October 29, 2020

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

Dear: Dr. Heavner,

The following results are associated with Frontier Analytical Laboratory project **13372**. These results correspond to your **LDW ENR/AC Pilot Study** project. Twenty SPME fibers/Hexane samples were received on 10/01/2020 in good condition. All twenty SPME fiber/hexane samples were processed following EPA Method 1668C. As per your e-mail instructions received on 10/8/2020, only samples 13372-003-SA, 13372-004-SA, 13372-005-SA, 13372-008-SA, 13372-009-SA, 13372-010-SA, 13372-011-SA, 13372-014-SA, 13372-015-SA, 13372-016-SA, 13372-017-SA, 13372-019-SA and 13372-020-SA (Floyd Snider Sample IDs: LDW-Y3-SC-ENR+AC-S010-DEP, LDW-Y3-SC-ENR-CA-S010, LDW-Y3-SC-ENR-CA-S010-LONG, LDW-Y3-SC-ENR-CC-S010, LDW-Y3-SC-ENR-CC-S010-LONG, LDW-Y3-SC-ENR-CD-S010, LDW-Y3-SC-ENR-CD-S010-LONG, LDW-Y3-SC-ENR-S010-DEP, LDW-Y3-SC-S010-TB, LDW-Y3-SU-ENR+AC-CA-S010, LDW-Y3-SU-ENR+AC-CA-S010-BIO, LDW-Y3-SU-ENR+AC-CB-S010-BIO and LDW-Y3-SU-ENR+AC-CC-S010 respectively) were analyzed for all 209 polychlorinated biphenyls (PCBs). The remaining seven sample extracts have been placed on hold as per your e-mail instructions. The total PCB concentration is listed in the upper right hand corner of the first data page (Page 1 of 3) of each EPA Method 1668C sample. A turnaround time of twenty-two days was provided for this project **13372**.

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 **13372**, 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: **13372**

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
13372-001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CE-S010	EPA 1668 PCB	Solvent	09/29/2020	02:12 pm	09/29/2021
13372-002-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-CE-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:16 pm	09/29/2021
13372-003-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR+AC-S010-DEP	EPA 1668 PCB	Solvent	09/28/2020	02:49 pm	09/28/2021
13372-004-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CA-S010	EPA 1668 PCB	Solvent	09/29/2020	02:36 pm	09/29/2021
13372-005-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CA-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:27 pm	09/29/2021
13372-006-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CB-S010	EPA 1668 PCB	Solvent	09/29/2020	02:55 pm	09/29/2021
13372-007-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CB-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:37 pm	09/29/2021
13372-008-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CC-S010	EPA 1668 PCB	Solvent	09/29/2020	02:46 pm	09/29/2021
13372-009-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CC-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:44 pm	09/29/2021
13372-010-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CD-S010	EPA 1668 PCB	Solvent	09/29/2020	03:01 pm	09/29/2021
13372-011-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CD-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	04:53 pm	09/29/2021
13372-012-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CE-S010	EPA 1668 PCB	Solvent	09/29/2020	03:11 pm	09/29/2021
13372-013-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-CE-S010-LONG	EPA 1668 PCB	Solvent	09/29/2020	05:02 pm	09/29/2021
13372-014-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-ENR-S010-DEP	EPA 1668 PCB	Solvent	09/28/2020	02:40 pm	09/28/2021
13372-015-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SC-S010-TB	EPA 1668 PCB	Solvent	09/28/2020	03:00 pm	09/28/2021
13372-016-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SU-ENR+AC-CA-S010	EPA 1668 PCB	Solvent	09/28/2020	09:58 am	09/28/2021
13372-017-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SU-ENR+AC-CA-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	01:21 pm	09/28/2021
13372-018-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SU-ENR+AC-CB-S010	EPA 1668 PCB	Solvent	09/28/2020	10:14 am	09/28/2021
13372-019-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SU-ENR+AC-CB-S010-BIO	EPA 1668 PCB	Solvent	09/28/2020	01:30 pm	09/28/2021
13372-020-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-SU-ENR+AC-CC-S010	EPA 1668 PCB	Solvent	09/28/2020	10:22 am	09/28/2021

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EPA Method 1668
PCBs

FAL ID: 13372-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 0.0

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

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EPA Method 1668
PCBs

FAL ID: 13372-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

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

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-001-MB
Client ID: Method Blank
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

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

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

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

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-001-OPR
Client ID: OPR
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

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

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

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-001-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: 13372-001-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: 13372-001-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: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-001-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: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-003-SA
Client ID: LDW-Y3-SC-ENR+AC-S010-DEP
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 70000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.51			PCB-51	88.3	-		
PCB-2	ND	6.06			PCB-52	1030	-	C	69
PCB-3	ND	6.66			PCB-53	213	-		
PCB-4	60.6	-			PCB-54	ND	7.73		
PCB-5	ND	11.0			PCB-55	67.1	-		
PCB-6	46.4	-			PCB-56	391	-	C	60
PCB-7	ND	10.7			PCB-57	ND	7.45		
PCB-8	160	-			PCB-58	ND	7.48		
PCB-9	ND	11.3			PCB-59	-	-	C042	42
PCB-10	ND	10.2			PCB-60	-	-	C056	56
PCB-11	57.0	-			PCB-61	601	-	C	70
PCB-12	ND	12.0			PCB-62	ND	8.48		
PCB-13	ND	11.6			PCB-63	27.1	-		
PCB-14	1100	-			PCB-64	-	-	C041	41/71/72
PCB-15	75.4	-			PCB-65	ND	7.50		
PCB-16	178	-			PCB-66	490	-	C	76
PCB-17	267	-			PCB-67	24.5	-		
PCB-18	702	-			PCB-68	16.9	-	J	
PCB-19	89.0	-			PCB-69	-	-	C052	52
PCB-20	395	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	200	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.86			PCB-73	27.8	-		
PCB-24	16.2	-	J		PCB-74	275	-		
PCB-25	93.1	-			PCB-75	-	-	C048	48
PCB-26	165	-			PCB-76	-	-	C066	66
PCB-27	67.0	-			PCB-77	35.6	-		
PCB-28	593	-			PCB-78	4210	-		
PCB-29	ND	7.51			PCB-79	15.9	-	J	
PCB-30	ND	5.92			PCB-80	13.6	-	J	
PCB-31	628	-			PCB-81	ND	10.1		
PCB-32	228	-			PCB-82	89.5	-		
PCB-33	-	-	C020	20/21	PCB-83	45.3	-	C	112
PCB-34	ND	7.60			PCB-84	503	-	C	92
PCB-35	ND	7.82			PCB-85	122	-	C	116
PCB-36	1230	-			PCB-86	ND	9.01		
PCB-37	128	-			PCB-87	282	-	C	117/125
PCB-38	ND	7.41			PCB-88	ND	8.81	C	91
PCB-39	ND	7.35			PCB-89	16.3	-	J	
PCB-40	141	-			PCB-90	947	-	C	101
PCB-41	617	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	305	-	C	59	PCB-92	-	-	C084	84
PCB-43	769	-	C	49	PCB-93	ND	9.15		
PCB-44	724	-			PCB-94	ND	9.73		
PCB-45	189	-			PCB-95	981	-		
PCB-46	83.3	-			PCB-96	18.0	-	J	
PCB-47	293	-			PCB-97	255	-		
PCB-48	162	-	C	75	PCB-98	ND	9.62	C	102
PCB-49	-	-	C043	43	PCB-99	381	-		
PCB-50	ND	9.70			PCB-100	31.4	-		

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EPA Method 1668
PCBs

FAL ID: 13372-003-SA
Client ID: LDW-Y3-SC-ENR+AC-S010-DEP
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	233	-		
PCB-102	-	-	C098	98	PCB-152	ND	9.99		
PCB-103	33.0	-			PCB-153	708	-		
PCB-104	3820	-			PCB-154	47.4	-		
PCB-105	168	-			PCB-155	6370	-		
PCB-106	444	-	C	118	PCB-156	43.5	-		
PCB-107	42.3	-	C	108	PCB-157	ND	9.16		
PCB-108	-	-	C107	107	PCB-158	65.3	-	C	160
PCB-109	ND	6.32			PCB-159	21.7	-		
PCB-110	797	-			PCB-160	-	-	C158	158
PCB-111	14.8	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.93			PCB-163	-	-	C138	138/164
PCB-114	12.7	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.17		
PCB-117	-	-	C087	87/125	PCB-167	17.5	-	J	
PCB-118	-	-	C	106	PCB-168	ND	7.95		
PCB-119	29.7	-			PCB-169	ND	8.00		
PCB-120	ND	5.66			PCB-170	116	-		
PCB-121	5260	-			PCB-171	53.0	-		
PCB-122	ND	5.91			PCB-172	182	-		
PCB-123	10.4	-	J		PCB-173	ND	10.3		
PCB-124	30.0	-			PCB-174	166	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.89		
PCB-126	ND	6.79			PCB-176	38.1	-		
PCB-127	ND	6.32			PCB-177	110	-		
PCB-128	84.2	-	C	162	PCB-178	50.9	-		
PCB-129	28.7	-			PCB-179	99.5	-		
PCB-130	43.2	-			PCB-180	281	-		
PCB-131	26.4	-	C	133	PCB-181	ND	9.61		
PCB-132	250	-	C	161	PCB-182	242	-	C	187
PCB-133	-	-	C131	131	PCB-183	118	-		
PCB-134	51.3	-	C	143	PCB-184	6670	-		
PCB-135	119	-			PCB-185	24.8	-		
PCB-136	186	-			PCB-186	ND	6.76		
PCB-137	25.8	-			PCB-187	-	-	C182	182
PCB-138	620	-	C	163/164	PCB-188	30.4	-		
PCB-139	751	-	C	149	PCB-189	ND	6.36		
PCB-140	14.2	-	J		PCB-190	27.6	-		
PCB-141	118	-			PCB-191	ND	7.34		
PCB-142	959	-			PCB-192	5490	-		
PCB-143	-	-	C134	134	PCB-193	21.4	-		
PCB-144	52.6	-			PCB-194	33.9	-		
PCB-145	ND	9.90			PCB-195	ND	6.99		
PCB-146	118	-	C	165	PCB-196	45.3	-	C	203
PCB-147	26.4	-			PCB-197	68.9	-		
PCB-148	ND	12.8			PCB-198	ND	10.5		
PCB-149	-	-	C139	139	PCB-199	45.5	-		
PCB-150	ND	9.86			PCB-200	ND	7.91		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-003-SA
Client ID: LDW-Y3-SC-ENR+AC-S010-DEP
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.91		
PCB-202	ND	9.00		
PCB-203	-	-	C196	196
PCB-204	13300	-		
PCB-205	ND	5.56		
PCB-206	16.4	-	J	
PCB-207	49.3	-		
PCB-208	ND	5.49		
PCB-209	75.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	96.5	5.00 - 145	
13C-PCB-3	95.6	5.00 - 145	
13C-PCB-4	90.2	5.00 - 145	
13C-PCB-15	98.0	5.00 - 145	
13C-PCB-19	92.7	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	104	5.00 - 145	
13C-PCB-77	100	10.0 - 145	
13C-PCB-81	102	10.0 - 145	
13C-PCB-104	95.1	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	101	10.0 - 145	
13C-PCB-118	103	10.0 - 145	
13C-PCB-123	106	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	97.1	10.0 - 145	
13C-PCB-156	105	10.0 - 145	
13C-PCB-157	107	10.0 - 145	
13C-PCB-167	104	10.0 - 145	
13C-PCB-169	114	10.0 - 145	
13C-PCB-188	90.0	10.0 - 145	
13C-PCB-189	106	10.0 - 145	
13C-PCB-202	95.1	10.0 - 145	
13C-PCB-205	105	10.0 - 145	
13C-PCB-206	102	10.0 - 145	
13C-PCB-208	102	10.0 - 145	
13C-PCB-209	100	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	95.1	5.00 - 145	
13C-PCB-111	99.6	10.0 - 145	
13C-PCB-178	89.7	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-004-SA
Client ID: LDW-Y3-SC-ENR-CA-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 61500

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.79			PCB-51	59.1	-		
PCB-2	ND	4.11			PCB-52	839	-	C	69
PCB-3	ND	4.46			PCB-53	163	-		
PCB-4	110	-			PCB-54	ND	7.12		
PCB-5	ND	7.94			PCB-55	55.9	-		
PCB-6	60.0	-			PCB-56	285	-	C	60
PCB-7	ND	7.78			PCB-57	ND	6.86		
PCB-8	246	-			PCB-58	ND	6.89		
PCB-9	ND	8.15			PCB-59	-	-	C042	42
PCB-10	ND	7.41			PCB-60	-	-	C056	56
PCB-11	41.6	-			PCB-61	488	-	C	70
PCB-12	ND	8.67			PCB-62	ND	7.80		
PCB-13	ND	8.42			PCB-63	21.3	-		
PCB-14	1170	-			PCB-64	-	-	C041	41/71/72
PCB-15	64.3	-			PCB-65	ND	6.91		
PCB-16	234	-			PCB-66	410	-	C	76
PCB-17	334	-			PCB-67	21.7	-		
PCB-18	809	-			PCB-68	16.3	-	J	
PCB-19	121	-			PCB-69	-	-	C052	52
PCB-20	414	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	206	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.02			PCB-73	ND	6.60		
PCB-24	33.9	-			PCB-74	214	-		
PCB-25	91.1	-			PCB-75	-	-	C048	48
PCB-26	146	-			PCB-76	-	-	C066	66
PCB-27	61.5	-			PCB-77	27.1	-		
PCB-28	637	-			PCB-78	3490	-		
PCB-29	ND	5.76			PCB-79	ND	6.85		
PCB-30	ND	3.85			PCB-80	14.1	-	J	
PCB-31	607	-			PCB-81	13.8	-	J	
PCB-32	285	-			PCB-82	72.5	-		
PCB-33	-	-	C020	20/21	PCB-83	35.2	-	C	112
PCB-34	ND	5.82			PCB-84	394	-	C	92
PCB-35	ND	6.00			PCB-85	93.9	-	C	116
PCB-36	1130	-			PCB-86	ND	10.3		
PCB-37	106	-			PCB-87	212	-	C	117/125
PCB-38	ND	5.68			PCB-88	ND	8.52	C	91
PCB-39	ND	5.63			PCB-89	17.8	-	J	
PCB-40	111	-			PCB-90	724	-	C	101
PCB-41	496	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	247	-	C	59	PCB-92	-	-	C084	84
PCB-43	565	-	C	49	PCB-93	ND	8.85		
PCB-44	583	-			PCB-94	ND	9.41		
PCB-45	164	-			PCB-95	781	-		
PCB-46	68.5	-			PCB-96	ND	6.78		
PCB-47	206	-			PCB-97	205	-		
PCB-48	139	-	C	75	PCB-98	ND	9.30	C	102
PCB-49	-	-	C043	43	PCB-99	286	-		
PCB-50	17.2	-	J		PCB-100	23.1	-		

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EPA Method 1668
PCBs

FAL ID: 13372-004-SA
Client ID: LDW-Y3-SC-ENR-CA-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	164	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.22		
PCB-103	18.7	-	J		PCB-153	520	-		
PCB-104	3260	-			PCB-154	39.4	-		
PCB-105	132	-			PCB-155	5310	-		
PCB-106	356	-	C	118	PCB-156	32.9	-		
PCB-107	30.8	-	C	108	PCB-157	ND	6.80		
PCB-108	-	-	C107	107	PCB-158	47.0	-	C	160
PCB-109	ND	7.22			PCB-159	18.3	-	J	
PCB-110	606	-			PCB-160	-	-	C158	158
PCB-111	11.2	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.92			PCB-163	-	-	C138	138/164
PCB-114	11.3	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.39		
PCB-117	-	-	C087	87/125	PCB-167	17.2	-	J	
PCB-118	-	-	C	106	PCB-168	ND	6.22		
PCB-119	23.5	-			PCB-169	ND	6.20		
PCB-120	ND	6.46			PCB-170	76.0	-		
PCB-121	4680	-			PCB-171	37.2	-		
PCB-122	ND	6.37			PCB-172	148	-		
PCB-123	9.52	-	J		PCB-173	ND	10.6		
PCB-124	21.9	-			PCB-174	99.8	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.15		
PCB-126	ND	7.21			PCB-176	ND	6.91		
PCB-127	ND	6.81			PCB-177	79.7	-		
PCB-128	61.1	-	C	162	PCB-178	37.0	-		
PCB-129	22.7	-			PCB-179	62.9	-		
PCB-130	36.7	-			PCB-180	205	-		
PCB-131	18.0	-	C,J	133	PCB-181	ND	9.89		
PCB-132	156	-	C	161	PCB-182	163	-	C	187
PCB-133	-	-	C131,J	131	PCB-183	76.4	-		
PCB-134	40.3	-	C	143	PCB-184	6180	-		
PCB-135	78.0	-			PCB-185	ND	9.30		
PCB-136	131	-			PCB-186	ND	6.95		
PCB-137	15.7	-	J		PCB-187	-	-	C182	182
PCB-138	430	-	C	163/164	PCB-188	ND	7.71		
PCB-139	481	-	C	149	PCB-189	ND	6.78		
PCB-140	ND	7.65			PCB-190	ND	7.69		
PCB-141	75.7	-			PCB-191	ND	7.56		
PCB-142	824	-			PCB-192	5250	-		
PCB-143	-	-	C134	134	PCB-193	ND	7.24		
PCB-144	35.5	-			PCB-194	22.7	-		
PCB-145	ND	8.15			PCB-195	ND	7.36		
PCB-146	82.0	-	C	165	PCB-196	38.3	-	C	203
PCB-147	15.2	-	J		PCB-197	66.8	-		
PCB-148	ND	10.5			PCB-198	ND	11.3		
PCB-149	-	-	C139	139	PCB-199	44.9	-		
PCB-150	ND	8.12			PCB-200	ND	8.54		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-004-SA
Client ID: LDW-Y3-SC-ENR-CA-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	8.55		
PCB-202	ND	9.72		
PCB-203	-	-	C196	196
PCB-204	12500	-		
PCB-205	ND	5.85		
PCB-206	ND	6.30		
PCB-207	45.0	-		
PCB-208	ND	4.66		
PCB-209	76.3	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	94.1	5.00 - 145	
13C-PCB-3	92.9	5.00 - 145	
13C-PCB-4	88.7	5.00 - 145	
13C-PCB-15	92.0	5.00 - 145	
13C-PCB-19	83.4	5.00 - 145	
13C-PCB-37	96.9	5.00 - 145	
13C-PCB-54	100	5.00 - 145	
13C-PCB-77	95.8	10.0 - 145	
13C-PCB-81	94.2	10.0 - 145	
13C-PCB-104	86.1	10.0 - 145	
13C-PCB-105	101	10.0 - 145	
13C-PCB-114	99.5	10.0 - 145	
13C-PCB-118	98.9	10.0 - 145	
13C-PCB-123	103	10.0 - 145	
13C-PCB-126	108	10.0 - 145	
13C-PCB-155	90.7	10.0 - 145	
13C-PCB-156	104	10.0 - 145	
13C-PCB-157	105	10.0 - 145	
13C-PCB-167	99.2	10.0 - 145	
13C-PCB-169	110	10.0 - 145	
13C-PCB-188	84.9	10.0 - 145	
13C-PCB-189	92.3	10.0 - 145	
13C-PCB-202	80.7	10.0 - 145	
13C-PCB-205	93.2	10.0 - 145	
13C-PCB-206	98.2	10.0 - 145	
13C-PCB-208	97.5	10.0 - 145	
13C-PCB-209	87.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	96.2	5.00 - 145	
13C-PCB-111	94.5	10.0 - 145	
13C-PCB-178	82.1	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-005-SA
Client ID: LDW-Y3-SC-ENR-CA-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 63000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	3.71			PCB-51	90.7	-		
PCB-2	ND	4.02			PCB-52	1150	-	C	69
PCB-3	ND	4.35			PCB-53	249	-		
PCB-4	154	-			PCB-54	ND	5.47		
PCB-5	ND	8.33			PCB-55	68.0	-		
PCB-6	84.4	-			PCB-56	464	-	C	60
PCB-7	ND	8.16			PCB-57	ND	5.27		
PCB-8	333	-			PCB-58	ND	5.30		
PCB-9	23.4	-			PCB-59	-	-	C042	42
PCB-10	ND	7.78			PCB-60	-	-	C056	56
PCB-11	36.3	-			PCB-61	697	-	C	70
PCB-12	ND	9.10			PCB-62	ND	6.00		
PCB-13	ND	8.83			PCB-63	33.3	-		
PCB-14	644	-			PCB-64	-	-	C041	41/71/72
PCB-15	91.9	-			PCB-65	ND	5.31		
PCB-16	261	-			PCB-66	580	-	C	76
PCB-17	427	-			PCB-67	27.6	-		
PCB-18	1090	-			PCB-68	13.7	-	J	
PCB-19	154	-			PCB-69	-	-	C052	52
PCB-20	556	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	291	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.28			PCB-73	19.7	-	J	
PCB-24	52.6	-			PCB-74	314	-		
PCB-25	118	-			PCB-75	-	-	C048	48
PCB-26	203	-			PCB-76	-	-	C066	66
PCB-27	69.5	-			PCB-77	48.6	-		
PCB-28	822	-			PCB-78	3220	-		
PCB-29	ND	7.91			PCB-79	14.6	-	J	
PCB-30	ND	8.48			PCB-80	11.4	-	J	
PCB-31	873	-			PCB-81	29.3	-		
PCB-32	405	-			PCB-82	97.7	-		
PCB-33	-	-	C020	20/21	PCB-83	45.8	-	C	112
PCB-34	ND	8.00			PCB-84	504	-	C	92
PCB-35	ND	8.24			PCB-85	123	-	C	116
PCB-36	799	-			PCB-86	ND	11.8		
PCB-37	152	-			PCB-87	298	-	C	117/125
PCB-38	ND	7.81			PCB-88	ND	7.09	C	91
PCB-39	ND	7.74			PCB-89	16.5	-	J	
PCB-40	163	-			PCB-90	962	-	C	101
PCB-41	718	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	350	-	C	59	PCB-92	-	-	C084	84
PCB-43	839	-	C	49	PCB-93	ND	7.36		
PCB-44	831	-			PCB-94	10.0	-	J	
PCB-45	244	-			PCB-95	984	-		
PCB-46	106	-			PCB-96	16.1	-	J	
PCB-47	297	-			PCB-97	281	-		
PCB-48	197	-	C	75	PCB-98	ND	7.74	C	102
PCB-49	-	-	C043	43	PCB-99	388	-		
PCB-50	16.3	-	J		PCB-100	18.1	-	J	

