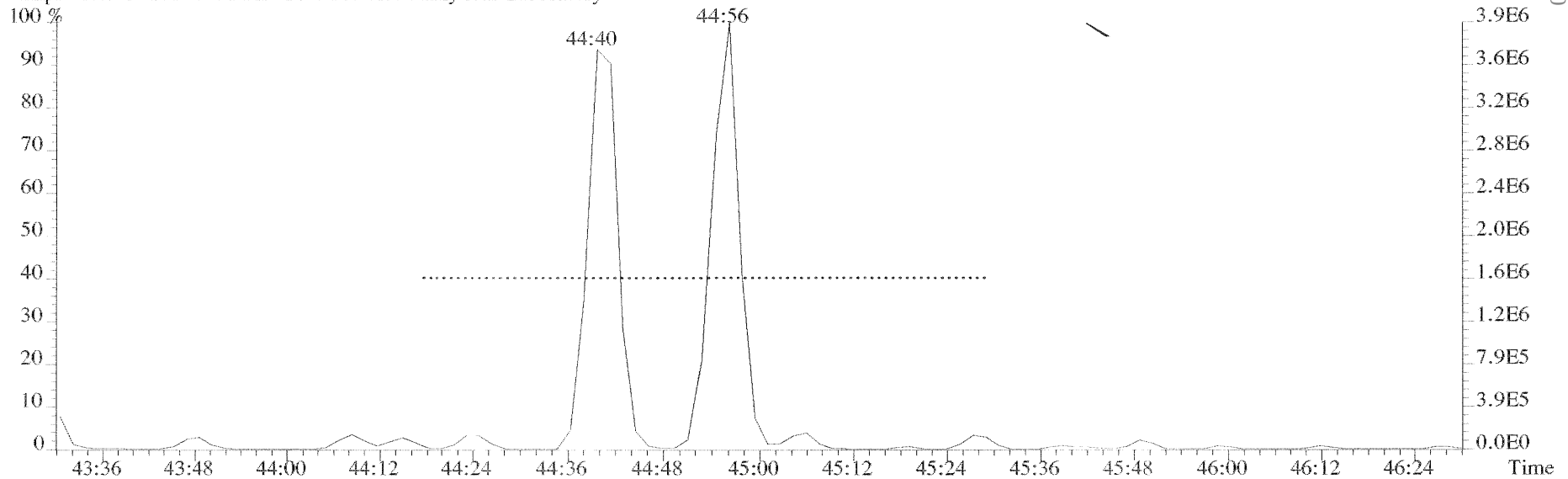




Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



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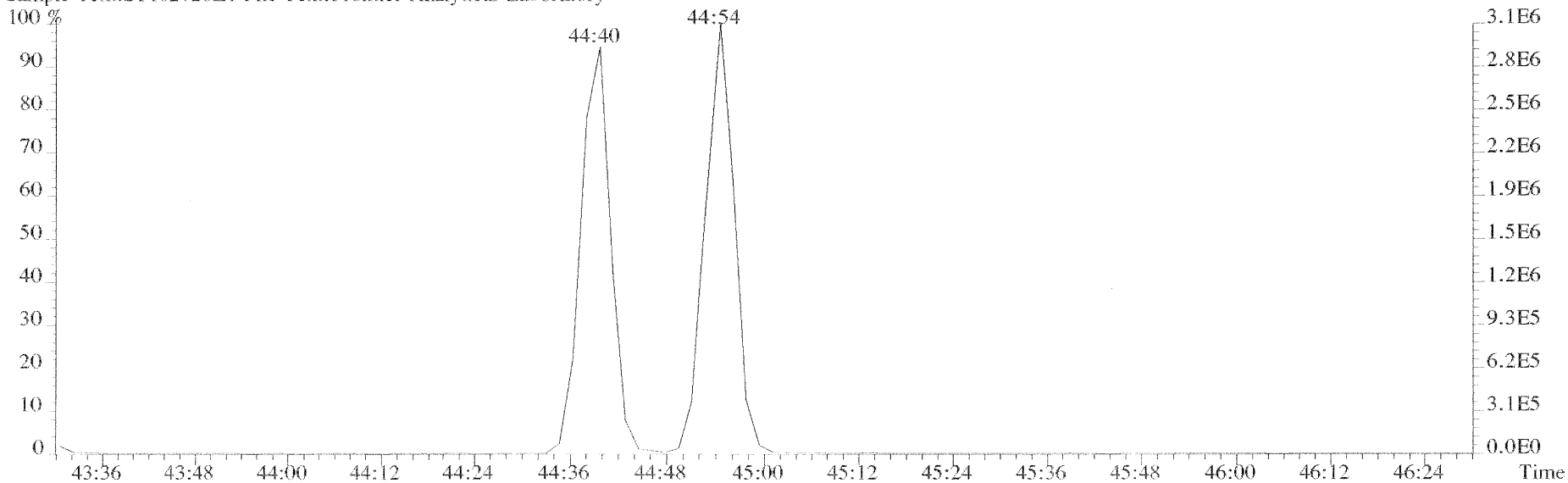

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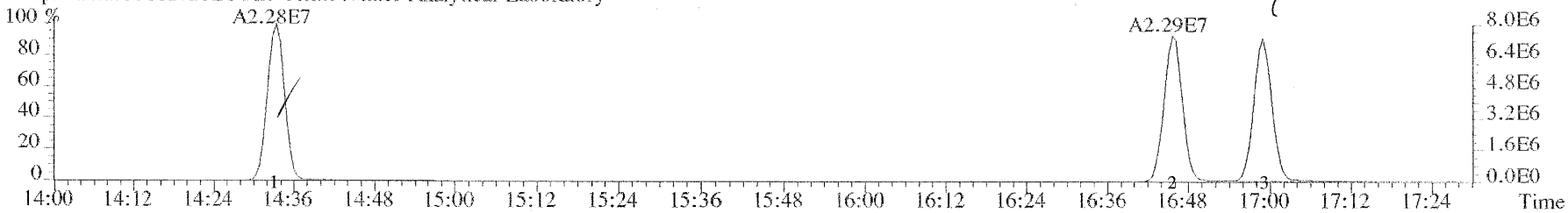
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
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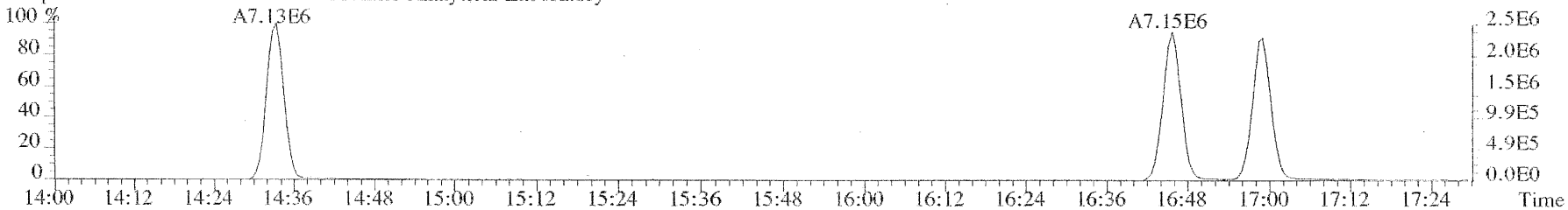
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
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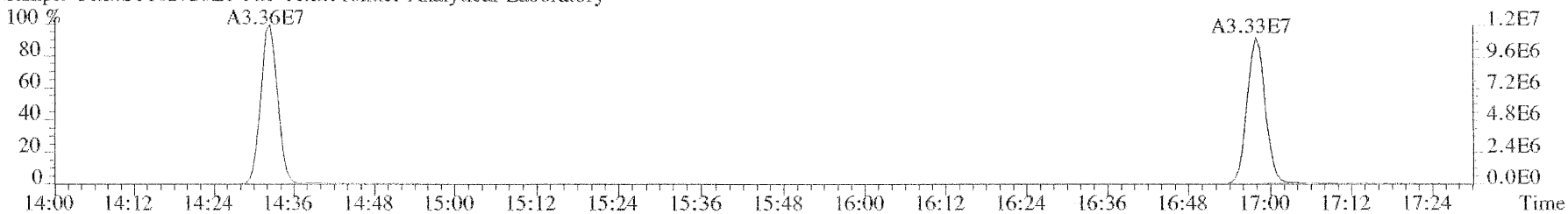
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



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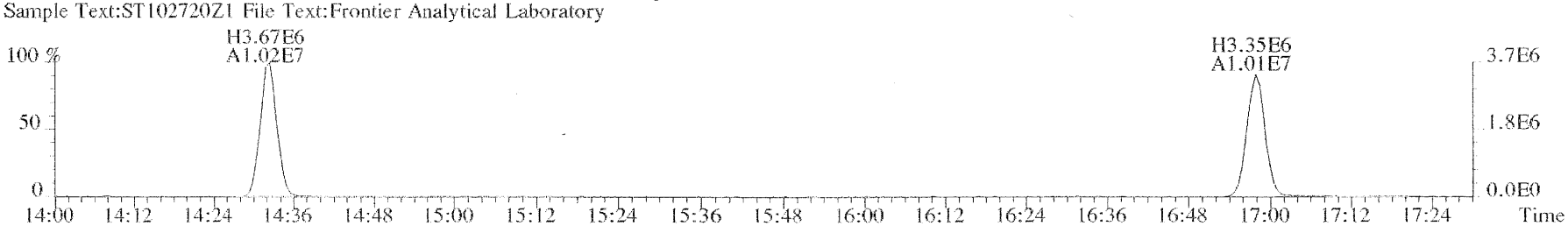
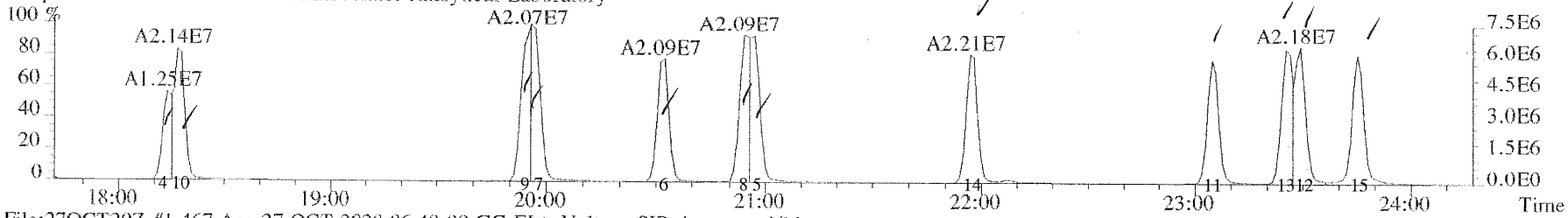
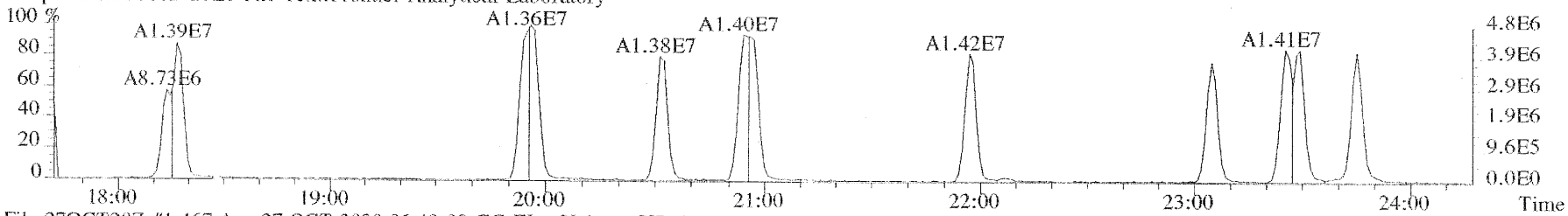
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



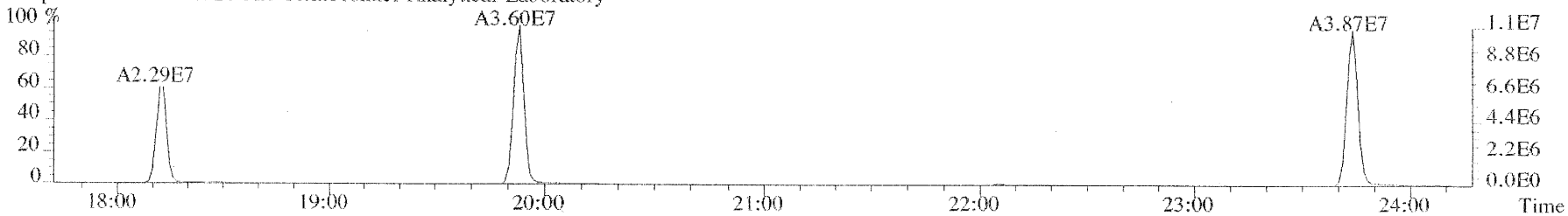
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



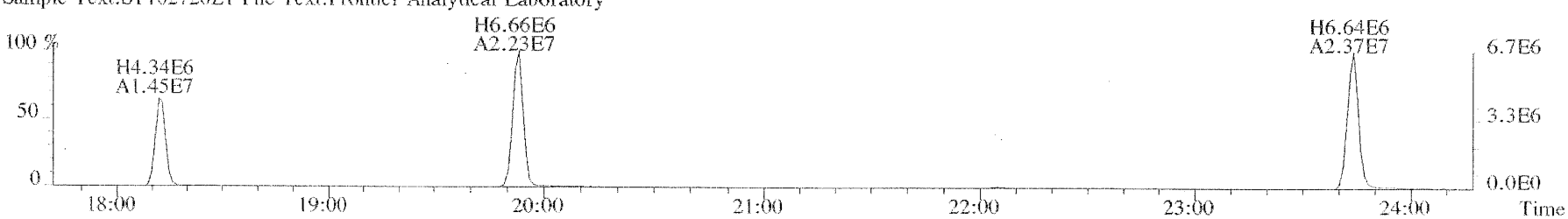
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



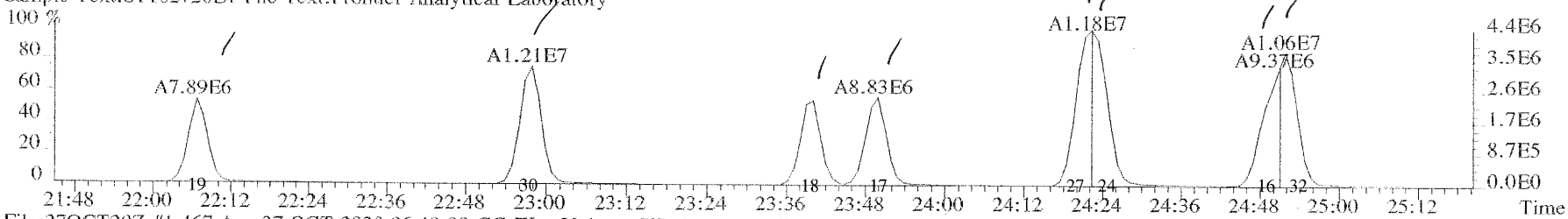
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



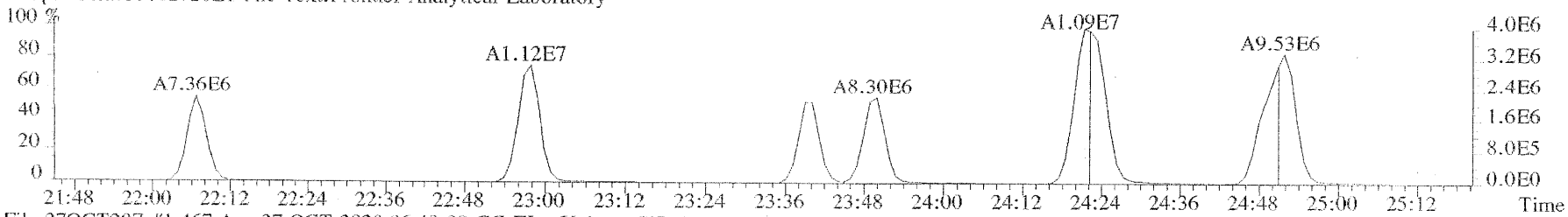
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



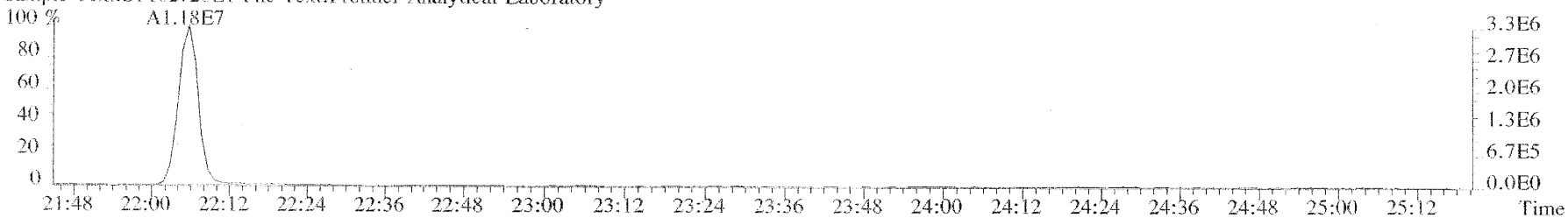
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



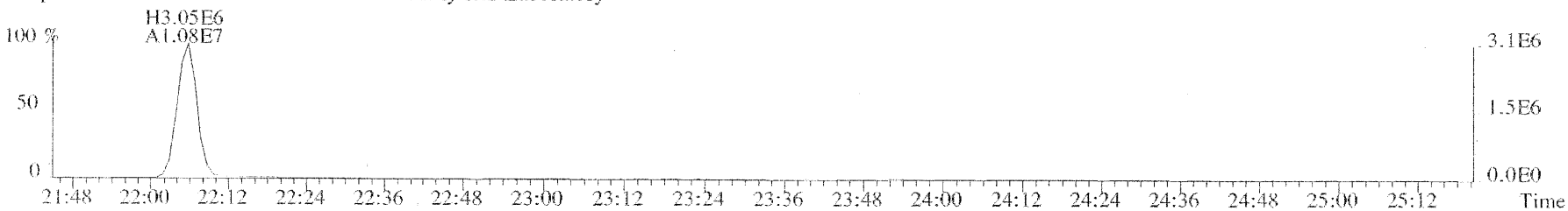
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



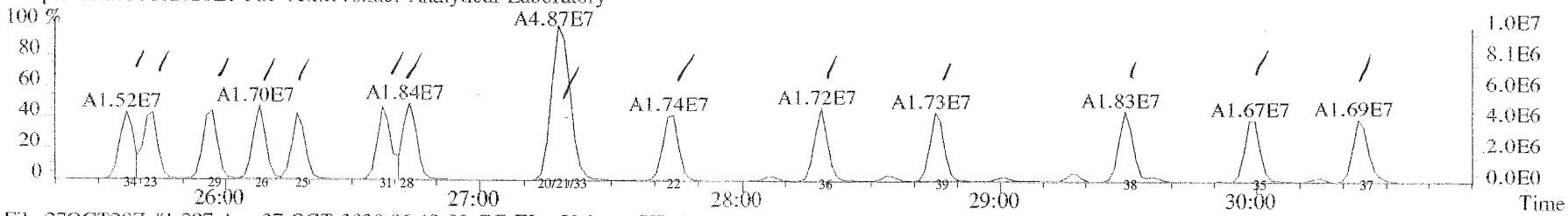
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



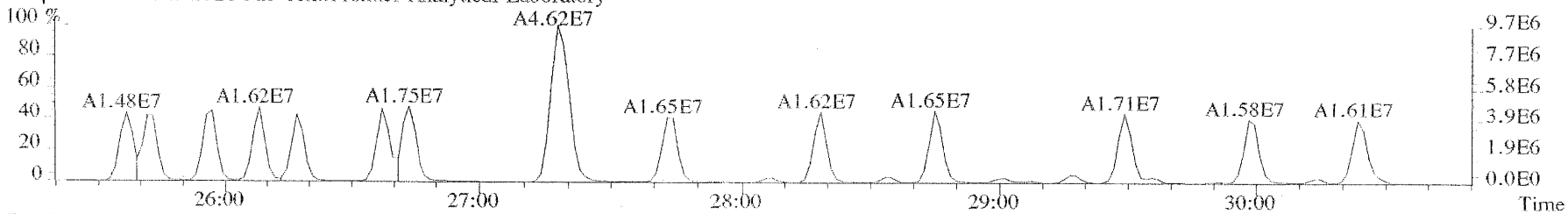
File:27OCT20Z #1-467 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



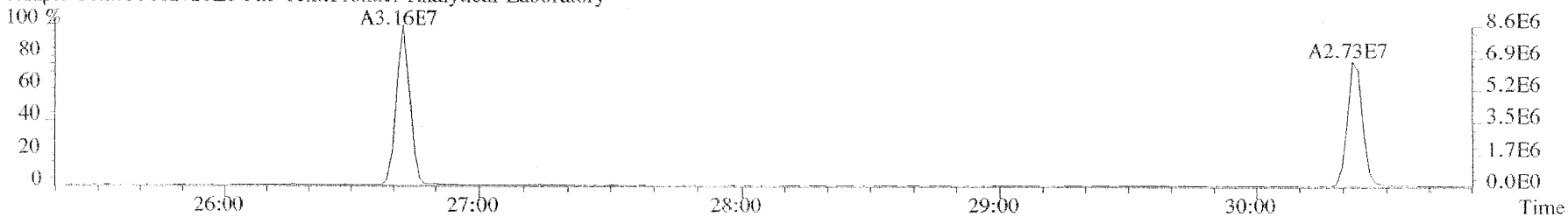
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



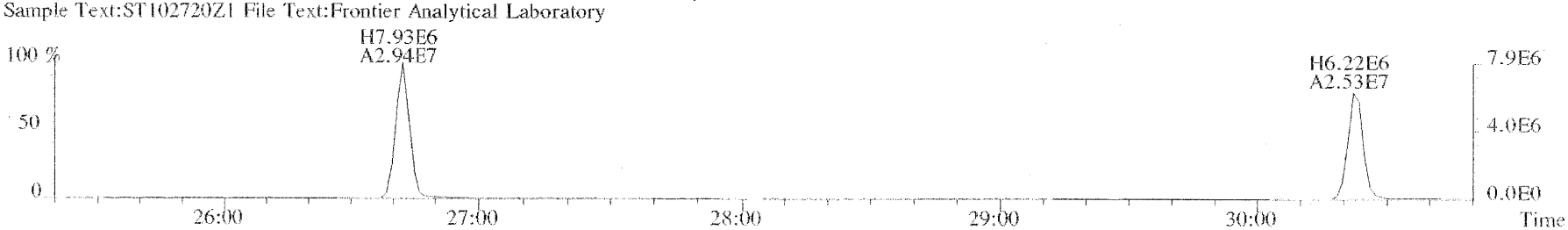
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



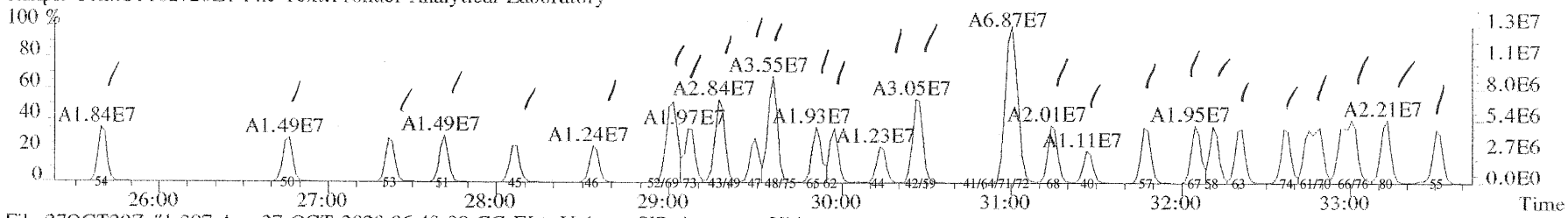
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



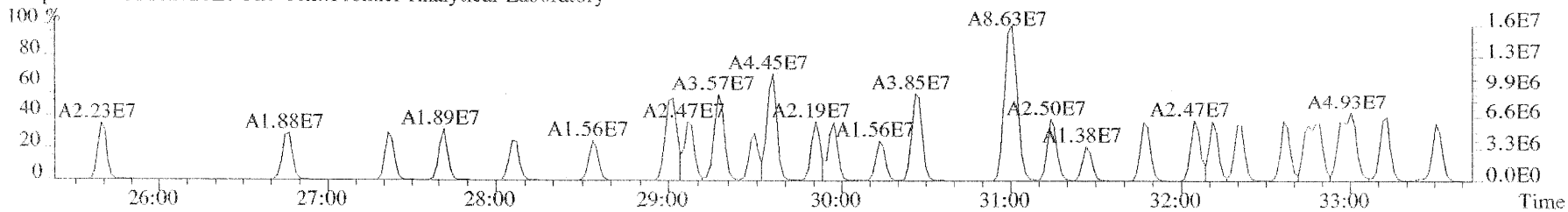
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



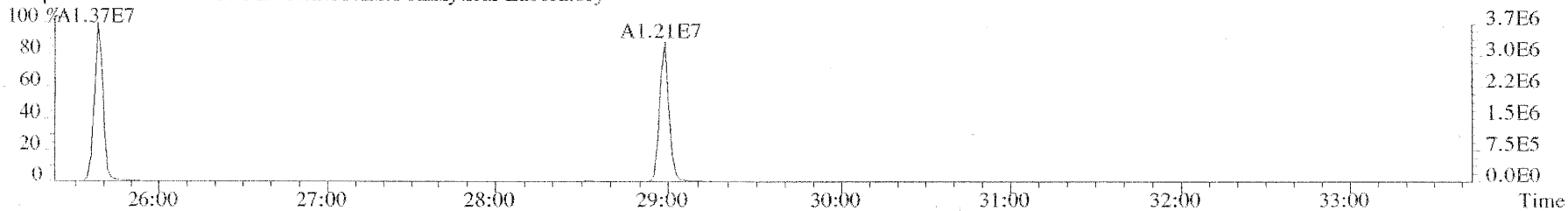
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



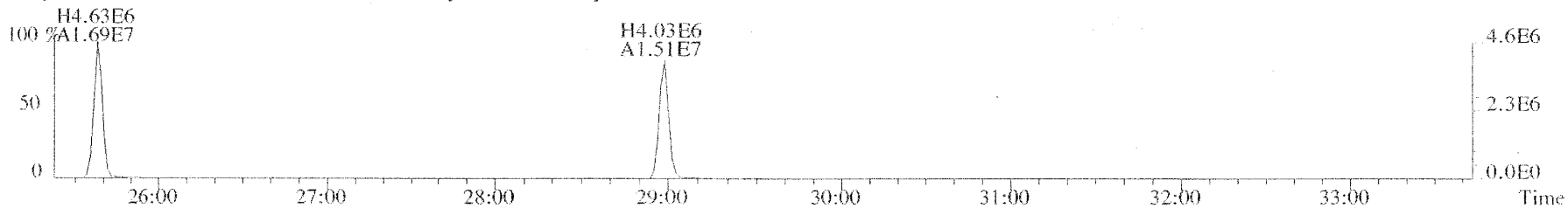
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



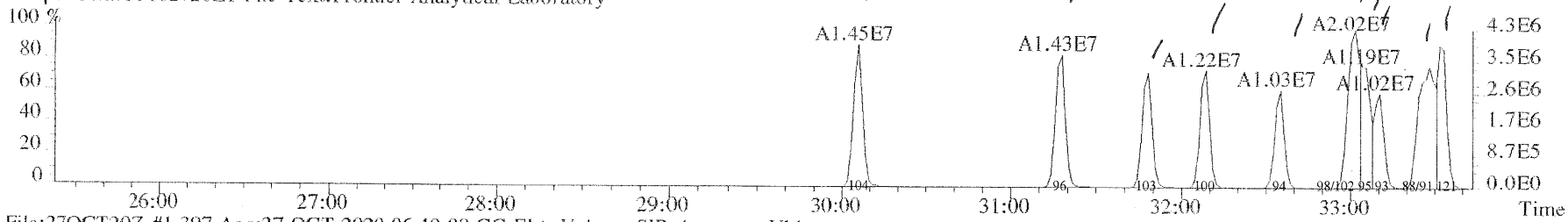
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



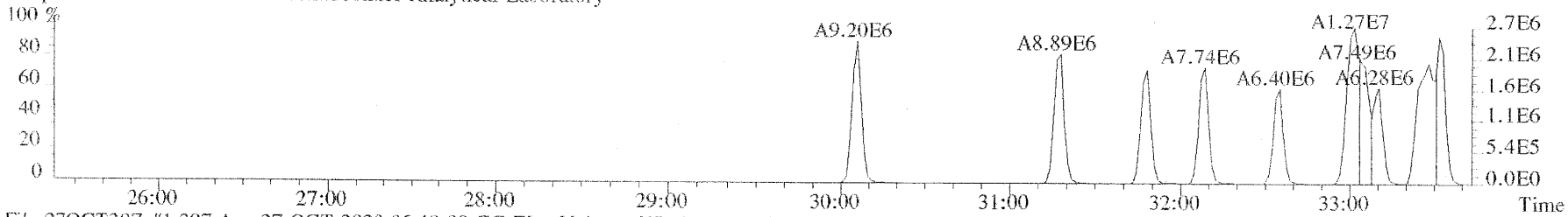
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



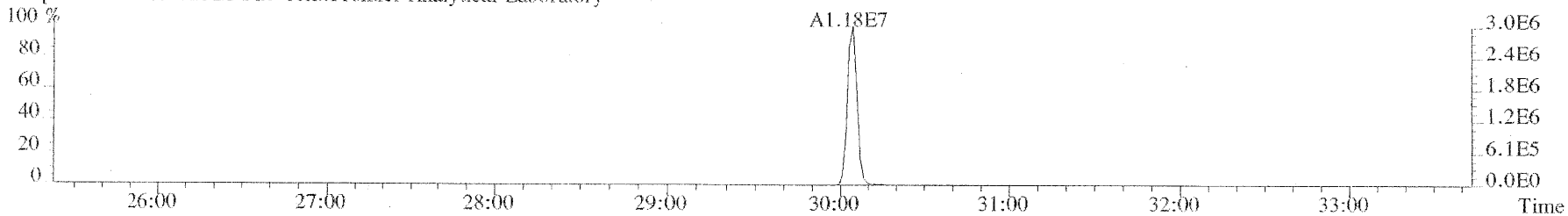
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



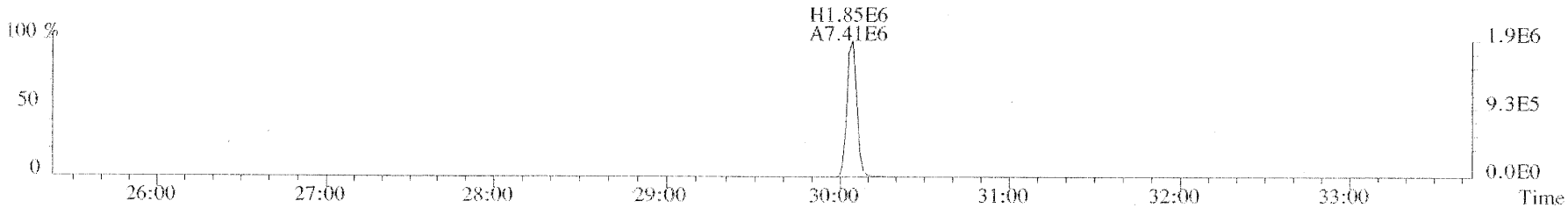
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



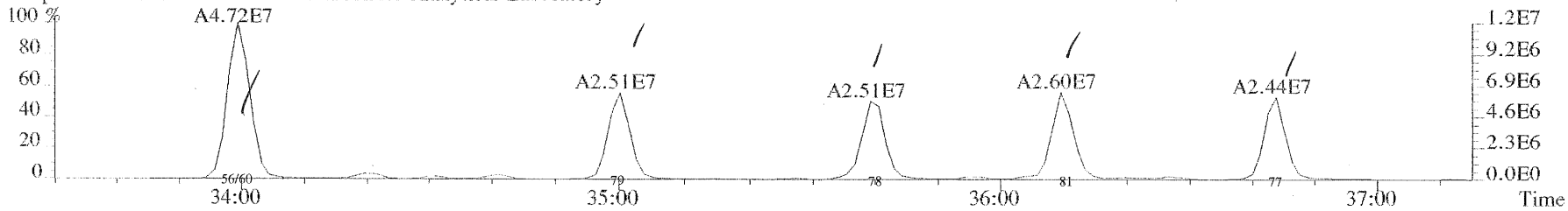
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



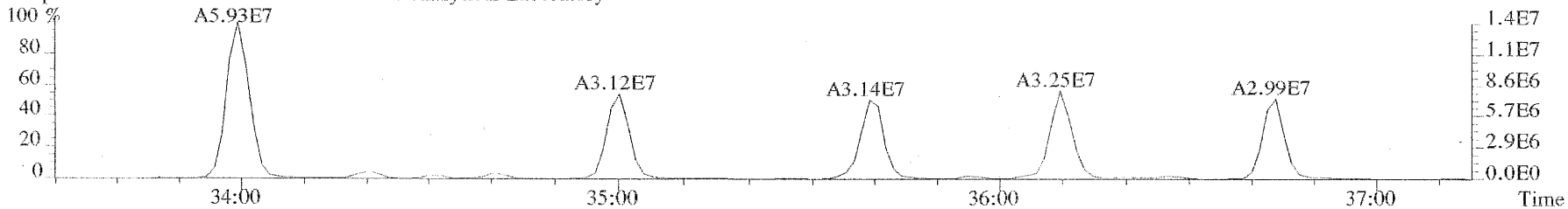
File:27OCT20Z #1-397 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



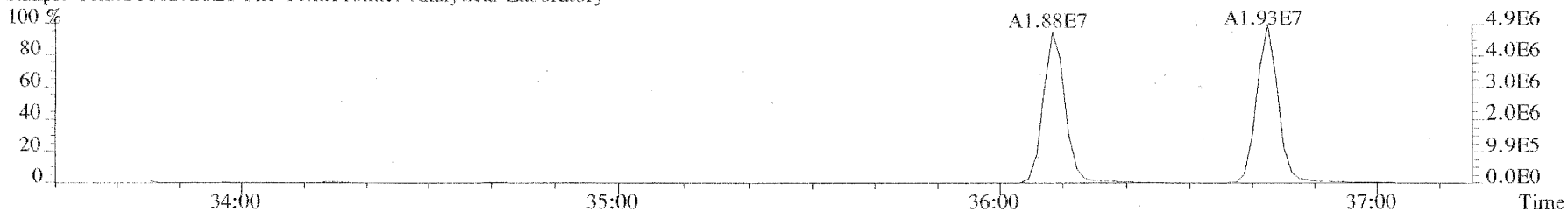
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



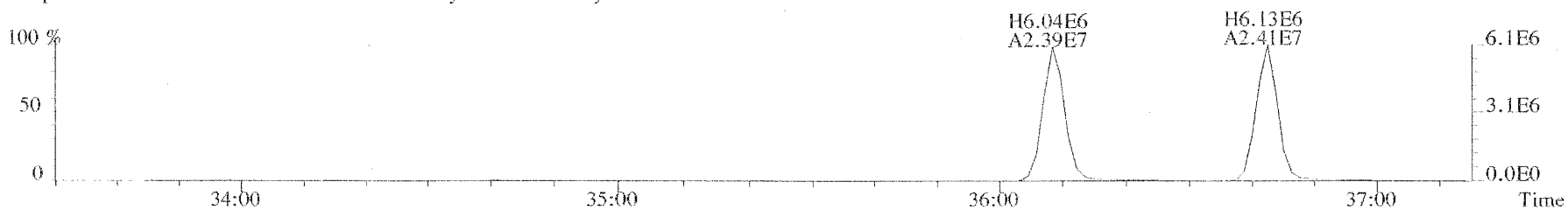
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



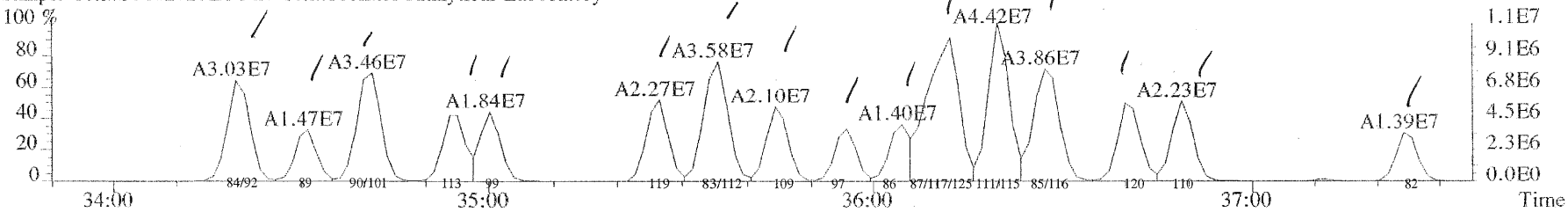
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



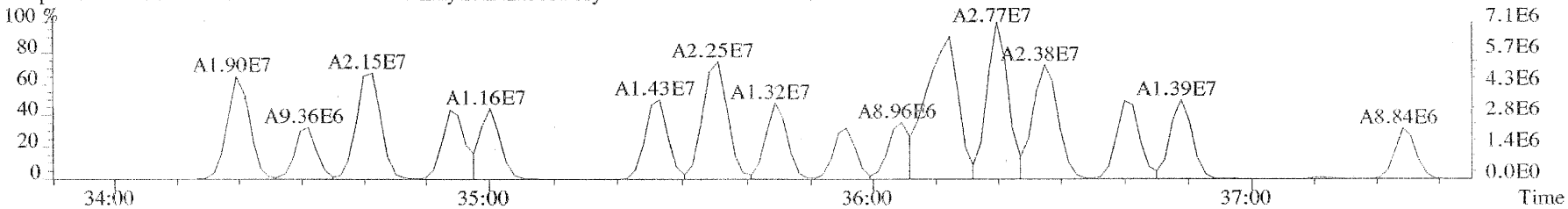
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



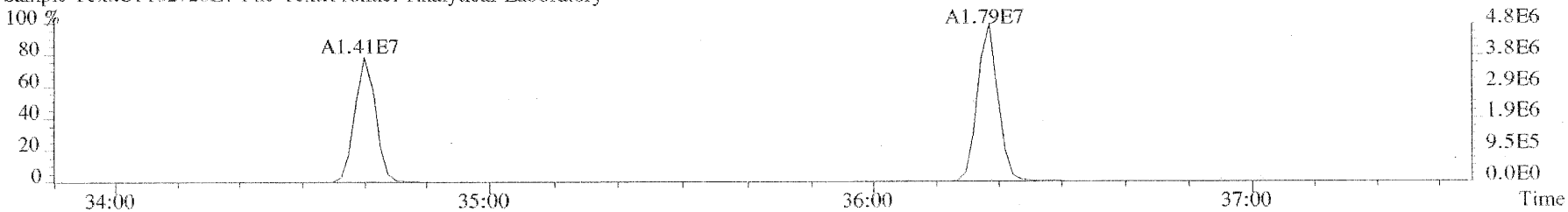
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



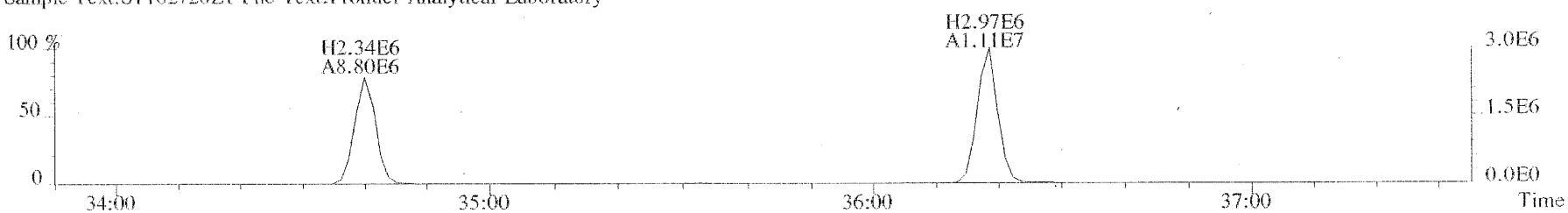
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



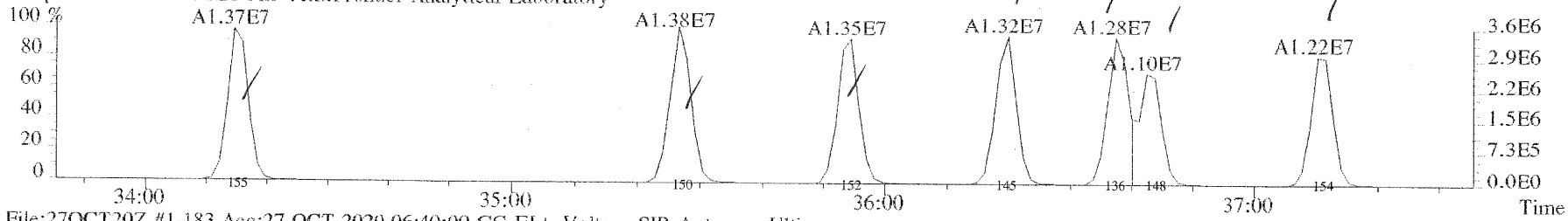
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



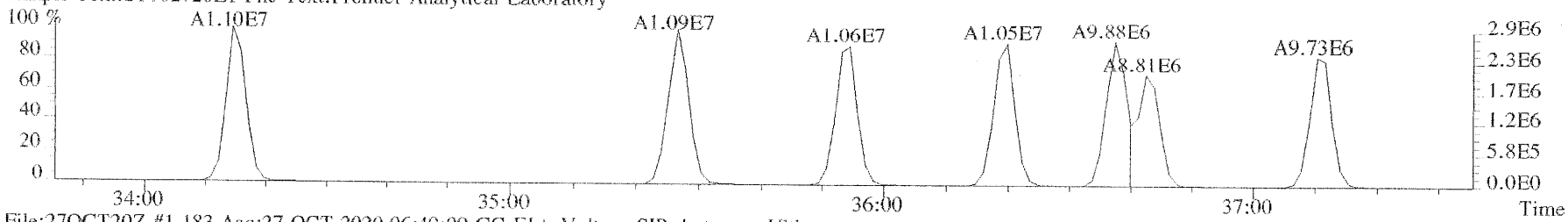
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



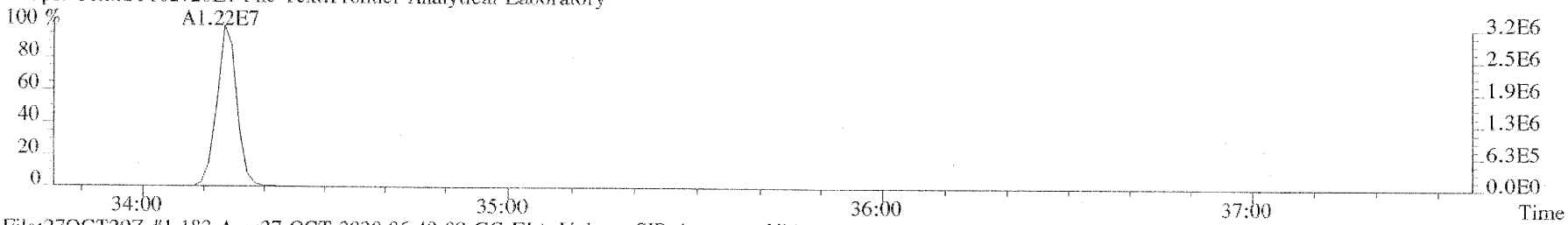
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



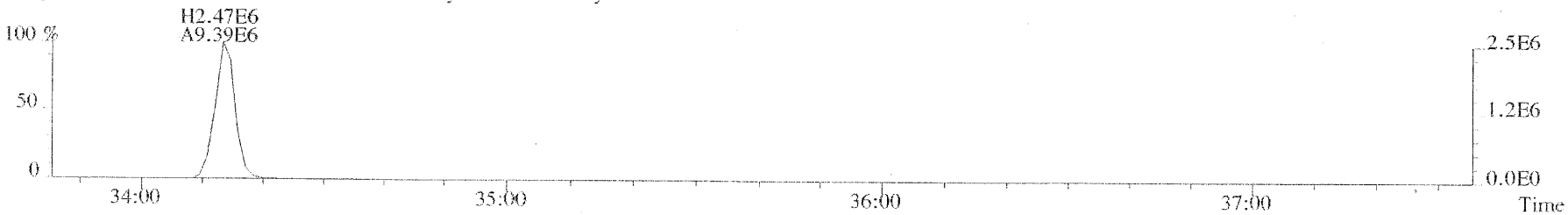
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



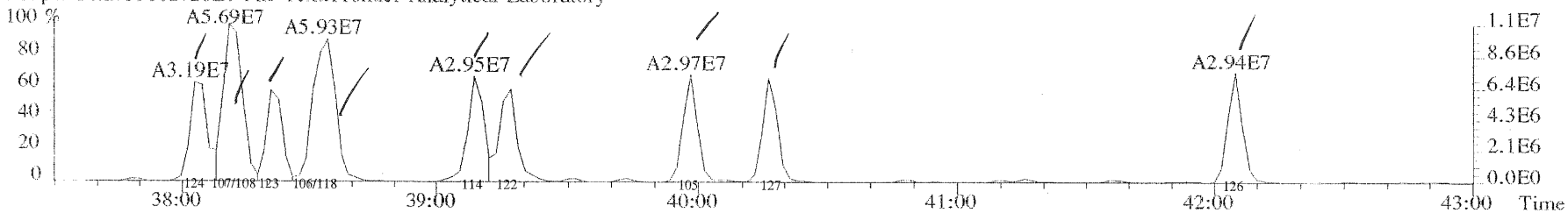
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



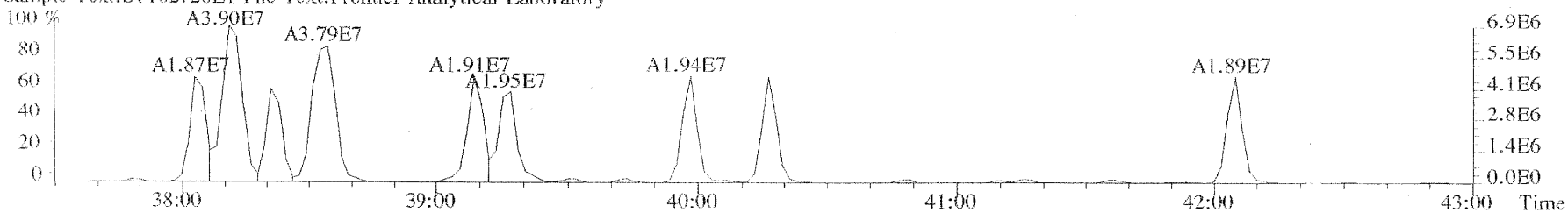
File:27OCT20Z #1-183 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



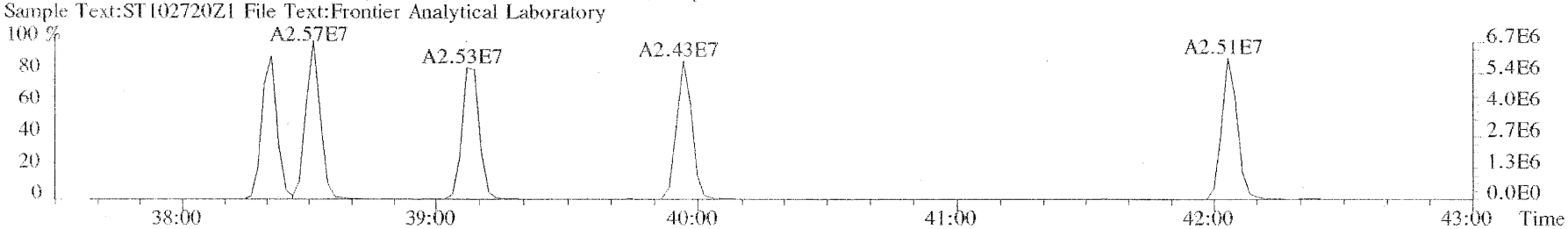
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



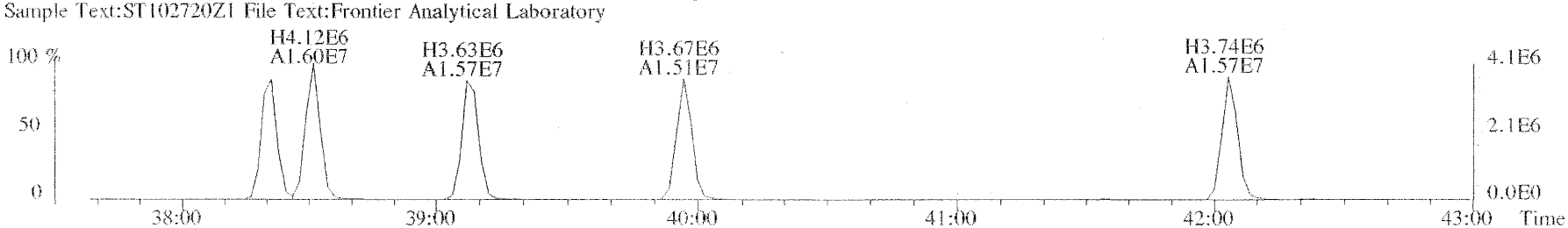
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



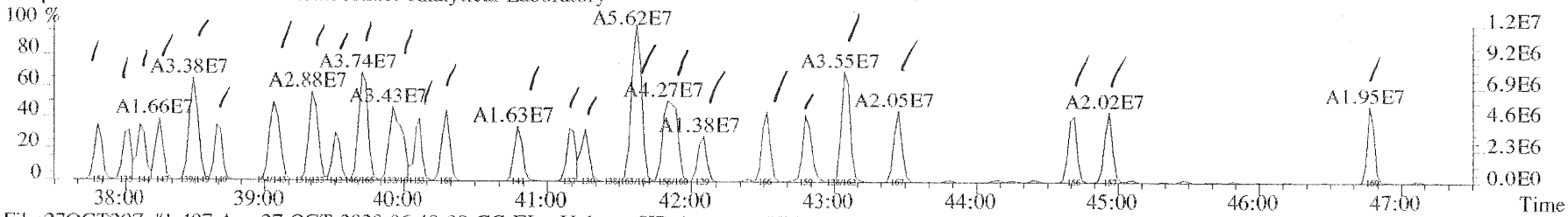
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



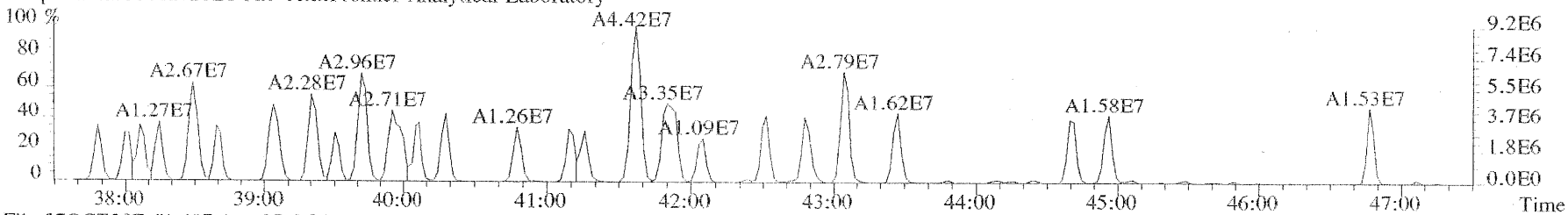
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



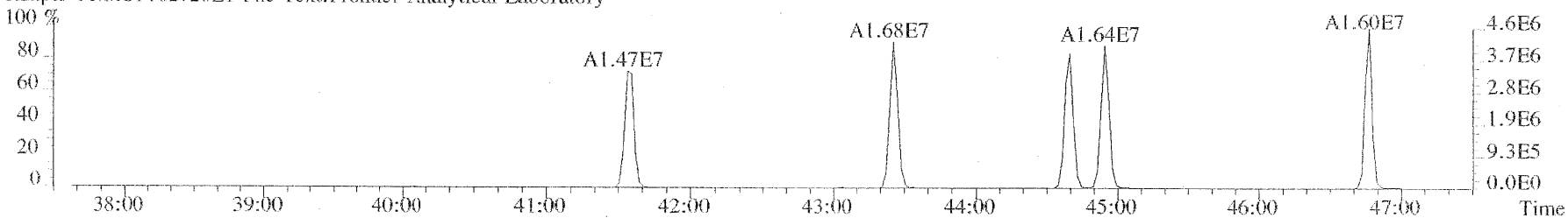
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



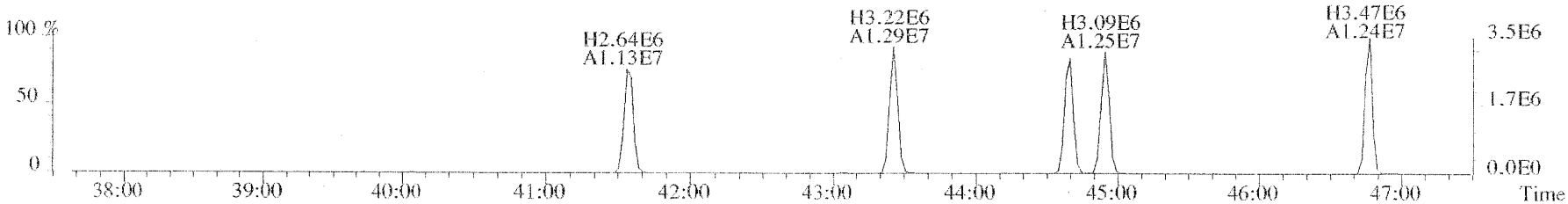
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



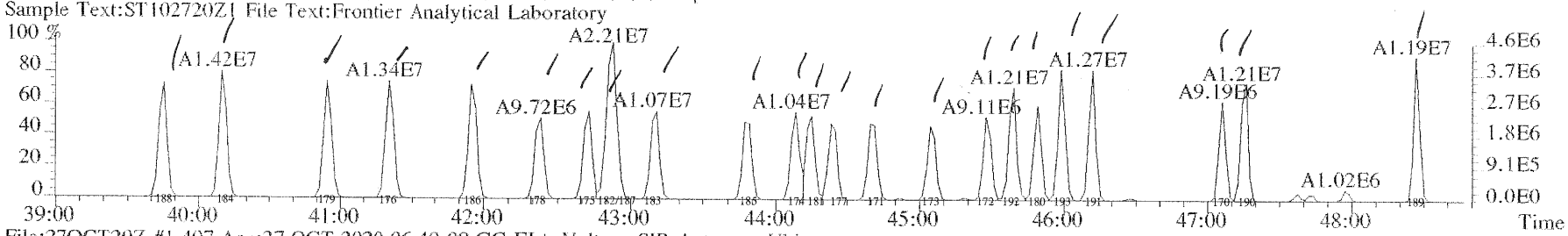
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



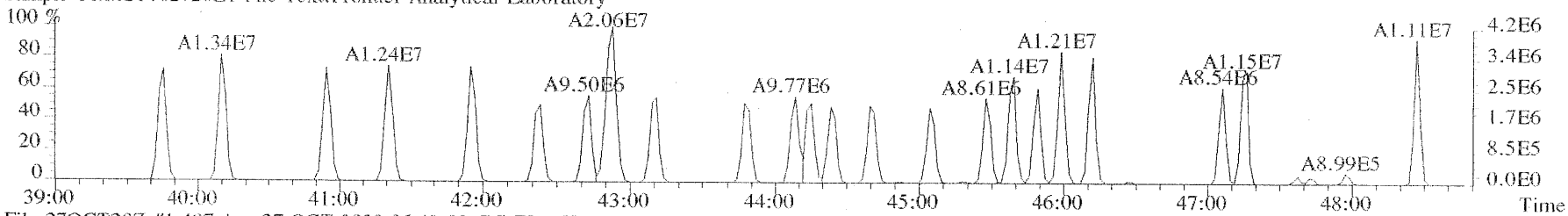
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



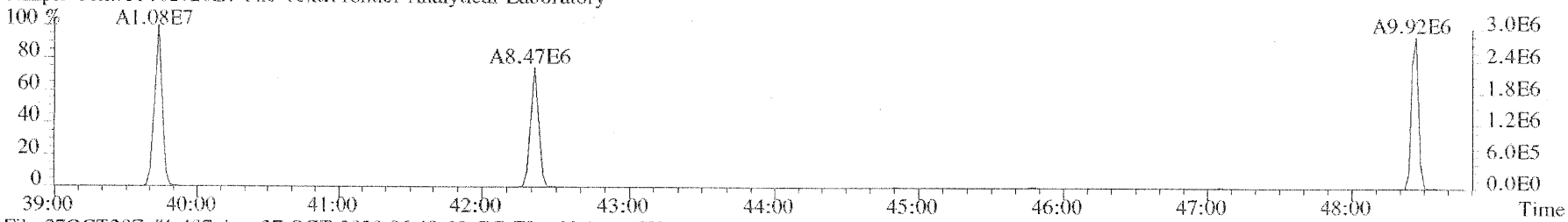
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



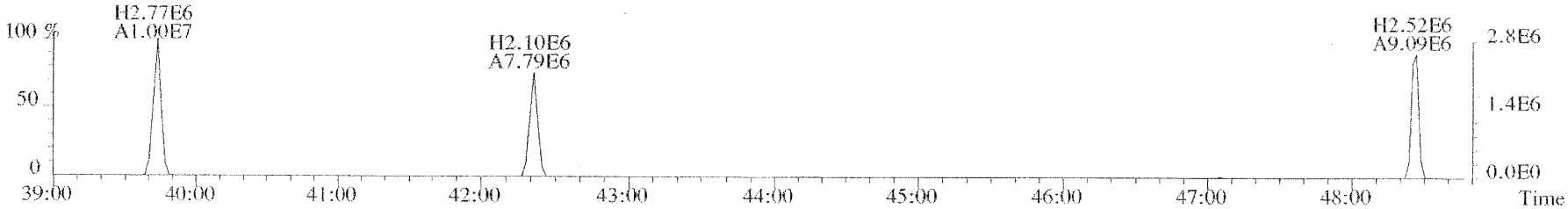
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



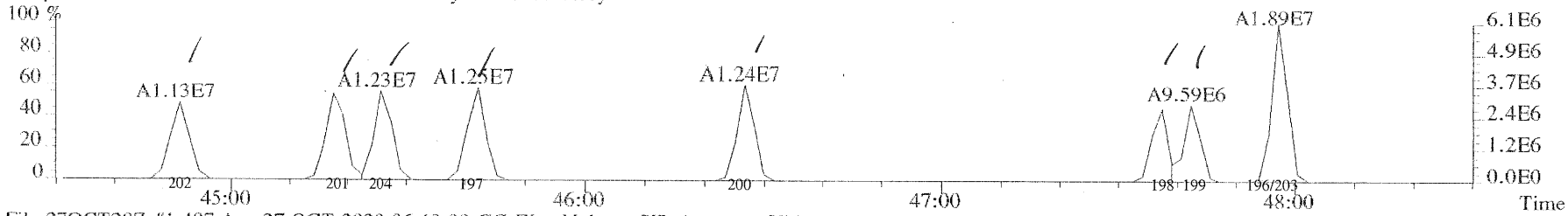
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



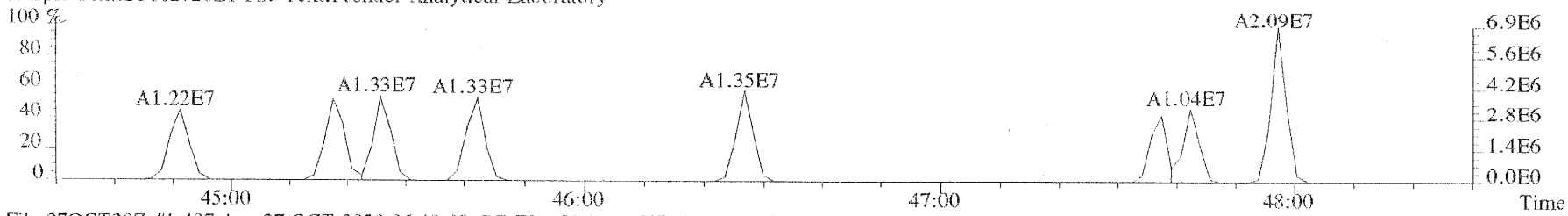
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



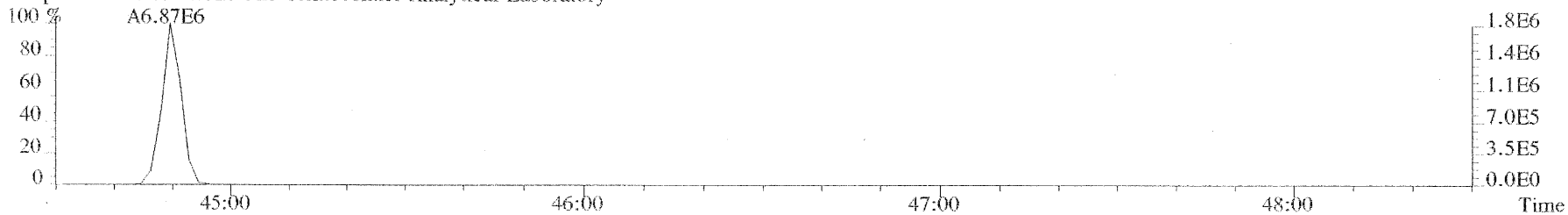
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



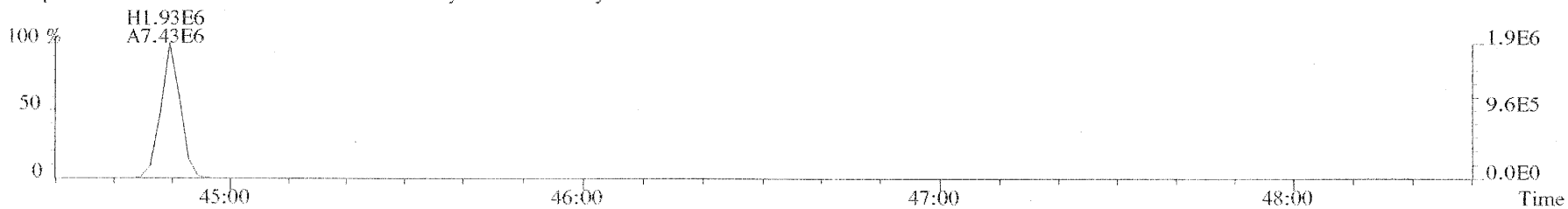
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



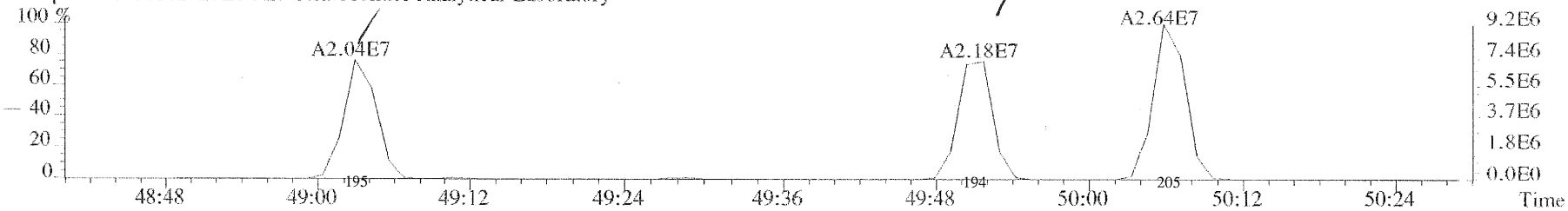
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



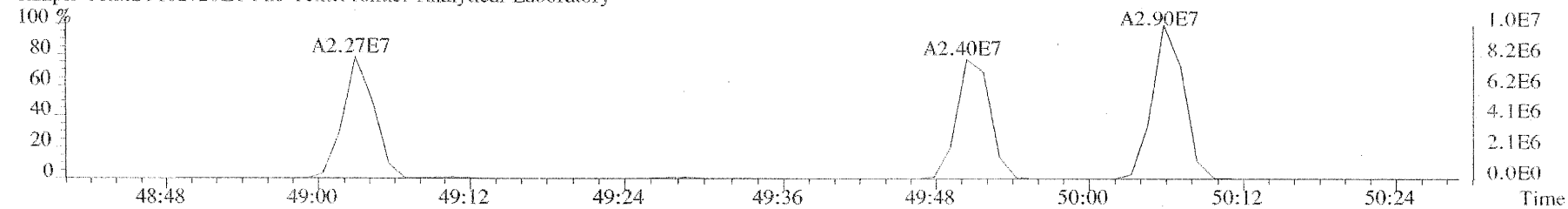
File:27OCT20Z #1-407 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



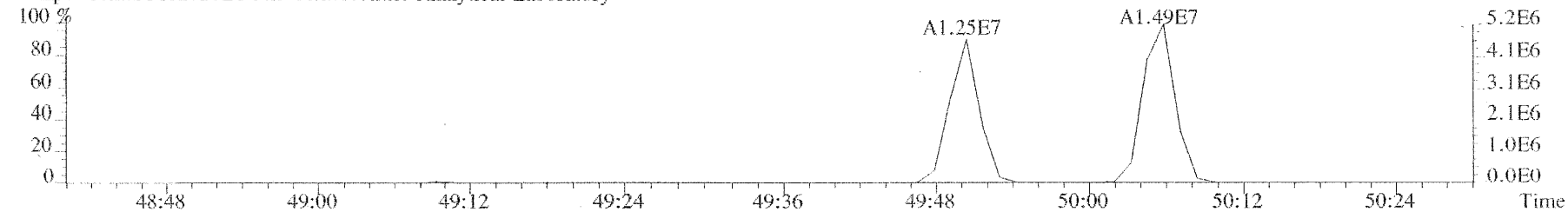
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



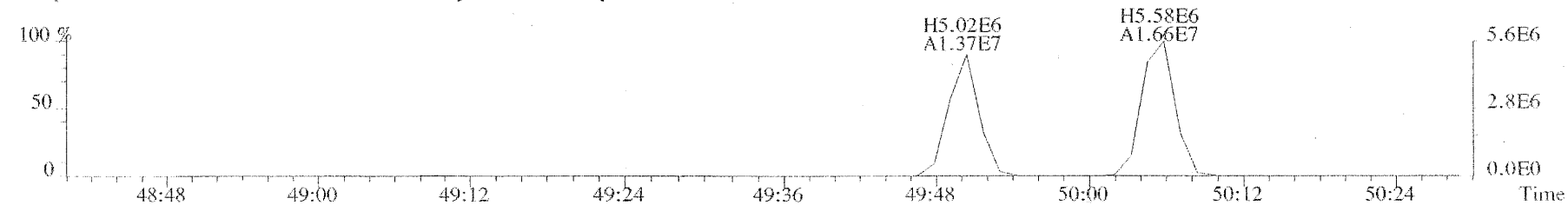
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