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EPA Method 1668
PCBs

FAL ID: 13372-005-SA
Client ID: LDW-Y3-SC-ENR-CA-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	232	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.52		
PCB-103	27.1	-			PCB-153	696	-		
PCB-104	2770	-			PCB-154	35.9	-		
PCB-105	164	-			PCB-155	5100	-		
PCB-106	480	-	C	118	PCB-156	42.7	-		
PCB-107	39.7	-	C	108	PCB-157	13.9	-	J	
PCB-108	-	-	C107	107	PCB-158	55.7	-	C	160
PCB-109	ND	8.26			PCB-159	13.4	-	J	
PCB-110	816	-			PCB-160	-	-	C158	158
PCB-111	17.7	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.06			PCB-163	-	-	C138	138/164
PCB-114	12.1	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.12		
PCB-117	-	-	C087	87/125	PCB-167	18.2	-	J	
PCB-118	-	-	C	106	PCB-168	ND	7.90		
PCB-119	27.6	-			PCB-169	ND	7.71		
PCB-120	ND	7.40			PCB-170	99.7	-		
PCB-121	4150	-			PCB-171	46.7	-		
PCB-122	10.3	-	J		PCB-172	154	-		
PCB-123	13.8	-	J		PCB-173	ND	7.83		
PCB-124	26.4	-			PCB-174	147	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.79		
PCB-126	ND	7.69			PCB-176	30.1	-		
PCB-127	ND	6.65			PCB-177	100	-		
PCB-128	79.4	-	C	162	PCB-178	36.9	-		
PCB-129	27.8	-			PCB-179	86.4	-		
PCB-130	49.0	-			PCB-180	249	-		
PCB-131	29.5	-	C	133	PCB-181	ND	7.33		
PCB-132	196	-	C	161	PCB-182	201	-	C	187
PCB-133	-	-	C131	131	PCB-183	98.3	-		
PCB-134	49.6	-	C	143	PCB-184	5660	-		
PCB-135	116	-			PCB-185	ND	6.90		
PCB-136	166	-			PCB-186	ND	5.16		
PCB-137	22.4	-			PCB-187	-	-	C182	182
PCB-138	603	-	C	163/164	PCB-188	ND	5.71		
PCB-139	709	-	C	149	PCB-189	ND	5.05		
PCB-140	ND	9.72			PCB-190	27.6	-		
PCB-141	108	-			PCB-191	ND	5.60		
PCB-142	817	-			PCB-192	4640	-		
PCB-143	-	-	C134	134	PCB-193	ND	5.37		
PCB-144	39.0	-			PCB-194	35.9	-		
PCB-145	ND	8.44			PCB-195	ND	9.55		
PCB-146	110	-	C	165	PCB-196	54.6	-	C	203
PCB-147	16.2	-	J		PCB-197	53.0	-		
PCB-148	ND	10.9			PCB-198	ND	12.6		
PCB-149	-	-	C139	139	PCB-199	48.1	-		
PCB-150	ND	8.41			PCB-200	ND	9.51		

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EPA Method 1668
PCBs

FAL ID: 13372-005-SA
Client ID: LDW-Y3-SC-ENR-CA-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	9.52		
PCB-202	ND	10.8		
PCB-203	-	-	C196	196
PCB-204	11100	-		
PCB-205	ND	7.59		
PCB-206	ND	6.44		
PCB-207	42.4	-		
PCB-208	ND	4.55		
PCB-209	54.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	97.1	5.00 - 145	
13C-PCB-3	97.4	5.00 - 145	
13C-PCB-4	97.2	5.00 - 145	
13C-PCB-15	97.0	5.00 - 145	
13C-PCB-19	91.4	5.00 - 145	
13C-PCB-37	104	5.00 - 145	
13C-PCB-54	101	5.00 - 145	
13C-PCB-77	95.5	10.0 - 145	
13C-PCB-81	98.6	10.0 - 145	
13C-PCB-104	98.3	10.0 - 145	
13C-PCB-105	96.1	10.0 - 145	
13C-PCB-114	96.3	10.0 - 145	
13C-PCB-118	98.0	10.0 - 145	
13C-PCB-123	103	10.0 - 145	
13C-PCB-126	99.7	10.0 - 145	
13C-PCB-155	91.9	10.0 - 145	
13C-PCB-156	97.0	10.0 - 145	
13C-PCB-157	98.7	10.0 - 145	
13C-PCB-167	98.3	10.0 - 145	
13C-PCB-169	106	10.0 - 145	
13C-PCB-188	82.3	10.0 - 145	
13C-PCB-189	92.8	10.0 - 145	
13C-PCB-202	90.0	10.0 - 145	
13C-PCB-205	99.1	10.0 - 145	
13C-PCB-206	97.9	10.0 - 145	
13C-PCB-208	93.6	10.0 - 145	
13C-PCB-209	94.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	100	5.00 - 145	
13C-PCB-111	100	10.0 - 145	
13C-PCB-178	85.7	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-008-SA
Client ID: LDW-Y3-SC-ENR-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
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: 79100

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.50			PCB-51	122	-		
PCB-2	ND	5.52			PCB-52	1500	-	C	69
PCB-3	ND	6.10			PCB-53	349	-		
PCB-4	180	-			PCB-54	12.1	-	J	
PCB-5	ND	9.00			PCB-55	76.3	-		
PCB-6	128	-			PCB-56	609	-	C	60
PCB-7	28.7	-			PCB-57	ND	6.50		
PCB-8	516	-			PCB-58	ND	6.83		
PCB-9	17.3	-	J		PCB-59	-	-	C042	42
PCB-10	ND	7.95			PCB-60	-	-	C056	56
PCB-11	58.0	-			PCB-61	1030	-	C	70
PCB-12	12.0	-	J		PCB-62	ND	7.29		
PCB-13	17.8	-	J		PCB-63	39.3	-		
PCB-14	960	-			PCB-64	-	-	C041	41/71/72
PCB-15	128	-			PCB-65	ND	6.43		
PCB-16	549	-			PCB-66	809	-	C	76
PCB-17	853	-			PCB-67	50.8	-		
PCB-18	2120	-			PCB-68	24.3	-		
PCB-19	235	-			PCB-69	-	-	C052	52
PCB-20	1130	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	566	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	8.77			PCB-73	33.6	-		
PCB-24	111	-			PCB-74	482	-		
PCB-25	190	-			PCB-75	-	-	C048	48
PCB-26	330	-			PCB-76	-	-	C066	66
PCB-27	86.0	-			PCB-77	62.7	-		
PCB-28	1560	-			PCB-78	3330	-		
PCB-29	18.4	-	J		PCB-79	11.4	-	J	
PCB-30	ND	8.72			PCB-80	32.7	-		
PCB-31	1460	-			PCB-81	31.7	-		
PCB-32	675	-			PCB-82	93.5	-		
PCB-33	-	-	C020	20/21	PCB-83	48.3	-	C	112
PCB-34	14.7	-	J		PCB-84	514	-	C	92
PCB-35	19.2	-	J		PCB-85	140	-	C	116
PCB-36	985	-			PCB-86	ND	12.1		
PCB-37	276	-			PCB-87	307	-	C	117/125
PCB-38	11.0	-	J		PCB-88	ND	12.0	C	91
PCB-39	ND	9.56			PCB-89	18.9	-	J	
PCB-40	235	-			PCB-90	1020	-	C	101
PCB-41	1070	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	504	-	C	59	PCB-92	-	-	C084	84
PCB-43	1140	-	C	49	PCB-93	ND	6.76		
PCB-44	1260	-			PCB-94	16.4	-	J	
PCB-45	325	-			PCB-95	1110	-		
PCB-46	145	-			PCB-96	17.8	-	J	
PCB-47	425	-			PCB-97	290	-		
PCB-48	322	-	C	75	PCB-98	ND	8.08	C	102
PCB-49	-	-	C043	43	PCB-99	405	-		
PCB-50	13.7	-	J		PCB-100	24.8	-		

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EPA Method 1668
PCBs

FAL ID: 13372-008-SA
Client ID: LDW-Y3-SC-ENR-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
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	228	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.59		
PCB-103	29.6	-			PCB-153	669	-		
PCB-104	2890	-			PCB-154	34.2	-		
PCB-105	197	-			PCB-155	5500	-		
PCB-106	561	-	C	118	PCB-156	44.5	-		
PCB-107	48.8	-	C	108	PCB-157	12.5	-	J	
PCB-108	-	-	C107	107	PCB-158	63.0	-	C	160
PCB-109	ND	8.48			PCB-159	15.7	-	J	
PCB-110	850	-			PCB-160	-	-	C158	158
PCB-111	12.7	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.25			PCB-163	-	-	C138	138/164
PCB-114	15.0	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.82		
PCB-117	-	-	C087	87/125	PCB-167	20.4	-		
PCB-118	-	-	C	106	PCB-168	ND	9.05		
PCB-119	26.6	-			PCB-169	ND	9.09		
PCB-120	ND	7.35			PCB-170	118	-		
PCB-121	5260	-			PCB-171	42.0	-		
PCB-122	12.7	-	J		PCB-172	192	-		
PCB-123	11.8	-	J		PCB-173	ND	9.55		
PCB-124	33.1	-			PCB-174	178	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.21		
PCB-126	ND	9.64			PCB-176	29.7	-		
PCB-127	ND	8.12			PCB-177	105	-		
PCB-128	90.3	-	C	162	PCB-178	40.3	-		
PCB-129	31.7	-			PCB-179	85.6	-		
PCB-130	42.9	-			PCB-180	306	-		
PCB-131	28.7	-	C	133	PCB-181	ND	8.68		
PCB-132	210	-	C	161	PCB-182	220	-	C	187
PCB-133	-	-	C131	131	PCB-183	104	-		
PCB-134	52.8	-	C	143	PCB-184	6150	-		
PCB-135	137	-			PCB-185	32.0	-		
PCB-136	185	-			PCB-186	ND	6.43		
PCB-137	24.0	-			PCB-187	-	-	C182	182
PCB-138	671	-	C	163/164	PCB-188	ND	7.16		
PCB-139	764	-	C	149	PCB-189	ND	6.47		
PCB-140	ND	9.89			PCB-190	30.4	-		
PCB-141	107	-			PCB-191	ND	6.75		
PCB-142	772	-			PCB-192	5880	-		
PCB-143	-	-	C134	134	PCB-193	21.4	-		
PCB-144	43.6	-			PCB-194	34.2	-		
PCB-145	ND	7.13			PCB-195	20.6	-		
PCB-146	112	-	C	165	PCB-196	52.9	-	C	203
PCB-147	19.2	-	J		PCB-197	81.8	-		
PCB-148	ND	8.26			PCB-198	ND	10.0		
PCB-149	-	-	C139	139	PCB-199	51.2	-		
PCB-150	ND	7.13			PCB-200	ND	7.15		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-008-SA
Client ID: LDW-Y3-SC-ENR-CC-S010
Matrix: Solvent
Batch No: X5483

Date Extracted: 10-13-2020
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	7.07		
PCB-202	ND	8.05		
PCB-203	-	-	C196	196
PCB-204	14100	-		
PCB-205	ND	6.65		
PCB-206	15.4	-	J	
PCB-207	52.6	-		
PCB-208	ND	6.74		
PCB-209	73.8	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	75.1	5.00 - 145	
13C-PCB-3	79.3	5.00 - 145	
13C-PCB-4	89.2	5.00 - 145	
13C-PCB-15	89.7	5.00 - 145	
13C-PCB-19	78.7	5.00 - 145	
13C-PCB-37	97.0	5.00 - 145	
13C-PCB-54	87.2	5.00 - 145	
13C-PCB-77	94.8	10.0 - 145	
13C-PCB-81	95.1	10.0 - 145	
13C-PCB-104	75.4	10.0 - 145	
13C-PCB-105	91.7	10.0 - 145	
13C-PCB-114	97.3	10.0 - 145	
13C-PCB-118	93.2	10.0 - 145	
13C-PCB-123	96.6	10.0 - 145	
13C-PCB-126	101	10.0 - 145	
13C-PCB-155	73.2	10.0 - 145	
13C-PCB-156	93.8	10.0 - 145	
13C-PCB-157	96.9	10.0 - 145	
13C-PCB-167	95.7	10.0 - 145	
13C-PCB-169	104	10.0 - 145	
13C-PCB-188	75.0	10.0 - 145	
13C-PCB-189	90.7	10.0 - 145	
13C-PCB-202	78.9	10.0 - 145	
13C-PCB-205	88.4	10.0 - 145	
13C-PCB-206	79.9	10.0 - 145	
13C-PCB-208	79.0	10.0 - 145	
13C-PCB-209	77.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	101	5.00 - 145	
13C-PCB-111	91.9	10.0 - 145	
13C-PCB-178	85.0	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: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-009-SA
Client ID: LDW-Y3-SC-ENR-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 60600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.96			PCB-51	81.0	-		
PCB-2	ND	6.39			PCB-52	1060	-	C	69
PCB-3	ND	6.86			PCB-53	236	-		
PCB-4	150	-			PCB-54	11.0	-	J	
PCB-5	ND	5.72			PCB-55	46.4	-		
PCB-6	88.4	-			PCB-56	447	-	C	60
PCB-7	18.6	-	J		PCB-57	ND	5.78		
PCB-8	376	-			PCB-58	ND	5.81		
PCB-9	18.8	-	J		PCB-59	-	-	C042	42
PCB-10	ND	5.34			PCB-60	-	-	C056	56
PCB-11	39.1	-			PCB-61	679	-	C	70
PCB-12	ND	6.25			PCB-62	ND	6.58		
PCB-13	12.8	-	J		PCB-63	27.2	-		
PCB-14	600	-			PCB-64	-	-	C041	41/71/72
PCB-15	94.6	-			PCB-65	ND	5.82		
PCB-16	339	-			PCB-66	543	-	C	76
PCB-17	551	-			PCB-67	28.1	-		
PCB-18	1340	-			PCB-68	14.6	-	J	
PCB-19	181	-			PCB-69	-	-	C052	52
PCB-20	589	-	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	8.89			PCB-73	20.6	-		
PCB-24	70.7	-			PCB-74	287	-		
PCB-25	126	-			PCB-75	-	-	C048	48
PCB-26	219	-			PCB-76	-	-	C066	66
PCB-27	82.2	-			PCB-77	50.1	-		
PCB-28	886	-			PCB-78	2770	-		
PCB-29	ND	8.50			PCB-79	10.5	-	J	
PCB-30	ND	8.41			PCB-80	10.5	-	J	
PCB-31	974	-			PCB-81	21.0	-		
PCB-32	479	-			PCB-82	93.6	-		
PCB-33	-	-	C020	20/21	PCB-83	40.5	-	C	112
PCB-34	ND	8.60			PCB-84	505	-	C	92
PCB-35	ND	8.85			PCB-85	121	-	C	116
PCB-36	689	-			PCB-86	ND	11.4		
PCB-37	162	-			PCB-87	276	-	C	117/125
PCB-38	ND	8.39			PCB-88	ND	5.84	C	91
PCB-39	ND	8.31			PCB-89	17.9	-	J	
PCB-40	154	-			PCB-90	986	-	C	101
PCB-41	703	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	317	-	C	59	PCB-92	-	-	C084	84
PCB-43	795	-	C	49	PCB-93	ND	6.06		
PCB-44	791	-			PCB-94	ND	6.45		
PCB-45	220	-			PCB-95	1060	-		
PCB-46	90.8	-			PCB-96	16.3	-	J	
PCB-47	268	-			PCB-97	268	-		
PCB-48	184	-	C	75	PCB-98	ND	6.38	C	102
PCB-49	-	-	C043	43	PCB-99	382	-		
PCB-50	12.4	-	J		PCB-100	18.6	-	J	