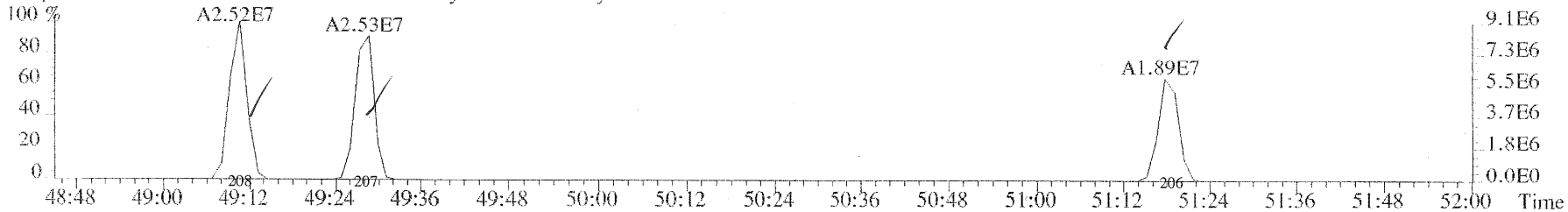
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



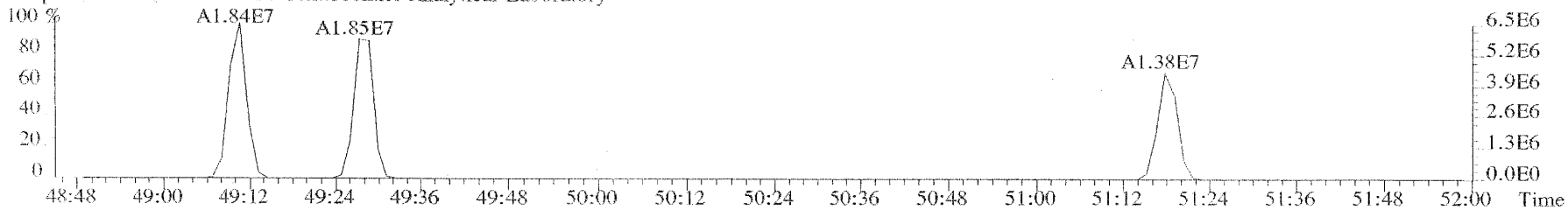
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



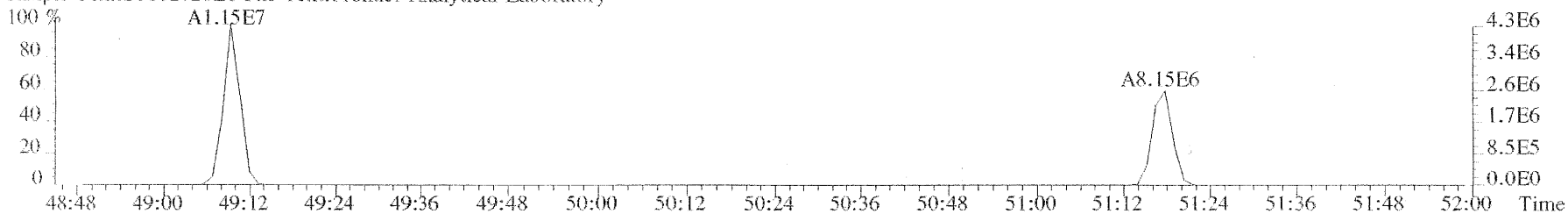
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



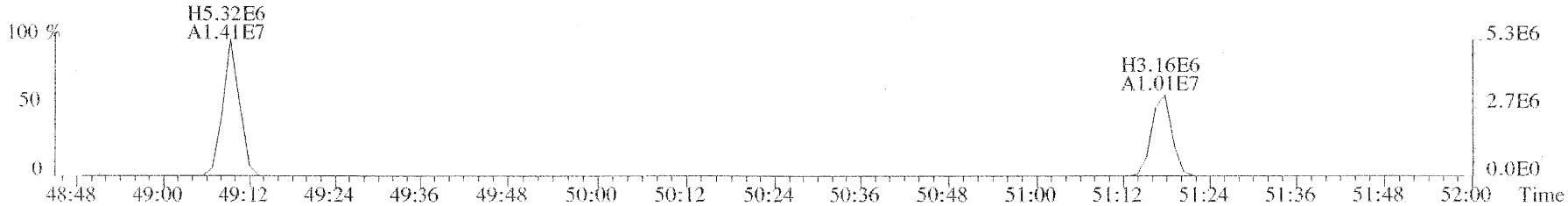
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



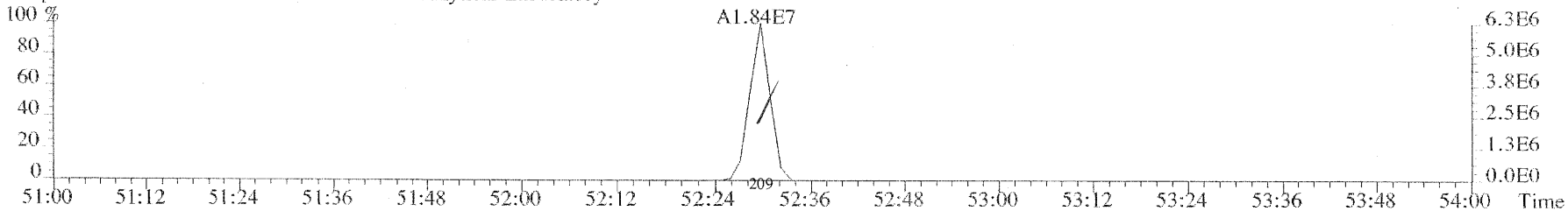
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



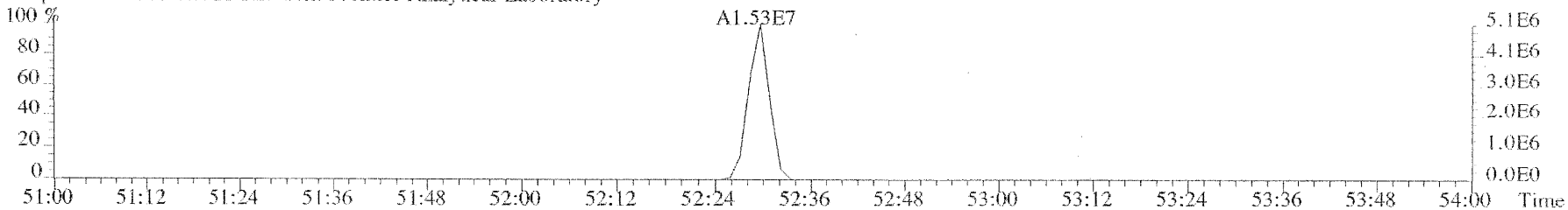
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



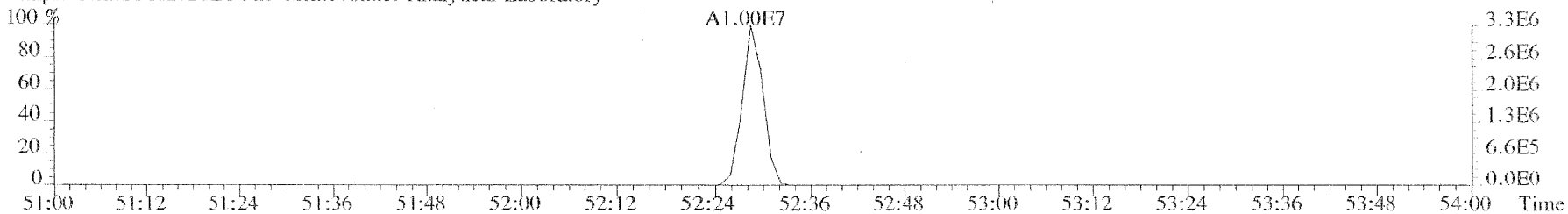
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



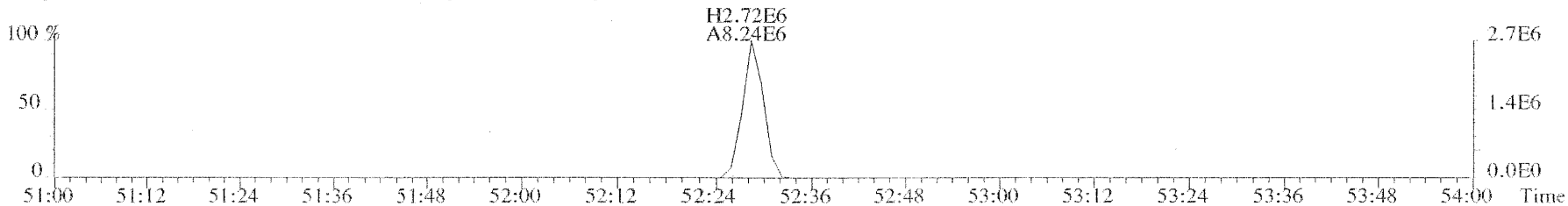
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory



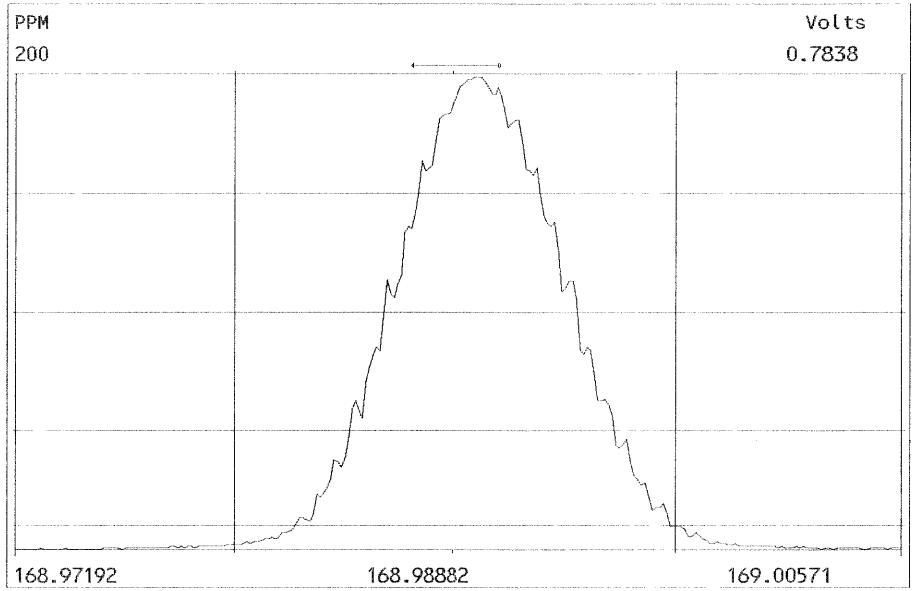
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

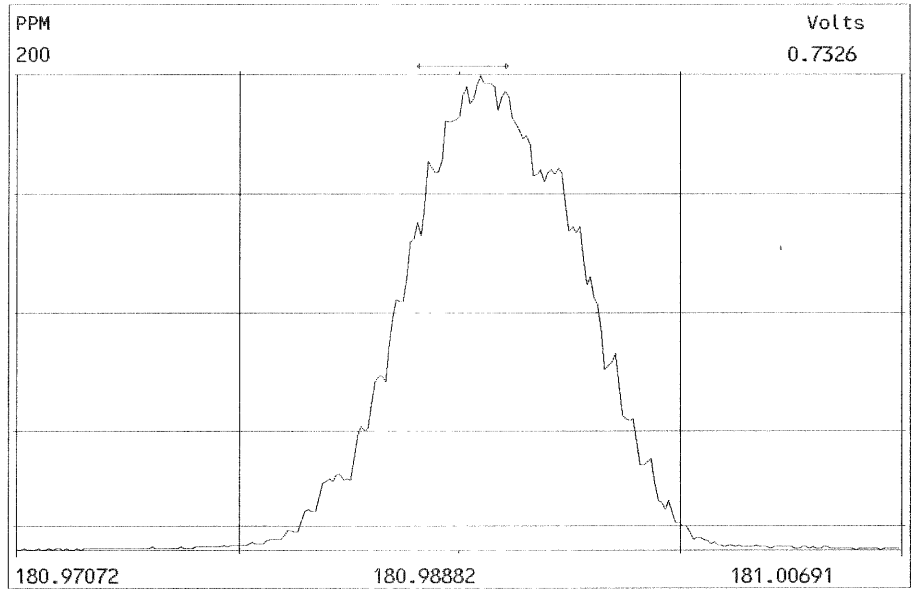


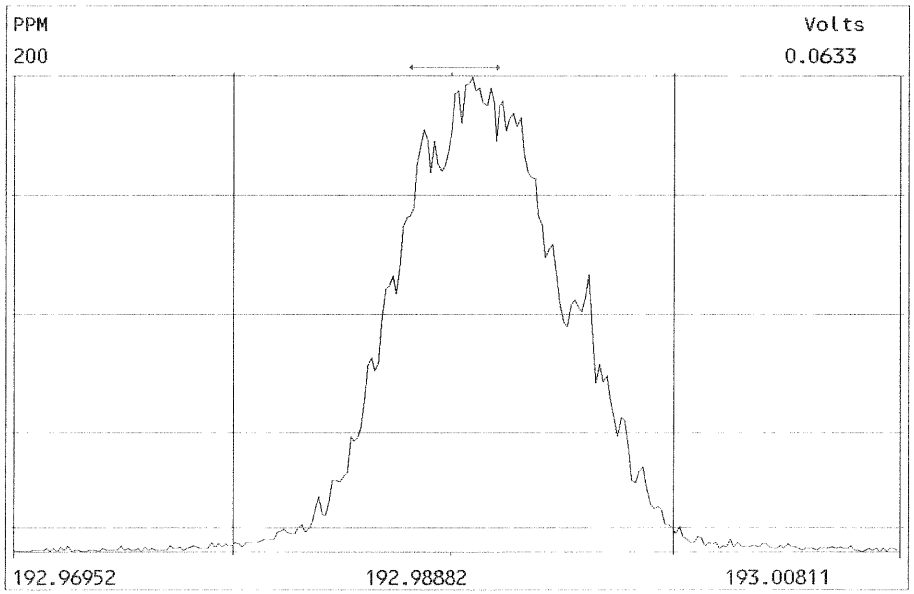
File:27OCT20Z #1-314 Acq:27-OCT-2020 06:40:09 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z1 File Text:Frontier Analytical Laboratory

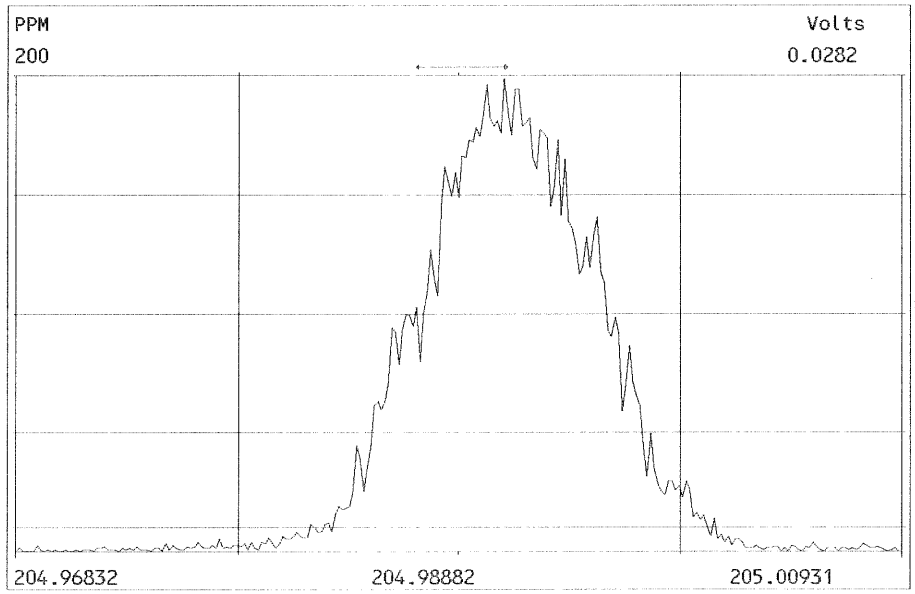


Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

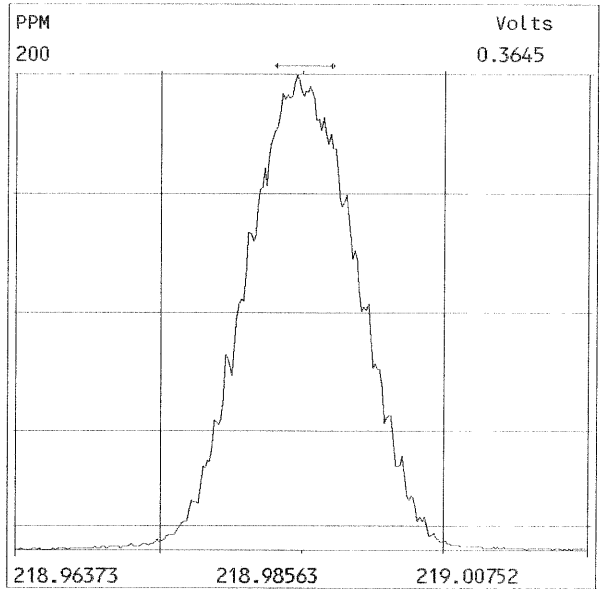


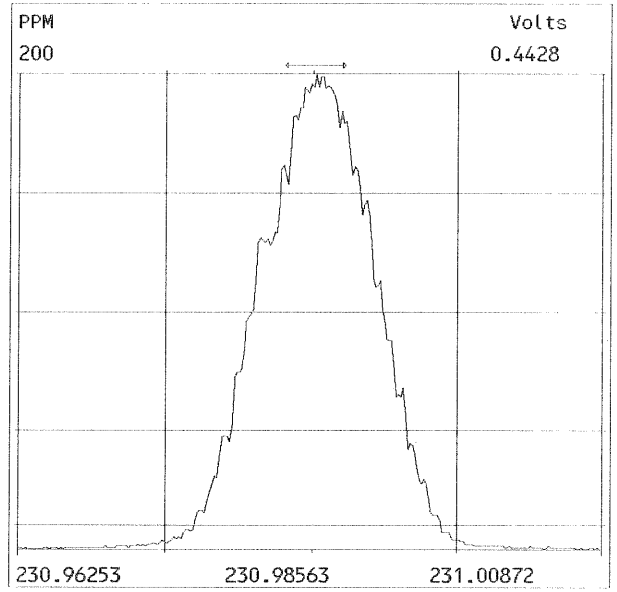


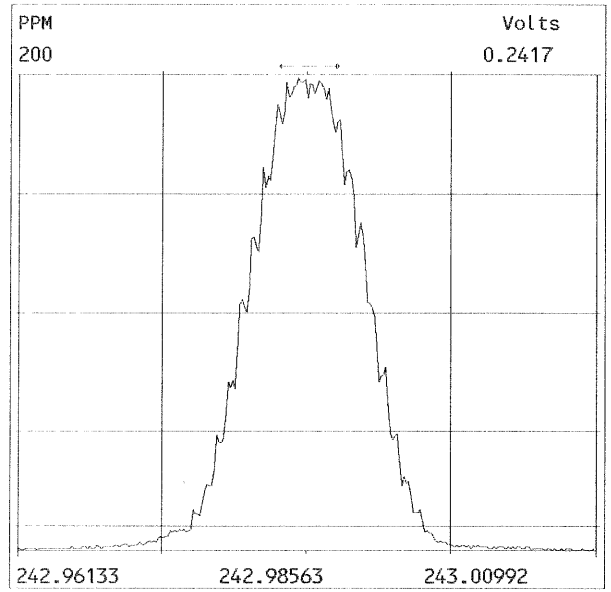


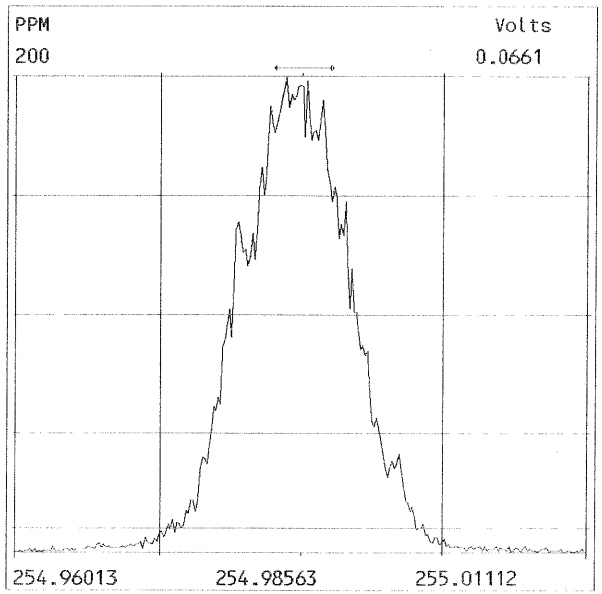


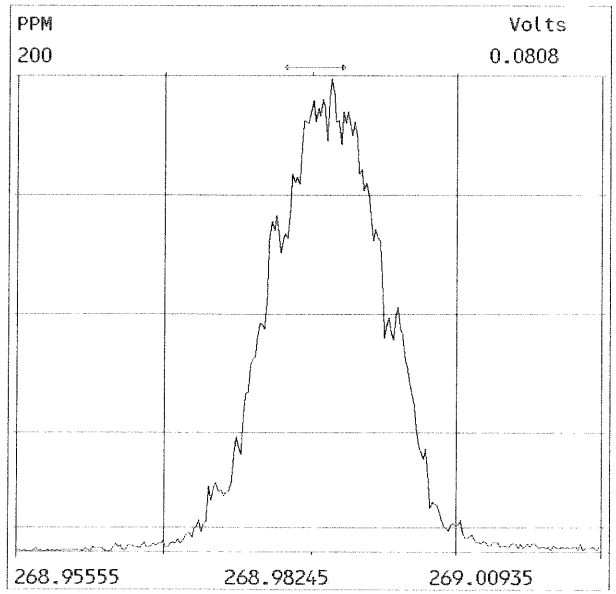
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

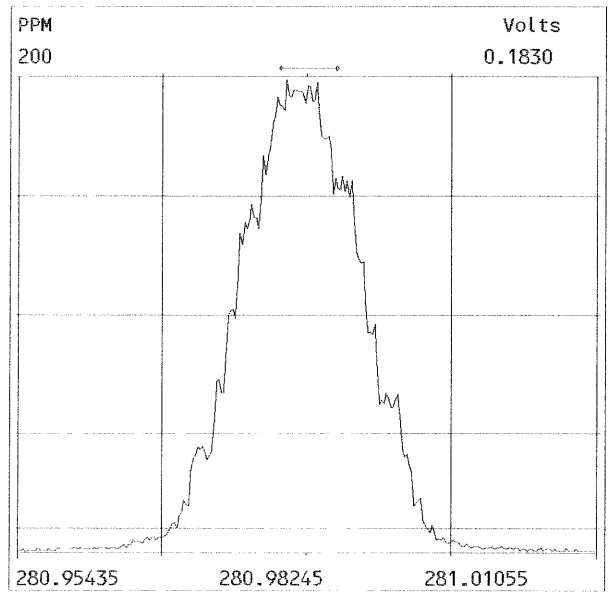




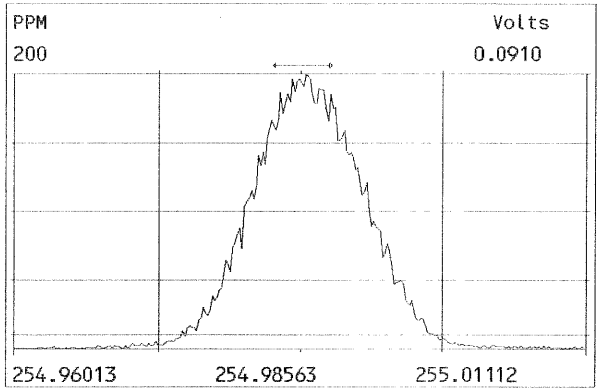


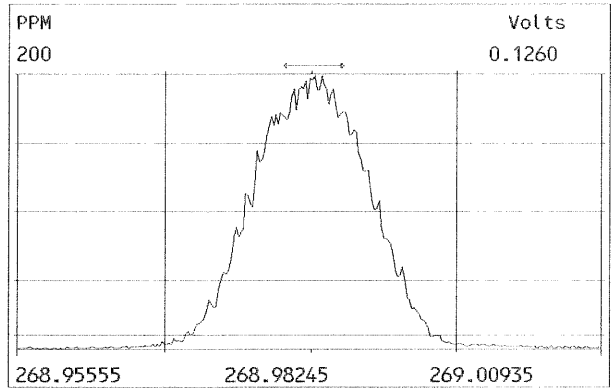


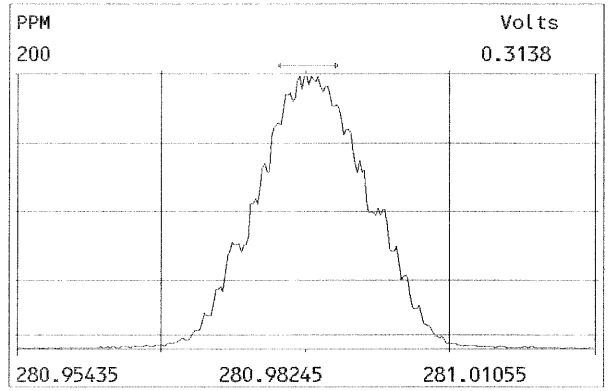


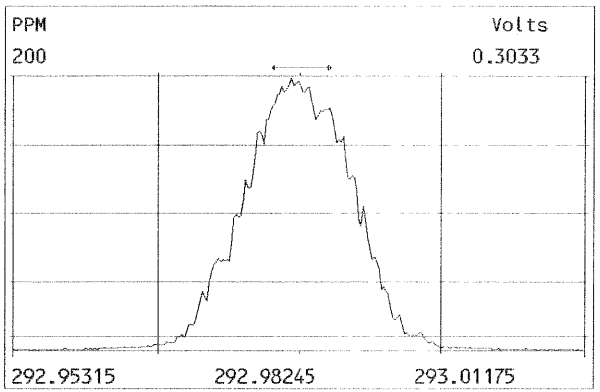


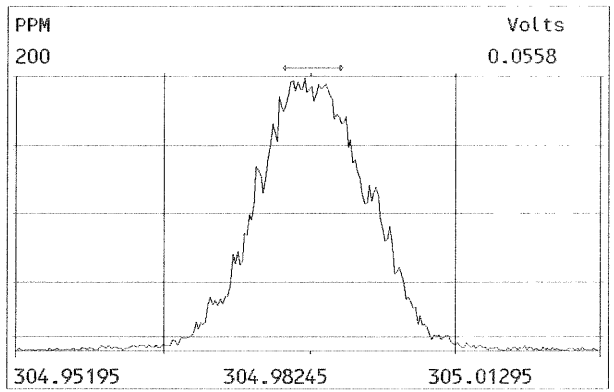
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

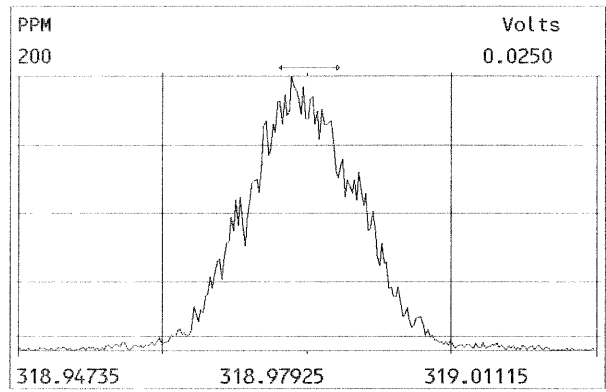


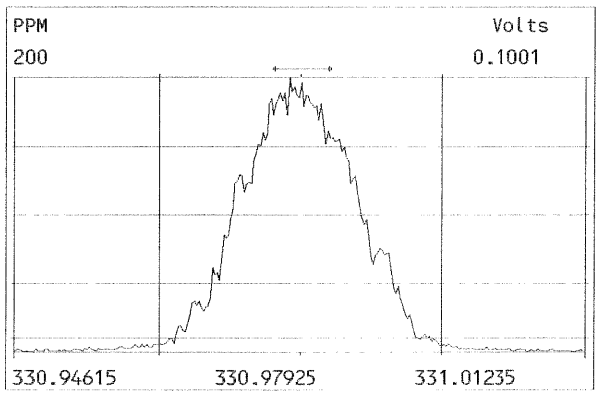


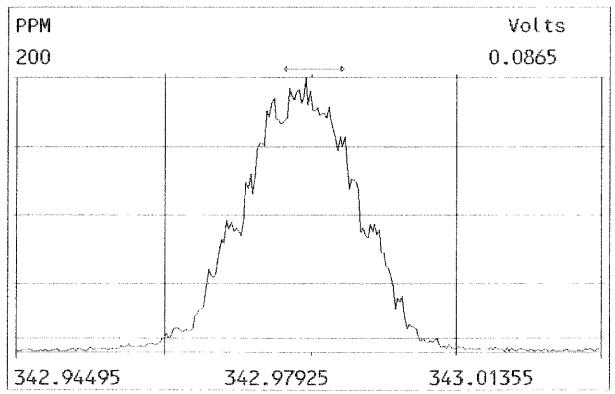




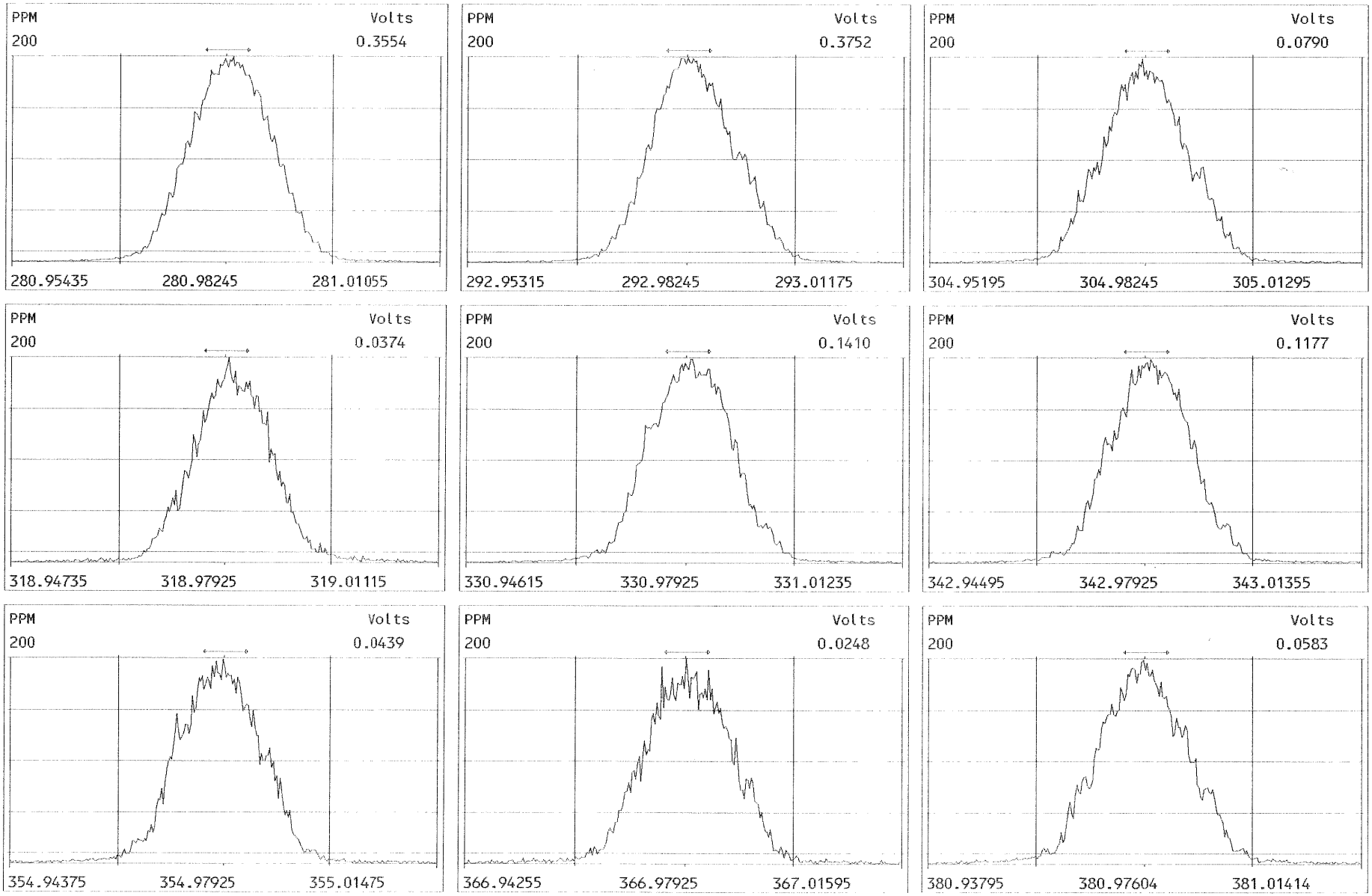




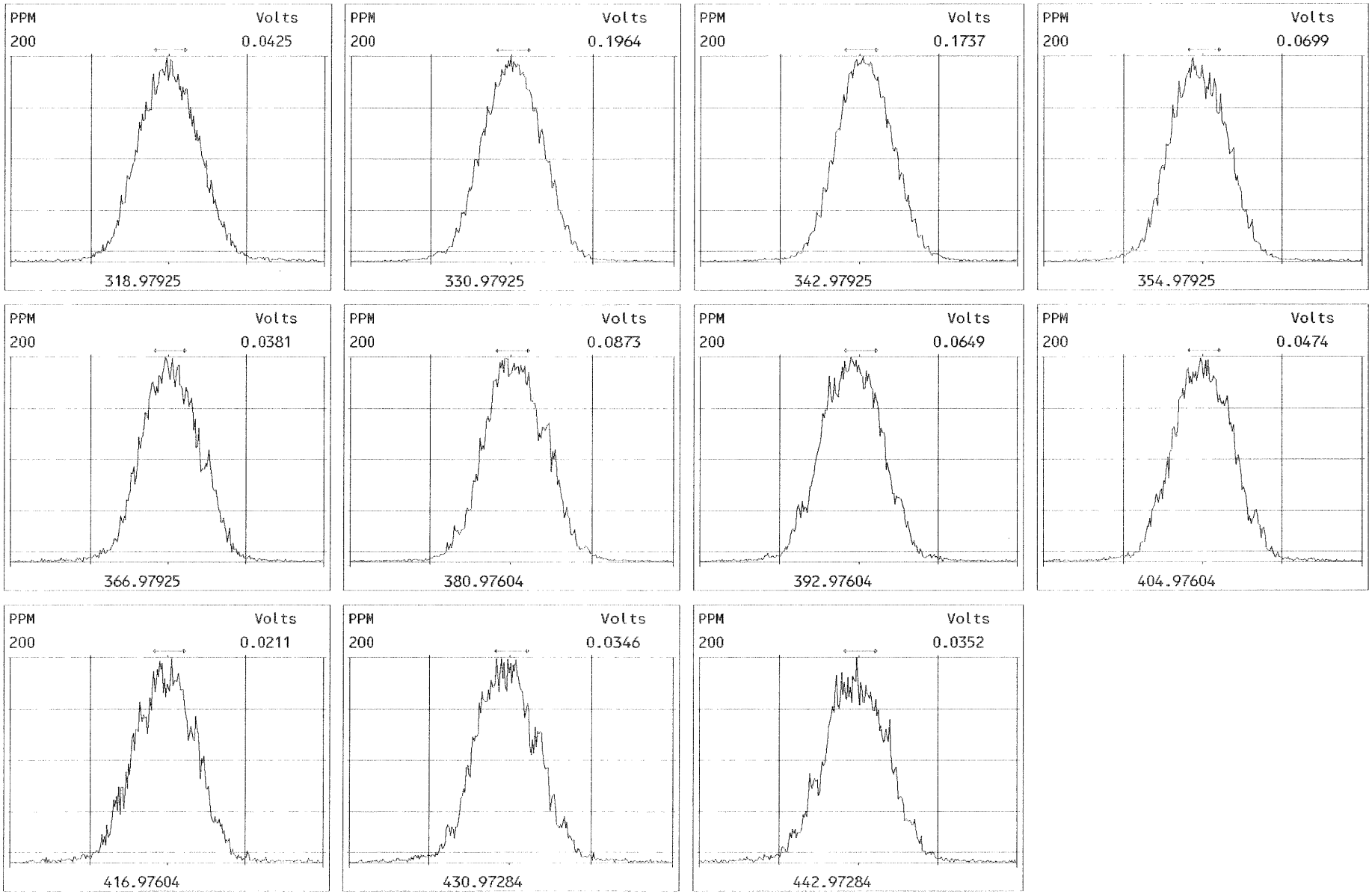




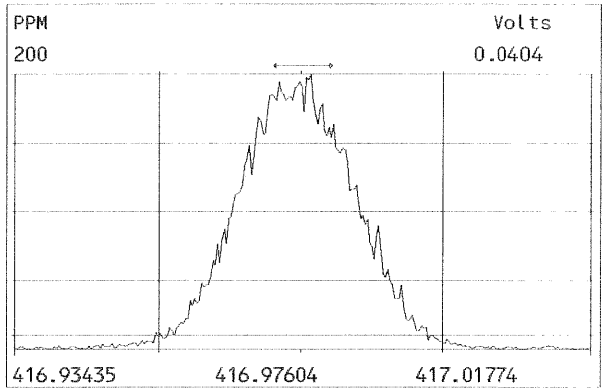
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

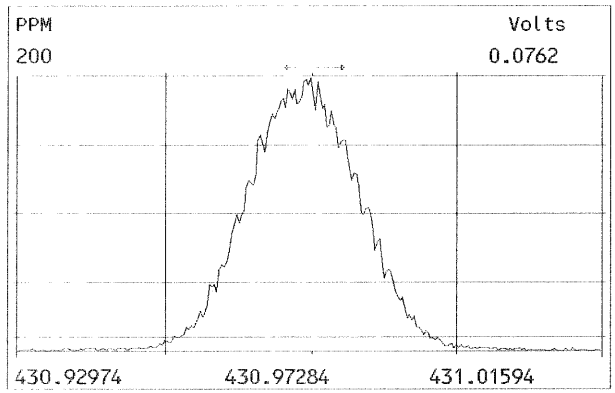


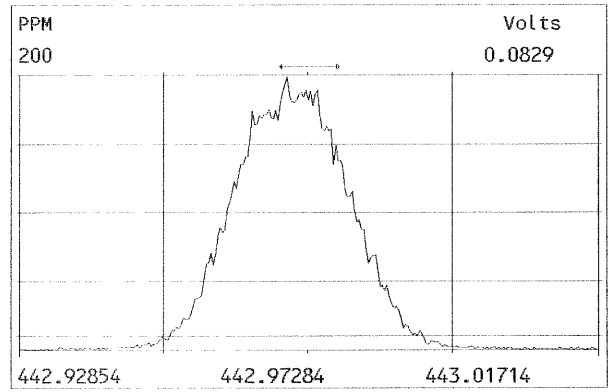
Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

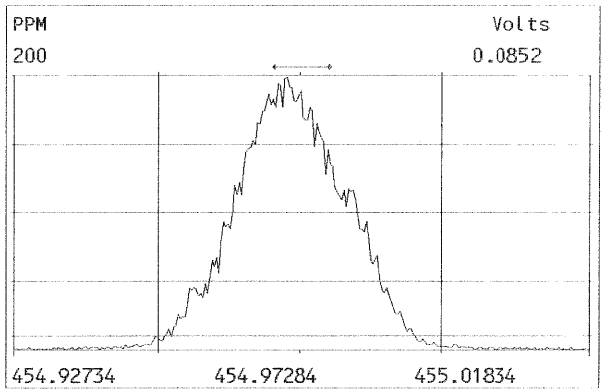


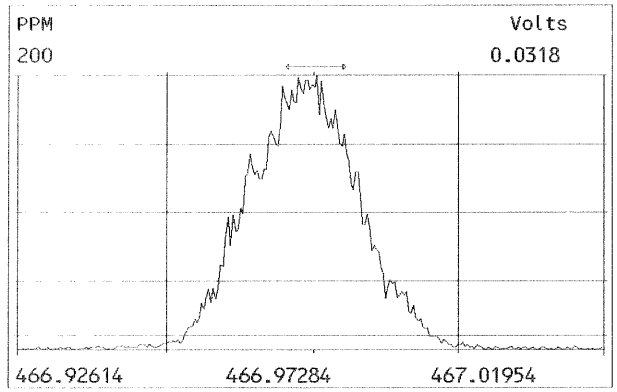
Peak Locate Examination:27-OCT-2020:20:58 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

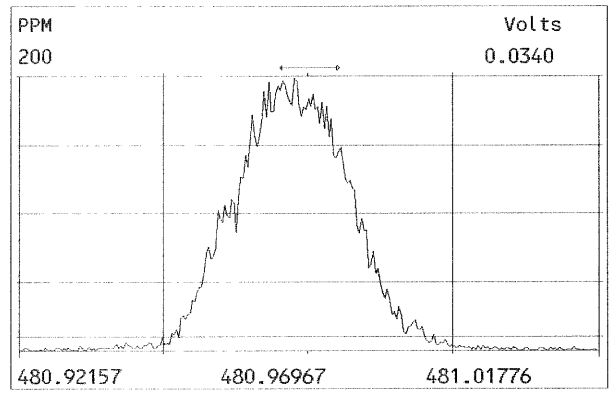


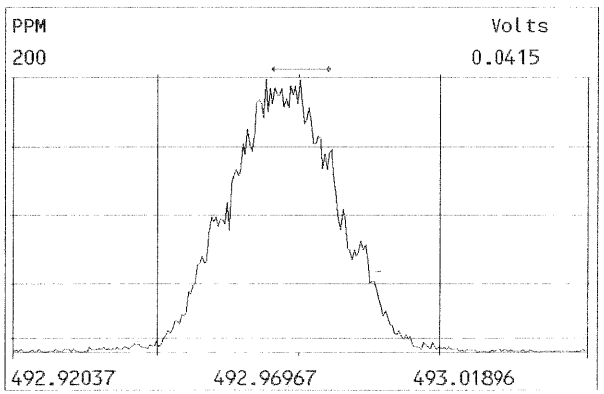


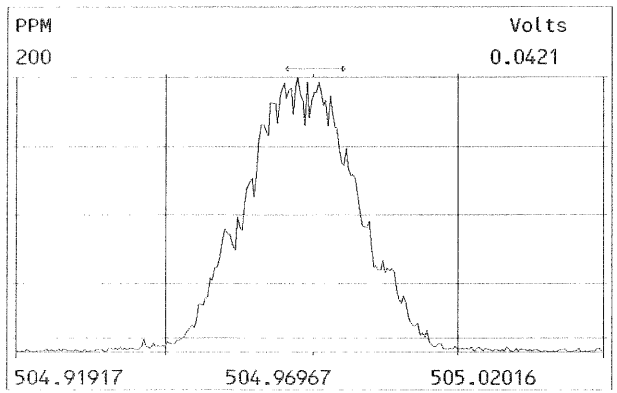


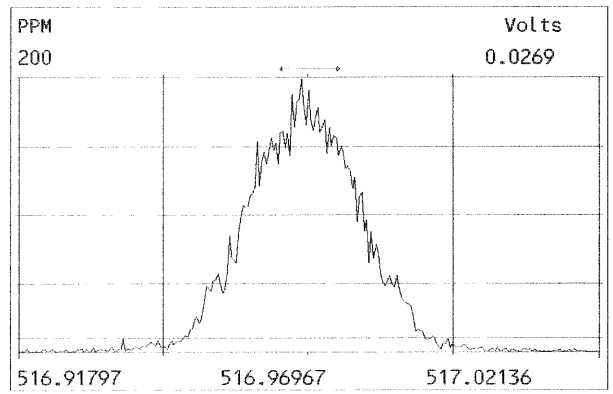












Frontier Analytical Laboratory

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: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.26	2.66-3.60	y	62.1	37.5 - 62.5
PCB-3	M/M+2	3.19	2.66-3.60	y	60.6	37.5 - 62.5
PCB-4	M/M+2	1.42	1.33-1.79	y	55.1	37.5 - 62.5
PCB-15	M/M+2	1.63	1.33-1.79	y	59.1	37.5 - 62.5
PCB-19	M/M+2	1.13	0.88-1.20	y	60.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	54.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	114	75.0 - 125
PCB-77	M/M+2	0.83	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.62	1.32-1.78	y	117	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	117	75.0 - 125
PCB-118	M+2/M+4	1.56	1.32-1.78	y	208	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	1.57	1.32-1.78	y	113	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	114	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	118	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	118	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	114	75.0 - 125
PCB-169	M+2/M+4	1.29	1.05-1.43	y	113	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	119	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	115	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	185	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	156	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	1.36	1.13-1.53	y	168	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	166	112.5 - 187.5

Analyst: _____ Date: 10/30/20

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: 27OCT20Z Sam:14 Analysis Date: 27-OCT-20 19:18:44

	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	3.30	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	71.6	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	98.4	50.0 - 145
13C-PCB-15	M/M+2	1.59	1.33-1.79	y	82.5	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	67.6	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	90.2	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	94.2	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	110	50.0 - 145
13C-PCB-104	M+2/M+4	1.62	1.32-1.78	y	71.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	115	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	1.60	1.32-1.78	y	109	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	114	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	78.5	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	99.4	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	99.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	92.5	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	99.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	71.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	80.7	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	51.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	85.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	82.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.82	0.65-0.89	y	77.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	67.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	114	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	103	75.0 - 125
13C-PCB-178	M+2/M+4	1.18	0.89-1.21	y	75.5	75.0 - 125

Analyst: _____ Date: 10/30/20

FAL ID: ST10272022 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10272021 EndCal: ST10272022
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.38e+07	3.26 y	14:34	1.21	62.1		2.50	-	-	*	-
13C-PCB-1	4.49e+07	3.30 y	14:33	0.90	81.2		2.50				81.2
PCB-3	3.05e+07	3.19 y	16:59	1.23	60.6		2.50	-	-	*	-
13C-PCB-3	4.10e+07	3.31 y	16:58	0.93	71.6		2.50				71.6
PCB-4	2.51e+07	1.42 y	18:13	1.14	55.1		2.50	-	-	*	-
13C-PCB-4	3.99e+07	1.60 y	18:12	0.66	98.4		2.50				98.4
PCB-15	3.56e+07	1.63 y	23:45	1.09	59.1		2.50	-	-	*	-
13C-PCB-15	5.51e+07	1.59 y	23:43	1.09	82.5		2.50				82.5
PCB-19	1.54e+07	1.13 y	22:06	1.21	60.4		2.50	-	-	*	-
13C-PCB-19	2.10e+07	1.14 y	22:04	0.50	67.6		2.50				67.6
13C-PCB-9	6.15e+07	1.61 y	19:53	-	60.3		2.50				
PCB-37	2.51e+07	1.10 y	30:23	1.14	54.3		2.50	-	-	*	-
13C-PCB-37	4.03e+07	1.04 y	30:22	1.64	90.2		2.50				90.2
PCB-54	4.39e+07	0.78 y	25:39	1.18	114		2.50	-	-	*	-
13C-PCB-54	3.25e+07	0.82 y	25:37	1.26	94.2		2.50				94.2
PCB-104	2.60e+07	1.62 y	30:04	1.12	117		2.50	-	-	*	-
13C-PCB-104	1.98e+07	1.62 y	30:03	1.02	71.2		2.50				71.2
13C-PCB-28	5.39e+07	1.09 y	26:41	1.73	114		2.50				114
13C-PCB-52	2.73e+07	0.82 y	28:57	-	51.3		2.50				
PCB-81	5.41e+07	0.82 y	36:08	1.13	124		2.50	-	-	*	-
13C-PCB-81	3.86e+07	0.79 y	36:07	1.57	110		2.50				110
PCB-77	4.77e+07	0.83 y	36:42	1.10	106		2.50	-	-	*	-
13C-PCB-77	4.10e+07	0.79 y	36:41	1.61	114		2.50				114
PCB-155	2.50e+07	1.29 y	34:13	1.13	114		2.50	-	-	*	-
13C-PCB-155	1.94e+07	1.34 y	34:12	1.10	78.5		2.50				78.5
13C-PCB-111	2.94e+07	1.63 y	36:17	1.27	103		2.50				103
13C-PCB-101	2.24e+07	1.65 y	34:38	-	47.0		2.50				
PCB-123	4.30e+07	1.61 y	38:21	1.11	103		2.50	-	-	*	-
13C-PCB-123	3.78e+07	1.60 y	38:19	1.28	109		2.50				109
PCB-118	9.91e+07	1.56 y	38:32	1.12	208		2.50	-	-	*	-
13C-PCB-118	4.24e+07	1.60 y	38:29	1.35	116		2.50				116
PCB-114	5.30e+07	1.57 y	39:08	1.13	117		2.50	-	-	*	-
13C-PCB-114	4.01e+07	1.60 y	39:07	1.29	115		2.50				115
PCB-105	5.13e+07	1.57 y	39:56	1.10	116		2.50	-	-	*	-
13C-PCB-105	4.00e+07	1.60 y	39:55	1.28	116		2.50				116
PCB-126	4.65e+07	1.57 y	42:03	1.08	113		2.50	-	-	*	-
13C-PCB-126	3.79e+07	1.58 y	42:03	1.23	114		2.50				114
PCB-167	3.88e+07	1.26 y	43:25	1.11	114		2.50	-	-	*	-
13C-PCB-167	3.06e+07	1.28 y	43:24	1.23	92.5		2.50				92.5
PCB-156	4.23e+07	1.28 y	44:39	1.13	118		2.50	-	-	*	-
13C-PCB-156	3.18e+07	1.30 y	44:38	1.19	99.4		2.50				99.4
PCB-157	4.14e+07	1.27 y	44:54	1.08	118		2.50	-	-	*	-
13C-PCB-157	3.25e+07	1.31 y	44:52	1.21	99.4		2.50				99.4
PCB-169	3.83e+07	1.29 y	46:46	1.08	113		2.50	-	-	*	-
13C-PCB-169	3.14e+07	1.30 y	46:44	1.17	99.6		2.50				99.6
PCB-188	2.84e+07	1.05 y	39:43	1.10	119		2.50	-	-	*	-
13C-PCB-188	2.17e+07	1.08 y	39:41	1.13	71.4		2.50				71.4
PCB-189	2.58e+07	1.09 y	48:26	1.07	115		2.50	-	-	*	-
13C-PCB-189	2.10e+07	1.08 y	48:25	0.97	80.7		2.50				80.7
PCB-202	2.52e+07	0.96 y	44:49	1.03	185		2.50	-	-	*	-
13C-PCB-202	1.32e+07	0.95 y	44:49	0.96	51.3		2.50				51.3
13C-PCB-178	1.58e+07	1.18 y	42:19	0.78	75.5		2.50				75.5
13C-PCB-138	2.70e+07	1.28 y	41:33	-	56.1		2.50				

FAL ID: ST102720Z2 Filename: 27OCT20Z Sam:14 Acquired: 27-OCT-20 19:18:44 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST102720Z1 EndCal: ST102720Z2
Results: 28OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.02e+07	0.92	y	50:05	1.09	156	2.50	-	-	*	-
13C-PCB-205	3.55e+07	0.89	y	50:04	1.32	85.7	2.50				85.7
PCB-208	5.69e+07	1.36	y	49:09	1.01	168	2.50	-	-	*	-
13C-PCB-208	3.36e+07	0.82	y	49:09	1.38	77.5	2.50				77.5
PCB-206	4.22e+07	1.35	y	51:17	1.04	166	2.50	-	-	*	-
13C-PCB-206	2.45e+07	0.81	y	51:16	0.94	82.9	2.50				82.9
PCB-209	4.42e+07	1.20	y	52:28	1.13	166	2.50	-	-	*	-
13C-PCB-209	2.36e+07	1.21	y	52:28	1.10	67.9	2.50				67.9
13C-PCB-194	3.15e+07	0.91	y	49:49	-	82.7	2.50				

Analyst: [illegible] Date: 10/30/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:27OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

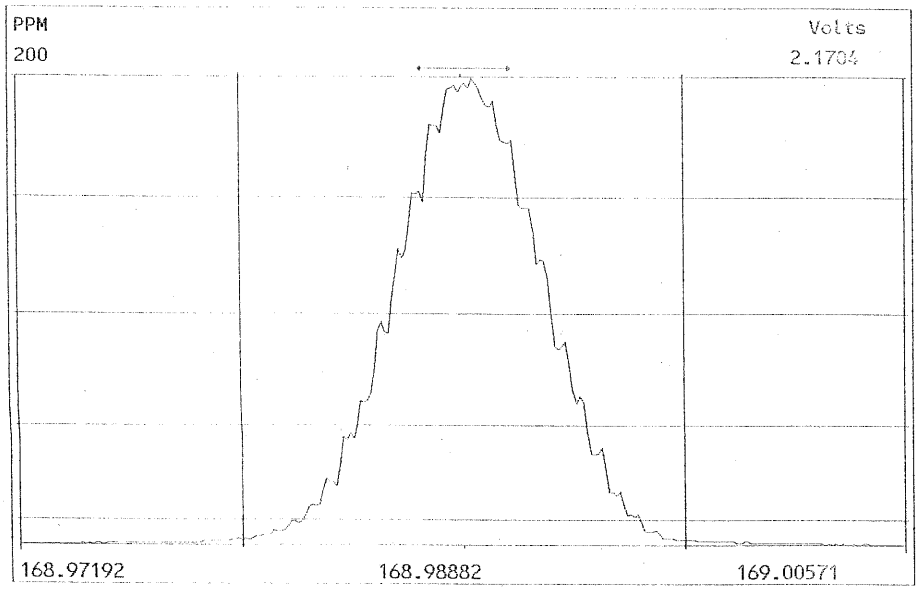
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
27OCT20Z	1	ST102720Z1	CS209 200406A	27-OCT-20 06:40:09	ST102720Z1	ST102720Z2	BS
27OCT20Z	2	QC102720Z1	DANQC	27-OCT-20 07:38:29	ST102720Z1	ST102720Z2	BS
27OCT20Z	3	05495-001-0001-OPR	OPR	27-OCT-20 08:36:51	ST102720Z1	ST102720Z2	BS
27OCT20Z	4	05495-001-0001-MB	Method Blank	27-OCT-20 09:35:12	ST102720Z1	ST102720Z2	BS
27OCT20Z	5	13373-013-0001-SA	LDW-Y3-SU-S010-TB	27-OCT-20 10:33:33	ST102720Z1	ST102720Z2	BS
27OCT20Z	6	13373-014-0001-SA	LDW-Y3-LBS-WAT-S010-SPME	27-OCT-20 11:31:54	ST102720Z1	ST102720Z2	BS
27OCT20Z	7	13237-001-0001-SA	LDW-Y3-SU-ENR-CA-CORE	27-OCT-20 12:30:15	ST102720Z1	ST102720Z2	BS
27OCT20Z	8	13237-002-0001-SA	LDW-Y3-SU-ENR-CB-CORE	27-OCT-20 13:28:37	ST102720Z1	ST102720Z2	BS
27OCT20Z	9	13237-003-0001-SA	LDW-Y3-SU-ENR-CC-CORE	27-OCT-20 14:26:58	ST102720Z1	ST102720Z2	BS
27OCT20Z	10	13237-006-0001-SA	LDW-Y3-SU-ENR+AC-CA-CORE	27-OCT-20 15:25:19	ST102720Z1	ST102720Z2	BS
27OCT20Z	11	13237-008-0001-SA	LDW-Y3-SU-ENR+AC-CC-CORE	27-OCT-20 16:23:40	ST102720Z1	ST102720Z2	BS
27OCT20Z	12	13237-009-0001-SA	LDW-Y3-SU-ENR+AC-CD-CORE	27-OCT-20 17:22:02	ST102720Z1	ST102720Z2	BS
27OCT20Z	13	SB102720Z1	Solvent Blank	27-OCT-20 18:20:23	ST102720Z1	ST102720Z2	BS
27OCT20Z	14	ST102720Z2	CS209 200406A	27-OCT-20 19:18:44	ST102720Z1	ST102720Z2	BS

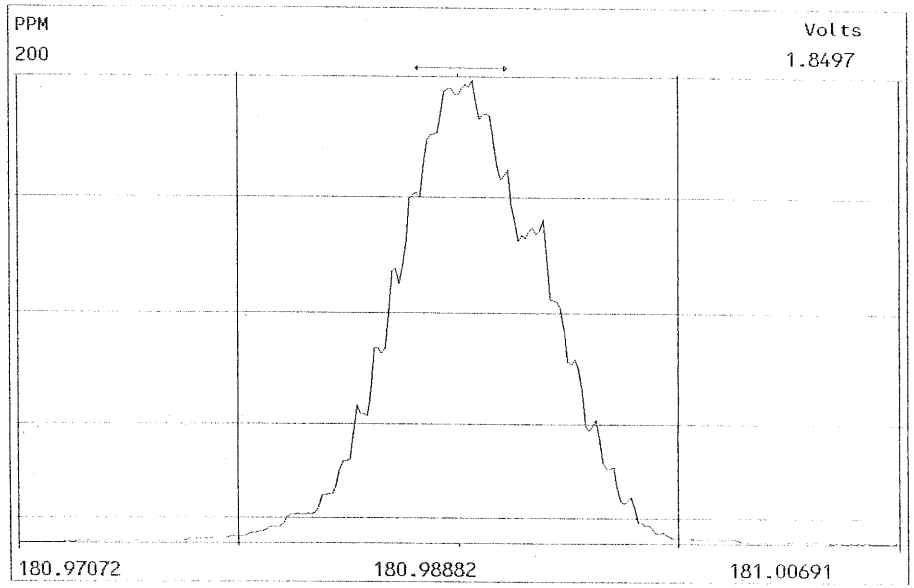
10/28/20

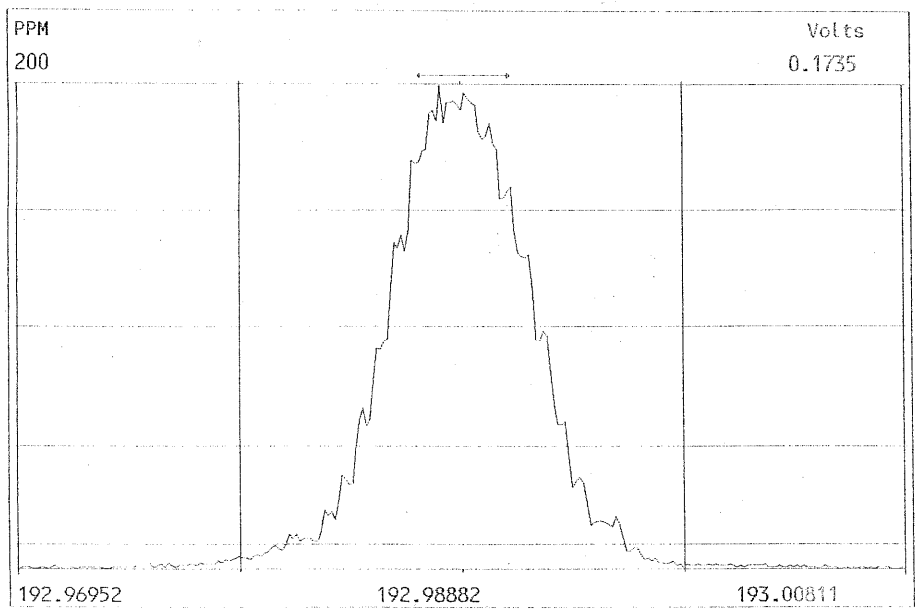
Data Backed Up:_____

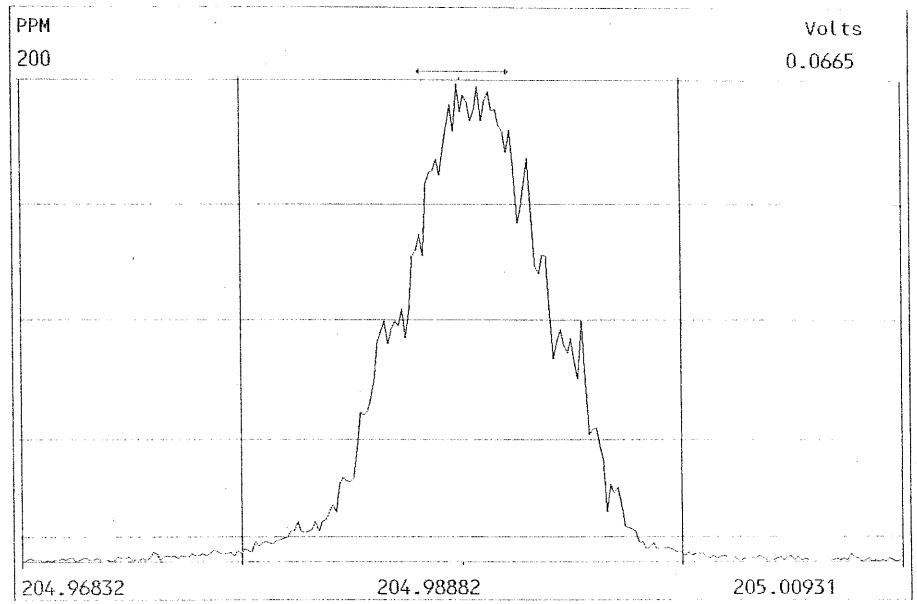
Date:_____

Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z
Experiment:1668PCB Function:1 Reference:PFK



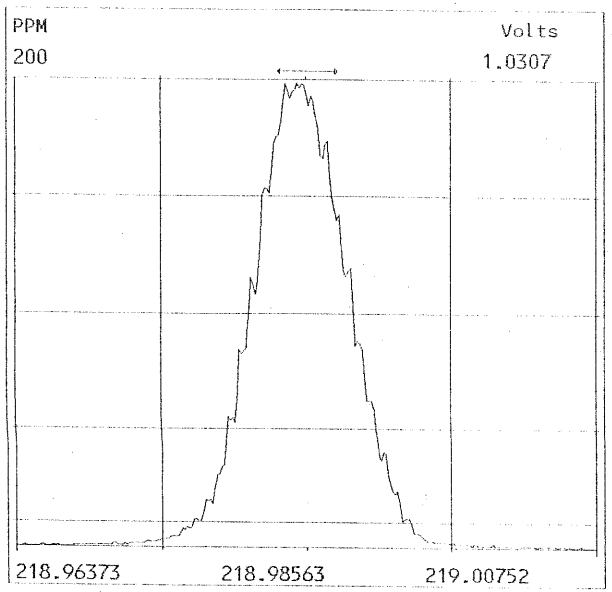


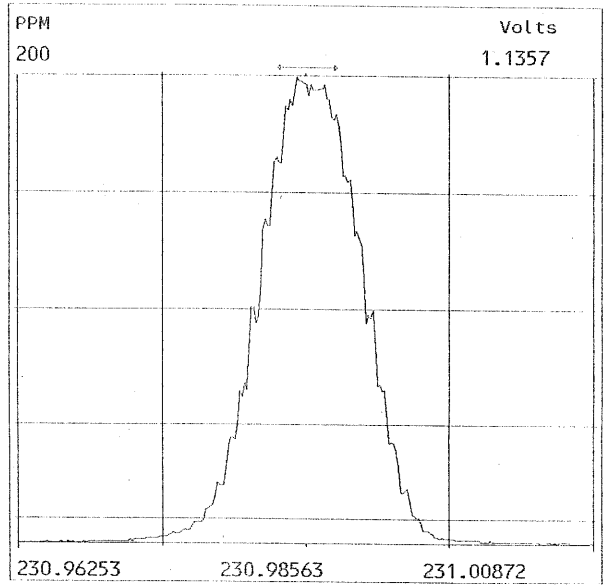


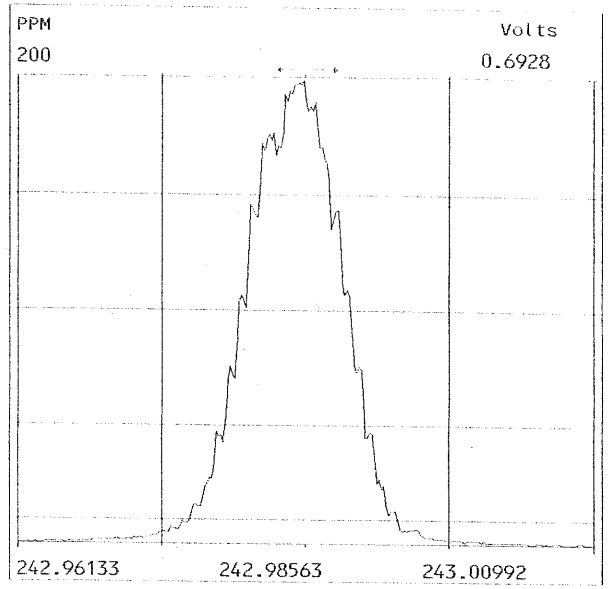


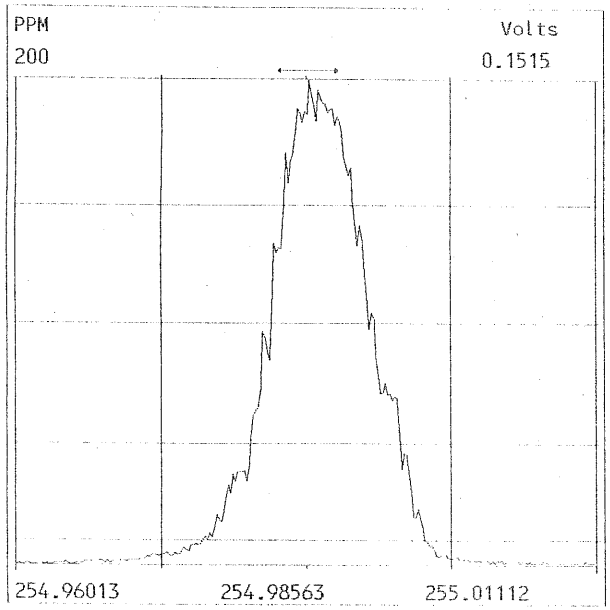
Peak Locate Examination:27-OCT-2020:06:36 File:27OCT20Z