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EPA Method 1668
PCBs

FAL ID: 13372-009-SA
Client ID: LDW-Y3-SC-ENR-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	228	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.52		
PCB-103	24.3	-			PCB-153	709	-		
PCB-104	2460	-			PCB-154	37.0	-		
PCB-105	173	-			PCB-155	4590	-		
PCB-106	479	-	C	118	PCB-156	38.7	-		
PCB-107	40.9	-	C	108	PCB-157	ND	8.59		
PCB-108	-	-	C107	107	PCB-158	62.5	-	C	160
PCB-109	ND	8.00			PCB-159	16.5	-	J	
PCB-110	839	-			PCB-160	-	-	C158	158
PCB-111	23.7	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.78			PCB-163	-	-	C138	138/164
PCB-114	14.7	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.11		
PCB-117	-	-	C087	87/125	PCB-167	22.3	-		
PCB-118	-	-	C	106	PCB-168	ND	7.90		
PCB-119	30.7	-			PCB-169	ND	7.32		
PCB-120	ND	7.17			PCB-170	91.4	-		
PCB-121	3760	-			PCB-171	45.4	-		
PCB-122	ND	6.22			PCB-172	118	-		
PCB-123	13.0	-	J		PCB-173	ND	8.41		
PCB-124	29.4	-			PCB-174	151	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.30		
PCB-126	ND	6.29			PCB-176	29.3	-		
PCB-127	ND	6.63			PCB-177	83.3	-		
PCB-128	81.5	-	C	162	PCB-178	39.7	-		
PCB-129	29.9	-			PCB-179	85.9	-		
PCB-130	39.1	-			PCB-180	266	-		
PCB-131	26.7	-	C	133	PCB-181	ND	7.88		
PCB-132	223	-	C	161	PCB-182	219	-	C	187
PCB-133	-	-	C131	131	PCB-183	103	-		
PCB-134	46.7	-	C	143	PCB-184	5090	-		
PCB-135	137	-			PCB-185	ND	7.42		
PCB-136	180	-			PCB-186	ND	5.54		
PCB-137	31.4	-			PCB-187	-	-	C182	182
PCB-138	618	-	C	163/164	PCB-188	ND	6.54		
PCB-139	744	-	C	149	PCB-189	ND	4.94		
PCB-140	12.7	-	J		PCB-190	21.9	-		
PCB-141	113	-			PCB-191	ND	6.02		
PCB-142	700	-			PCB-192	4320	-		
PCB-143	-	-	C134	134	PCB-193	16.2	-	J	
PCB-144	43.2	-			PCB-194	37.2	-		
PCB-145	ND	6.46			PCB-195	ND	4.71		
PCB-146	108	-	C	165	PCB-196	47.8	-	C	203
PCB-147	24.0	-			PCB-197	61.0	-		
PCB-148	ND	8.33			PCB-198	ND	9.63		
PCB-149	-	-	C139	139	PCB-199	39.2	-		
PCB-150	ND	6.44			PCB-200	ND	7.25		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-009-SA
Client ID: LDW-Y3-SC-ENR-CC-S010-LONG
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.26		
PCB-202	ND	8.25		
PCB-203	-	-	C196	196
PCB-204	10800	-		
PCB-205	ND	3.74		
PCB-206	ND	12.0		
PCB-207	41.1	-		
PCB-208	ND	7.74		
PCB-209	60.1	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	98.7	5.00 - 145	
13C-PCB-3	98.3	5.00 - 145	
13C-PCB-4	92.4	5.00 - 145	
13C-PCB-15	94.3	5.00 - 145	
13C-PCB-19	79.6	5.00 - 145	
13C-PCB-37	100	5.00 - 145	
13C-PCB-54	105	5.00 - 145	
13C-PCB-77	94.3	10.0 - 145	
13C-PCB-81	96.5	10.0 - 145	
13C-PCB-104	89.6	10.0 - 145	
13C-PCB-105	89.5	10.0 - 145	
13C-PCB-114	94.5	10.0 - 145	
13C-PCB-118	95.6	10.0 - 145	
13C-PCB-123	98.8	10.0 - 145	
13C-PCB-126	99.9	10.0 - 145	
13C-PCB-155	83.9	10.0 - 145	
13C-PCB-156	94.6	10.0 - 145	
13C-PCB-157	98.1	10.0 - 145	
13C-PCB-167	93.3	10.0 - 145	
13C-PCB-169	99.4	10.0 - 145	
13C-PCB-188	81.9	10.0 - 145	
13C-PCB-189	85.8	10.0 - 145	
13C-PCB-202	75.0	10.0 - 145	
13C-PCB-205	93.5	10.0 - 145	
13C-PCB-206	101	10.0 - 145	
13C-PCB-208	101	10.0 - 145	
13C-PCB-209	93.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	96.7	5.00 - 145	
13C-PCB-111	96.5	10.0 - 145	
13C-PCB-178	75.5	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: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-010-SA
Client ID: LDW-Y3-SC-ENR-CD-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020
Total Conc: 66700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	5.97			PCB-51	76.0	-		
PCB-2	ND	6.40			PCB-52	969	-	C	69
PCB-3	ND	6.87			PCB-53	209	-		
PCB-4	138	-			PCB-54	ND	7.58		
PCB-5	ND	5.01			PCB-55	57.9	-		
PCB-6	79.7	-			PCB-56	375	-	C	60
PCB-7	10.2	-	J		PCB-57	ND	7.31		
PCB-8	332	-			PCB-58	ND	7.34		
PCB-9	21.0	-			PCB-59	-	-	C042	42
PCB-10	ND	4.68			PCB-60	-	-	C056	56
PCB-11	60.3	-			PCB-61	579	-	C	70
PCB-12	10.8	-	J		PCB-62	ND	8.32		
PCB-13	10.6	-	J		PCB-63	26.7	-		
PCB-14	850	-			PCB-64	-	-	C041	41/71/72
PCB-15	85.7	-			PCB-65	ND	7.36		
PCB-16	338	-			PCB-66	490	-	C	76
PCB-17	459	-			PCB-67	25.4	-		
PCB-18	1140	-			PCB-68	19.1	-	J	
PCB-19	169	-			PCB-69	-	-	C052	52
PCB-20	574	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	288	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.79			PCB-73	20.4	-		
PCB-24	64.9	-			PCB-74	248	-		
PCB-25	116	-			PCB-75	-	-	C048	48
PCB-26	207	-			PCB-76	-	-	C066	66
PCB-27	55.2	-			PCB-77	42.7	-		
PCB-28	741	-			PCB-78	3100	-		
PCB-29	11.4	-	J		PCB-79	11.7	-	J	
PCB-30	ND	8.12			PCB-80	12.7	-	J	
PCB-31	874	-			PCB-81	16.6	-	J	
PCB-32	387	-			PCB-82	90.9	-		
PCB-33	-	-	C020	20/21	PCB-83	37.1	-	C	112
PCB-34	ND	7.53			PCB-84	439	-	C	92
PCB-35	ND	7.76			PCB-85	100	-	C	116
PCB-36	943	-			PCB-86	ND	8.97		
PCB-37	139	-			PCB-87	252	-	C	117/125
PCB-38	ND	7.35			PCB-88	ND	5.87	C	91
PCB-39	ND	7.28			PCB-89	13.0	-	J	
PCB-40	138	-			PCB-90	835	-	C	101
PCB-41	595	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	295	-	C	59	PCB-92	-	-	C084	84
PCB-43	723	-	C	49	PCB-93	ND	6.10		
PCB-44	716	-			PCB-94	ND	6.48		
PCB-45	214	-			PCB-95	868	-		
PCB-46	85.8	-			PCB-96	17.5	-	J	
PCB-47	233	-			PCB-97	234	-		
PCB-48	171	-	C	75	PCB-98	ND	6.41	C	102
PCB-49	-	-	C043	43	PCB-99	335	-		
PCB-50	12.4	-	J		PCB-100	23.6	-		

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EPA Method 1668
PCBs

FAL ID: 13372-010-SA
Client ID: LDW-Y3-SC-ENR-CD-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	206	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.24		
PCB-103	25.3	-			PCB-153	601	-		
PCB-104	2860	-			PCB-154	35.9	-		
PCB-105	136	-			PCB-155	5450	-		
PCB-106	389	-	C	118	PCB-156	35.4	-		
PCB-107	33.3	-	C	108	PCB-157	11.4	-	J	
PCB-108	-	-	C107	107	PCB-158	51.5	-	C	160
PCB-109	ND	6.29			PCB-159	13.6	-	J	
PCB-110	695	-			PCB-160	-	-	C158	158
PCB-111	14.3	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.90			PCB-163	-	-	C138	138/164
PCB-114	ND	6.70			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.10		
PCB-117	-	-	C087	87/125	PCB-167	17.8	-	J	
PCB-118	-	-	C	106	PCB-168	ND	6.91		
PCB-119	24.6	-			PCB-169	ND	6.75		
PCB-120	ND	5.63			PCB-170	78.2	-		
PCB-121	4430	-			PCB-171	43.1	-		
PCB-122	ND	6.65			PCB-172	159	-		
PCB-123	11.3	-	J		PCB-173	ND	10.6		
PCB-124	23.6	-			PCB-174	125	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.19		
PCB-126	ND	6.79			PCB-176	26.6	-		
PCB-127	ND	7.11			PCB-177	79.9	-		
PCB-128	62.7	-	C	162	PCB-178	36.4	-		
PCB-129	27.8	-			PCB-179	73.7	-		
PCB-130	36.4	-			PCB-180	220	-		
PCB-131	22.2	-	C	133	PCB-181	ND	9.93		
PCB-132	192	-	C	161	PCB-182	181	-	C	187
PCB-133	-	-	C131	131	PCB-183	83.6	-		
PCB-134	47.8	-	C	143	PCB-184	6780	-		
PCB-135	105	-			PCB-185	ND	9.34		
PCB-136	135	-			PCB-186	ND	6.98		
PCB-137	32.4	-			PCB-187	-	-	C182	182
PCB-138	518	-	C	163/164	PCB-188	ND	8.02		
PCB-139	622	-	C	149	PCB-189	ND	6.44		
PCB-140	ND	8.50			PCB-190	22.7	-		
PCB-141	98.2	-			PCB-191	ND	7.59		
PCB-142	856	-			PCB-192	5530	-		
PCB-143	-	-	C134	134	PCB-193	ND	7.26		
PCB-144	38.7	-			PCB-194	31.9	-		
PCB-145	ND	6.19			PCB-195	14.9	-	J	
PCB-146	96.5	-	C	165	PCB-196	40.9	-	C	203
PCB-147	16.7	-	J		PCB-197	69.4	-		
PCB-148	ND	7.98			PCB-198	ND	9.80		
PCB-149	-	-	C139	139	PCB-199	49.4	-		
PCB-150	ND	6.17			PCB-200	ND	7.38		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-010-SA
Client ID: LDW-Y3-SC-ENR-CD-S010
Matrix: Solvent
Batch No: X5483

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

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

Acquired: 10-16-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	7.39		
PCB-202	ND	8.40		
PCB-203	-	-	C196	196
PCB-204	14200	-		
PCB-205	ND	6.70		
PCB-206	ND	9.85		
PCB-207	49.0	-		
PCB-208	ND	7.54		
PCB-209	62.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	89.9	5.00 - 145	
13C-PCB-3	88.9	5.00 - 145	
13C-PCB-4	84.7	5.00 - 145	
13C-PCB-15	94.9	5.00 - 145	
13C-PCB-19	79.7	5.00 - 145	
13C-PCB-37	97.8	5.00 - 145	
13C-PCB-54	102	5.00 - 145	
13C-PCB-77	97.9	10.0 - 145	
13C-PCB-81	96.8	10.0 - 145	
13C-PCB-104	93.0	10.0 - 145	
13C-PCB-105	98.4	10.0 - 145	
13C-PCB-114	96.4	10.0 - 145	
13C-PCB-118	102	10.0 - 145	
13C-PCB-123	100	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	90.5	10.0 - 145	
13C-PCB-156	99.3	10.0 - 145	
13C-PCB-157	99.1	10.0 - 145	
13C-PCB-167	98.7	10.0 - 145	
13C-PCB-169	101	10.0 - 145	
13C-PCB-188	83.6	10.0 - 145	
13C-PCB-189	85.2	10.0 - 145	
13C-PCB-202	78.8	10.0 - 145	
13C-PCB-205	95.8	10.0 - 145	
13C-PCB-206	104	10.0 - 145	
13C-PCB-208	105	10.0 - 145	
13C-PCB-209	99.9	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	87.1	5.00 - 145	
13C-PCB-111	88.6	10.0 - 145	
13C-PCB-178	74.8	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-011-SA
Client ID: LDW-Y3-SC-ENR-CD-S010-LONG
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: 70000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	6.95	-	J		PCB-51	110	-		
PCB-2	ND	3.42			PCB-52	1290	-	C	69
PCB-3	ND	3.87			PCB-53	328	-		
PCB-4	142	-			PCB-54	12.3	-	J	
PCB-5	ND	8.11			PCB-55	57.5	-		
PCB-6	89.0	-			PCB-56	456	-	C	60
PCB-7	16.4	-	J		PCB-57	9.84	-	J	
PCB-8	382	-			PCB-58	ND	5.47		
PCB-9	24.7	-			PCB-59	-	-	C042	42
PCB-10	ND	7.16			PCB-60	-	-	C056	56
PCB-11	31.9	-			PCB-61	803	-	C	70
PCB-12	ND	8.65			PCB-62	ND	5.84		
PCB-13	ND	9.03			PCB-63	32.3	-		
PCB-14	583	-			PCB-64	-	-	C041	41/71/72
PCB-15	92.1	-			PCB-65	ND	5.15		
PCB-16	558	-			PCB-66	639	-	C	76
PCB-17	728	-			PCB-67	36.3	-		
PCB-18	1890	-			PCB-68	19.8	-	J	
PCB-19	197	-			PCB-69	-	-	C052	52
PCB-20	1010	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	500	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	5.83			PCB-73	28.6	-		
PCB-24	90.3	-			PCB-74	366	-		
PCB-25	158	-			PCB-75	-	-	C048	48
PCB-26	288	-			PCB-76	-	-	C066	66
PCB-27	85.9	-			PCB-77	45.1	-		
PCB-28	1390	-			PCB-78	3130	-		
PCB-29	ND	5.64			PCB-79	ND	7.44		
PCB-30	ND	7.29			PCB-80	17.0	-	J	
PCB-31	1340	-			PCB-81	18.3	-	J	
PCB-32	544	-			PCB-82	75.8	-		
PCB-33	-	-	C020	20/21	PCB-83	38.3	-	C	112
PCB-34	ND	6.49			PCB-84	425	-	C	92
PCB-35	ND	6.04			PCB-85	101	-	C	116
PCB-36	878	-			PCB-86	ND	12.7		
PCB-37	230	-			PCB-87	246	-	C	117/125
PCB-38	ND	5.66			PCB-88	ND	11.1	C	91
PCB-39	ND	6.36			PCB-89	16.2	-	J	
PCB-40	224	-			PCB-90	787	-	C	101
PCB-41	889	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	418	-	C	59	PCB-92	-	-	C084	84
PCB-43	941	-	C	49	PCB-93	ND	6.26		
PCB-44	1060	-			PCB-94	ND	7.47		
PCB-45	310	-			PCB-95	992	-		
PCB-46	133	-			PCB-96	16.2	-	J	
PCB-47	335	-			PCB-97	236	-		
PCB-48	261	-	C	75	PCB-98	ND	7.48	C	102
PCB-49	-	-	C043	43	PCB-99	323	-		
PCB-50	13.7	-	J		PCB-100	20.4	-		

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EPA Method 1668
PCBs

FAL ID: 13372-011-SA
Client ID: LDW-Y3-SC-ENR-CD-S010-LONG
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	192	-		
PCB-102	-	-	C098	98	PCB-152	ND	8.09		
PCB-103	23.9	-			PCB-153	597	-		
PCB-104	3080	-			PCB-154	33.9	-		
PCB-105	176	-			PCB-155	5790	-		
PCB-106	458	-	C	118	PCB-156	43.3	-		
PCB-107	36.4	-	C	108	PCB-157	11.8	-	J	
PCB-108	-	-	C107	107	PCB-158	59.0	-	C	160
PCB-109	ND	8.90			PCB-159	13.6	-	J	
PCB-110	734	-			PCB-160	-	-	C158	158
PCB-111	14.4	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.71			PCB-163	-	-	C138	138/164
PCB-114	13.6	-	J		PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.05		
PCB-117	-	-	C087	87/125	PCB-167	19.7	-	J	
PCB-118	-	-	C	106	PCB-168	ND	8.26		
PCB-119	25.5	-			PCB-169	ND	8.65		
PCB-120	ND	7.72			PCB-170	101	-		
PCB-121	4940	-			PCB-171	44.4	-		
PCB-122	8.83	-	J		PCB-172	157	-		
PCB-123	14.2	-	J		PCB-173	ND	9.42		
PCB-124	23.0	-			PCB-174	135	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.10		
PCB-126	ND	6.28			PCB-176	29.7	-		
PCB-127	ND	6.02			PCB-177	93.4	-		
PCB-128	77.4	-	C	162	PCB-178	45.5	-		
PCB-129	25.0	-			PCB-179	79.6	-		
PCB-130	37.7	-			PCB-180	265	-		
PCB-131	22.5	-	C	133	PCB-181	ND	8.56		
PCB-132	176	-	C	161	PCB-182	183	-	C	187
PCB-133	-	-	C131	131	PCB-183	86.2	-		
PCB-134	41.2	-	C	143	PCB-184	5930	-		
PCB-135	113	-			PCB-185	14.0	-	J	
PCB-136	172	-			PCB-186	ND	6.34		
PCB-137	17.8	-	J		PCB-187	-	-	C182	182
PCB-138	541	-	C	163/164	PCB-188	ND	6.73		
PCB-139	629	-	C	149	PCB-189	ND	6.72		
PCB-140	ND	9.02			PCB-190	26.0	-		
PCB-141	98.3	-			PCB-191	ND	6.65		
PCB-142	754	-			PCB-192	5150	-		
PCB-143	-	-	C134	134	PCB-193	20.0	-		
PCB-144	42.9	-			PCB-194	25.7	-		
PCB-145	ND	8.74			PCB-195	16.6	-	J	
PCB-146	102	-	C	165	PCB-196	43.7	-	C	203
PCB-147	18.1	-	J		PCB-197	63.6	-		
PCB-148	ND	10.1			PCB-198	ND	10.1		
PCB-149	-	-	C139	139	PCB-199	42.9	-		
PCB-150	ND	8.75			PCB-200	ND	7.25		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-011-SA
Client ID: LDW-Y3-SC-ENR-CD-S010-LONG
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	7.18		
PCB-202	ND	8.16		
PCB-203	-	-	C196	196
PCB-204	11600	-		
PCB-205	ND	5.36		
PCB-206	11.5	-	J	
PCB-207	40.9	-		
PCB-208	ND	3.81		
PCB-209	62.5	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	75.9	5.00 - 145	
13C-PCB-3	78.3	5.00 - 145	
13C-PCB-4	90.4	5.00 - 145	
13C-PCB-15	92.1	5.00 - 145	
13C-PCB-19	77.4	5.00 - 145	
13C-PCB-37	101	5.00 - 145	
13C-PCB-54	87.6	5.00 - 145	
13C-PCB-77	112	10.0 - 145	
13C-PCB-81	111	10.0 - 145	
13C-PCB-104	73.5	10.0 - 145	
13C-PCB-105	97.7	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	98.1	10.0 - 145	
13C-PCB-123	103	10.0 - 145	
13C-PCB-126	112	10.0 - 145	
13C-PCB-155	70.7	10.0 - 145	
13C-PCB-156	102	10.0 - 145	
13C-PCB-157	100	10.0 - 145	
13C-PCB-167	98.7	10.0 - 145	
13C-PCB-169	104	10.0 - 145	
13C-PCB-188	77.9	10.0 - 145	
13C-PCB-189	88.3	10.0 - 145	
13C-PCB-202	78.9	10.0 - 145	
13C-PCB-205	93.2	10.0 - 145	
13C-PCB-206	84.5	10.0 - 145	
13C-PCB-208	80.1	10.0 - 145	
13C-PCB-209	80.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	98.7	5.00 - 145	
13C-PCB-111	95.3	10.0 - 145	
13C-PCB-178	79.1	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-014-SA
Client ID: LDW-Y3-SC-ENR-S010-DEP
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: 66900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	9.65	-	J		PCB-51	110	-		
PCB-2	ND	4.75			PCB-52	1260	-	C	69
PCB-3	ND	5.38			PCB-53	282	-		
PCB-4	140	-			PCB-54	10.2	-	J	
PCB-5	ND	8.99			PCB-55	72.1	-		
PCB-6	90.6	-			PCB-56	429	-	C	60
PCB-7	14.8	-	J		PCB-57	ND	7.18		
PCB-8	312	-			PCB-58	ND	7.54		
PCB-9	18.5	-	J		PCB-59	-	-	C042	42
PCB-10	ND	7.94			PCB-60	-	-	C056	56
PCB-11	65.0	-			PCB-61	775	-	C	70
PCB-12	12.9	-	J		PCB-62	ND	8.05		
PCB-13	12.5	-	J		PCB-63	34.0	-		
PCB-14	820	-			PCB-64	-	-	C041	41/71/72
PCB-15	104	-			PCB-65	ND	7.10		
PCB-16	370	-			PCB-66	620	-	C	76
PCB-17	519	-			PCB-67	38.8	-		
PCB-18	1330	-			PCB-68	26.0	-		
PCB-19	172	-			PCB-69	-	-	C052	52
PCB-20	579	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	314	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	10.1			PCB-73	35.6	-		
PCB-24	72.6	-			PCB-74	356	-		
PCB-25	113	-			PCB-75	-	-	C048	48
PCB-26	199	-			PCB-76	-	-	C066	66
PCB-27	68.1	-			PCB-77	53.2	-		
PCB-28	962	-			PCB-78	3250	-		
PCB-29	ND	9.80			PCB-79	11.9	-	J	
PCB-30	ND	9.56			PCB-80	19.1	-	J	
PCB-31	844	-			PCB-81	21.9	-		
PCB-32	420	-			PCB-82	83.1	-		
PCB-33	-	-	C020	20/21	PCB-83	42.2	-	C	112
PCB-34	ND	11.3			PCB-84	440	-	C	92
PCB-35	16.8	-	J		PCB-85	105	-	C	116
PCB-36	963	-			PCB-86	ND	14.0		
PCB-37	182	-			PCB-87	272	-	C	117/125
PCB-38	ND	9.83			PCB-88	ND	14.2	C	91
PCB-39	ND	11.0			PCB-89	16.6	-	J	
PCB-40	173	-			PCB-90	863	-	C	101
PCB-41	783	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	374	-	C	59	PCB-92	-	-	C084	84
PCB-43	931	-	C	49	PCB-93	ND	7.99		
PCB-44	922	-			PCB-94	ND	9.53		
PCB-45	238	-			PCB-95	1030	-		
PCB-46	104	-			PCB-96	ND	6.14		
PCB-47	366	-			PCB-97	246	-		
PCB-48	216	-	C	75	PCB-98	ND	9.54	C	102
PCB-49	-	-	C043	43	PCB-99	347	-		
PCB-50	18.4	-	J		PCB-100	30.6	-		

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EPA Method 1668
PCBs

FAL ID: 13372-014-SA
Client ID: LDW-Y3-SC-ENR-S010-DEP
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	230	-		
PCB-102	-	-	C098	98	PCB-152	ND	9.28		
PCB-103	29.0	-			PCB-153	643	-		
PCB-104	3470	-			PCB-154	34.4	-		
PCB-105	167	-			PCB-155	5470	-		
PCB-106	489	-	C	118	PCB-156	40.2	-		
PCB-107	44.0	-	C	108	PCB-157	ND	9.61		
PCB-108	-	-	C107	107	PCB-158	63.9	-	C	160
PCB-109	ND	9.78			PCB-159	ND	7.84		
PCB-110	757	-			PCB-160	-	-	C158	158
PCB-111	20.3	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	10.7			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	8.43		
PCB-117	-	-	C087	87/125	PCB-167	21.6	-		
PCB-118	-	-	C	106	PCB-168	ND	8.65		
PCB-119	27.3	-			PCB-169	ND	8.46		
PCB-120	ND	8.48			PCB-170	90.2	-		
PCB-121	5290	-			PCB-171	39.6	-		
PCB-122	ND	7.42			PCB-172	122	-		
PCB-123	14.0	-	J		PCB-173	ND	10.8		
PCB-124	25.0	-			PCB-174	140	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.31		
PCB-126	ND	8.35			PCB-176	30.6	-		
PCB-127	ND	7.58			PCB-177	80.6	-		
PCB-128	88.2	-	C	162	PCB-178	42.2	-		
PCB-129	32.6	-			PCB-179	78.7	-		
PCB-130	39.5	-			PCB-180	258	-		
PCB-131	28.4	-	C	133	PCB-181	ND	9.84		
PCB-132	198	-	C	161	PCB-182	197	-	C	187
PCB-133	-	-	C131	131	PCB-183	99.1	-		
PCB-134	55.7	-	C	143	PCB-184	5570	-		
PCB-135	131	-			PCB-185	ND	10.3		
PCB-136	173	-			PCB-186	ND	7.29		
PCB-137	23.3	-			PCB-187	-	-	C182	182
PCB-138	599	-	C	163/164	PCB-188	22.1	-		
PCB-139	728	-	C	149	PCB-189	ND	7.00		
PCB-140	ND	9.45			PCB-190	29.2	-		
PCB-141	106	-			PCB-191	ND	7.65		
PCB-142	782	-			PCB-192	4850	-		
PCB-143	-	-	C134	134	PCB-193	24.6	-		
PCB-144	43.4	-			PCB-194	37.2	-		
PCB-145	ND	10.0			PCB-195	16.8	-	J	
PCB-146	111	-	C	165	PCB-196	56.1	-	C	203
PCB-147	22.0	-			PCB-197	68.2	-		
PCB-148	ND	11.6			PCB-198	ND	9.43		
PCB-149	-	-	C139	139	PCB-199	50.9	-		
PCB-150	ND	10.0			PCB-200	ND	6.74		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-014-SA
Client ID: LDW-Y3-SC-ENR-S010-DEP
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	6.67		
PCB-202	ND	7.58		
PCB-203	-	-	C196	196
PCB-204	11100	-		
PCB-205	ND	8.52		
PCB-206	14.9	-	J	
PCB-207	41.6	-		
PCB-208	ND	5.17		
PCB-209	54.0	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	71.8	5.00 - 145	
13C-PCB-3	74.5	5.00 - 145	
13C-PCB-4	84.6	5.00 - 145	
13C-PCB-15	92.6	5.00 - 145	
13C-PCB-19	70.7	5.00 - 145	
13C-PCB-37	98.5	5.00 - 145	
13C-PCB-54	80.3	5.00 - 145	
13C-PCB-77	94.4	10.0 - 145	
13C-PCB-81	93.5	10.0 - 145	
13C-PCB-104	64.8	10.0 - 145	
13C-PCB-105	91.6	10.0 - 145	
13C-PCB-114	96.8	10.0 - 145	
13C-PCB-118	92.4	10.0 - 145	
13C-PCB-123	96.4	10.0 - 145	
13C-PCB-126	102	10.0 - 145	
13C-PCB-155	67.7	10.0 - 145	
13C-PCB-156	86.3	10.0 - 145	
13C-PCB-157	90.7	10.0 - 145	
13C-PCB-167	90.8	10.0 - 145	
13C-PCB-169	98.1	10.0 - 145	
13C-PCB-188	72.3	10.0 - 145	
13C-PCB-189	88.0	10.0 - 145	
13C-PCB-202	73.7	10.0 - 145	
13C-PCB-205	84.0	10.0 - 145	
13C-PCB-206	74.6	10.0 - 145	
13C-PCB-208	75.8	10.0 - 145	
13C-PCB-209	72.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	106	5.00 - 145	
13C-PCB-111	89.9	10.0 - 145	
13C-PCB-178	82.5	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: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-015-SA
Client ID: LDW-Y3-SC-S010-TB
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: 38000

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	4.07			PCB-51	ND	8.88		
PCB-2	ND	4.19			PCB-52	18.0	-	C,J	69
PCB-3	ND	4.74			PCB-53	ND	9.00		
PCB-4	ND	13.7			PCB-54	ND	6.77		
PCB-5	ND	10.0			PCB-55	35.9	-		
PCB-6	ND	10.0			PCB-56	ND	8.78	C	60
PCB-7	ND	9.56			PCB-57	ND	6.93		
PCB-8	ND	9.86			PCB-58	ND	7.27		
PCB-9	ND	9.56			PCB-59	-	-	C042	42
PCB-10	ND	8.84			PCB-60	-	-	C056	56
PCB-11	83.4	-			PCB-61	ND	7.86	C	70
PCB-12	ND	10.7			PCB-62	ND	7.77		
PCB-13	ND	11.1			PCB-63	ND	6.81		
PCB-14	1490	-			PCB-64	-	-	C041	41/71/72
PCB-15	ND	10.9			PCB-65	ND	6.85		
PCB-16	ND	6.75			PCB-66	ND	6.63	C	76
PCB-17	ND	7.56			PCB-67	ND	7.30		
PCB-18	ND	8.71			PCB-68	11.8	-	J	
PCB-19	ND	8.44			PCB-69	-	-	C052,J	52
PCB-20	ND	6.94	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	6.64			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.71			PCB-73	20.4	-		
PCB-24	ND	5.86			PCB-74	ND	7.46		
PCB-25	ND	6.94			PCB-75	-	-	C048	48
PCB-26	ND	6.56			PCB-76	-	-	C066	66
PCB-27	ND	6.05			PCB-77	ND	9.32		
PCB-28	ND	6.15			PCB-78	3140	-		
PCB-29	ND	6.50			PCB-79	ND	7.70		
PCB-30	ND	5.37			PCB-80	ND	5.89		
PCB-31	ND	6.24			PCB-81	ND	7.34		
PCB-32	ND	6.72			PCB-82	ND	10.2		
PCB-33	-	-	C020	20/21	PCB-83	ND	7.94	C	112
PCB-34	ND	7.46			PCB-84	44.7	-	C	92
PCB-35	ND	6.95			PCB-85	ND	7.19	C	116
PCB-36	1050	-			PCB-86	ND	9.75		
PCB-37	ND	7.28			PCB-87	ND	7.15	C	117/125
PCB-38	ND	6.52			PCB-88	ND	11.6	C	91
PCB-39	ND	7.32			PCB-89	ND	8.61		
PCB-40	ND	11.3			PCB-90	ND	8.24	C	101
PCB-41	ND	7.53	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	8.26	C	59	PCB-92	-	-	C084	84
PCB-43	ND	9.23	C	49	PCB-93	ND	6.53		
PCB-44	ND	10.9			PCB-94	ND	7.79		
PCB-45	ND	9.40			PCB-95	ND	6.27		
PCB-46	ND	10.1			PCB-96	ND	5.02		
PCB-47	ND	9.27			PCB-97	ND	9.72		
PCB-48	ND	7.29	C	75	PCB-98	ND	7.80	C	102
PCB-49	-	-	C043	43	PCB-99	ND	7.16		
PCB-50	ND	7.96			PCB-100	ND	6.45		

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EPA Method 1668
PCBs

FAL ID: 13372-015-SA
Client ID: LDW-Y3-SC-S010-TB
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	ND	9.55		
PCB-102	-	-	C098	98	PCB-152	ND	6.88		
PCB-103	ND	5.99			PCB-153	57.3	-		
PCB-104	2630	-			PCB-154	ND	8.49		
PCB-105	ND	6.77			PCB-155	4750	-		
PCB-106	ND	6.32	C	118	PCB-156	ND	8.57		
PCB-107	ND	6.65	C	108	PCB-157	ND	8.56		
PCB-108	-	-	C107	107	PCB-158	ND	7.66	C	160
PCB-109	ND	6.82			PCB-159	ND	7.13		
PCB-110	ND	6.63			PCB-160	-	-	C158	158
PCB-111	ND	6.65	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	7.43			PCB-163	-	-	C138	138/164
PCB-114	ND	6.68			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	ND	8.35		
PCB-118	-	-	C	106	PCB-168	ND	7.86		
PCB-119	ND	6.25			PCB-169	ND	7.95		
PCB-120	ND	5.91			PCB-170	ND	10.6		
PCB-121	4140	-			PCB-171	ND	9.54		
PCB-122	ND	6.29			PCB-172	136	-		
PCB-123	ND	6.66			PCB-173	ND	10.9		
PCB-124	ND	6.52			PCB-174	ND	9.75		
PCB-125	-	-	C087	87/117	PCB-175	ND	9.37		
PCB-126	ND	7.36			PCB-176	ND	6.89		
PCB-127	ND	6.42			PCB-177	ND	10.1		
PCB-128	ND	9.57	C	162	PCB-178	ND	9.70		
PCB-129	ND	11.0			PCB-179	ND	6.66		
PCB-130	ND	10.3			PCB-180	ND	10.7		
PCB-131	ND	10.9	C	133	PCB-181	ND	9.90		
PCB-132	ND	8.77	C	161	PCB-182	ND	8.77	C	187
PCB-133	-	-	C131	131	PCB-183	ND	8.54		
PCB-134	ND	10.9	C	143	PCB-184	4780	-		
PCB-135	ND	10.4			PCB-185	ND	10.4		
PCB-136	ND	7.52			PCB-186	ND	7.33		
PCB-137	ND	10.7			PCB-187	-	-	C182	182
PCB-138	ND	8.69	C	163/164	PCB-188	ND	8.22		
PCB-139	ND	9.57	C	149	PCB-189	ND	7.32		
PCB-140	ND	8.59			PCB-190	ND	7.84		
PCB-141	ND	9.63			PCB-191	ND	7.70		
PCB-142	638	-			PCB-192	4560	-		
PCB-143	-	-	C134	134	PCB-193	ND	7.68		
PCB-144	ND	9.34			PCB-194	ND	9.80		
PCB-145	ND	7.44			PCB-195	ND	10.8		
PCB-146	ND	8.40	C	165	PCB-196	ND	9.22	C	203
PCB-147	ND	8.78			PCB-197	56.3	-		
PCB-148	ND	8.62			PCB-198	ND	9.76		
PCB-149	-	-	C139	139	PCB-199	ND	10.3		
PCB-150	ND	7.45			PCB-200	ND	6.97		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-015-SA
Client ID: LDW-Y3-SC-S010-TB
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	6.90		
PCB-202	ND	7.85		
PCB-203	-	-	C196	196
PCB-204	10300	-		
PCB-205	ND	8.58		
PCB-206	ND	5.76		
PCB-207	43.4	-		
PCB-208	ND	5.32		
PCB-209	54.7	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	74.0	5.00 - 145	
13C-PCB-3	76.4	5.00 - 145	
13C-PCB-4	87.4	5.00 - 145	
13C-PCB-15	91.8	5.00 - 145	
13C-PCB-19	74.4	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	79.7	5.00 - 145	
13C-PCB-77	96.1	10.0 - 145	
13C-PCB-81	96.2	10.0 - 145	
13C-PCB-104	74.2	10.0 - 145	
13C-PCB-105	97.6	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	101	10.0 - 145	
13C-PCB-123	105	10.0 - 145	
13C-PCB-126	105	10.0 - 145	
13C-PCB-155	65.8	10.0 - 145	
13C-PCB-156	95.2	10.0 - 145	
13C-PCB-157	99.0	10.0 - 145	
13C-PCB-167	96.4	10.0 - 145	
13C-PCB-169	104	10.0 - 145	
13C-PCB-188	76.2	10.0 - 145	
13C-PCB-189	91.0	10.0 - 145	
13C-PCB-202	75.8	10.0 - 145	
13C-PCB-205	88.4	10.0 - 145	
13C-PCB-206	82.8	10.0 - 145	
13C-PCB-208	75.4	10.0 - 145	
13C-PCB-209	77.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	94.4	5.00 - 145	
13C-PCB-111	83.0	10.0 - 145	
13C-PCB-178	75.8	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-016-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-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: 88200

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	99.3	-			PCB-51	184	-		
PCB-2	ND	3.47			PCB-52	3460	-	C	69
PCB-3	18.1	-	J		PCB-53	578	-		
PCB-4	508	-			PCB-54	13.2	-	J	
PCB-5	ND	8.04			PCB-55	65.0	-		
PCB-6	331	-			PCB-56	650	-	C	60
PCB-7	46.0	-			PCB-57	19.4	-	J	
PCB-8	699	-			PCB-58	17.0	-	J	
PCB-9	54.7	-			PCB-59	-	-	C042	42
PCB-10	35.3	-			PCB-60	-	-	C056	56
PCB-11	55.0	-			PCB-61	1580	-	C	70
PCB-12	ND	8.58			PCB-62	ND	8.34		
PCB-13	22.7	-			PCB-63	71.7	-		
PCB-14	643	-			PCB-64	-	-	C041	41/71/72
PCB-15	118	-			PCB-65	ND	7.36		
PCB-16	638	-			PCB-66	1170	-	C	76
PCB-17	1310	-			PCB-67	70.9	-		
PCB-18	3350	-			PCB-68	36.7	-		
PCB-19	399	-			PCB-69	-	-	C052	52
PCB-20	826	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	413	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.37			PCB-73	50.3	-		
PCB-24	141	-			PCB-74	687	-		
PCB-25	271	-			PCB-75	-	-	C048	48
PCB-26	482	-			PCB-76	-	-	C066	66
PCB-27	116	-			PCB-77	58.4	-		
PCB-28	1390	-			PCB-78	2390	-		
PCB-29	12.2	-	J		PCB-79	21.1	-		
PCB-30	ND	8.02			PCB-80	18.1	-	J	
PCB-31	1510	-			PCB-81	26.2	-		
PCB-32	1020	-			PCB-82	173	-		
PCB-33	-	-	C020	20/21	PCB-83	109	-	C	112
PCB-34	25.9	-			PCB-84	1160	-	C	92
PCB-35	14.1	-	J		PCB-85	216	-	C	116
PCB-36	710	-			PCB-86	ND	9.05		
PCB-37	183	-			PCB-87	507	-	C	117/125
PCB-38	18.2	-	J		PCB-88	ND	8.07	C	91
PCB-39	ND	8.04			PCB-89	36.1	-		
PCB-40	359	-			PCB-90	2150	-	C	101
PCB-41	1660	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	812	-	C	59	PCB-92	-	-	C084	84
PCB-43	2520	-	C	49	PCB-93	ND	4.55		
PCB-44	2290	-			PCB-94	19.0	-	J	
PCB-45	490	-			PCB-95	2640	-		
PCB-46	215	-			PCB-96	32.2	-		
PCB-47	812	-			PCB-97	641	-		
PCB-48	501	-	C	75	PCB-98	ND	5.44	C	102
PCB-49	-	-	C043	43	PCB-99	902	-		
PCB-50	21.7	-			PCB-100	31.3	-		