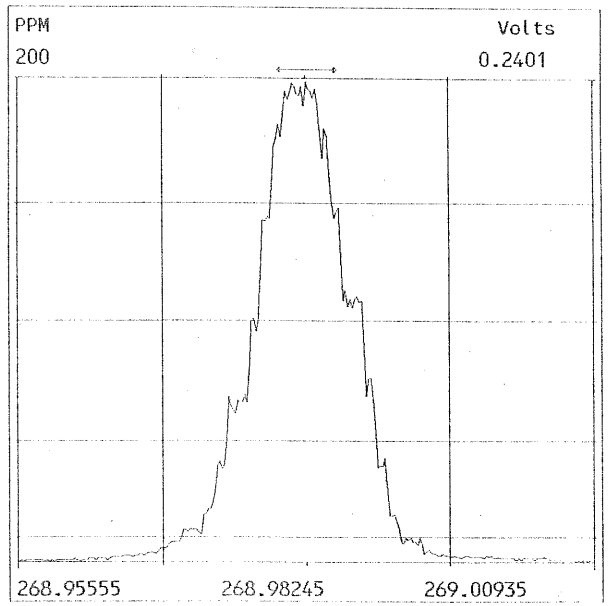
Experiment:1668PCB Function:2 Reference:PFK

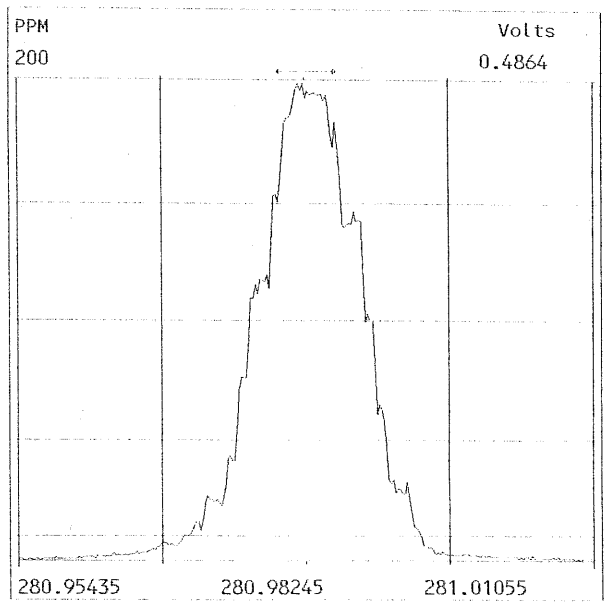




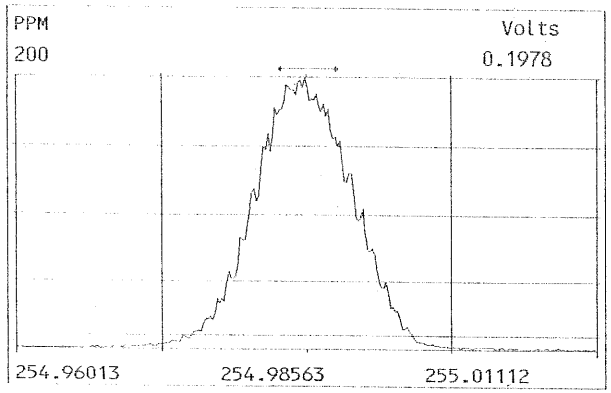


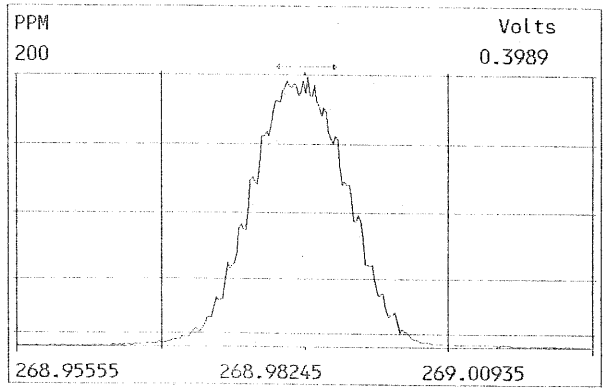


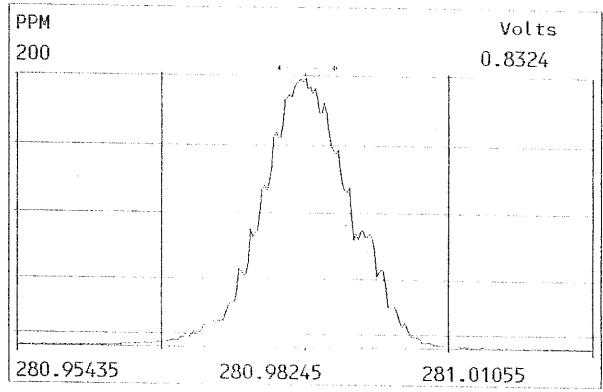


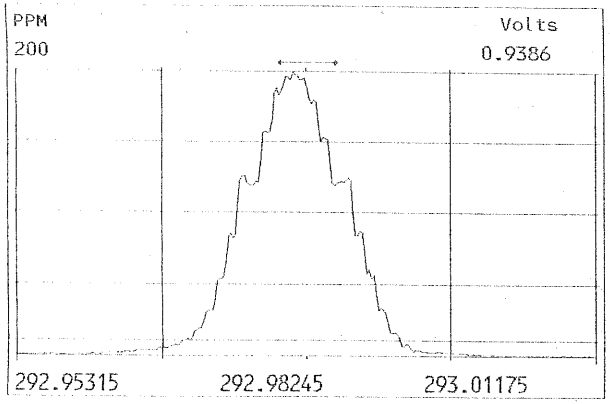


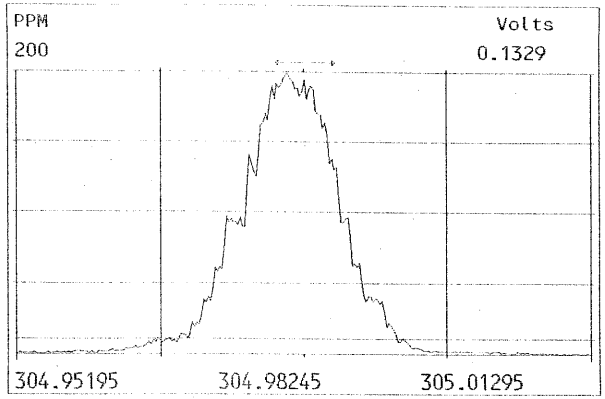
Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

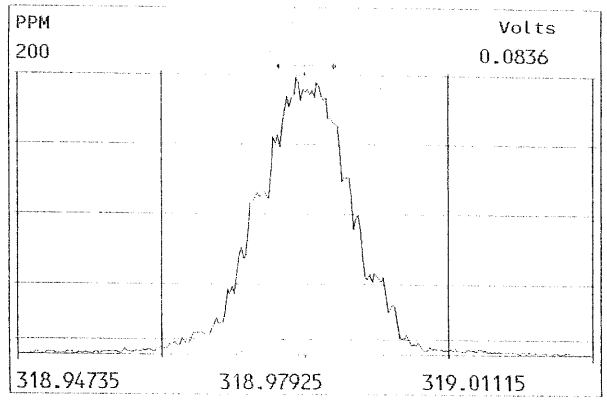


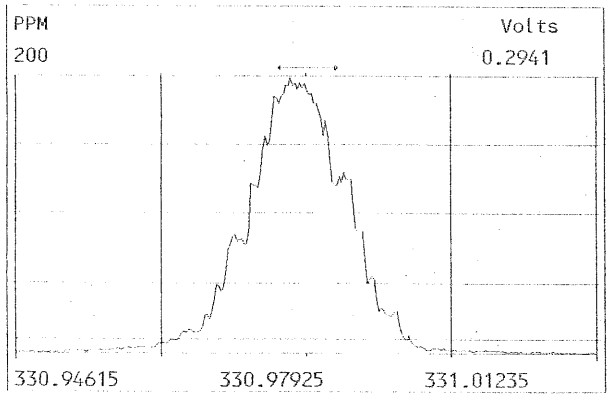


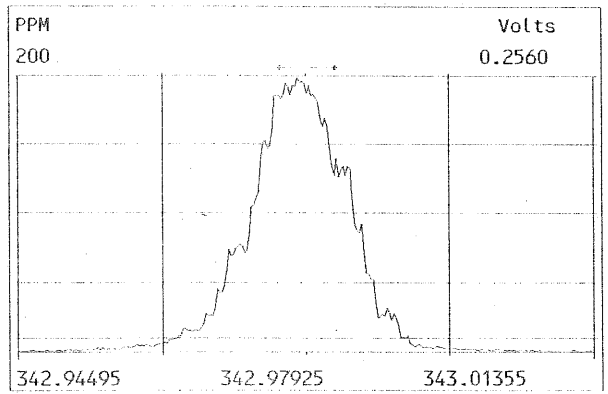






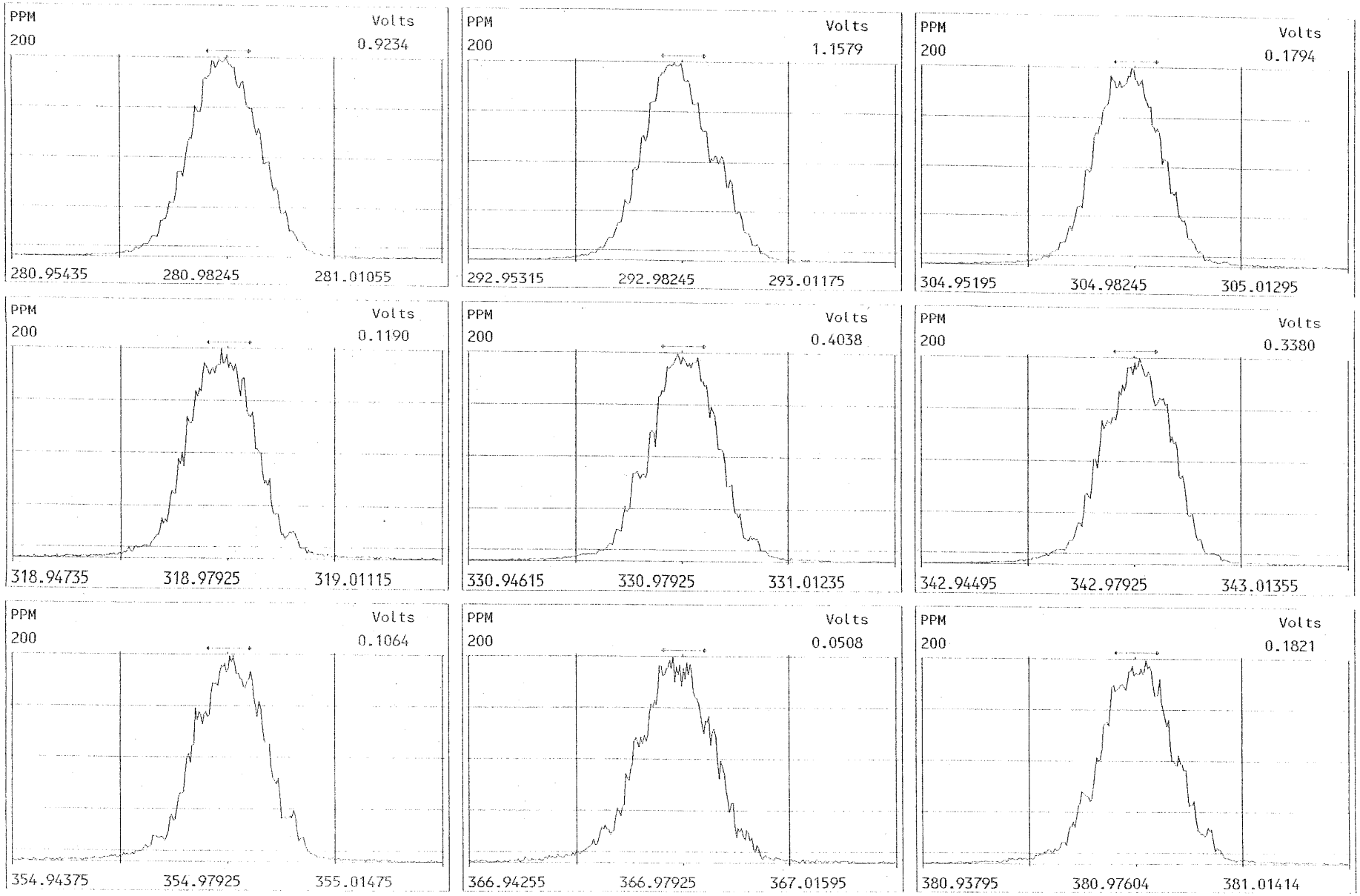




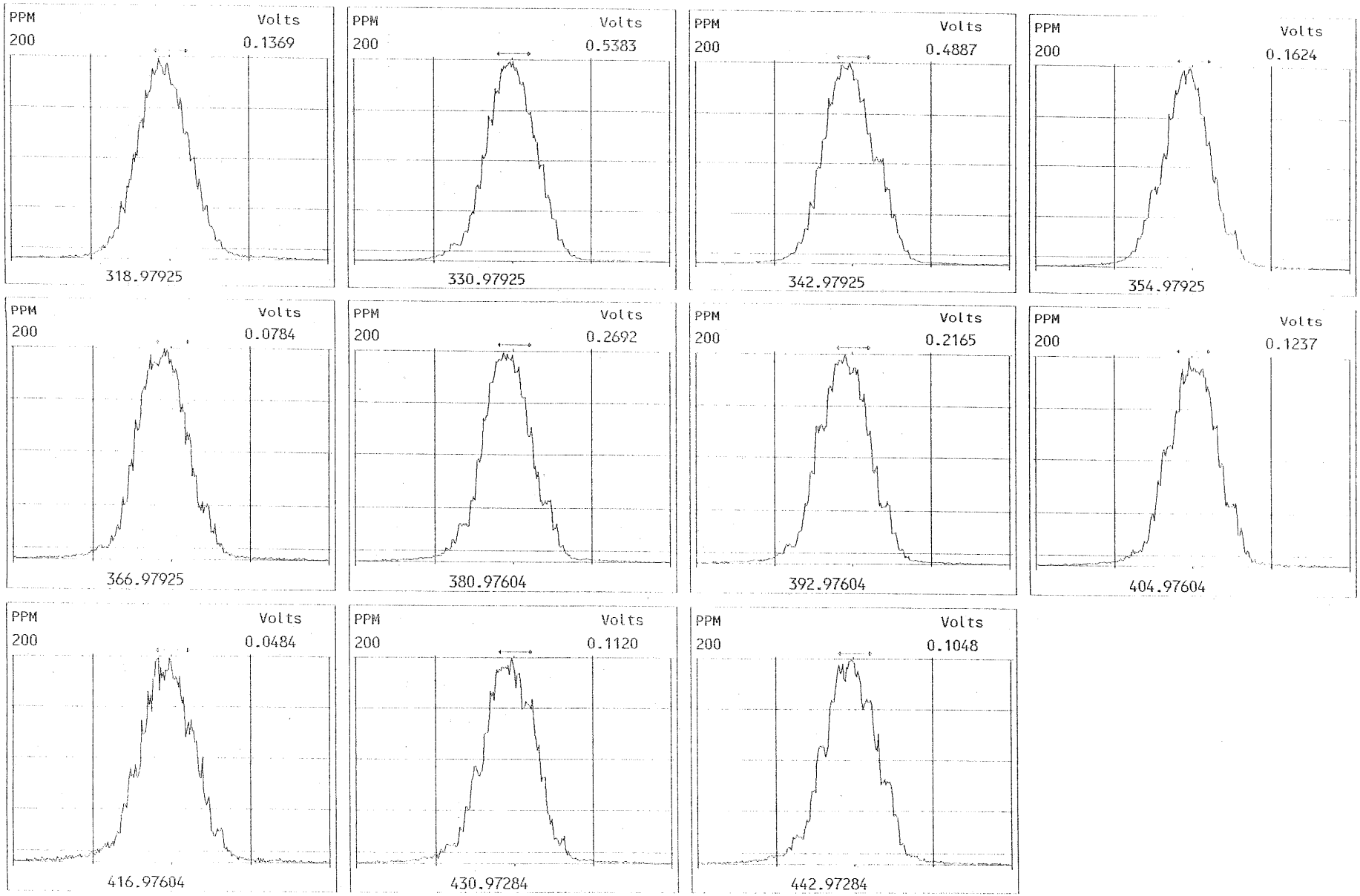


Peak Locate Examination:27-OCT-2020:06:37 File:27OCT20Z

Experiment:1668PCB Function:4 Reference:PFK

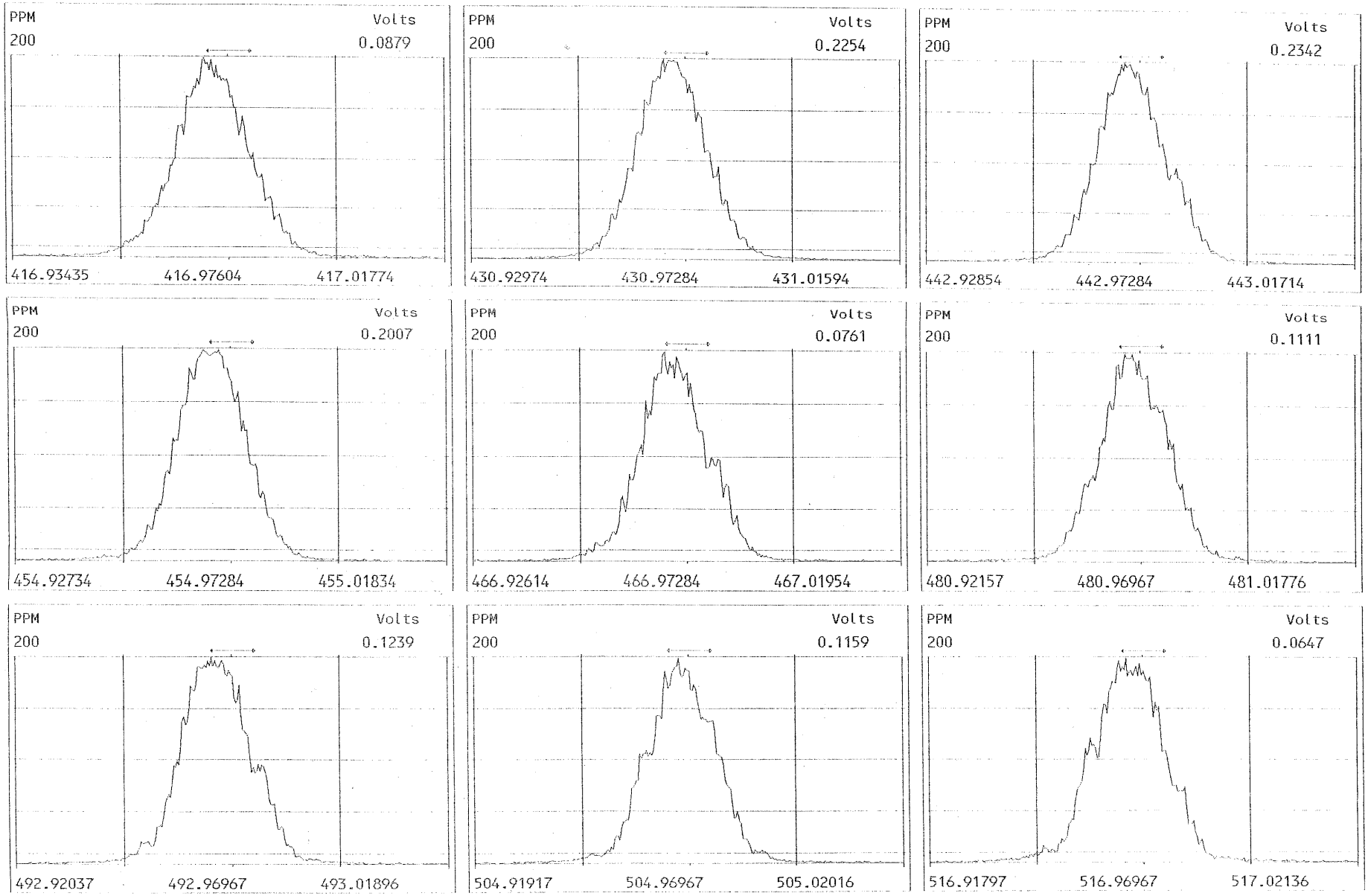


Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

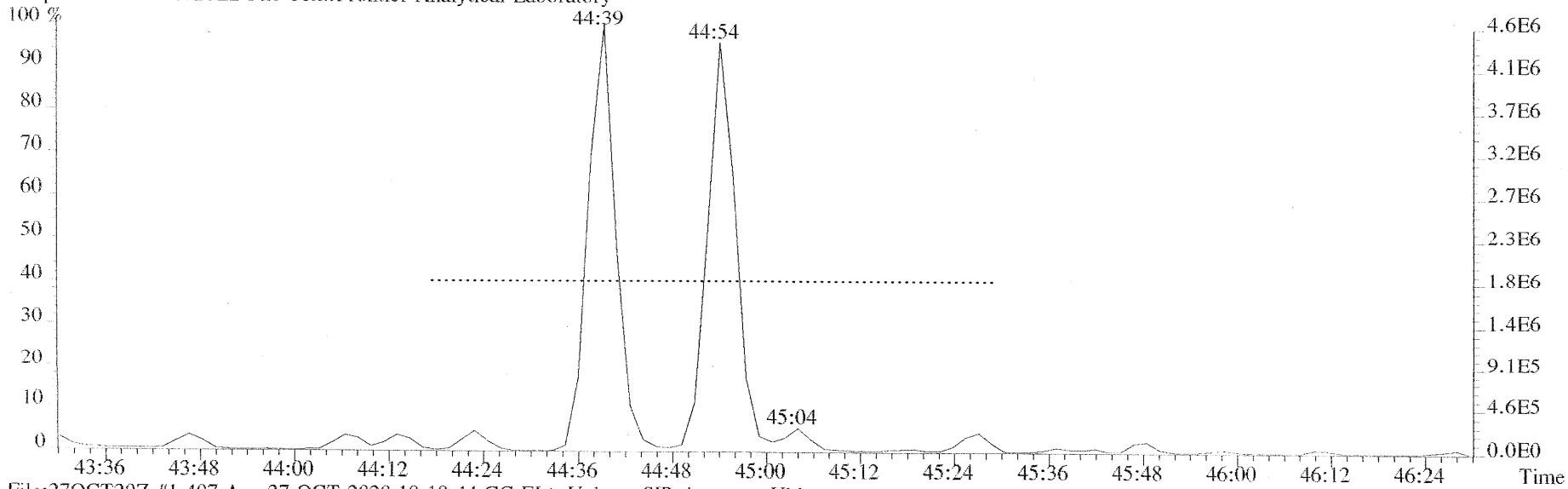


Peak Locate Examination:27-OCT-2020:06:38 File:27OCT20Z

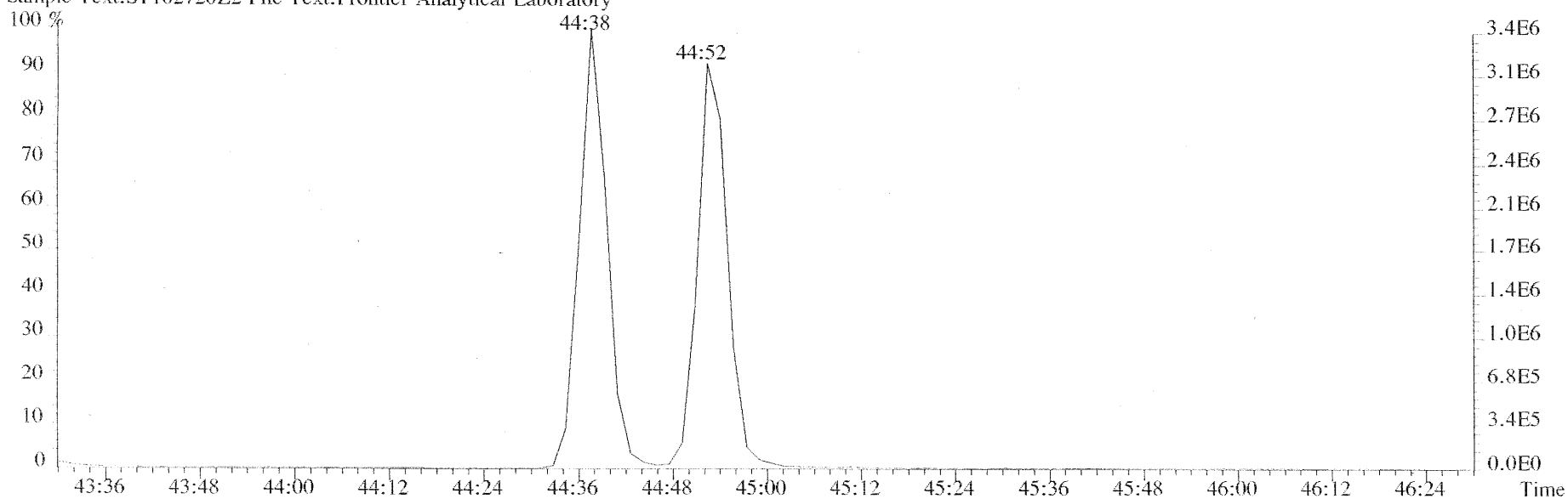
Experiment:1668PCB Function:6 Reference:PFK



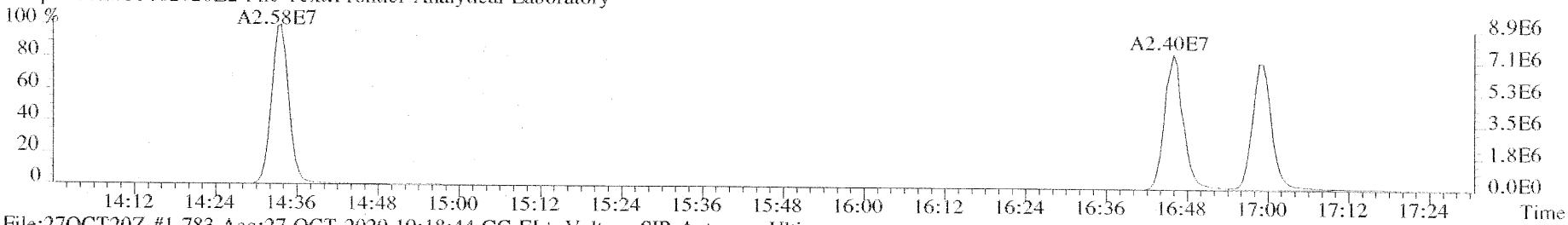
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



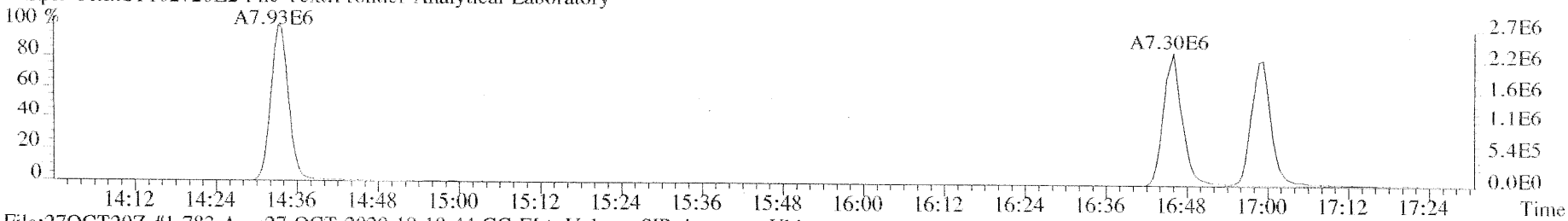
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:5 Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-783 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:14 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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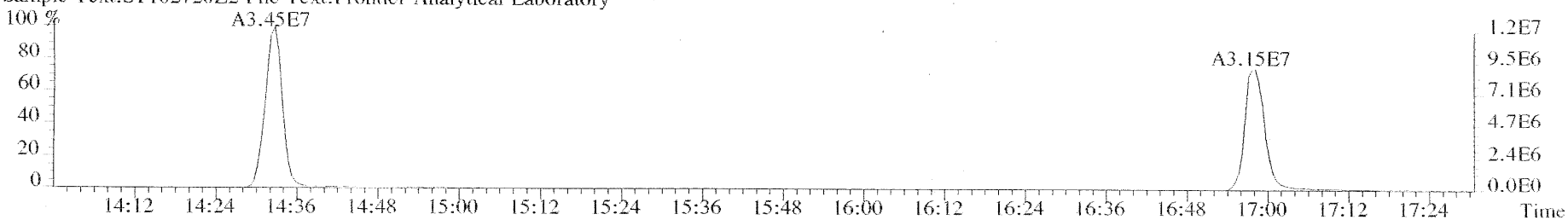

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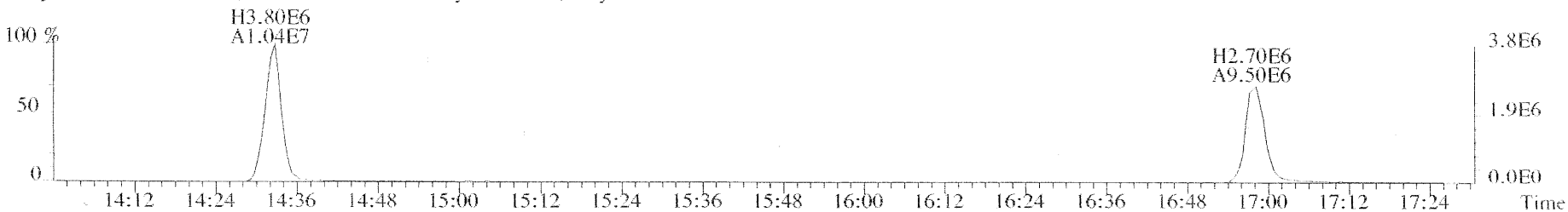
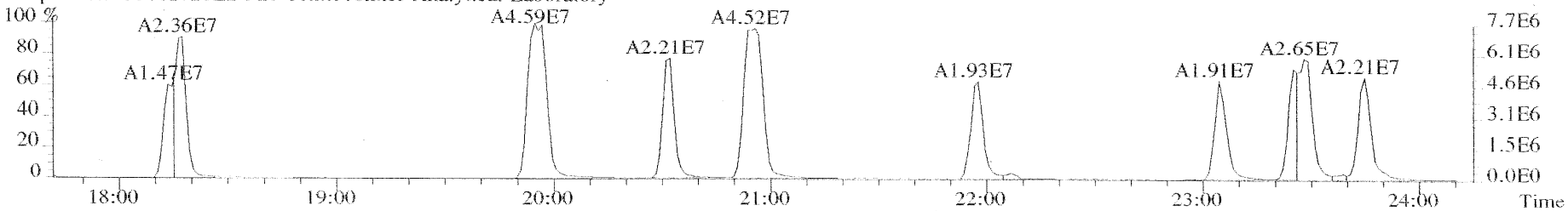
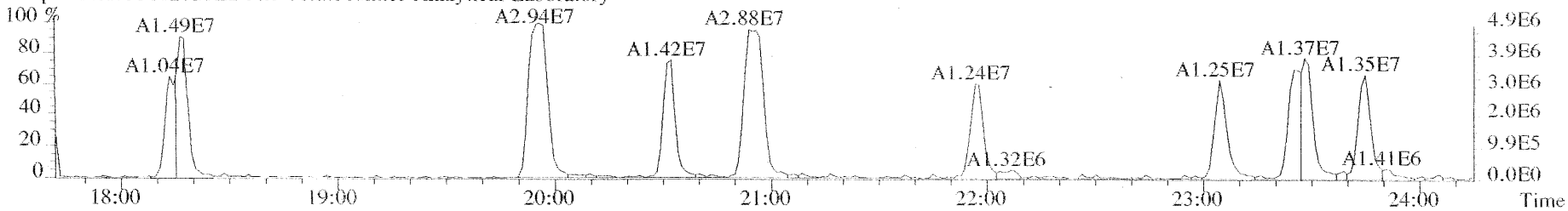
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



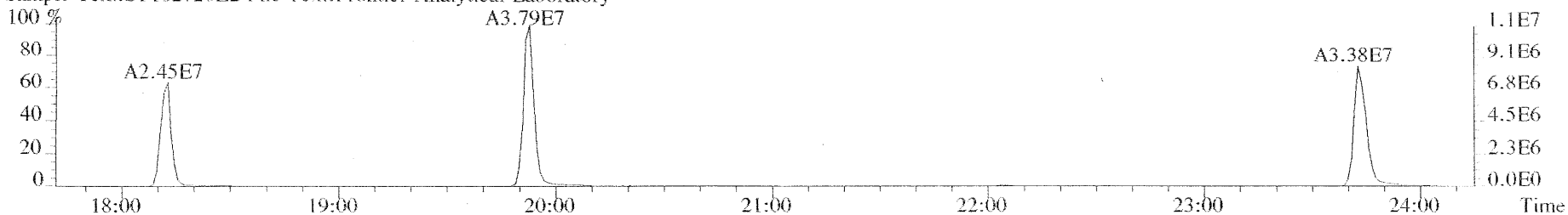
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



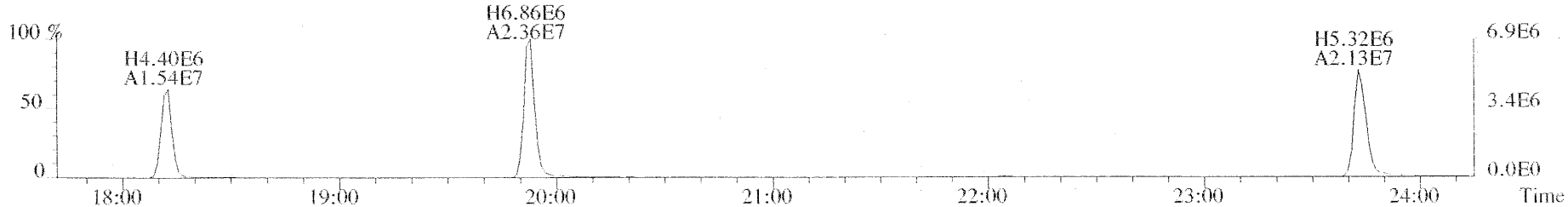
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