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EPA Method 1668
PCBs

FAL ID: 13372-016-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-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	357	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.28		
PCB-103	70.7	-			PCB-153	1000	-		
PCB-104	2080	-			PCB-154	50.4	-		
PCB-105	304	-			PCB-155	4030	-		
PCB-106	1010	-	C	118	PCB-156	64.2	-		
PCB-107	97.5	-	C	108	PCB-157	20.3	-		
PCB-108	-	-	C107	107	PCB-158	108	-	C	160
PCB-109	ND	6.33			PCB-159	15.3	-	J	
PCB-110	1820	-			PCB-160	-	-	C158	158
PCB-111	22.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	6.90			PCB-163	-	-	C138	138/164
PCB-114	25.0	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.68		
PCB-117	-	-	C087	87/125	PCB-167	32.9	-		
PCB-118	-	-	C	106	PCB-168	ND	7.88		
PCB-119	80.1	-			PCB-169	ND	7.65		
PCB-120	11.9	-	J		PCB-170	128	-		
PCB-121	4260	-			PCB-171	53.7	-		
PCB-122	12.4	-	J		PCB-172	142	-		
PCB-123	19.1	-	J		PCB-173	ND	7.85		
PCB-124	44.2	-			PCB-174	208	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	6.75		
PCB-126	ND	6.42			PCB-176	46.1	-		
PCB-127	ND	6.18			PCB-177	136	-		
PCB-128	137	-	C	162	PCB-178	57.9	-		
PCB-129	42.4	-			PCB-179	118	-		
PCB-130	77.4	-			PCB-180	414	-		
PCB-131	47.4	-	C	133	PCB-181	ND	7.13		
PCB-132	378	-	C	161	PCB-182	274	-	C	187
PCB-133	-	-	C131	131	PCB-183	126	-		
PCB-134	89.1	-	C	143	PCB-184	4810	-		
PCB-135	249	-			PCB-185	24.9	-		
PCB-136	324	-			PCB-186	ND	5.28		
PCB-137	41.5	-			PCB-187	-	-	C182	182
PCB-138	1050	-	C	163/164	PCB-188	23.7	-		
PCB-139	1290	-	C	149	PCB-189	ND	5.34		
PCB-140	18.1	-	J		PCB-190	34.4	-		
PCB-141	177	-			PCB-191	ND	5.54		
PCB-142	592	-			PCB-192	4730	-		
PCB-143	-	-	C134	134	PCB-193	28.4	-		
PCB-144	62.8	-			PCB-194	45.5	-		
PCB-145	ND	6.79			PCB-195	20.5	-		
PCB-146	215	-	C	165	PCB-196	61.7	-	C	203
PCB-147	30.1	-			PCB-197	63.5	-		
PCB-148	ND	7.86			PCB-198	ND	8.58		
PCB-149	-	-	C139	139	PCB-199	68.6	-		
PCB-150	ND	6.80			PCB-200	ND	6.13		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-016-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-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	6.06		
PCB-202	ND	6.90		
PCB-203	-	-	C196	196
PCB-204	11200	-		
PCB-205	ND	6.27		
PCB-206	16.5	-	J	
PCB-207	44.7	-		
PCB-208	ND	5.32		
PCB-209	69.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	72.5	5.00 - 145	
13C-PCB-3	73.9	5.00 - 145	
13C-PCB-4	84.4	5.00 - 145	
13C-PCB-15	84.7	5.00 - 145	
13C-PCB-19	69.1	5.00 - 145	
13C-PCB-37	93.8	5.00 - 145	
13C-PCB-54	78.8	5.00 - 145	
13C-PCB-77	94.7	10.0 - 145	
13C-PCB-81	94.4	10.0 - 145	
13C-PCB-104	66.6	10.0 - 145	
13C-PCB-105	87.3	10.0 - 145	
13C-PCB-114	91.9	10.0 - 145	
13C-PCB-118	91.1	10.0 - 145	
13C-PCB-123	93.6	10.0 - 145	
13C-PCB-126	97.8	10.0 - 145	
13C-PCB-155	67.2	10.0 - 145	
13C-PCB-156	85.9	10.0 - 145	
13C-PCB-157	86.1	10.0 - 145	
13C-PCB-167	86.7	10.0 - 145	
13C-PCB-169	95.5	10.0 - 145	
13C-PCB-188	70.9	10.0 - 145	
13C-PCB-189	81.0	10.0 - 145	
13C-PCB-202	70.2	10.0 - 145	
13C-PCB-205	83.6	10.0 - 145	
13C-PCB-206	74.5	10.0 - 145	
13C-PCB-208	80.1	10.0 - 145	
13C-PCB-209	70.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	93.4	5.00 - 145	
13C-PCB-111	88.4	10.0 - 145	
13C-PCB-178	76.1	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-017-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-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: 86600

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	45.8	-			PCB-51	108	-		
PCB-2	ND	4.78			PCB-52	2240	-	C	69
PCB-3	ND	5.44			PCB-53	365	-		
PCB-4	211	-			PCB-54	ND	6.14		
PCB-5	ND	9.57			PCB-55	88.2	-		
PCB-6	116	-			PCB-56	481	-	C	60
PCB-7	17.1	-	J		PCB-57	13.9	-	J	
PCB-8	239	-			PCB-58	ND	6.60		
PCB-9	31.7	-			PCB-59	-	-	C042	42
PCB-10	ND	8.46			PCB-60	-	-	C056	56
PCB-11	53.0	-			PCB-61	1160	-	C	70
PCB-12	ND	10.2			PCB-62	ND	7.05		
PCB-13	14.2	-	J		PCB-63	51.8	-		
PCB-14	1240	-			PCB-64	-	-	C041	41/71/72
PCB-15	48.2	-			PCB-65	ND	6.21		
PCB-16	310	-			PCB-66	800	-	C	76
PCB-17	526	-			PCB-67	46.7	-		
PCB-18	1360	-			PCB-68	36.5	-		
PCB-19	153	-			PCB-69	-	-	C052	52
PCB-20	470	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	235	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.52			PCB-73	45.4	-		
PCB-24	59.5	-			PCB-74	486	-		
PCB-25	138	-			PCB-75	-	-	C048	48
PCB-26	240	-			PCB-76	-	-	C066	66
PCB-27	55.0	-			PCB-77	45.3	-		
PCB-28	778	-			PCB-78	4250	-		
PCB-29	ND	7.28			PCB-79	19.3	-	J	
PCB-30	ND	9.09			PCB-80	43.5	-		
PCB-31	803	-			PCB-81	42.9	-		
PCB-32	382	-			PCB-82	127	-		
PCB-33	-	-	C020	20/21	PCB-83	85.9	-	C	112
PCB-34	14.1	-	J		PCB-84	847	-	C	92
PCB-35	ND	7.79			PCB-85	210	-	C	116
PCB-36	1390	-			PCB-86	ND	13.6		
PCB-37	111	-			PCB-87	476	-	C	117/125
PCB-38	ND	7.30			PCB-88	ND	10.7	C	91
PCB-39	ND	8.20			PCB-89	25.3	-		
PCB-40	232	-			PCB-90	1710	-	C	101
PCB-41	1130	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	489	-	C	59	PCB-92	-	-	C084	84
PCB-43	1540	-	C	49	PCB-93	ND	6.06		
PCB-44	1430	-			PCB-94	22.5	-		
PCB-45	266	-			PCB-95	1890	-		
PCB-46	119	-			PCB-96	23.1	-		
PCB-47	491	-			PCB-97	505	-		
PCB-48	316	-	C	75	PCB-98	ND	7.24	C	102
PCB-49	-	-	C043	43	PCB-99	663	-		
PCB-50	16.2	-	J		PCB-100	31.2	-		

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EPA Method 1668
PCBs

FAL ID: 13372-017-SA
Client ID: LDW-Y3-SU-ENR+AC-CA-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

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	324	-		
PCB-102	-	-	C098	98	PCB-152	ND	9.63		
PCB-103	49.7	-			PCB-153	968	-		
PCB-104	3890	-			PCB-154	57.6	-		
PCB-105	261	-			PCB-155	6190	-		
PCB-106	852	-	C	118	PCB-156	66.3	-		
PCB-107	86.7	-	C	108	PCB-157	17.1	-	J	
PCB-108	-	-	C107	107	PCB-158	92.4	-	C	160
PCB-109	ND	9.54			PCB-159	11.8	-	J	
PCB-110	1410	-			PCB-160	-	-	C158	158
PCB-111	18.7	-	C,J	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	10.4			PCB-163	-	-	C138	138/164
PCB-114	25.3	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111,J	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	8.99		
PCB-117	-	-	C087	87/125	PCB-167	30.1	-		
PCB-118	-	-	C	106	PCB-168	ND	9.22		
PCB-119	53.7	-			PCB-169	ND	10.9		
PCB-120	ND	8.27			PCB-170	145	-		
PCB-121	6290	-			PCB-171	54.8	-		
PCB-122	12.6	-	J		PCB-172	181	-		
PCB-123	19.8	-	J		PCB-173	ND	9.76		
PCB-124	44.0	-			PCB-174	230	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	8.39		
PCB-126	ND	8.19			PCB-176	41.8	-		
PCB-127	ND	7.04			PCB-177	127	-		
PCB-128	122	-	C	162	PCB-178	59.3	-		
PCB-129	43.5	-			PCB-179	118	-		
PCB-130	71.2	-			PCB-180	427	-		
PCB-131	45.1	-	C	133	PCB-181	ND	8.87		
PCB-132	320	-	C	161	PCB-182	289	-	C	187
PCB-133	-	-	C131	131	PCB-183	120	-		
PCB-134	78.4	-	C	143	PCB-184	6730	-		
PCB-135	200	-			PCB-185	36.7	-		
PCB-136	299	-			PCB-186	ND	6.57		
PCB-137	41.9	-			PCB-187	-	-	C182	182
PCB-138	941	-	C	163/164	PCB-188	ND	7.27		
PCB-139	1110	-	C	149	PCB-189	ND	6.65		
PCB-140	15.6	-	J		PCB-190	34.0	-		
PCB-141	177	-			PCB-191	ND	6.90		
PCB-142	935	-			PCB-192	6210	-		
PCB-143	-	-	C134	134	PCB-193	29.3	-		
PCB-144	59.6	-			PCB-194	45.0	-		
PCB-145	ND	10.4			PCB-195	20.4	-		
PCB-146	186	-	C	165	PCB-196	68.4	-	C	203
PCB-147	22.9	-			PCB-197	69.7	-		
PCB-148	ND	12.1			PCB-198	ND	10.4		
PCB-149	-	-	C139	139	PCB-199	59.1	-		
PCB-150	ND	10.4			PCB-200	ND	7.46		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-017-SA | Date Extracted: 10-16-2020 | ICal: DAILY209FAL4-10-23-20 | Acquired: 10-23-2020
Client ID: LDW-Y3-SU-ENR+AC-CA-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	7.39		
PCB-202	ND	8.40		
PCB-203	-	-	C196	196
PCB-204	13900	-		
PCB-205	ND	6.85		
PCB-206	ND	11.9		
PCB-207	51.2	-		
PCB-208	ND	8.92		
PCB-209	79.4	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	75.9	5.00 - 145	
13C-PCB-3	76.1	5.00 - 145	
13C-PCB-4	88.5	5.00 - 145	
13C-PCB-15	88.5	5.00 - 145	
13C-PCB-19	76.4	5.00 - 145	
13C-PCB-37	98.1	5.00 - 145	
13C-PCB-54	84.2	5.00 - 145	
13C-PCB-77	99.4	10.0 - 145	
13C-PCB-81	100	10.0 - 145	
13C-PCB-104	74.7	10.0 - 145	
13C-PCB-105	91.8	10.0 - 145	
13C-PCB-114	94.9	10.0 - 145	
13C-PCB-118	95.0	10.0 - 145	
13C-PCB-123	95.4	10.0 - 145	
13C-PCB-126	98.6	10.0 - 145	
13C-PCB-155	70.9	10.0 - 145	
13C-PCB-156	89.6	10.0 - 145	
13C-PCB-157	93.8	10.0 - 145	
13C-PCB-167	92.6	10.0 - 145	
13C-PCB-169	97.5	10.0 - 145	
13C-PCB-188	71.7	10.0 - 145	
13C-PCB-189	85.4	10.0 - 145	
13C-PCB-202	74.4	10.0 - 145	
13C-PCB-205	90.1	10.0 - 145	
13C-PCB-206	83.6	10.0 - 145	
13C-PCB-208	79.1	10.0 - 145	
13C-PCB-209	79.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	90.0	5.00 - 145	
13C-PCB-111	89.6	10.0 - 145	
13C-PCB-178	78.3	10.0 - 145	

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

Analyst: [signature]
Date: 10/29/2020

Reviewed By: DPV
Date: 10/29/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-019-SA
Client ID: LDW-Y3-SU-ENR+AC-CB-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: 76200

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	11.6	-	J		PCB-51	76.1	-		
PCB-2	ND	3.42			PCB-52	1490	-	C	69
PCB-3	ND	3.85			PCB-53	216	-		
PCB-4	83.7	-			PCB-54	ND	5.48		
PCB-5	ND	8.05			PCB-55	77.3	-		
PCB-6	58.4	-			PCB-56	376	-	C	60
PCB-7	ND	7.69			PCB-57	ND	5.60		
PCB-8	149	-			PCB-58	ND	5.88		
PCB-9	ND	7.69			PCB-59	-	-	C042	42
PCB-10	ND	7.11			PCB-60	-	-	C056	56
PCB-11	42.5	-			PCB-61	842	-	C	70
PCB-12	ND	8.59			PCB-62	ND	6.28		
PCB-13	ND	8.96			PCB-63	33.8	-		
PCB-14	981	-			PCB-64	-	-	C041	41/71/72
PCB-15	32.4	-			PCB-65	ND	5.54		
PCB-16	280	-			PCB-66	597	-	C	76
PCB-17	380	-			PCB-67	34.7	-		
PCB-18	930	-			PCB-68	26.1	-		
PCB-19	91.3	-			PCB-69	-	-	C052	52
PCB-20	358	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	186	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	7.45			PCB-73	29.5	-		
PCB-24	50.8	-			PCB-74	357	-		
PCB-25	94.2	-			PCB-75	-	-	C048	48
PCB-26	163	-			PCB-76	-	-	C066	66
PCB-27	31.5	-			PCB-77	40.2	-		
PCB-28	646	-			PCB-78	3870	-		
PCB-29	ND	7.21			PCB-79	13.8	-	J	
PCB-30	ND	7.85			PCB-80	21.0	-		
PCB-31	557	-			PCB-81	33.8	-		
PCB-32	189	-			PCB-82	104	-		
PCB-33	-	-	C020	20/21	PCB-83	55.8	-	C	112
PCB-34	ND	8.28			PCB-84	599	-	C	92
PCB-35	ND	7.72			PCB-85	132	-	C	116
PCB-36	1250	-			PCB-86	ND	10.5		
PCB-37	92.5	-			PCB-87	341	-	C	117/125
PCB-38	ND	7.23			PCB-88	ND	11.5	C	91
PCB-39	ND	8.12			PCB-89	18.1	-	J	
PCB-40	157	-			PCB-90	1190	-	C	101
PCB-41	788	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	351	-	C	59	PCB-92	-	-	C084	84
PCB-43	1030	-	C	49	PCB-93	ND	6.51		
PCB-44	973	-			PCB-94	ND	7.77		
PCB-45	182	-			PCB-95	1340	-		
PCB-46	81.6	-			PCB-96	18.5	-	J	
PCB-47	363	-			PCB-97	323	-		
PCB-48	215	-	C	75	PCB-98	ND	7.78	C	102
PCB-49	-	-	C043	43	PCB-99	469	-		
PCB-50	15.6	-	J		PCB-100	24.1	-		

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EPA Method 1668
PCBs

FAL ID: 13372-019-SA | Date Extracted: 10-16-2020 | ICal: DAILY209FAL4-10-23-20 | Acquired: 10-23-2020
Client ID: LDW-Y3-SU-ENR+AC-CB-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	260	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.21		
PCB-103	34.8	-			PCB-153	722	-		
PCB-104	4400	-			PCB-154	41.0	-		
PCB-105	192	-			PCB-155	6960	-		
PCB-106	605	-	C	118	PCB-156	46.1	-		
PCB-107	56.7	-	C	108	PCB-157	13.2	-	J	
PCB-108	-	-	C107	107	PCB-158	71.3	-	C	160
PCB-109	ND	7.37			PCB-159	11.5	-	J	
PCB-110	974	-			PCB-160	-	-	C158	158
PCB-111	21.6	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	8.04			PCB-163	-	-	C138	138/164
PCB-114	20.9	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	7.04		
PCB-117	-	-	C087	87/125	PCB-167	20.8	-		
PCB-118	-	-	C	106	PCB-168	ND	7.22		
PCB-119	33.9	-			PCB-169	ND	7.05		
PCB-120	ND	6.39			PCB-170	105	-		
PCB-121	6730	-			PCB-171	47.5	-		
PCB-122	ND	5.44			PCB-172	169	-		
PCB-123	13.0	-	J		PCB-173	ND	8.47		
PCB-124	31.9	-			PCB-174	167	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.29		
PCB-126	ND	6.20			PCB-176	30.5	-		
PCB-127	ND	5.56			PCB-177	107	-		
PCB-128	104	-	C	162	PCB-178	45.3	-		
PCB-129	35.7	-			PCB-179	97.4	-		
PCB-130	51.5	-			PCB-180	364	-		
PCB-131	30.0	-	C	133	PCB-181	ND	7.70		
PCB-132	247	-	C	161	PCB-182	235	-	C	187
PCB-133	-	-	C131	131	PCB-183	106	-		
PCB-134	58.3	-	C	143	PCB-184	6780	-		
PCB-135	157	-			PCB-185	25.9	-		
PCB-136	210	-			PCB-186	ND	5.71		
PCB-137	30.9	-			PCB-187	-	-	C182	182
PCB-138	694	-	C	163/164	PCB-188	ND	6.47		
PCB-139	831	-	C	149	PCB-189	ND	5.59		
PCB-140	13.3	-	J		PCB-190	20.0	-		
PCB-141	126	-			PCB-191	ND	5.99		
PCB-142	932	-			PCB-192	5850	-		
PCB-143	-	-	C134	134	PCB-193	22.1	-		
PCB-144	41.6	-			PCB-194	41.7	-		
PCB-145	ND	6.72			PCB-195	21.5	-		
PCB-146	143	-	C	165	PCB-196	63.4	-	C	203
PCB-147	18.6	-	J		PCB-197	67.5	-		
PCB-148	ND	7.78			PCB-198	ND	8.19		
PCB-149	-	-	C139	139	PCB-199	64.0	-		
PCB-150	ND	6.72			PCB-200	ND	5.85		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-019-SA | Date Extracted: 10-16-2020 | ICal: DAILY209FAL4-10-23-20 | Acquired: 10-23-2020
Client ID: LDW-Y3-SU-ENR+AC-CB-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	5.79		
PCB-202	ND	6.59		
PCB-203	-	-	C196	196
PCB-204	13100	-		
PCB-205	ND	5.38		
PCB-206	15.3	-	J	
PCB-207	50.2	-		
PCB-208	ND	5.22		
PCB-209	71.3	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	71.3	5.00 - 145	
13C-PCB-3	75.5	5.00 - 145	
13C-PCB-4	83.4	5.00 - 145	
13C-PCB-15	84.5	5.00 - 145	
13C-PCB-19	68.8	5.00 - 145	
13C-PCB-37	91.5	5.00 - 145	
13C-PCB-54	79.2	5.00 - 145	
13C-PCB-77	94.3	10.0 - 145	
13C-PCB-81	96.4	10.0 - 145	
13C-PCB-104	66.7	10.0 - 145	
13C-PCB-105	93.0	10.0 - 145	
13C-PCB-114	98.1	10.0 - 145	
13C-PCB-118	96.9	10.0 - 145	
13C-PCB-123	99.9	10.0 - 145	
13C-PCB-126	98.9	10.0 - 145	
13C-PCB-155	68.7	10.0 - 145	
13C-PCB-156	90.6	10.0 - 145	
13C-PCB-157	90.2	10.0 - 145	
13C-PCB-167	93.3	10.0 - 145	
13C-PCB-169	98.2	10.0 - 145	
13C-PCB-188	73.8	10.0 - 145	
13C-PCB-189	84.9	10.0 - 145	
13C-PCB-202	72.5	10.0 - 145	
13C-PCB-205	89.4	10.0 - 145	
13C-PCB-206	80.4	10.0 - 145	
13C-PCB-208	82.0	10.0 - 145	
13C-PCB-209	77.2	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	90.3	5.00 - 145	
13C-PCB-111	85.9	10.0 - 145	
13C-PCB-178	76.2	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: 10/29/2020