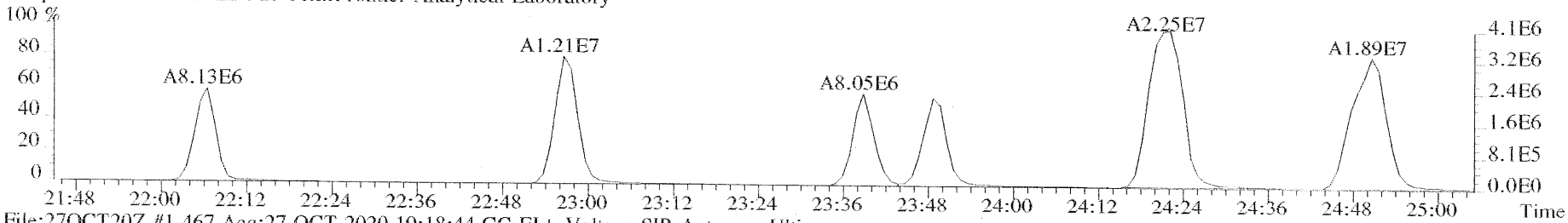
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



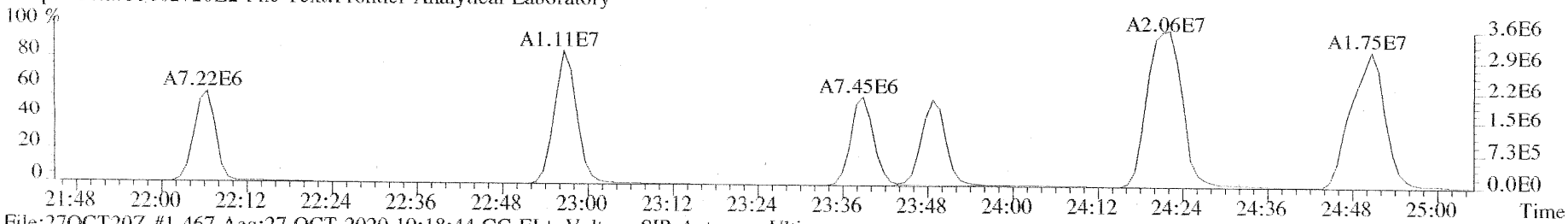
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:14 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



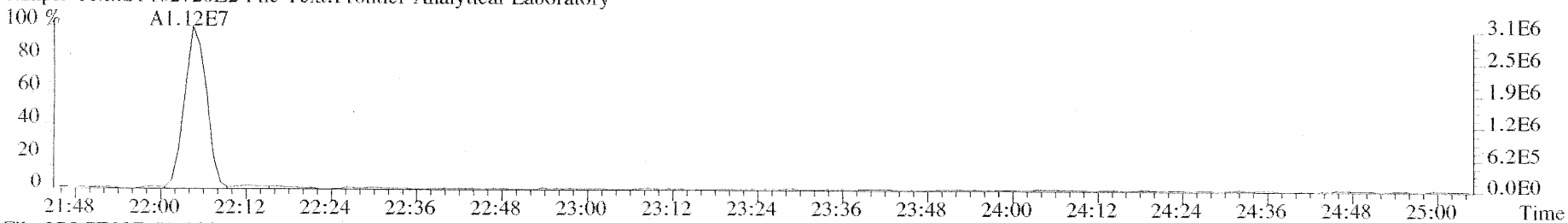
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



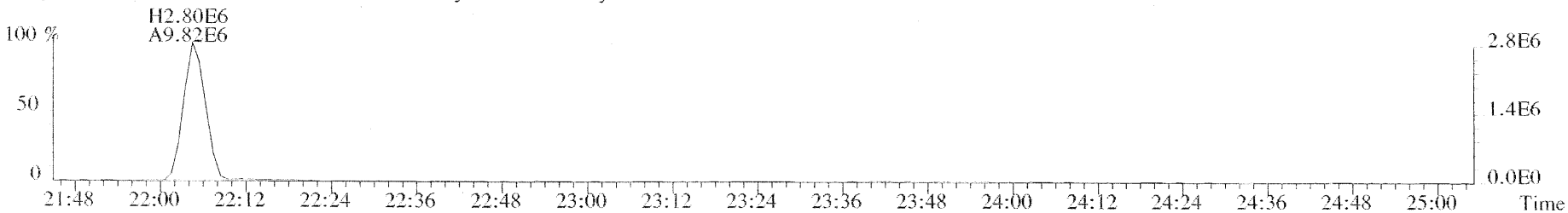
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



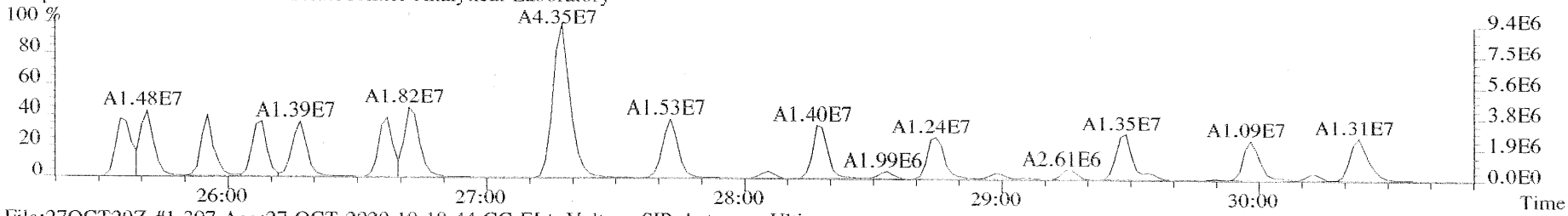
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



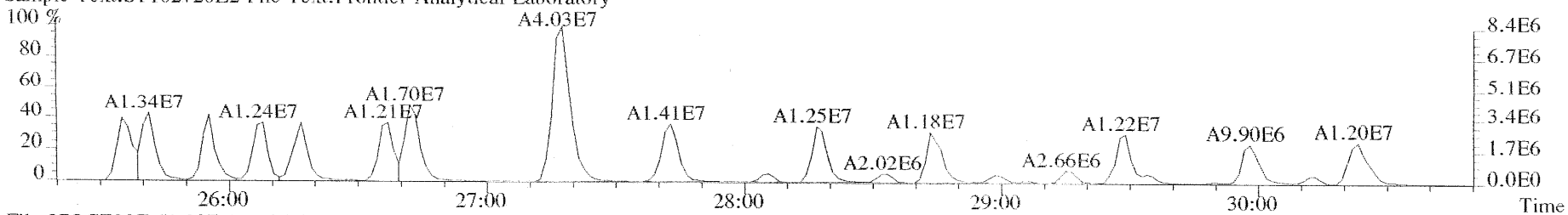
File:27OCT20Z #1-467 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



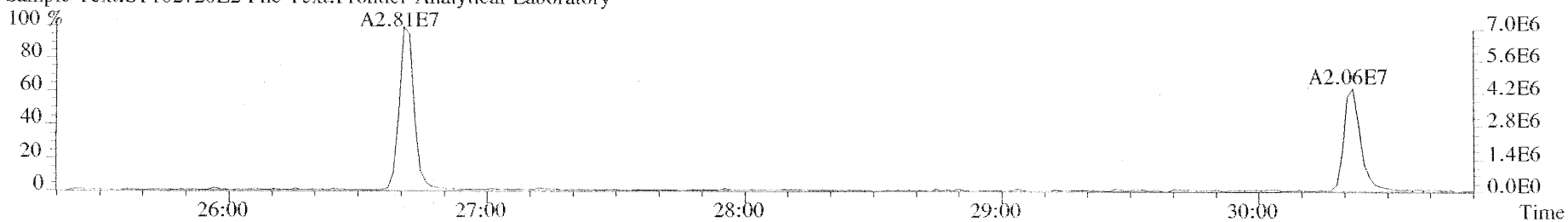
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



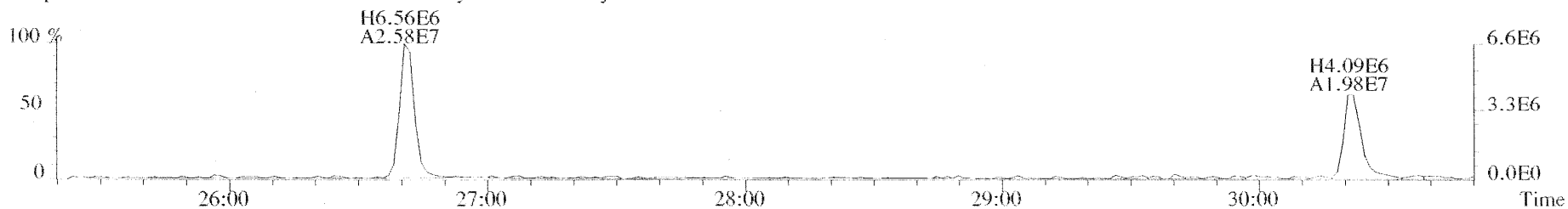
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



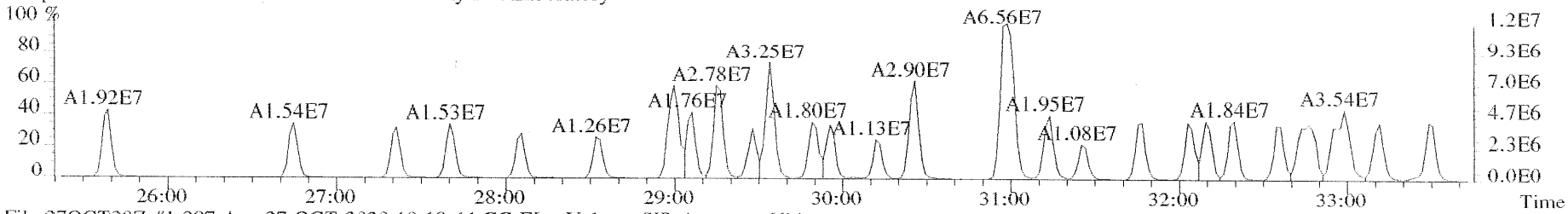
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



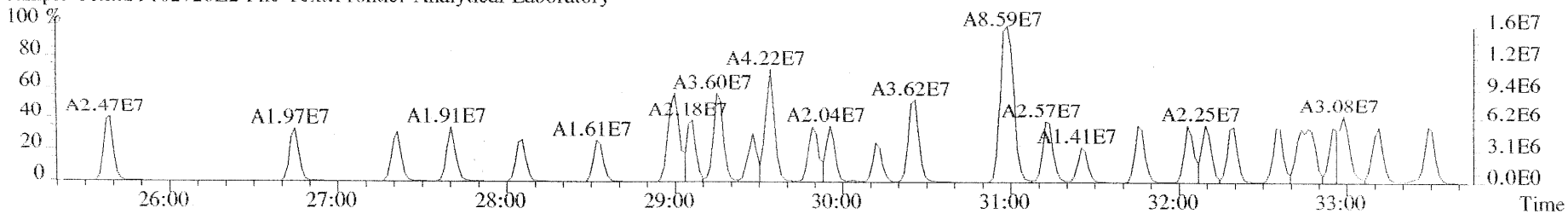
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



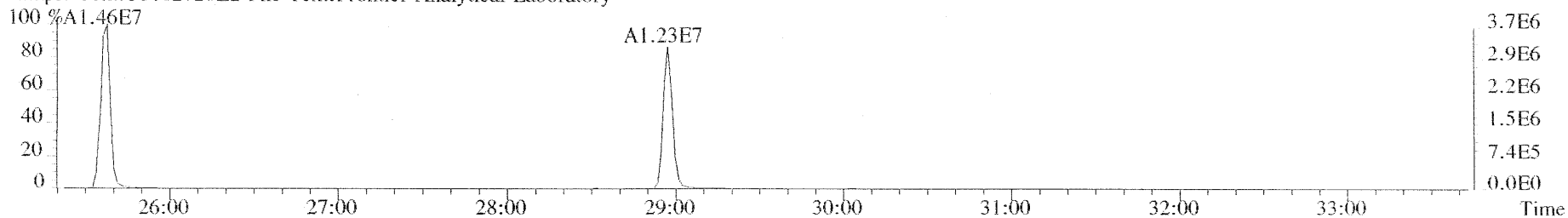
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



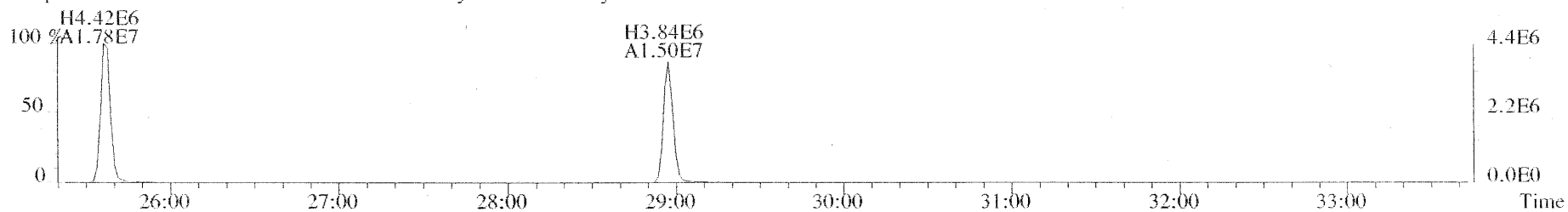
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



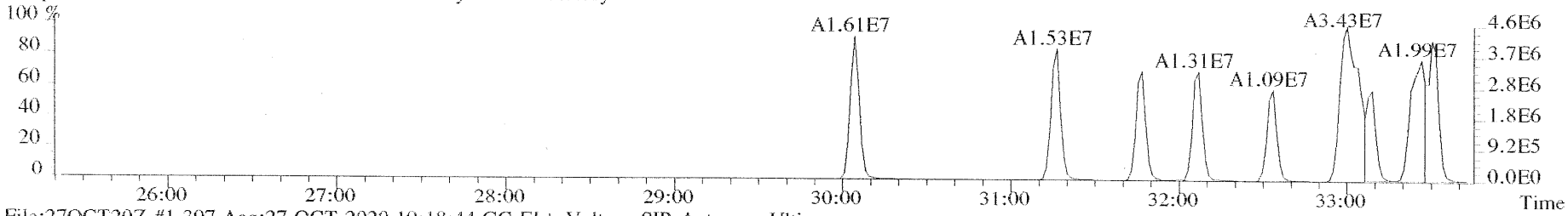
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



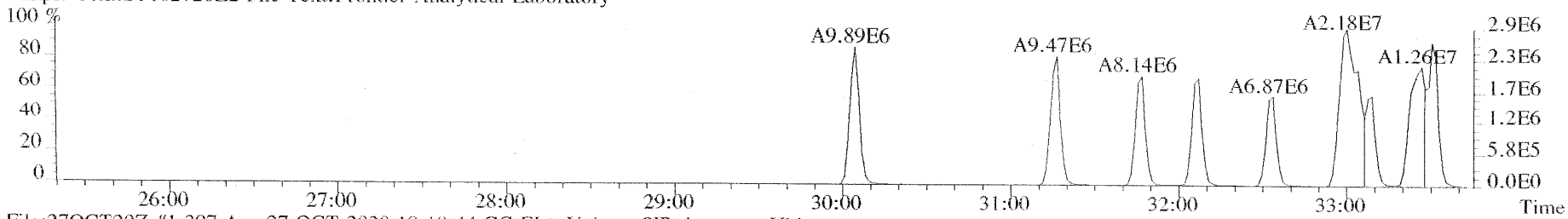
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



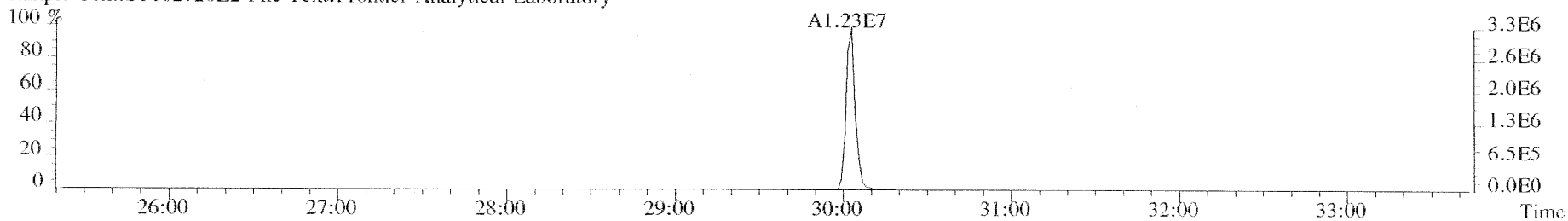
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



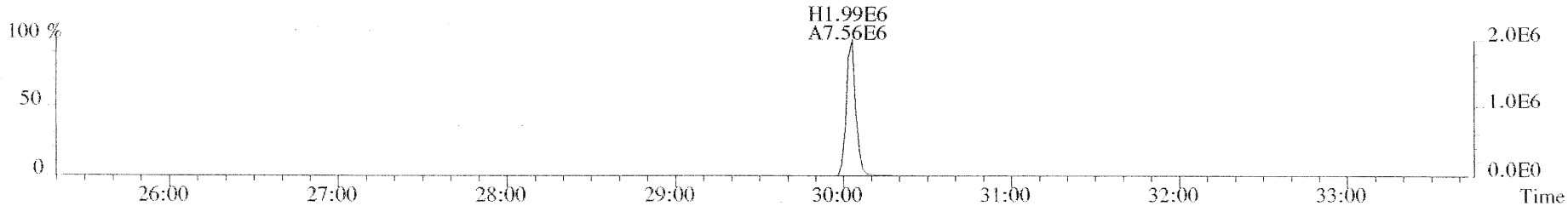
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



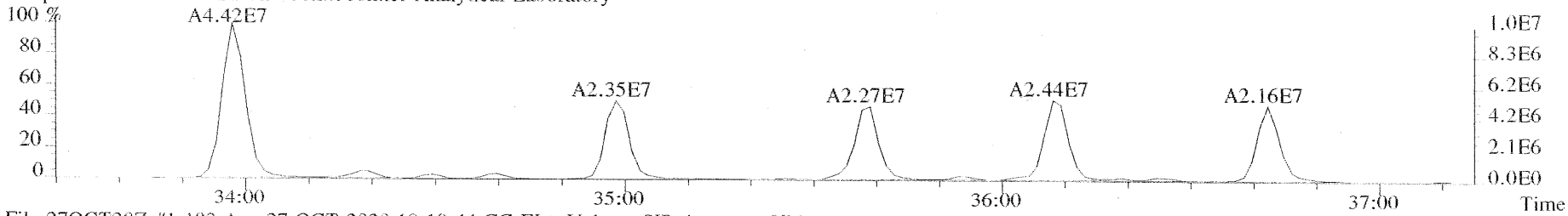
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



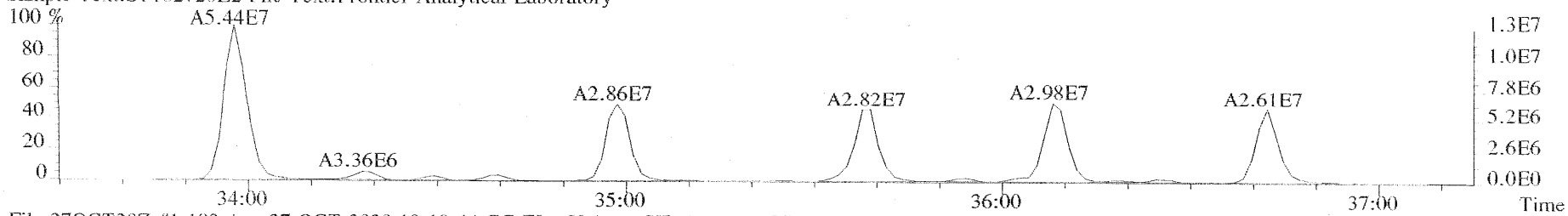
File:27OCT20Z #1-397 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



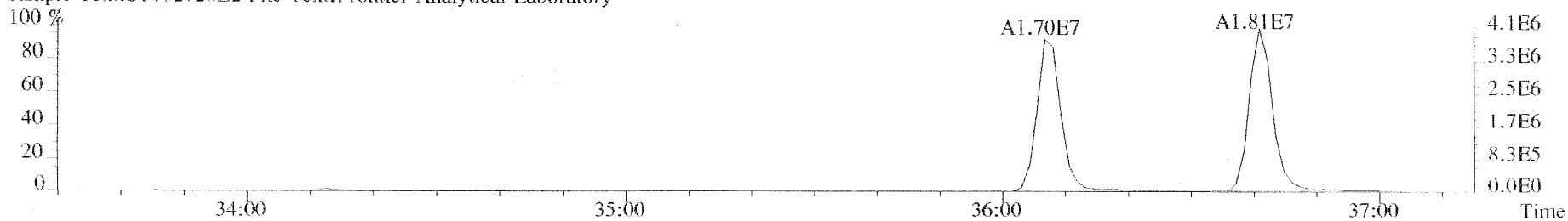
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



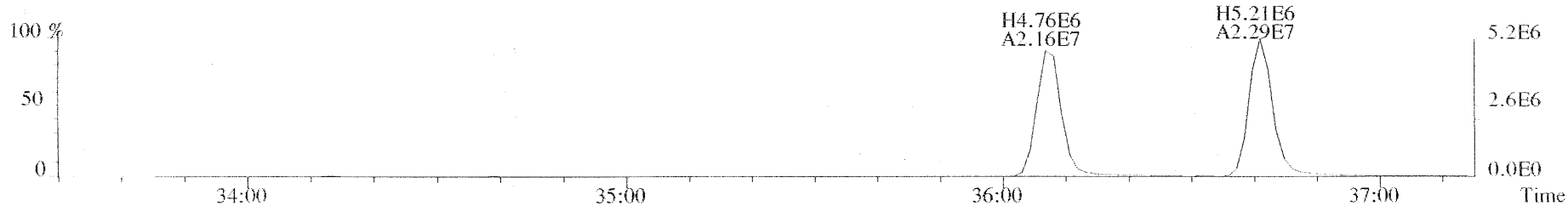
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



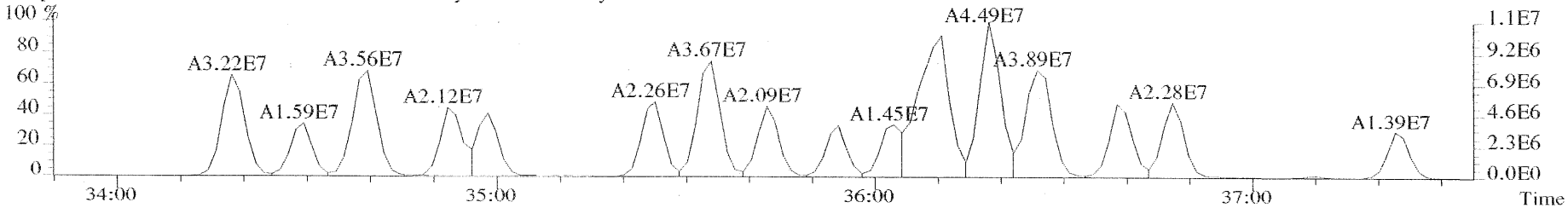
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



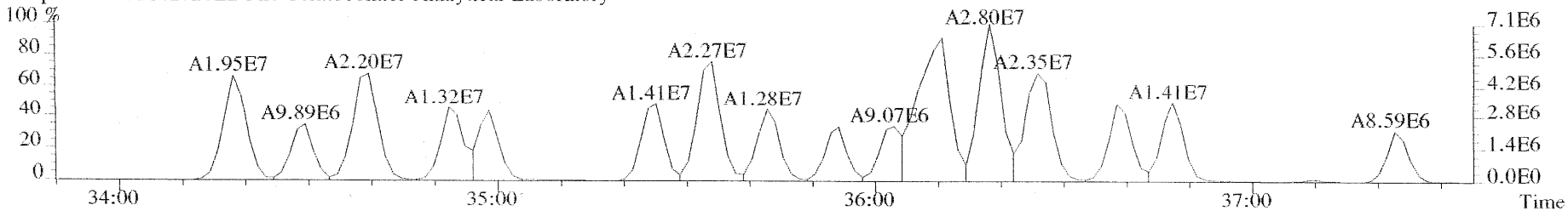
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



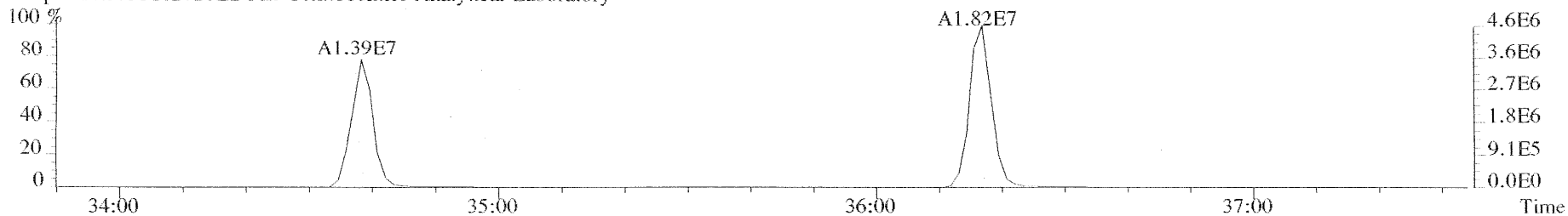
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



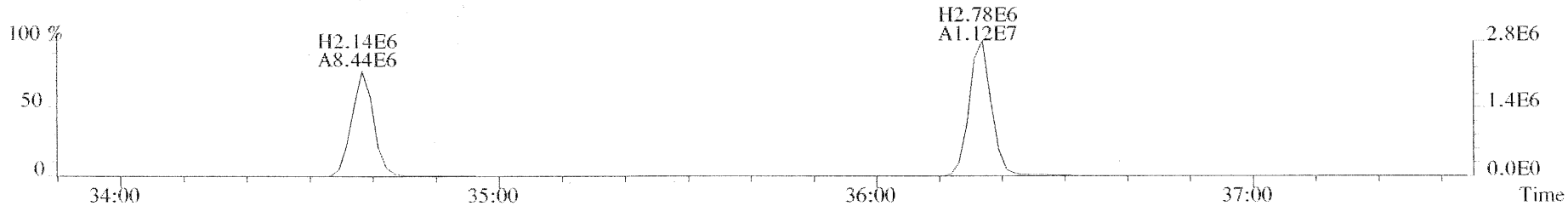
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



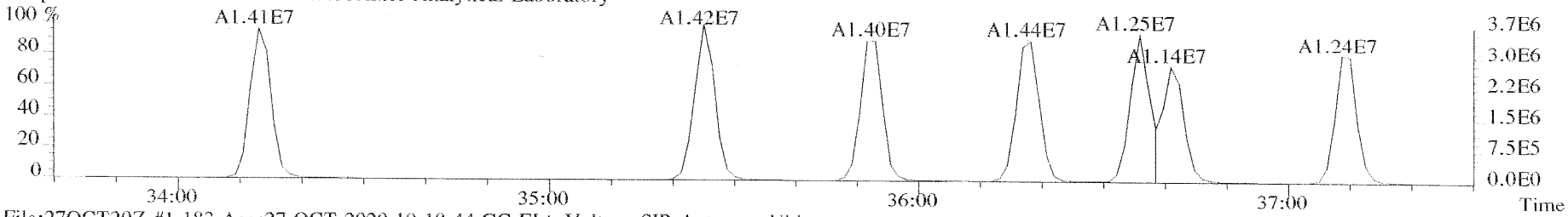
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



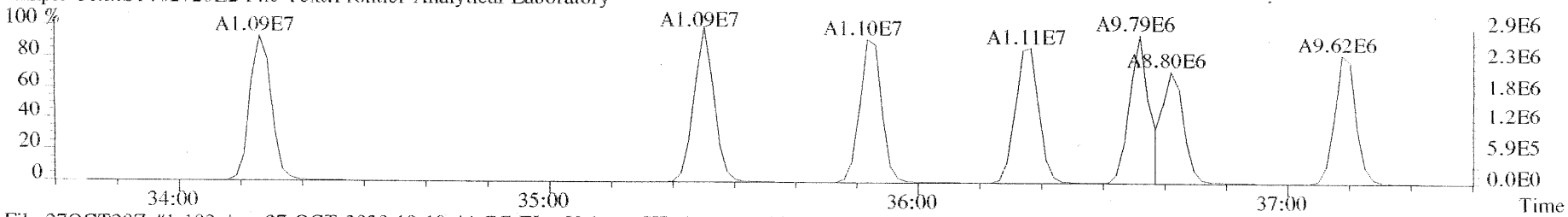
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



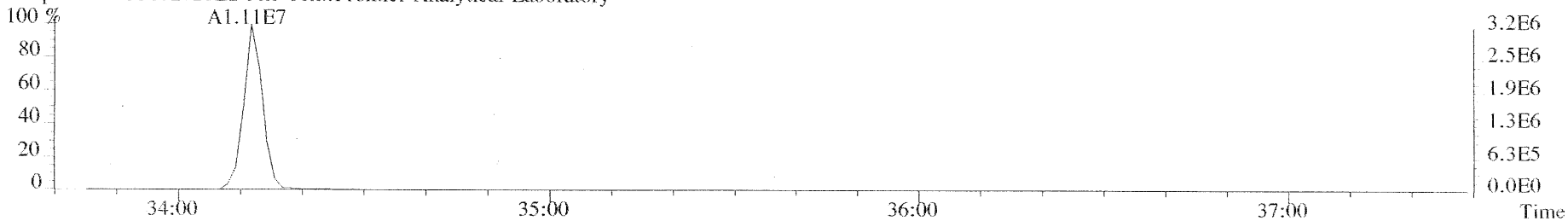
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



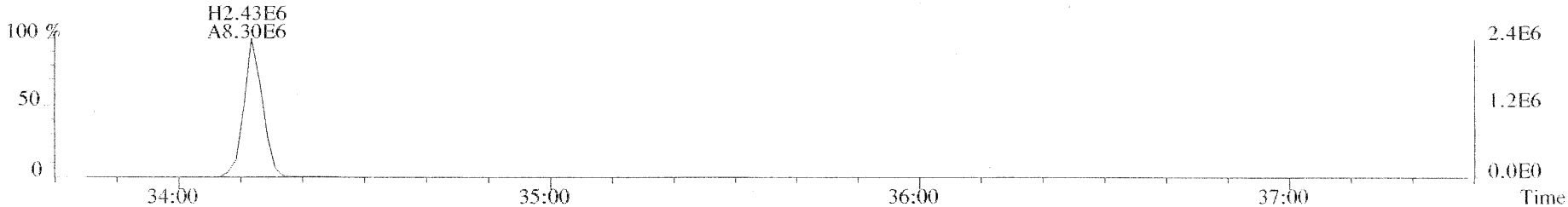
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



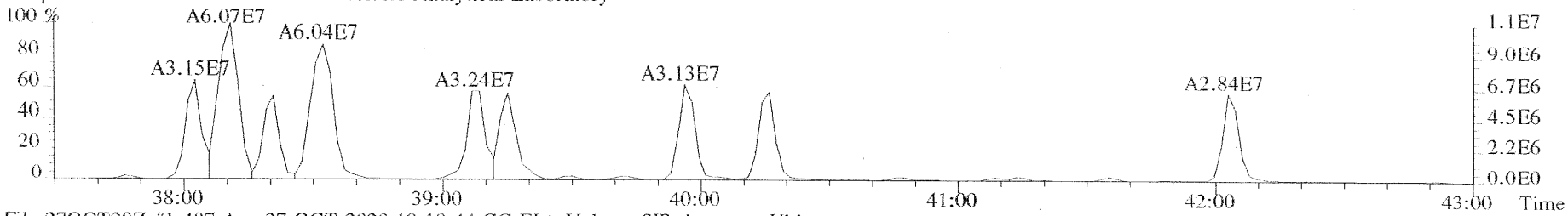
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



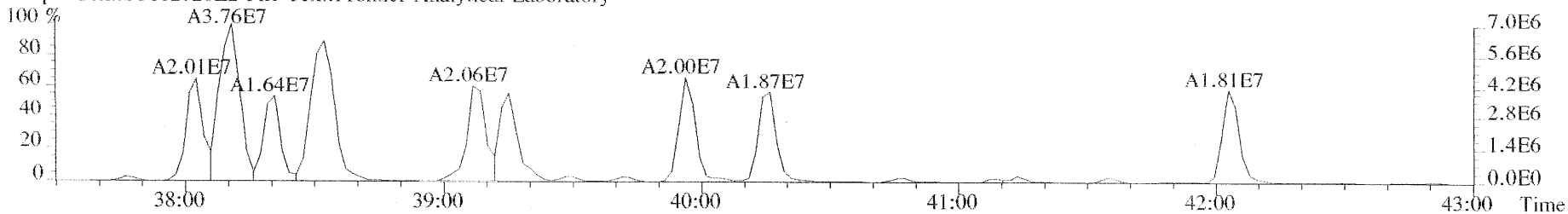
File:27OCT20Z #1-183 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