Reviewed By: DPV
Date: 10/29/2020

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EPA Method 1668
PCBs

FAL ID: 13372-020-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-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: 68300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	11.7	-	J		PCB-51	145	-		
PCB-2	ND	3.14			PCB-52	2540	-	C	69
PCB-3	ND	3.66			PCB-53	404	-		
PCB-4	209	-			PCB-54	12.5	-	J	
PCB-5	ND	5.94			PCB-55	62.2	-		
PCB-6	132	-			PCB-56	677	-	C	60
PCB-7	23.4	-			PCB-57	14.8	-	J	
PCB-8	370	-			PCB-58	11.2	-	J	
PCB-9	21.9	-			PCB-59	-	-	C042	42
PCB-10	11.8	-	J		PCB-60	-	-	C056	56
PCB-11	34.1	-			PCB-61	1490	-	C	70
PCB-12	ND	6.34			PCB-62	ND	7.30		
PCB-13	16.0	-	J		PCB-63	55.2	-		
PCB-14	465	-			PCB-64	-	-	C041	41/71/72
PCB-15	93.3	-			PCB-65	ND	6.44		
PCB-16	487	-			PCB-66	1030	-	C	76
PCB-17	816	-			PCB-67	52.4	-		
PCB-18	2060	-			PCB-68	24.7	-		
PCB-19	211	-			PCB-69	-	-	C052	52
PCB-20	792	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	439	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	6.81			PCB-73	31.6	-		
PCB-24	99.3	-			PCB-74	651	-		
PCB-25	189	-			PCB-75	-	-	C048	48
PCB-26	353	-			PCB-76	-	-	C066	66
PCB-27	84.7	-			PCB-77	61.0	-		
PCB-28	1300	-			PCB-78	1840	-		
PCB-29	12.7	-	J		PCB-79	19.2	-	J	
PCB-30	ND	6.99			PCB-80	29.3	-		
PCB-31	1350	-			PCB-81	38.2	-		
PCB-32	573	-			PCB-82	182	-		
PCB-33	-	-	C020	20/21	PCB-83	89.5	-	C	112
PCB-34	18.2	-	J		PCB-84	841	-	C	92
PCB-35	ND	7.05			PCB-85	210	-	C	116
PCB-36	574	-			PCB-86	ND	12.5		
PCB-37	194	-			PCB-87	565	-	C	117/125
PCB-38	ND	6.61			PCB-88	ND	8.28	C	91
PCB-39	ND	7.42			PCB-89	31.5	-		
PCB-40	311	-			PCB-90	1740	-	C	101
PCB-41	1420	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	612	-	C	59	PCB-92	-	-	C084	84
PCB-43	1730	-	C	49	PCB-93	ND	4.67		
PCB-44	1790	-			PCB-94	18.6	-	J	
PCB-45	351	-			PCB-95	1900	-		
PCB-46	147	-			PCB-96	25.1	-		
PCB-47	588	-			PCB-97	534	-		
PCB-48	392	-	C	75	PCB-98	ND	5.58	C	102
PCB-49	-	-	C043	43	PCB-99	657	-		
PCB-50	15.6	-	J		PCB-100	20.7	-		

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EPA Method 1668
PCBs

FAL ID: 13372-020-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-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	294	-		
PCB-102	-	-	C098	98	PCB-152	ND	6.07		
PCB-103	30.8	-			PCB-153	796	-		
PCB-104	1600	-			PCB-154	33.0	-		
PCB-105	285	-			PCB-155	3120	-		
PCB-106	889	-	C	118	PCB-156	60.7	-		
PCB-107	76.9	-	C	108	PCB-157	15.2	-	J	
PCB-108	-	-	C107	107	PCB-158	99.2	-	C	160
PCB-109	ND	8.75			PCB-159	14.1	-	J	
PCB-110	1540	-			PCB-160	-	-	C158	158
PCB-111	26.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	9.55			PCB-163	-	-	C138	138/164
PCB-114	33.6	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	6.97		
PCB-117	-	-	C087	87/125	PCB-167	29.2	-		
PCB-118	-	-	C	106	PCB-168	ND	7.15		
PCB-119	41.7	-			PCB-169	ND	7.62		
PCB-120	ND	7.59			PCB-170	115	-		
PCB-121	3260	-			PCB-171	48.8	-		
PCB-122	11.4	-	J		PCB-172	116	-		
PCB-123	19.5	-	J		PCB-173	ND	8.49		
PCB-124	47.6	-			PCB-174	171	-		
PCB-125	-	-	C087	87/117	PCB-175	ND	7.30		
PCB-126	ND	6.21			PCB-176	26.7	-		
PCB-127	ND	5.69			PCB-177	97.8	-		
PCB-128	122	-	C	162	PCB-178	44.5	-		
PCB-129	41.8	-			PCB-179	93.2	-		
PCB-130	59.5	-			PCB-180	347	-		
PCB-131	39.6	-	C	133	PCB-181	ND	7.72		
PCB-132	306	-	C	161	PCB-182	222	-	C	187
PCB-133	-	-	C131	131	PCB-183	98.9	-		
PCB-134	74.3	-	C	143	PCB-184	3690	-		
PCB-135	178	-			PCB-185	30.5	-		
PCB-136	239	-			PCB-186	ND	5.71		
PCB-137	41.6	-			PCB-187	-	-	C182	182
PCB-138	851	-	C	163/164	PCB-188	16.7	-	J	
PCB-139	964	-	C	149	PCB-189	ND	6.09		
PCB-140	ND	7.81			PCB-190	30.1	-		
PCB-141	165	-			PCB-191	ND	6.00		
PCB-142	466	-			PCB-192	3510	-		
PCB-143	-	-	C134	134	PCB-193	19.0	-	J	
PCB-144	52.0	-			PCB-194	43.9	-		
PCB-145	ND	6.57			PCB-195	24.8	-		
PCB-146	148	-	C	165	PCB-196	55.0	-	C	203
PCB-147	21.1	-			PCB-197	56.5	-		
PCB-148	ND	7.61			PCB-198	ND	7.38		
PCB-149	-	-	C139	139	PCB-199	47.1	-		
PCB-150	ND	6.58			PCB-200	ND	5.27		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13372-020-SA
Client ID: LDW-Y3-SU-ENR+AC-CC-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	5.22		
PCB-202	ND	5.94		
PCB-203	-	-	C196	196
PCB-204	8930	-		
PCB-205	ND	6.28		
PCB-206	14.4	-	J	
PCB-207	33.6	-		
PCB-208	ND	5.63		
PCB-209	53.6	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	76.0	5.00 - 145	
13C-PCB-3	76.5	5.00 - 145	
13C-PCB-4	91.0	5.00 - 145	
13C-PCB-15	91.5	5.00 - 145	
13C-PCB-19	73.4	5.00 - 145	
13C-PCB-37	97.4	5.00 - 145	
13C-PCB-54	85.7	5.00 - 145	
13C-PCB-77	98.8	10.0 - 145	
13C-PCB-81	100	10.0 - 145	
13C-PCB-104	76.8	10.0 - 145	
13C-PCB-105	93.1	10.0 - 145	
13C-PCB-114	95.4	10.0 - 145	
13C-PCB-118	95.7	10.0 - 145	
13C-PCB-123	97.0	10.0 - 145	
13C-PCB-126	101	10.0 - 145	
13C-PCB-155	78.4	10.0 - 145	
13C-PCB-156	93.3	10.0 - 145	
13C-PCB-157	96.6	10.0 - 145	
13C-PCB-167	94.7	10.0 - 145	
13C-PCB-169	101	10.0 - 145	
13C-PCB-188	79.3	10.0 - 145	
13C-PCB-189	90.7	10.0 - 145	
13C-PCB-202	76.3	10.0 - 145	
13C-PCB-205	89.8	10.0 - 145	
13C-PCB-206	85.2	10.0 - 145	
13C-PCB-208	84.9	10.0 - 145	
13C-PCB-209	79.3	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	93.0	5.00 - 145	
13C-PCB-111	86.9	10.0 - 145	
13C-PCB-178	79.3	10.0 - 145	

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

Analyst: [signature]

Date: 10/29/2020

Reviewed By: DPV

Date: 10/29/2020

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CHAIN OF CUSTODY

EcoAnalysts
LIFE IN WATER

13372
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 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
21	LDW-Y3-SC-ENR+AC-CE-S010	SPME fibers + hexane	1 Vial	9/29/2020	1412	X						4°C		
22	LDW-Y3-SC-ENR+AC-CE-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1616	X						4°C		
23	LDW-Y3-SC-ENR+AC-S010-DEP	SPME fibers + hexane	1 Vial	9/28/2020	1449	X						4°C		
24	LDW-Y3-SC-ENR-CA-S010	SPME fibers + hexane	1 Vial	9/29/2020	1436	X						4°C		
25	LDW-Y3-SC-ENR-CA-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1627	X						4°C		
26	LDW-Y3-SC-ENR-CB-S010	SPME fibers + hexane	1 Vial	9/29/2020	1455	X						4°C		
27	LDW-Y3-SC-ENR-CB-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1637	X						4°C		
28	LDW-Y3-SC-ENR-CC-S010	SPME fibers + hexane	1 Vial	9/29/2020	1446	X						4°C		
29	LDW-Y3-SC-ENR-CC-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1644	X						4°C		
30	LDW-Y3-SC-ENR-CD-S010	SPME fibers + hexane	1 Vial	9/29/2020	1501	X						4°C		
31	LDW-Y3-SC-ENR-CD-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1653	X						4°C		
32	LDW-Y3-SC-ENR-CE-S010	SPME fibers + hexane	1 Vial	9/29/2020	1511	X						4°C		
33	LDW-Y3-SC-ENR-CE-S010-LONG	SPME fibers + hexane	1 Vial	9/29/2020	1702	X						4°C		
34	LDW-Y3-SC-ENR-S010-DEP	SPME fibers + hexane	1 Vial	9/28/2020	1440	X						4°C		
35	LDW-Y3-SC-S010-TB	SPME fibers + hexane	1 Vial	9/28/2020	1500	X						4°C		
36	LDW-Y3-SU-ENR+AC-CA-S010	SPME fibers + hexane	1 Vial	9/28/2020	958	X						4°C		
37	LDW-Y3-SU-ENR+AC-CA-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1321	X						4°C		
38	LDW-Y3-SU-ENR+AC-CB-S010	SPME fibers + hexane	1 Vial	9/28/2020	1014	X						4°C		
39	LDW-Y3-SU-ENR+AC-CB-S010-BIO	SPME fibers + hexane	1 Vial	9/28/2020	1330	X						4°C		
40	LDW-Y3-SU-ENR+AC-CC-S010	SPME fibers + hexane	1 Vial	9/28/2020	1022	X						4°C		

Relinquished by:	Received by:	Relinquished by:	Received by:	Matrix Codes
Print Name: Michelle Knowlen	Print Name: Kathy Zipp	Print Name:	Print Name:	FW = Fresh Water
Signature: M. Z	Signature: Kathy Zipp	Signature:	Signature:	SB = Salt & Brackish Water
Affiliation: EcoAnalysis	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 – Report in Floyd Snider.
Fed Ex 7716 7339 6443

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
www.frontieranalytical.com

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	

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Sample Login Form

FAL Project ID: **13372**

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:	20
Duplicates:	0
Storage Location:	R-3

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

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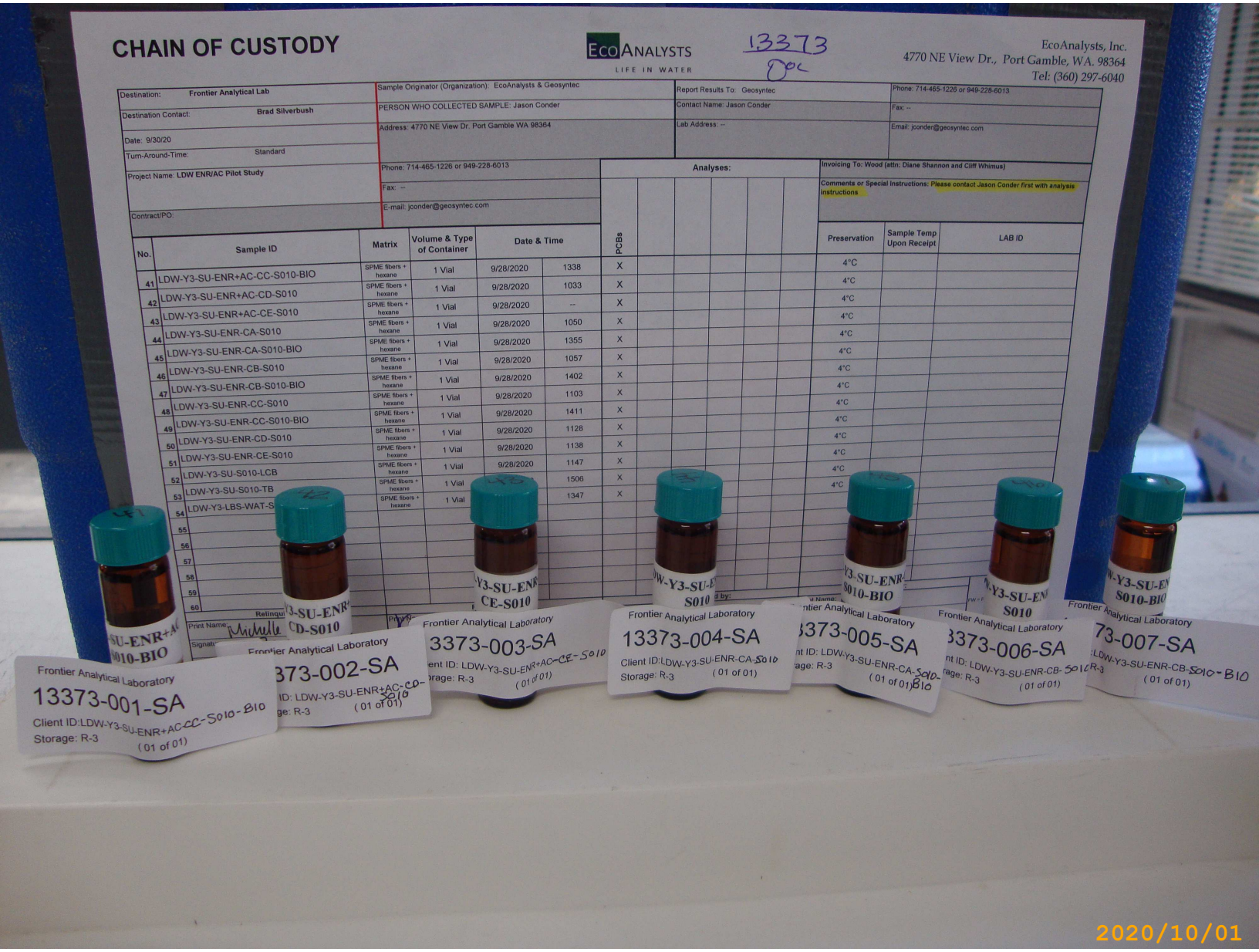

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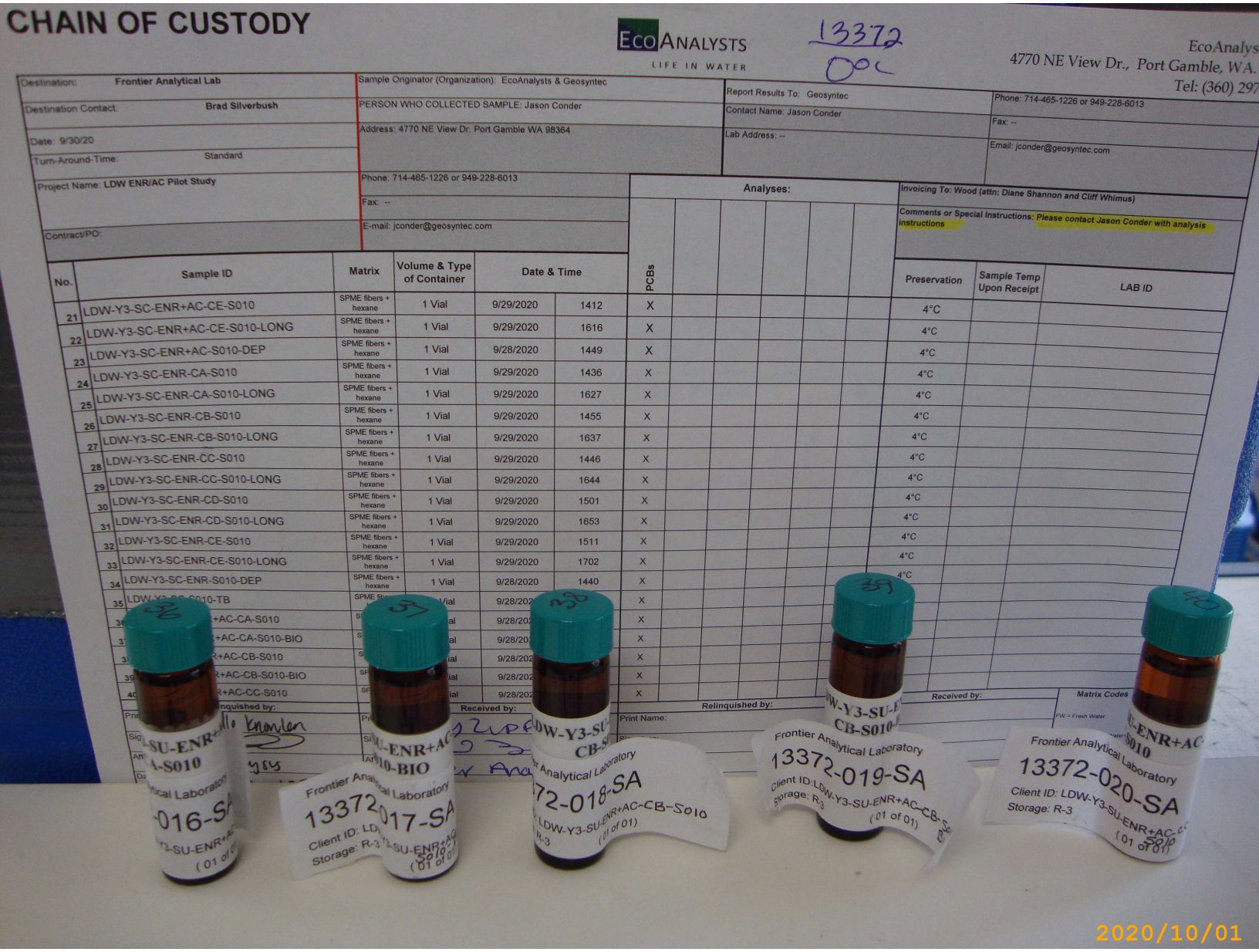

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PROJECT REQUEST SHEET

Project #:	13372	Sample #:	~~1-20~~ 1-10 RR 10-13-20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/28/2021
Matrix:	Solvent	Extraction Batch:	5483	Due Date:	10/23/2020
Method:	EPA 1668 PCB			Storage:	R-3
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13372
13372-8

Extract/s located in box: Windmill

Instrument:
DB5MS ____
007-225 ____
DB1MS FAL-1/
Other ____

Standards: ____

Extract + hold 13372 - 1,2,6,7

~~Extract + hold all samples.~~ 10/16/20

L4 DATA + F/S EDD

ANALYZE 13372-3,4,5,8,9,10

Frontier Analytical Laboratory

EXTRACTION SHEET

Project #: 13372 Extraction Date: 2020-10-13 Extraction Chemist: RR

Method/Analysis: EPA 1668 PCB

Procedure: Solvent Dilution Solvent: Hexane

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 5 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 200507A Vial: 2 Chemist/Witness/Date
13371 05483-001-0001-MB					
05483-001-0001-OPR					
13372-001-0001-SA	5.49mL	NA	RR 10.13.20	NA	RR 10.13.20
13372-002-0001-SA	5.40mL				
13372-003-0001-SA	5.39mL				
13372-004-0001-SA	5.32mL				
13372-005-0001-SA	5.31mL				
13372-006-0001-SA	5.20mL				
13372-007-0001-SA	5.33mL				
13372-008-0001-SA	5.37mL				
13372-009-0001-SA	5.10mL				
13372-010-0001-SA	4.99mL				

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

Comments:

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13372

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
13371 05483-001-0001-MB				
05483-001-0001-OPR				
13372-001-0001-SA	RR 10-14-20	NA	NA	RR KC 10-15-20
13372-002-0001-SA				
13372-003-0001-SA				
13372-004-0001-SA				
13372-005-0001-SA				
13372-006-0001-SA				
13372-007-0001-SA				
13372-008-0001-SA				
13372-009-0001-SA				
13372-010-0001-SA				