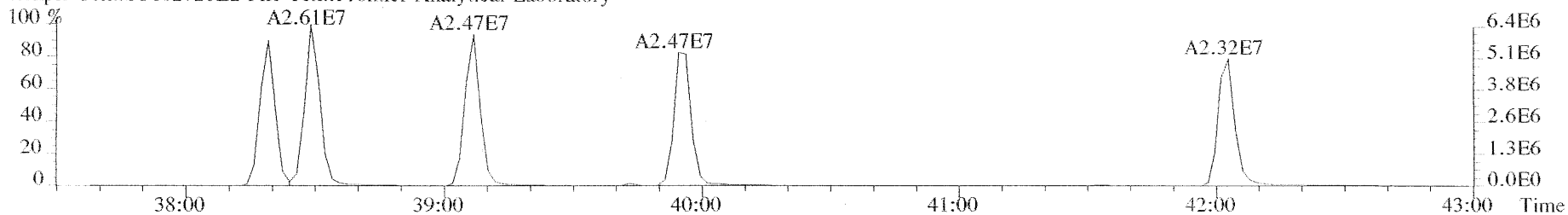
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



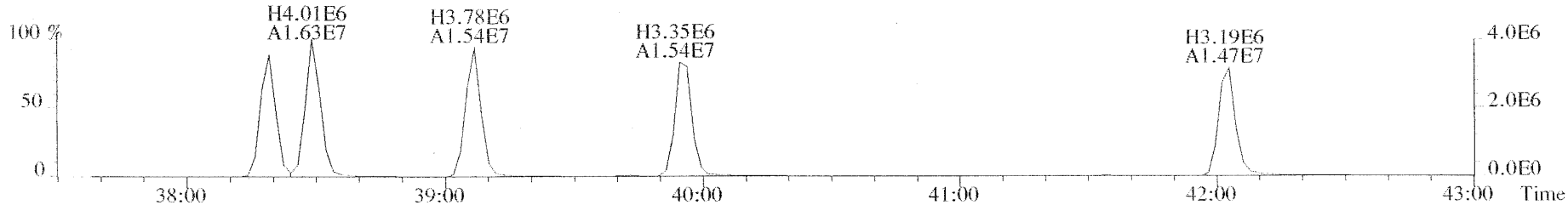
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



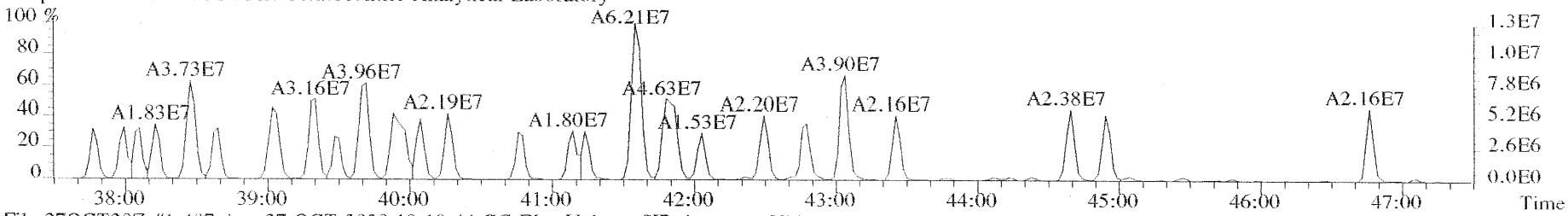
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



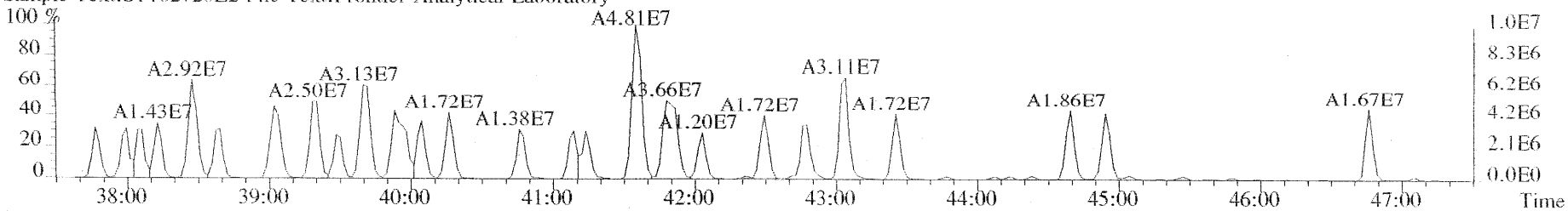
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



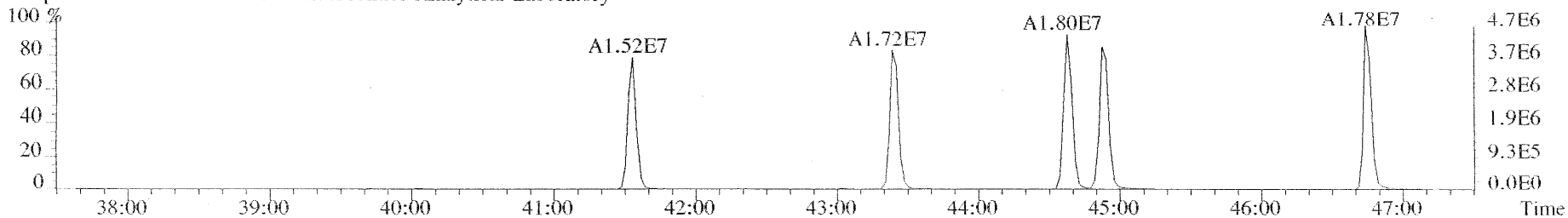
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



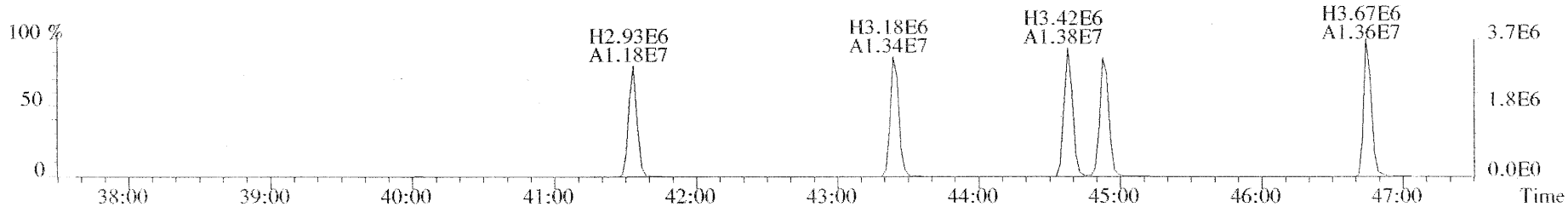
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



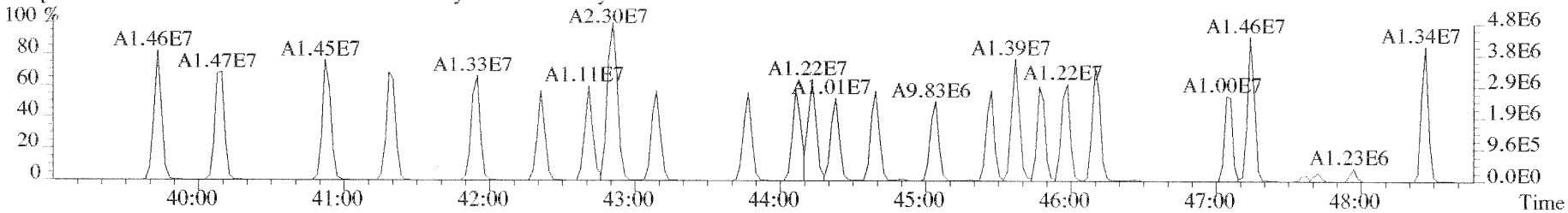
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



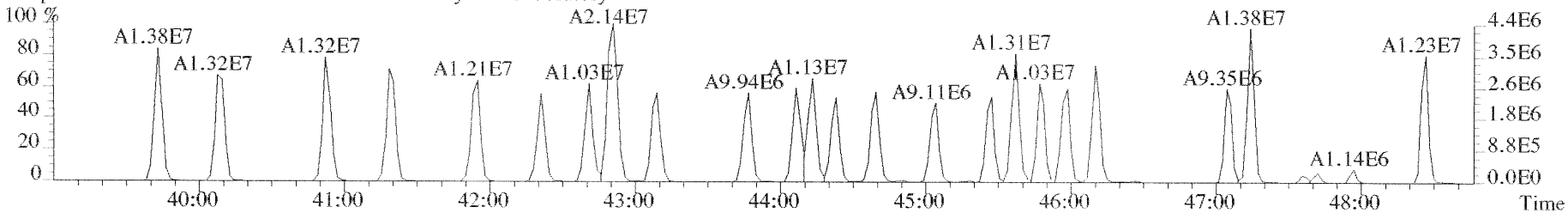
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



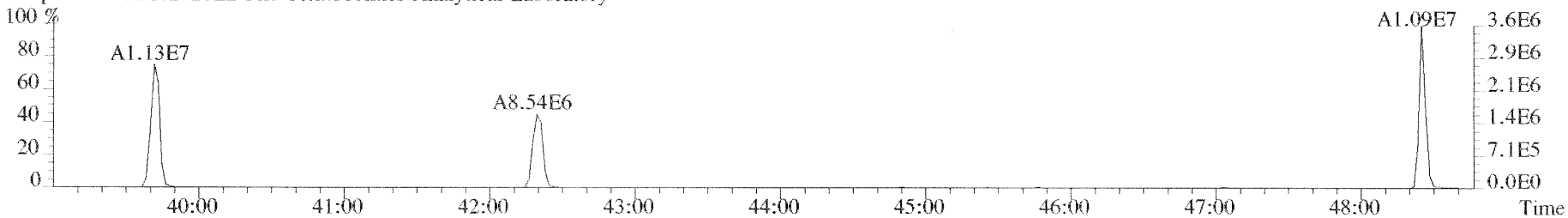
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



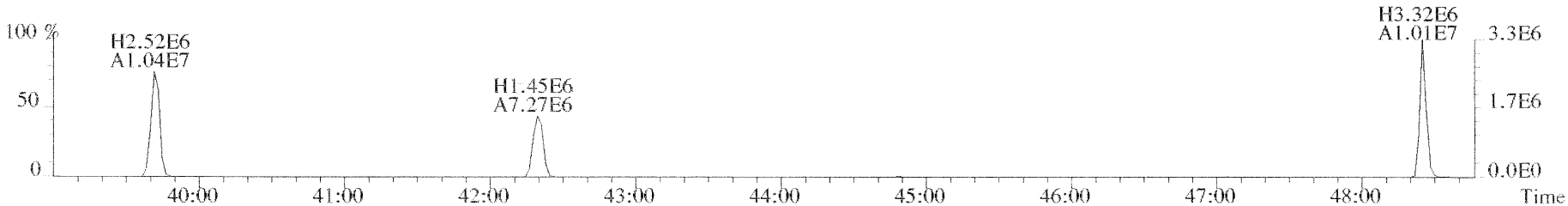
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



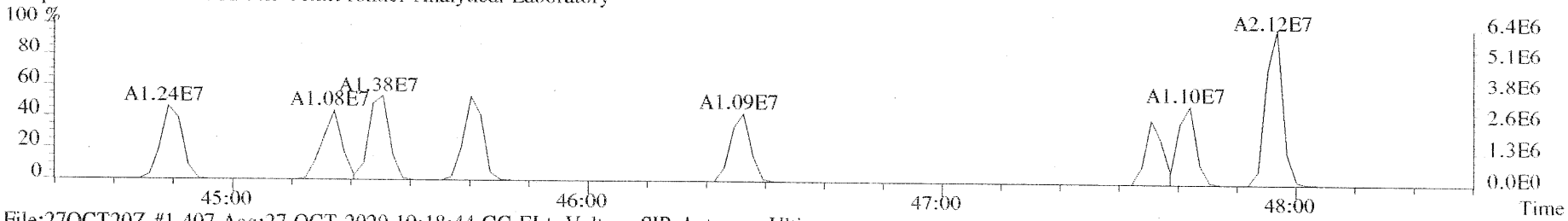
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



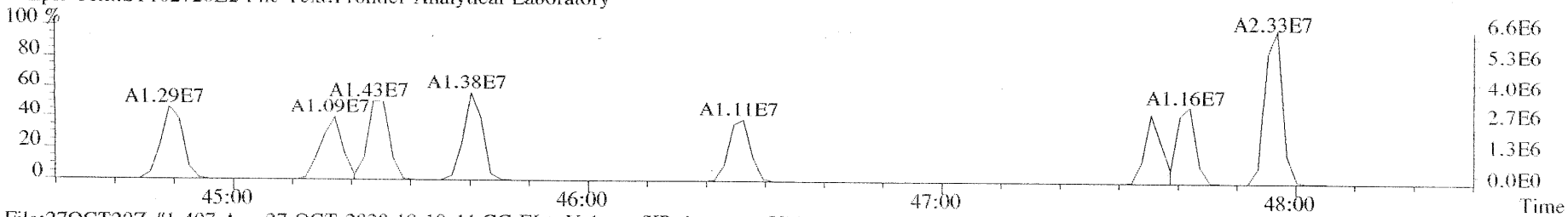
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:14 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



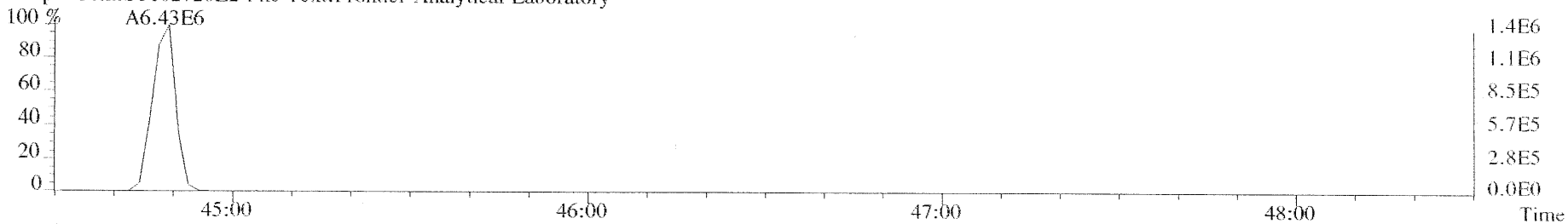
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



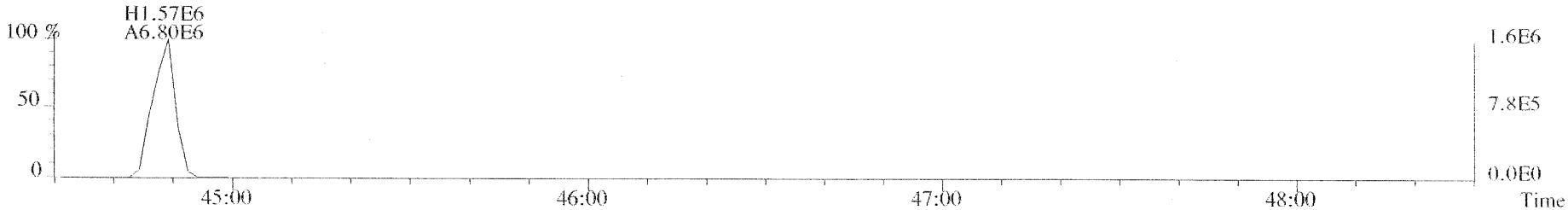
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



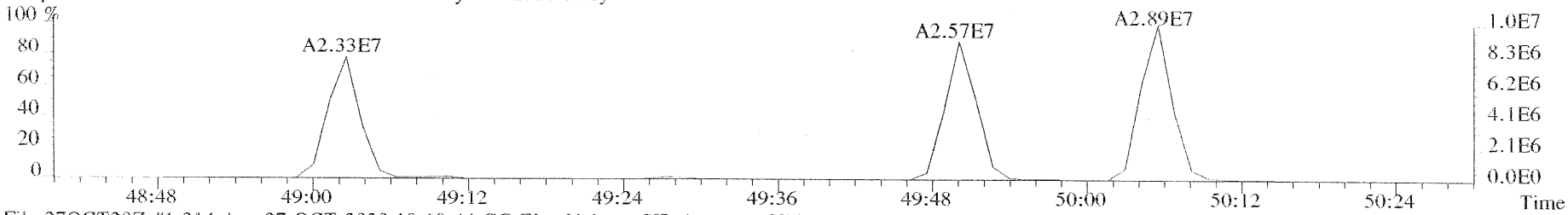
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



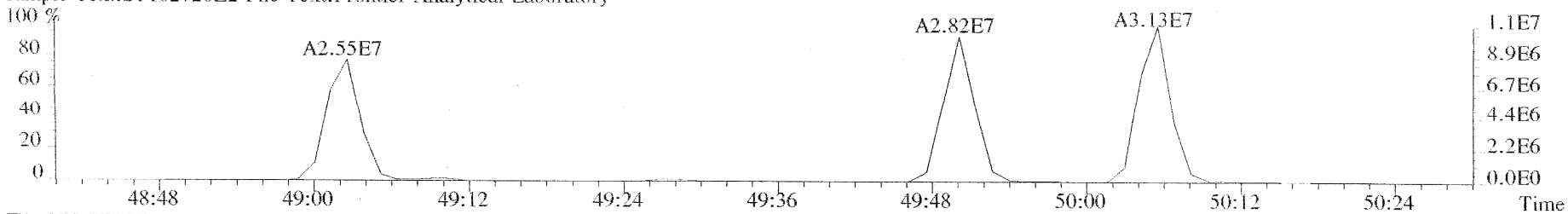
File:27OCT20Z #1-407 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



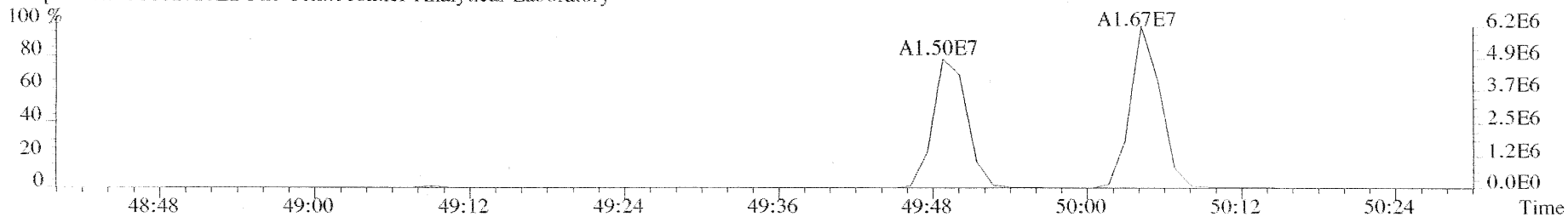
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



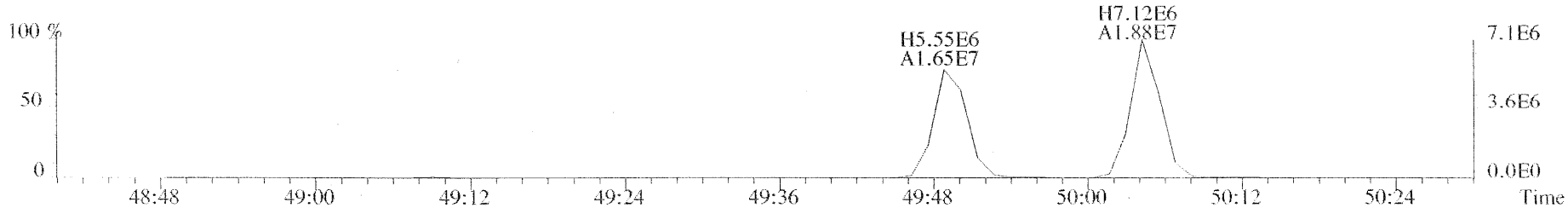
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



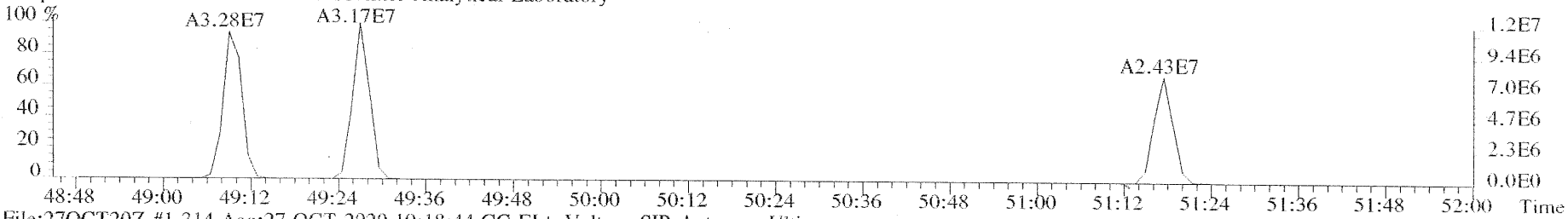
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



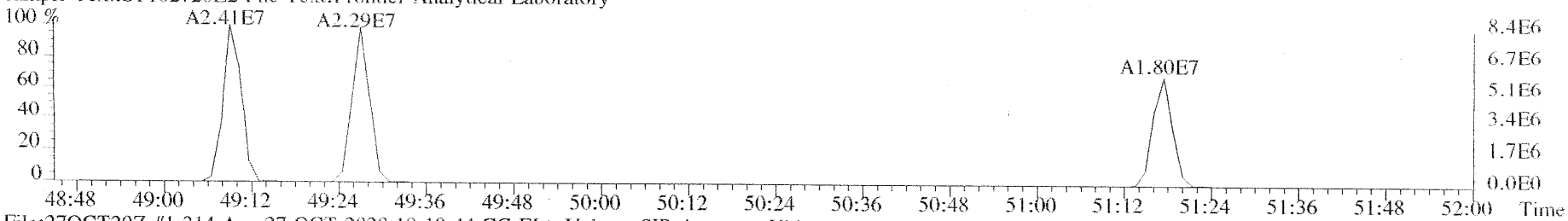
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



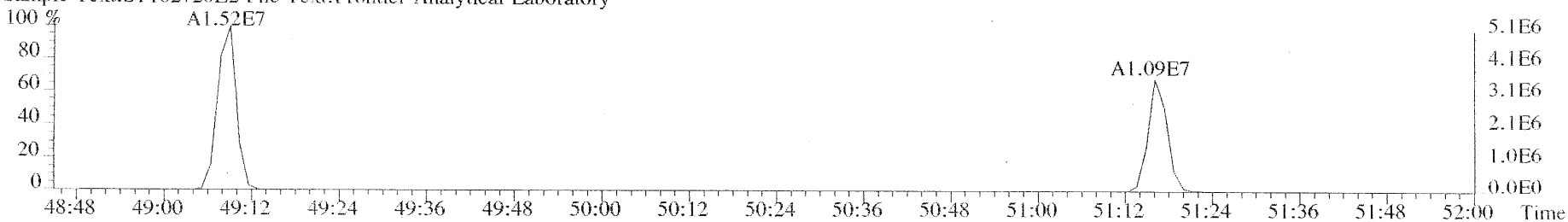
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



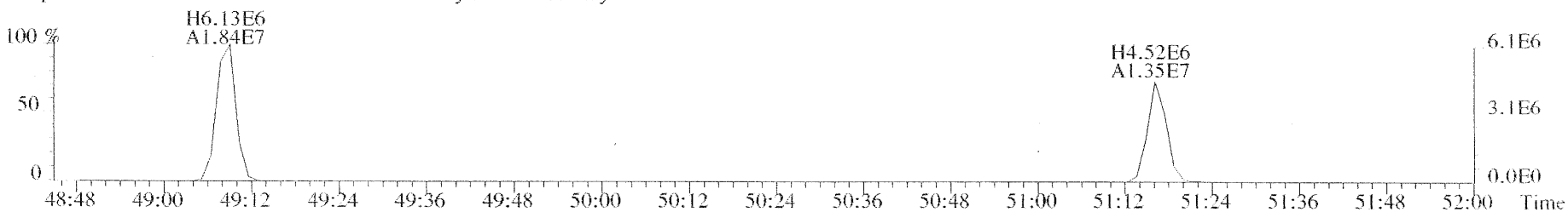
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



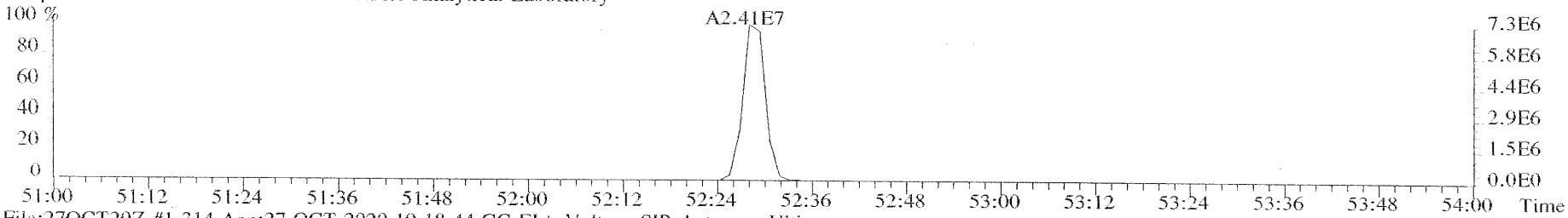
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



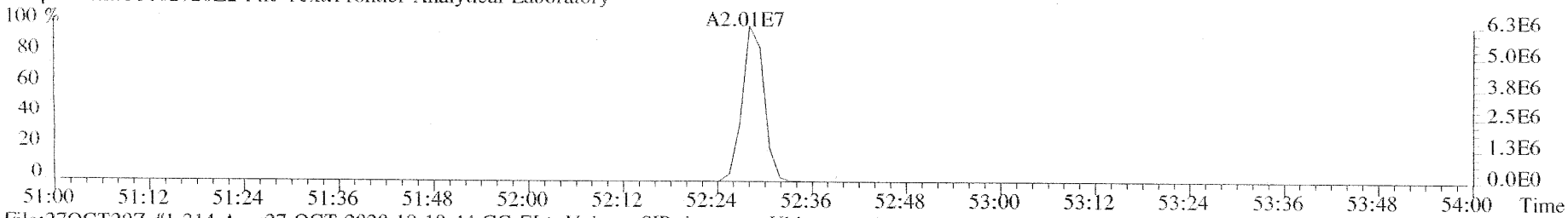
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



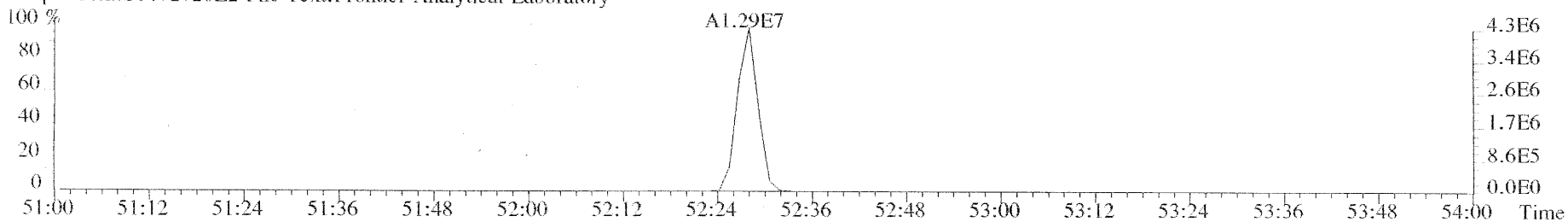
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



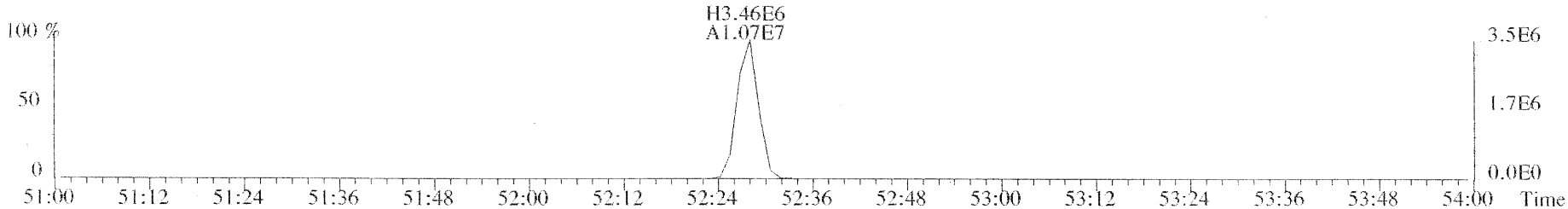
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory



File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

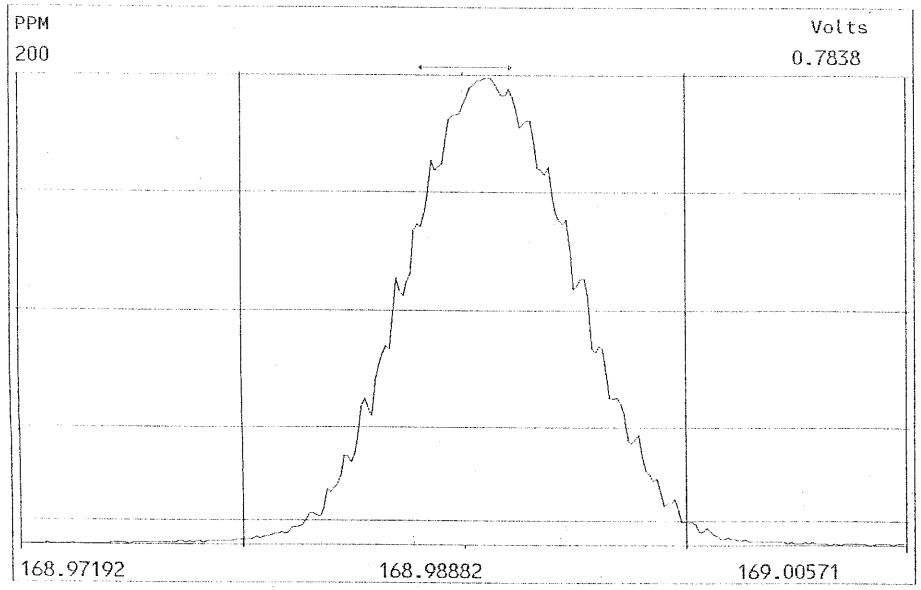


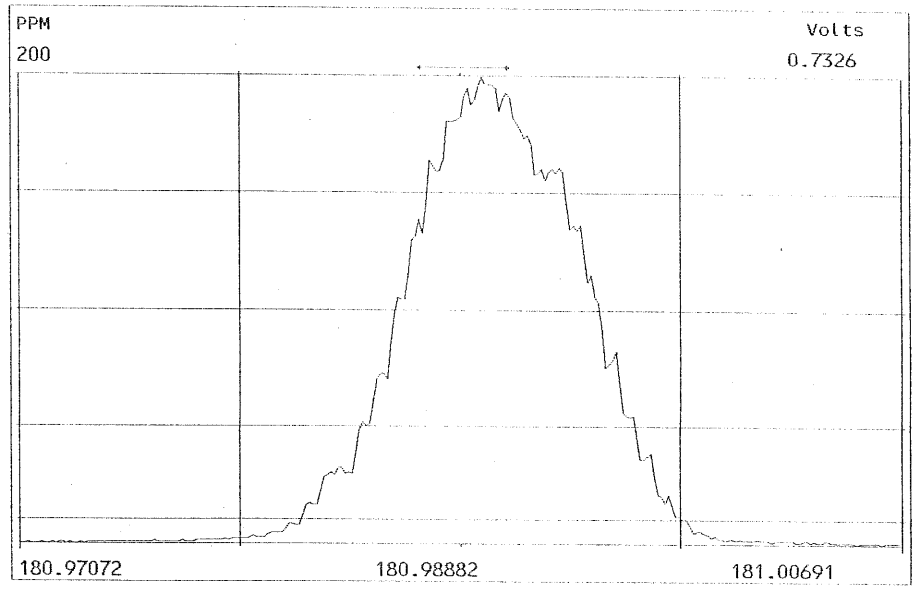
File:27OCT20Z #1-314 Acq:27-OCT-2020 19:18:44 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:14 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102720Z2 File Text:Frontier Analytical Laboratory