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

Comments:

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PROJECT REQUEST SHEET

Project #:	13372	Sample #:	~~1-20~~ 11-20 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:

Instrument:
DB5MS _____
007-225 _____
DB1MS _____
Other _____

Extract/s located in box: "Sniffles"

Standards: _____

Analyze: 11,14,15,16,17,19,20

Hold: 12,13,18

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EXTRACTION SHEET

Project #: 13372 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
05488-001-0001-MB	(5.00mL)	NA	KC 10.16.20	NA	KC 10.16.20
05488-001-0001-OPR	(5.00mL)			KC 10.16.20	
13372-011-0001-SA	5.60g			NA	
13372-012-0001-SA	5.80g				
13372-013-0001-SA	5.70g				
13372-014-0001-SA	4.40g				
13372-015-0001-SA	4.60g				
13372-016-0001-SA	5.50g				
13372-017-0001-SA	5.70g				
13372-018-0001-SA	5.80g				
13372-019-0001-SA	5.70g				
13372-020-0001-SA	4.80g				

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

Comments:

- MB and OPR blank matrix is 5.00mL Hexane.
- Sample volumes are approximate, measured using a 5mL Pipet. KC 10.16.20

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CLEANUP SHEET

Project #: 13372

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 PCB-MS6 Chemist/Date	Cleanup 2 NA Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 200707A Vial: 1 Chemist/Witness/Date
05488-001-0001-MB	KC 10.16.20	NA	NA	KC 10.16.20
05488-001-0001-OPR				
13372-011-0001-SA				
13372-012-0001-SA				HOLD
13372-013-0001-SA				HOLD
13372-014-0001-SA				KC 10.16.20
13372-015-0001-SA				
13372-016-0001-SA				
13372-017-0001-SA				
13372-018-0001-SA				HOLD
13372-019-0001-SA				KC 10.16.20
13372-020-0001-SA				

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

Comments:

- Samples 12, 13 and 18 are on hold. They do not contain nonane or RS. KC 10.16.20

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

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

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

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

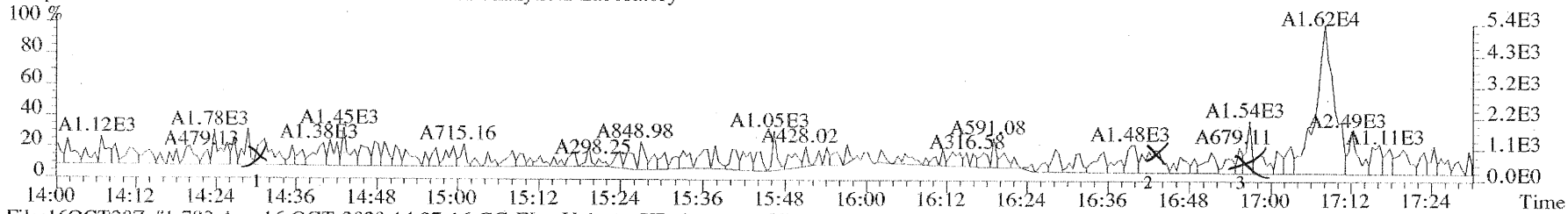
PCB-127	*	*	n	NotFnd	1.13	*	456	551	5.96			
PCB-126	*	*	n	NotFnd	1.17	*	456	551	6.36			
13C-PCB-126	1.50e+07	1.63	y	42:00	1.41	9980				99.8	2.15e+06	1.25e+06
PCB-151	*	*	n	NotFnd	1.04	*	566	410	8.28			
PCB-135	*	*	n	NotFnd	1.03	*	566	410	8.41			
PCB-144	*	*	n	NotFnd	1.08	*	566	410	8.03			
PCB-147	*	*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

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

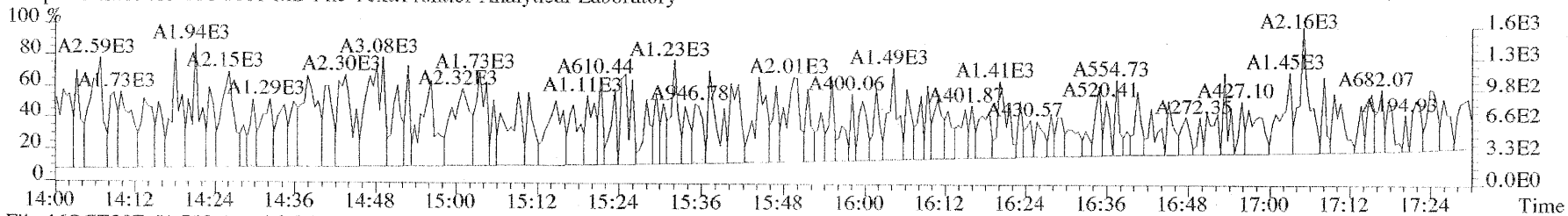
PCB-188	*	*	n	NotFnd	1.20	*	600	321	9.99			
13C-PCB-188	8.17e+06	1.08	y	39:38	0.90	8480				84.8	1.00e+06	9.13e+05
PCB-184	*	*	n	NotFnd	1.35	*	600	321	8.32			
PCB-179	*	*	n	NotFnd	1.32	*	600	321	8.48			
PCB-176	*	*	n	NotFnd	1.27	*	600	321	8.86			
PCB-186	*	*	n	NotFnd	1.26	*	600	321	8.92			
PCB-178	*	*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

Analyst: [illegible] Date: 10/19/20

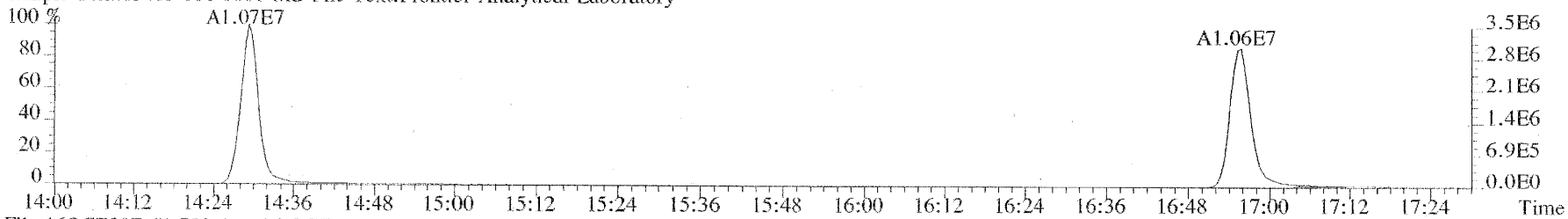
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



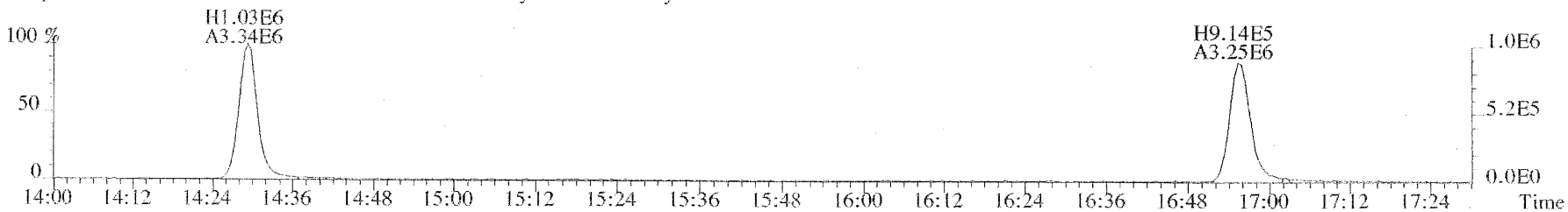
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



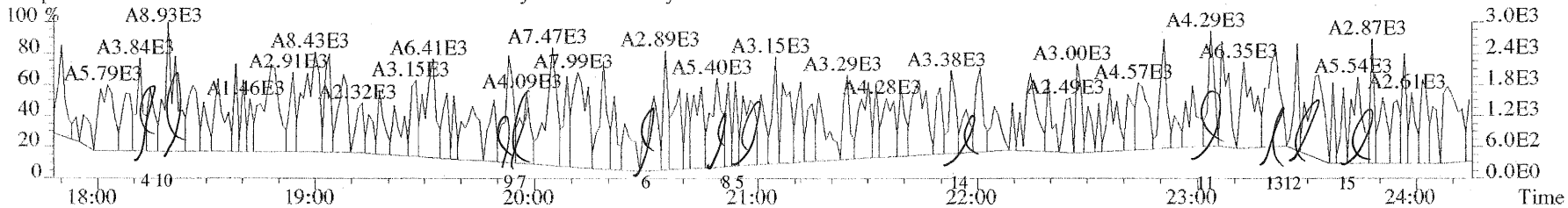
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



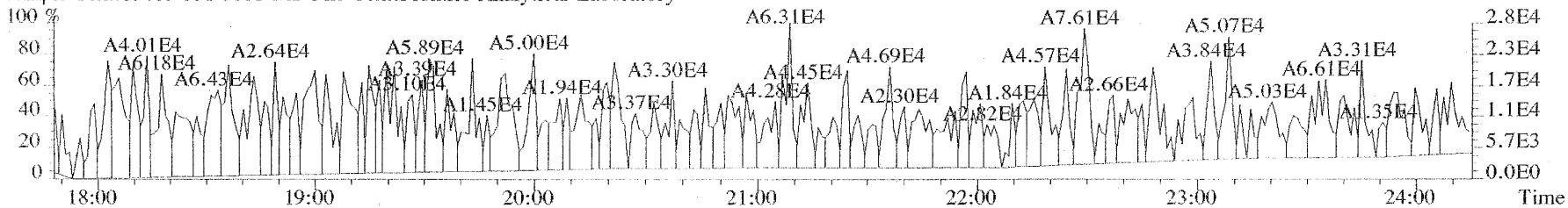
File:16OCT20Z #1-783 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



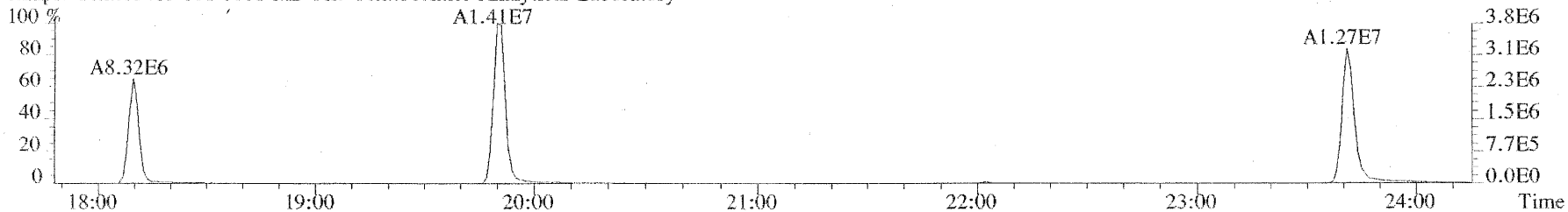
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



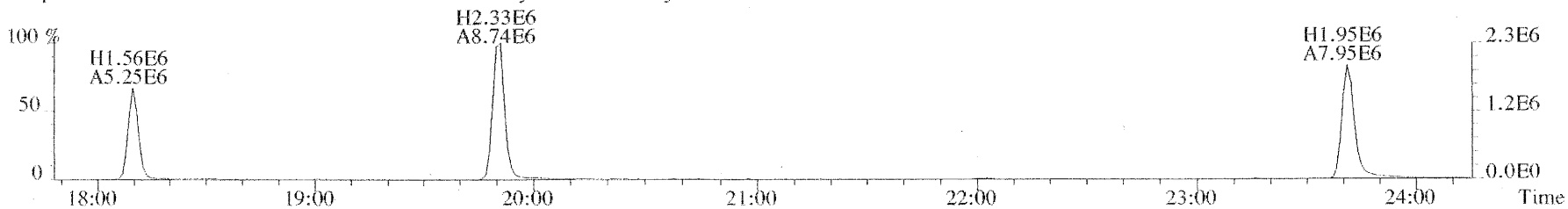
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



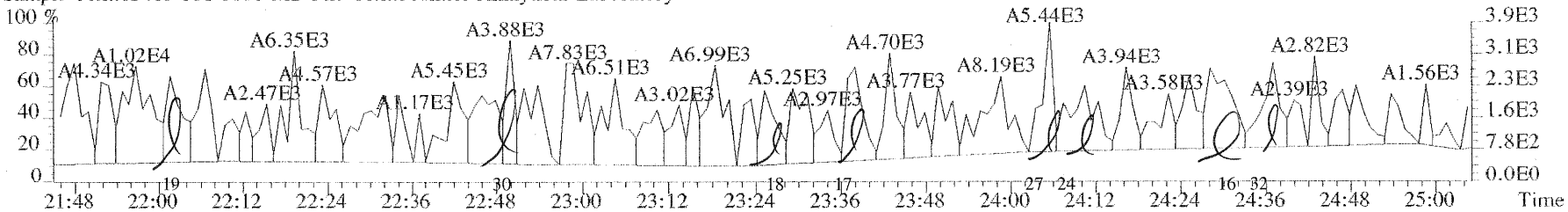
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



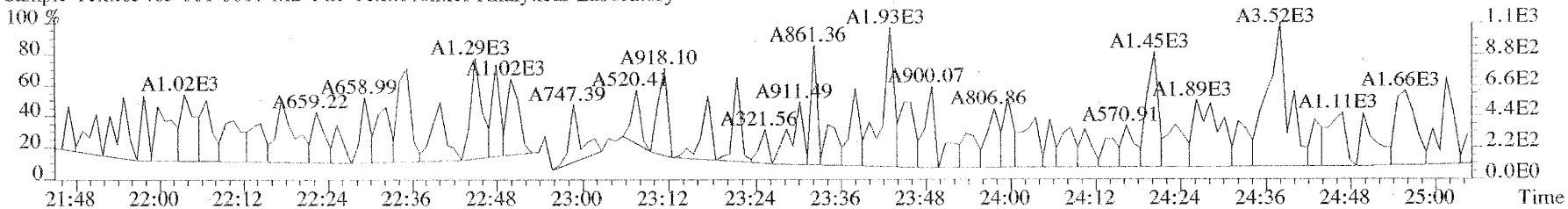
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



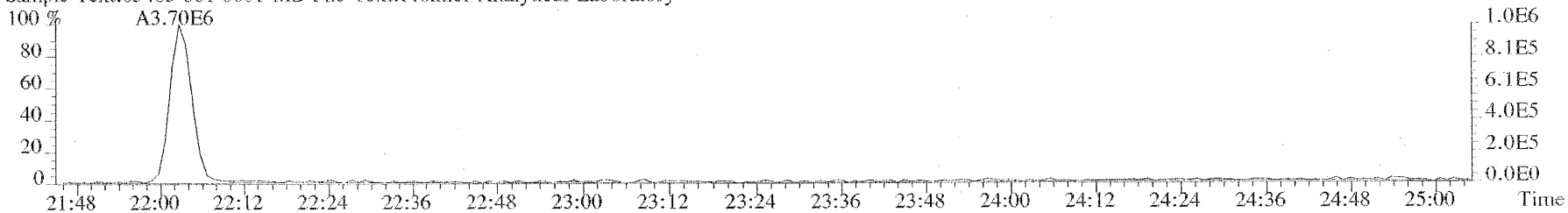
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



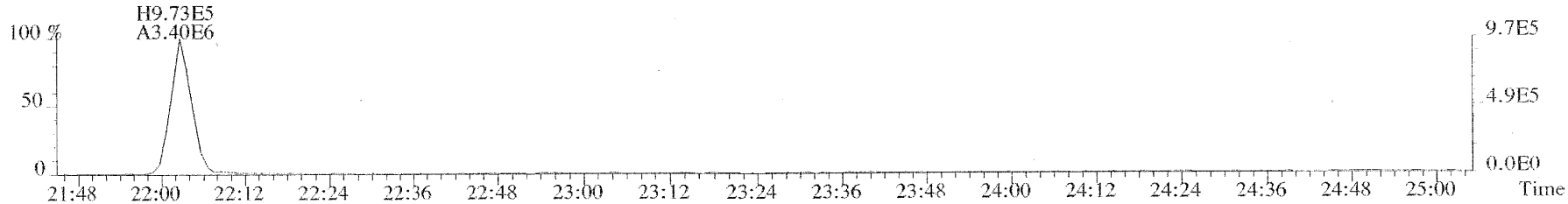
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



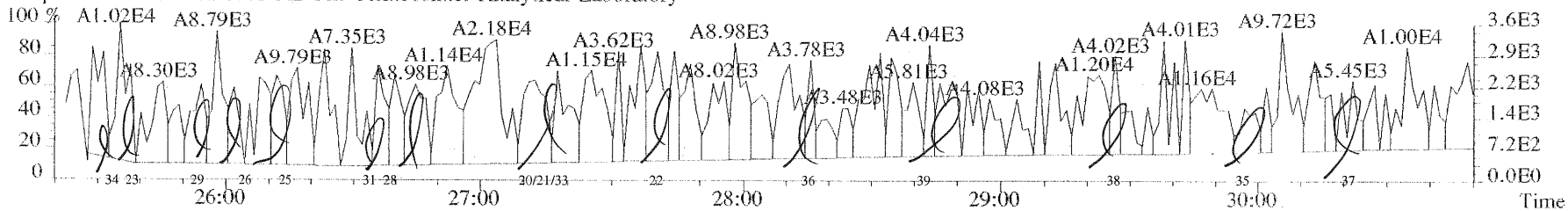
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



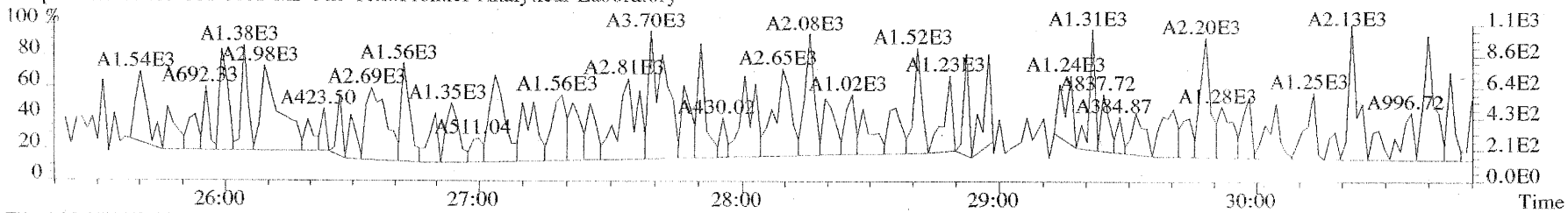
File:16OCT20Z #1-467 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



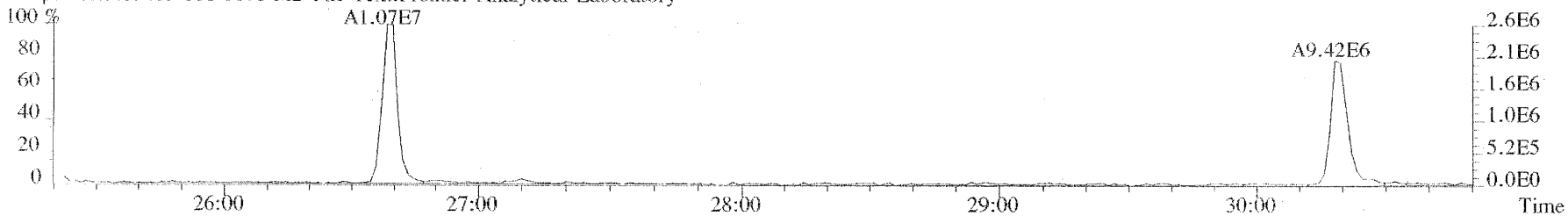
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