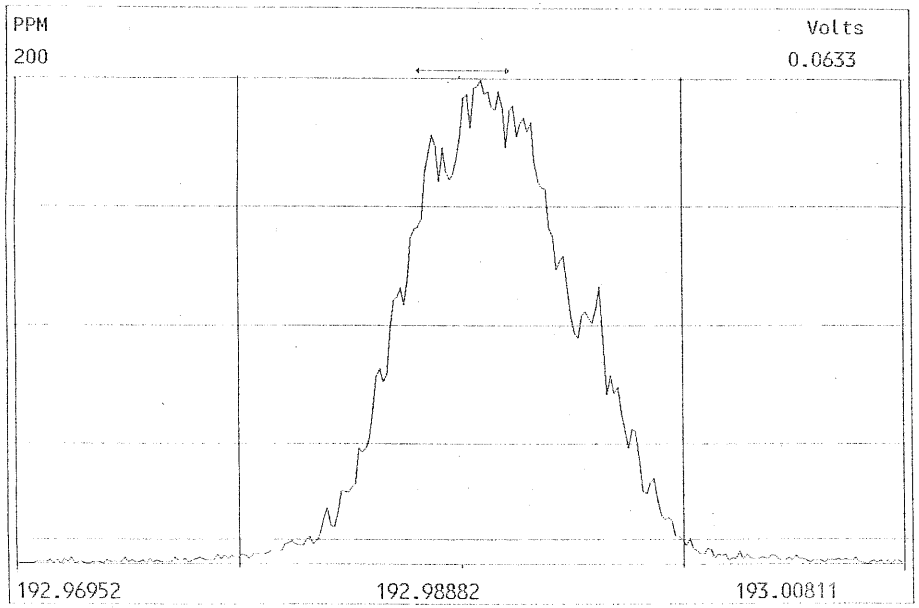


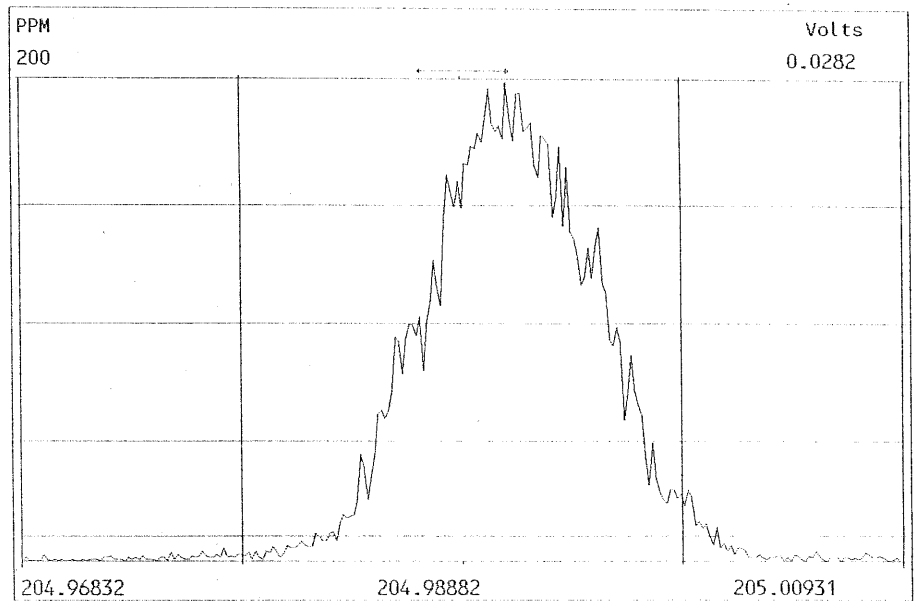
Peak Locate Examination:27-OCT-2020:20:46 File:27OCT20Z_RES_CHECK

Experiment:1668PCB Function:1 Reference:PFK

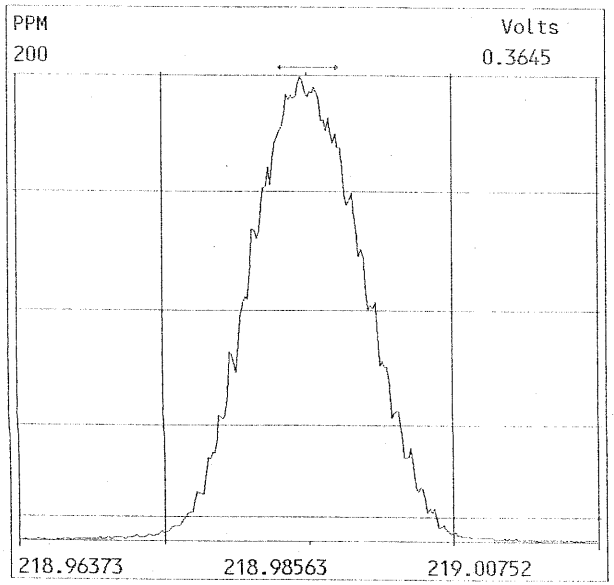


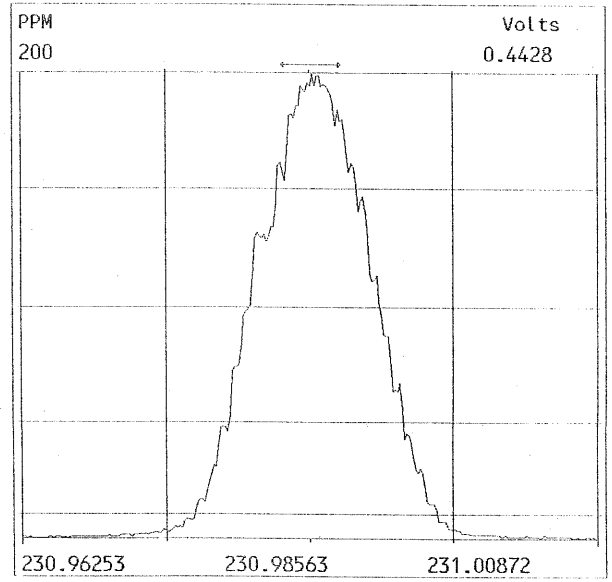


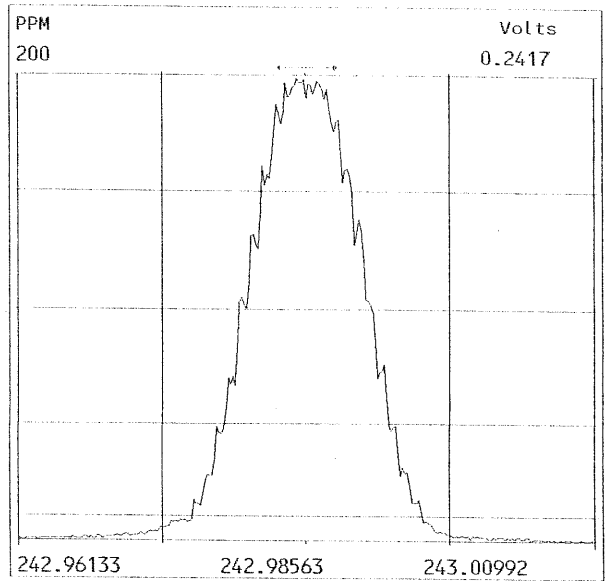


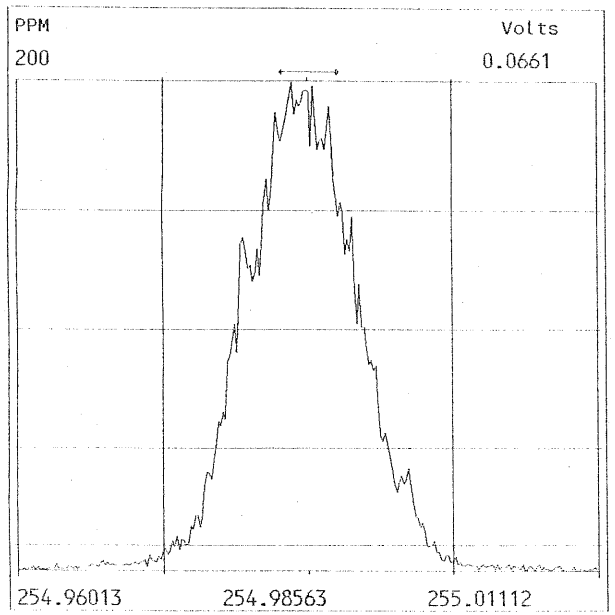


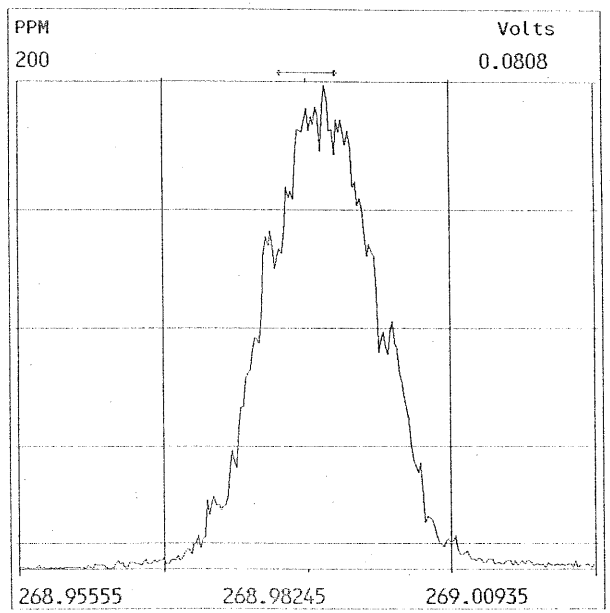
Peak Locate Examination:27-OCT-2020:20:48 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

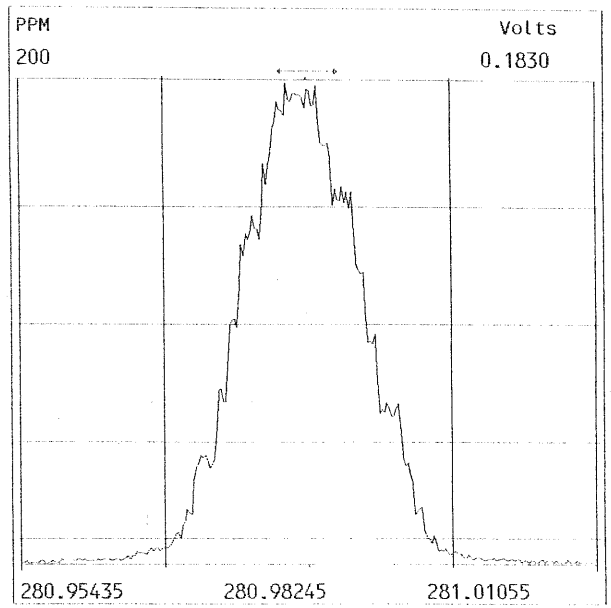




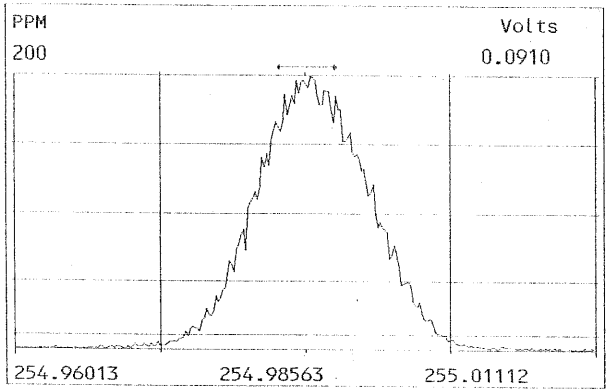


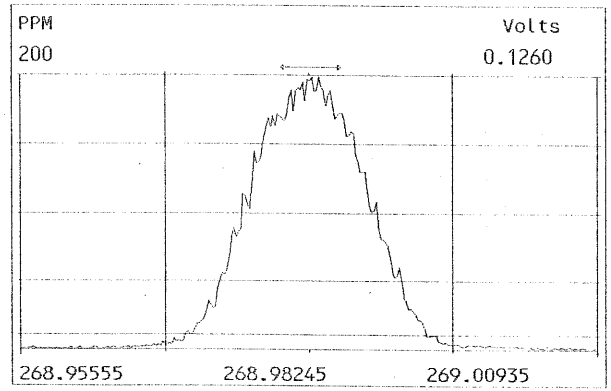


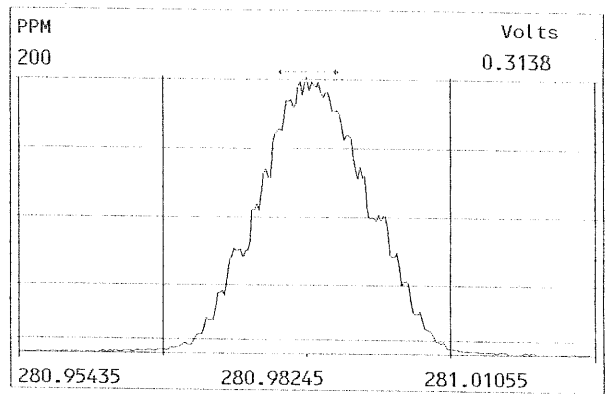


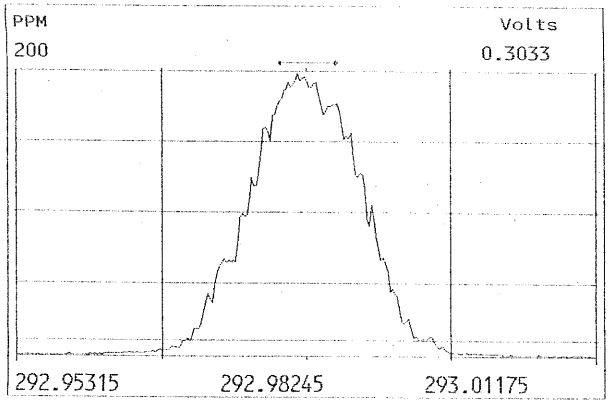


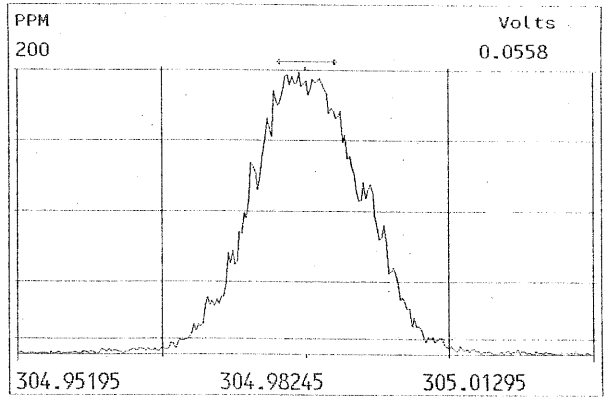
Peak Locate Examination:27-OCT-2020:20:50 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

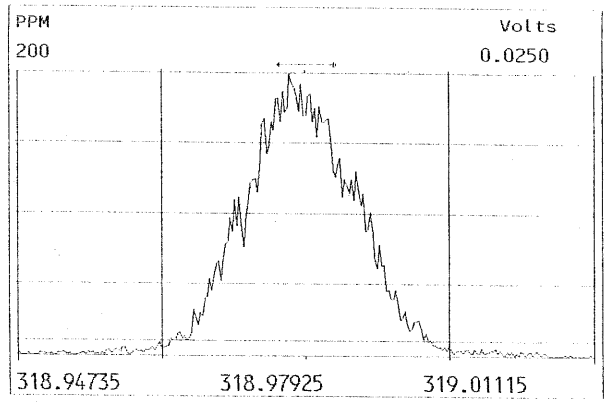


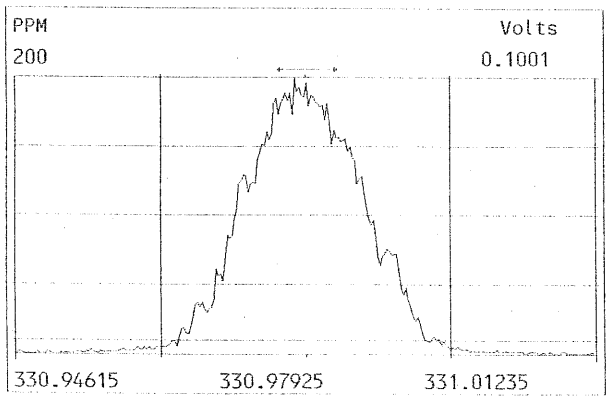


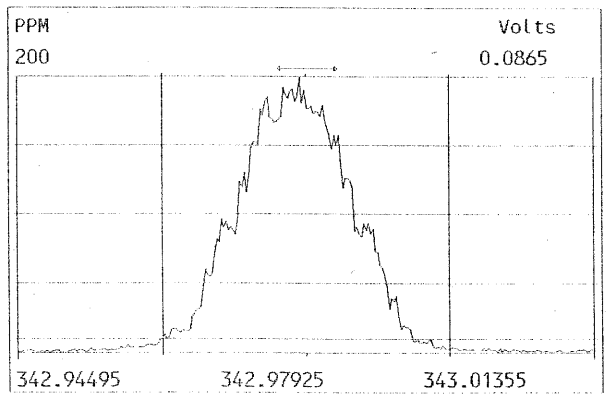






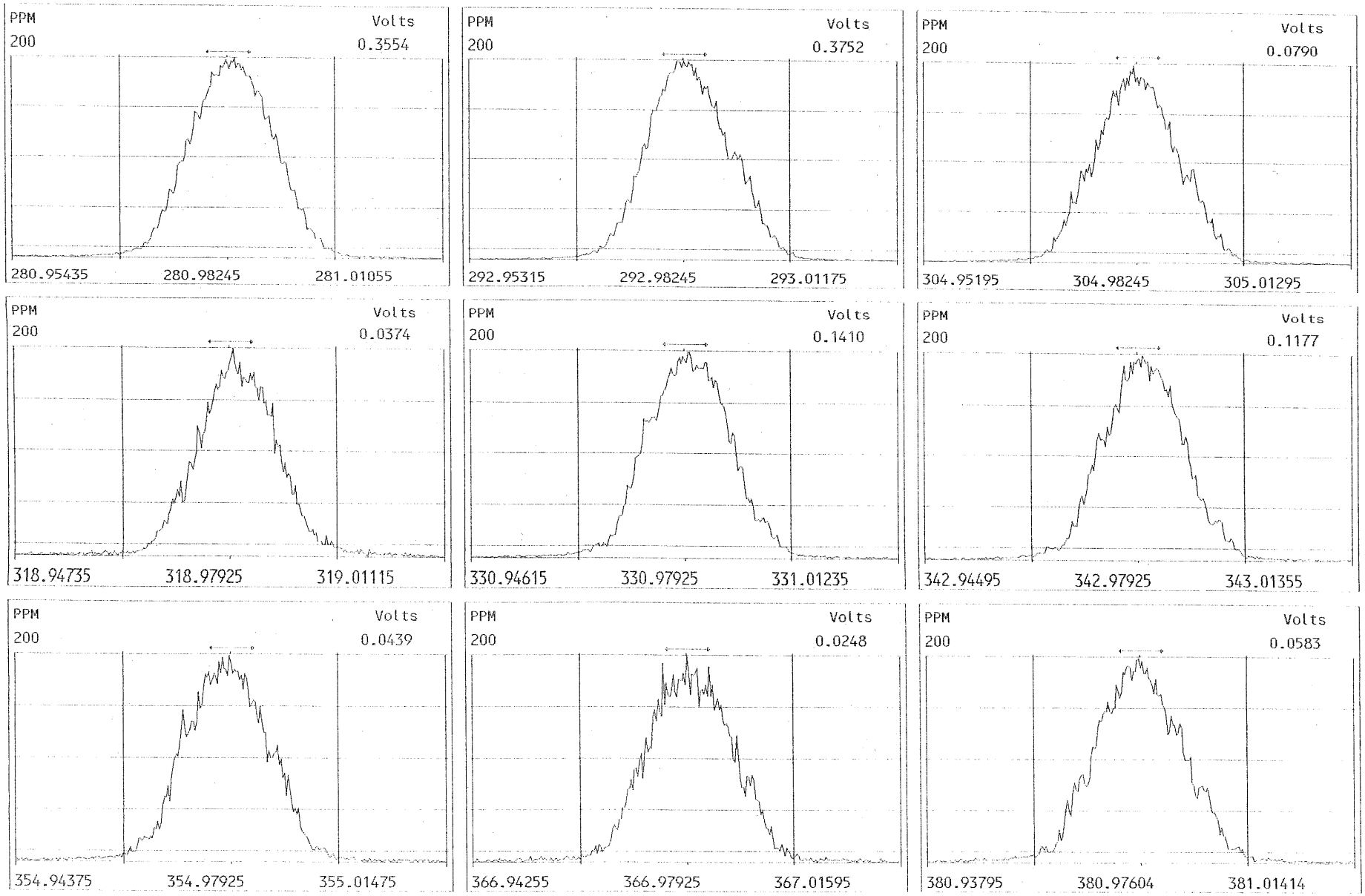




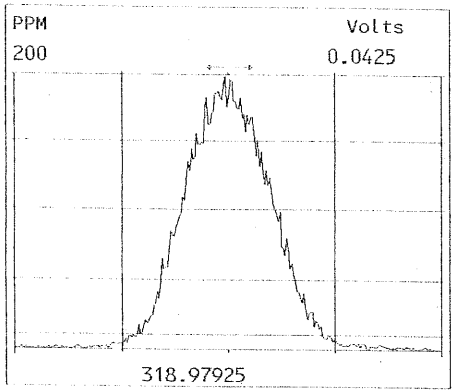


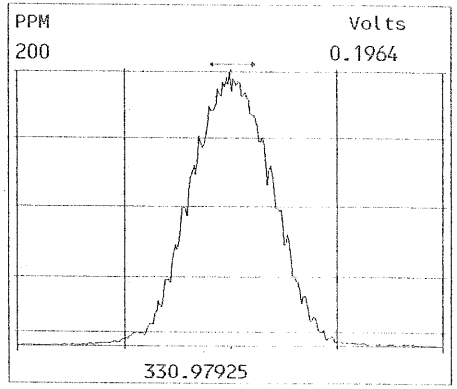
Peak Locate Examination:27-OCT-2020:20:53 File:27OCT20Z_RES_CHECK

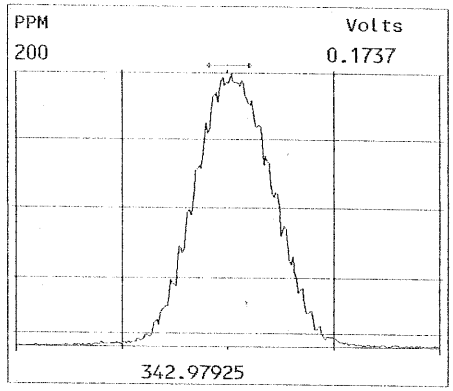
Experiment:1668PCB Function:4 Reference:PFK

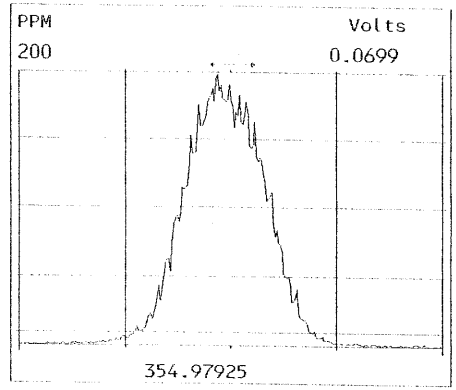


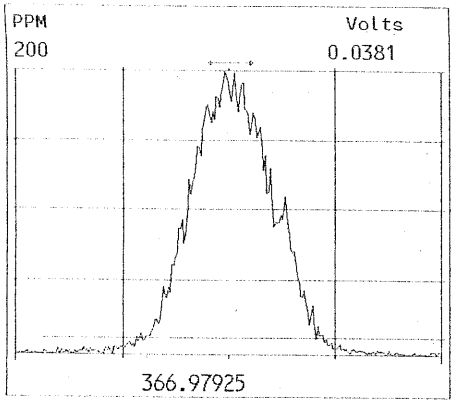
Peak Locate Examination:27-OCT-2020:20:55 File:27OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

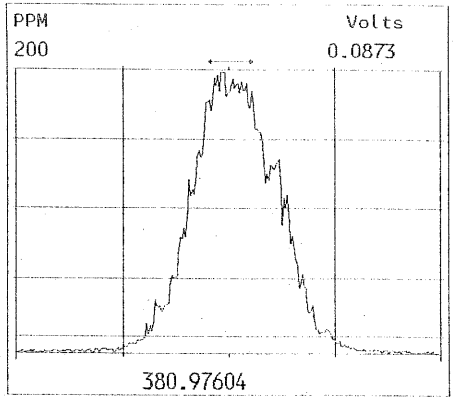


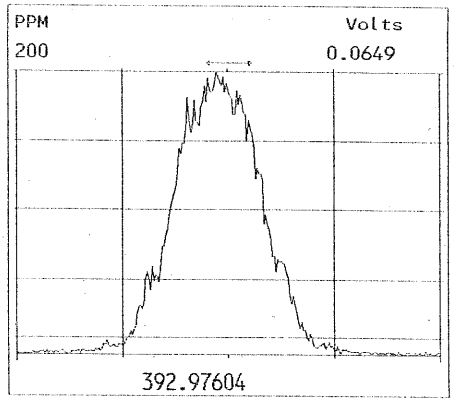


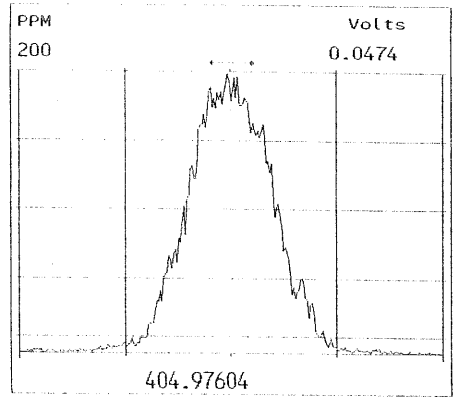


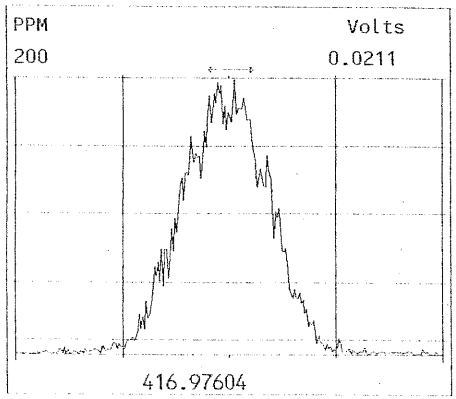


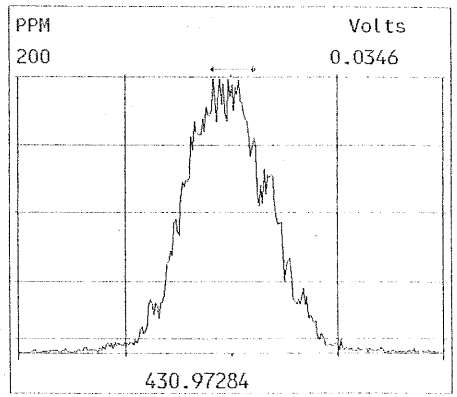


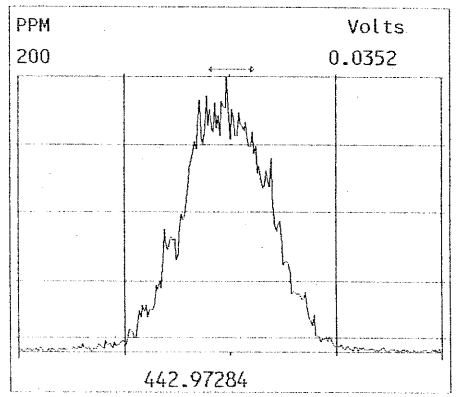












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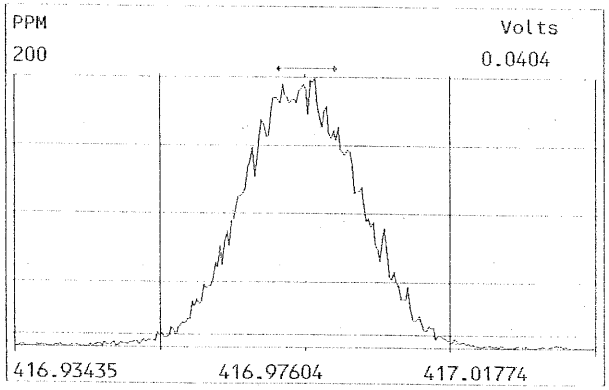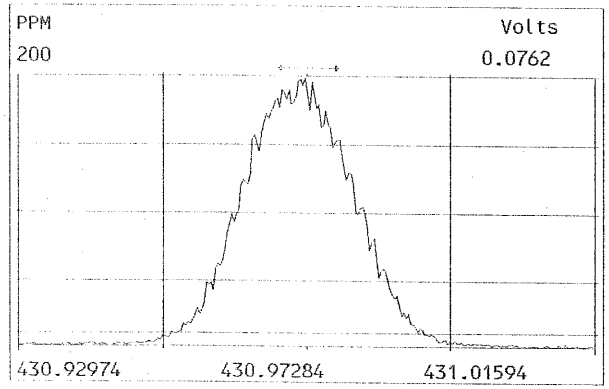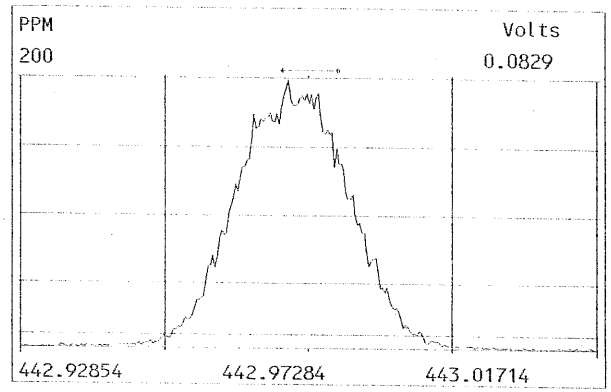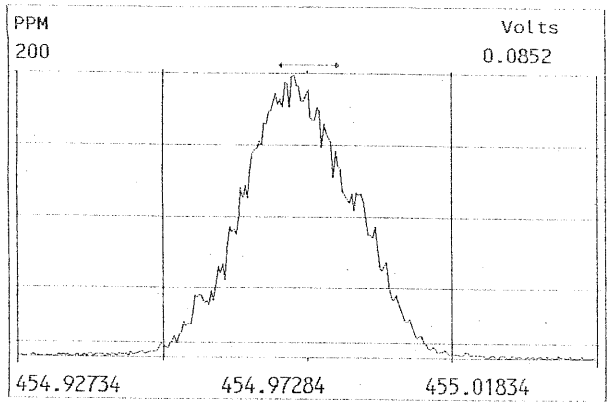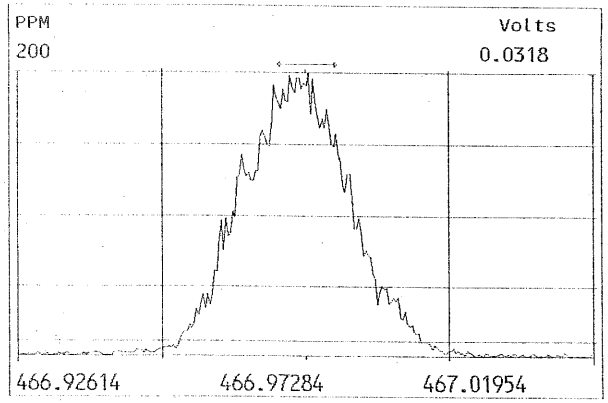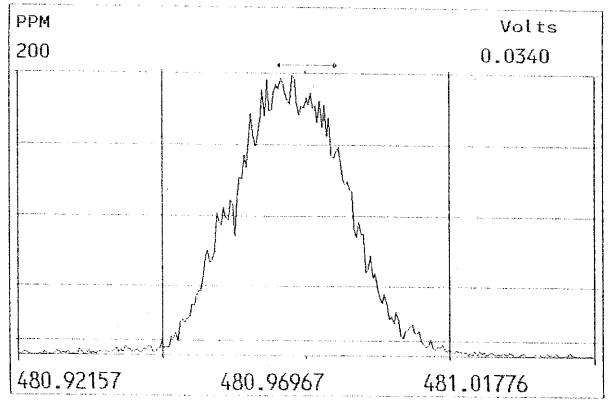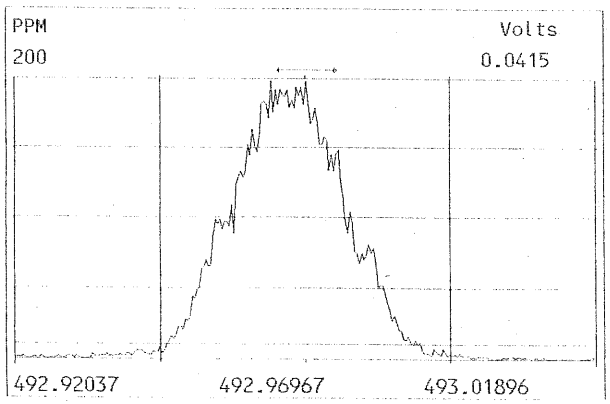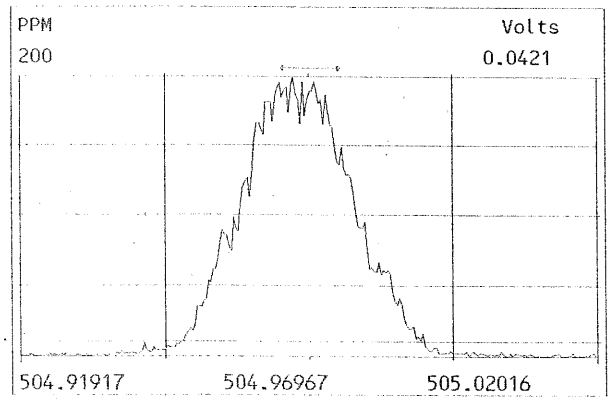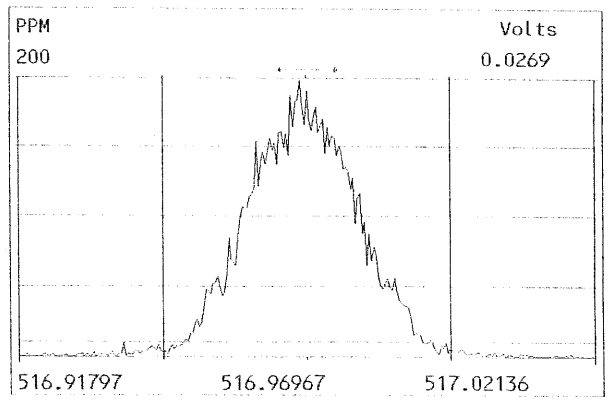
Experiment:1668PCB Function:6 Reference:PFK