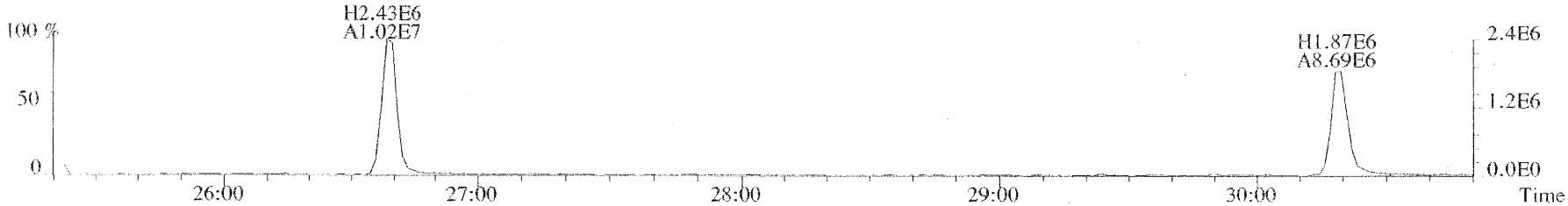
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



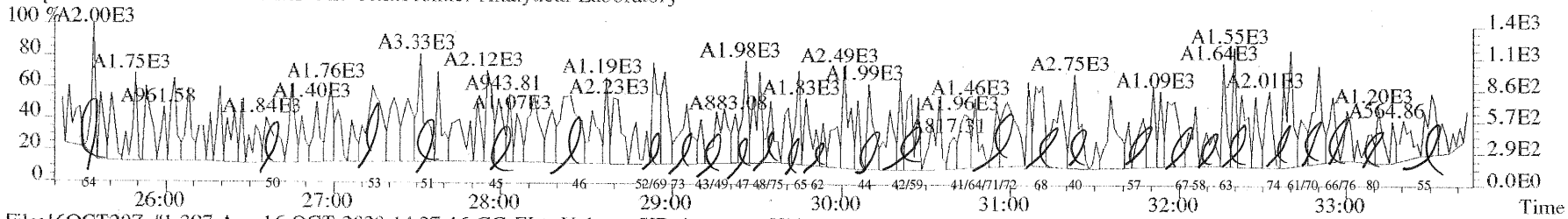
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



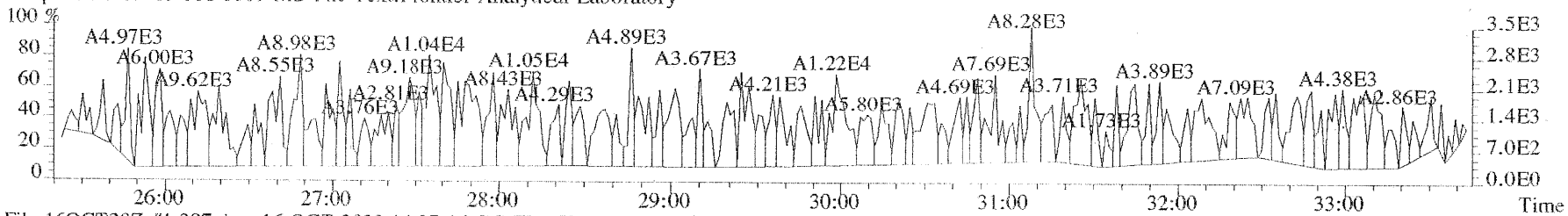
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



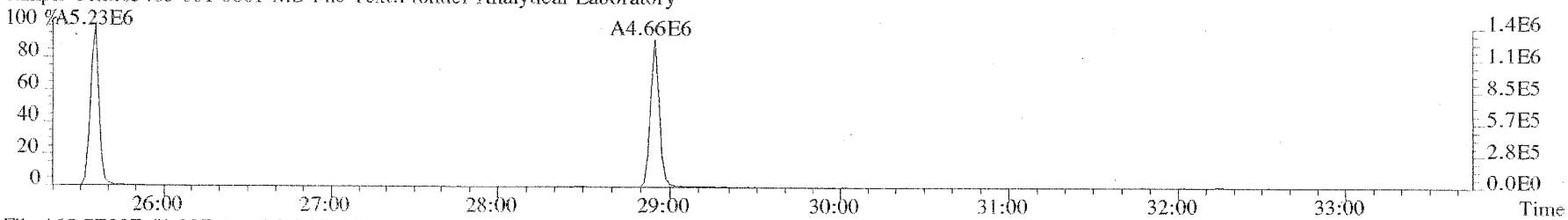
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



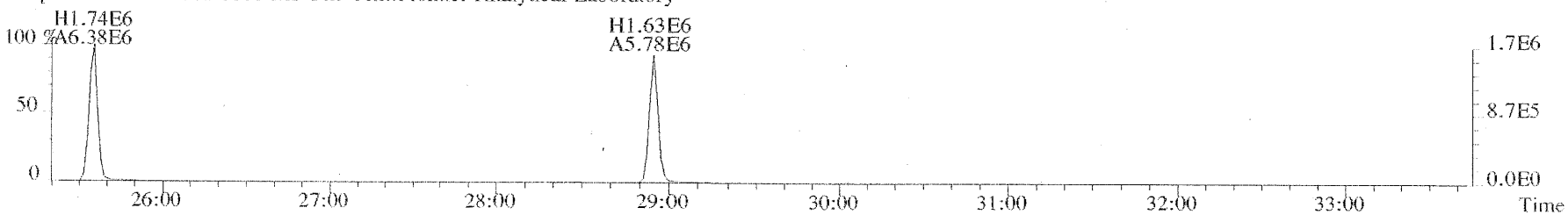
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



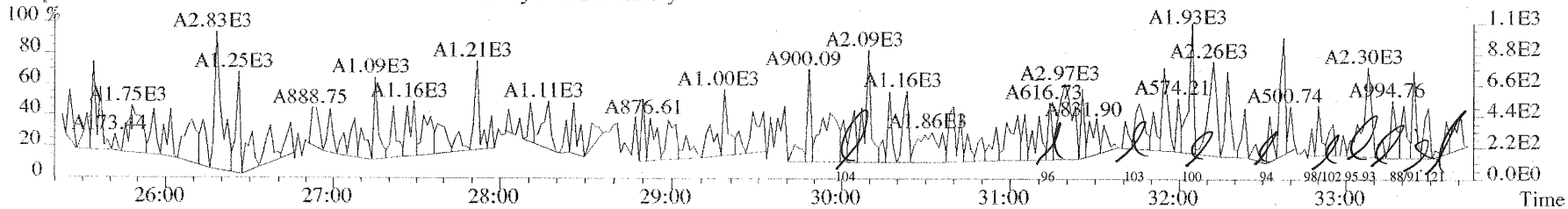
File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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



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



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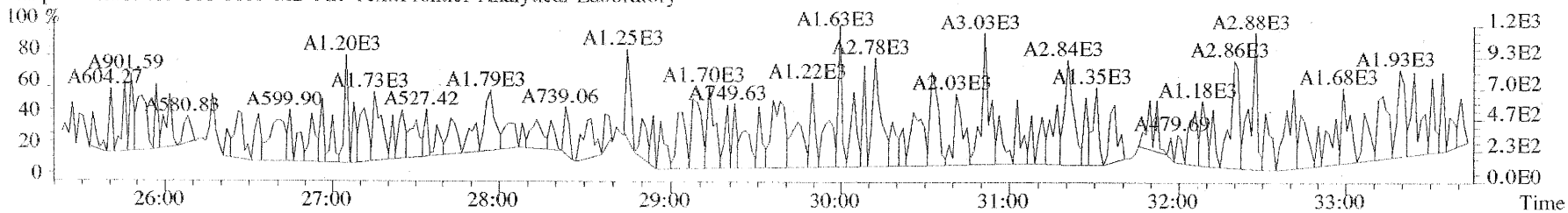

File:16OCT20Z #1-397 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
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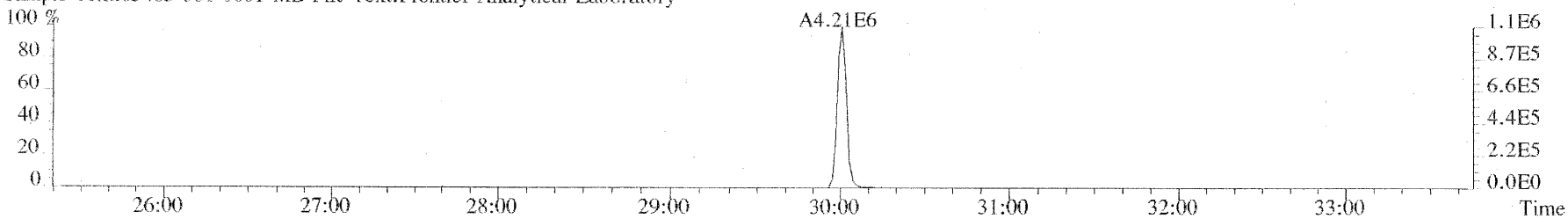

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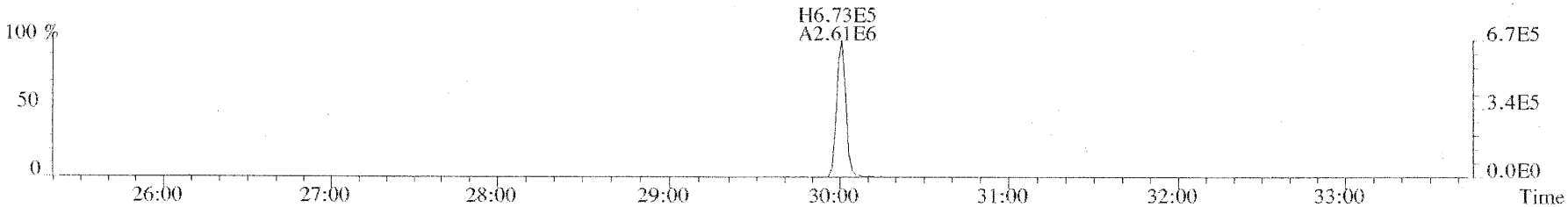

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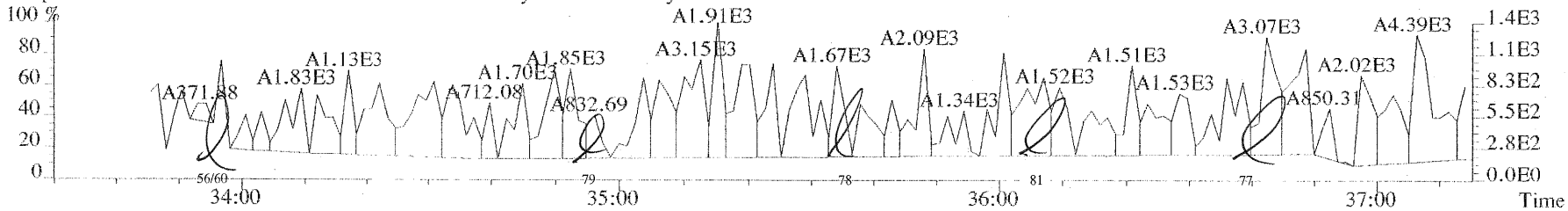

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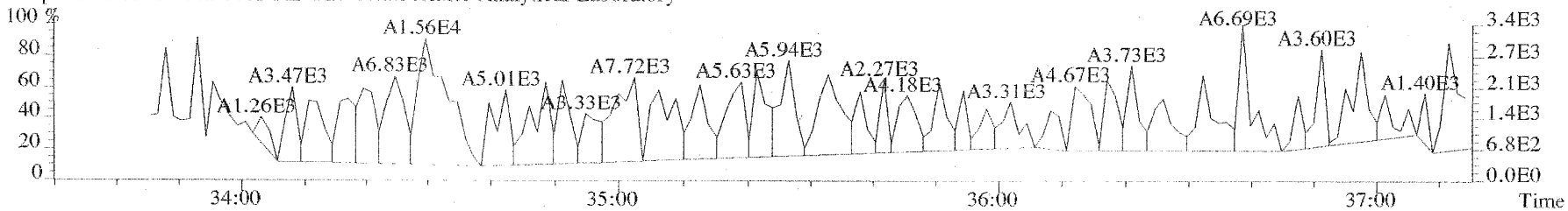

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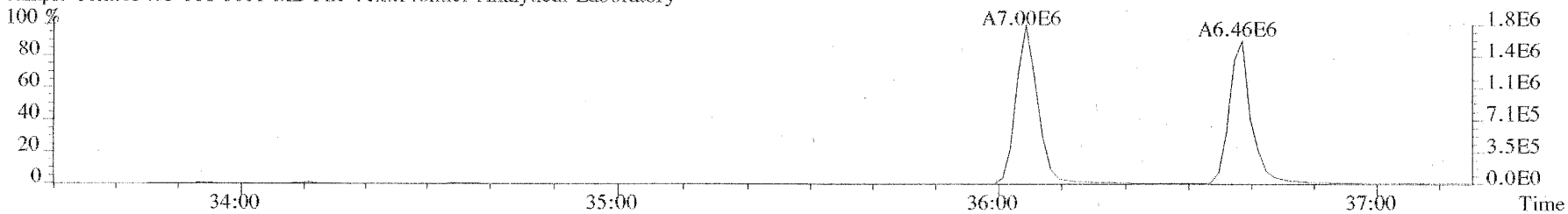
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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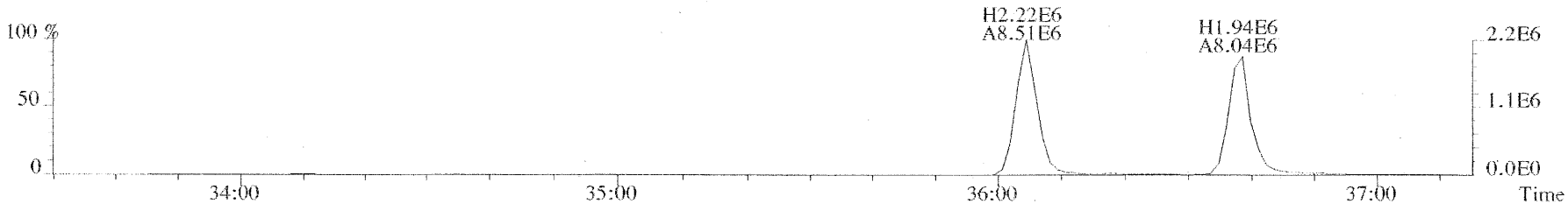

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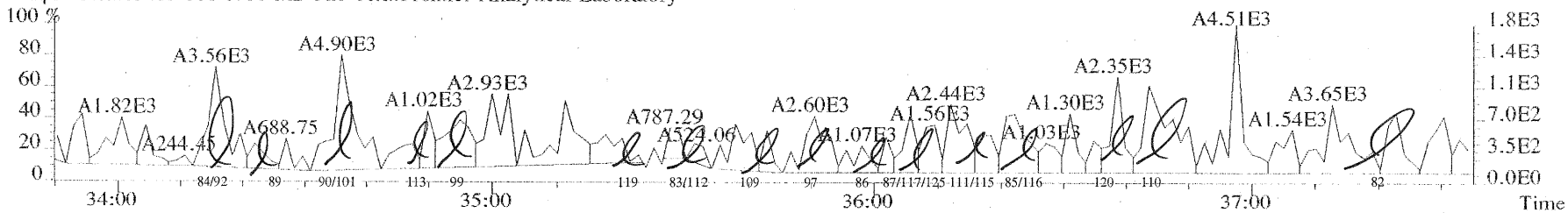
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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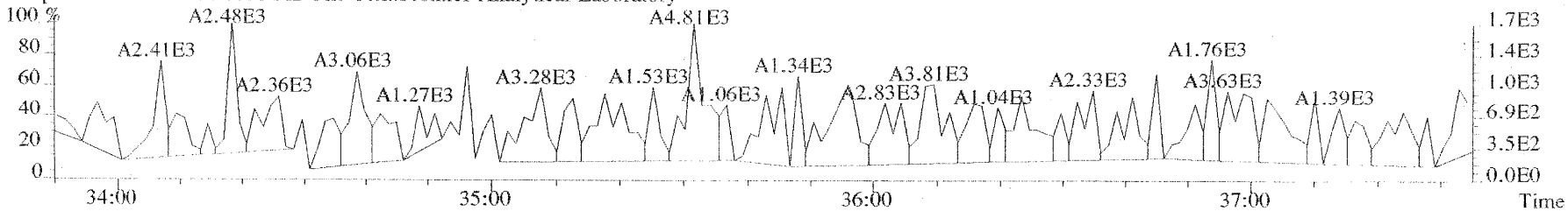
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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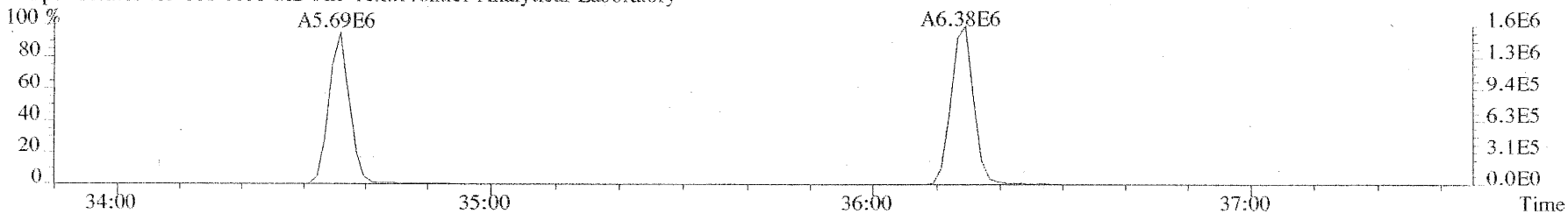
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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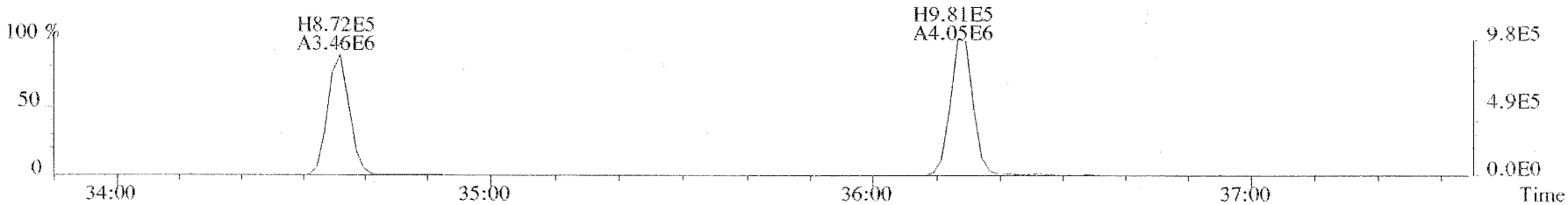

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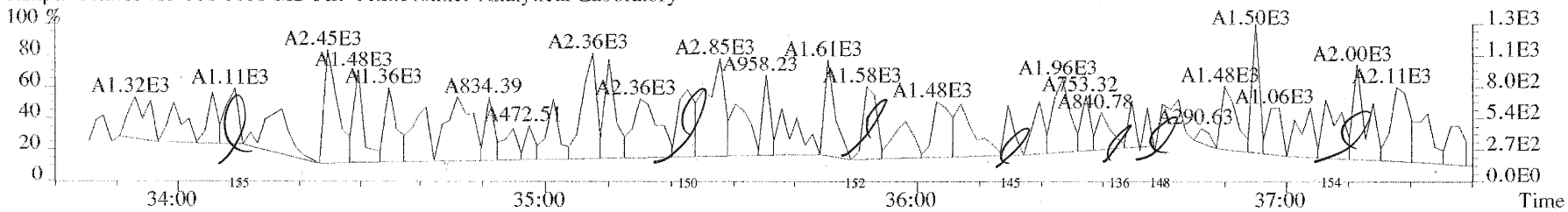
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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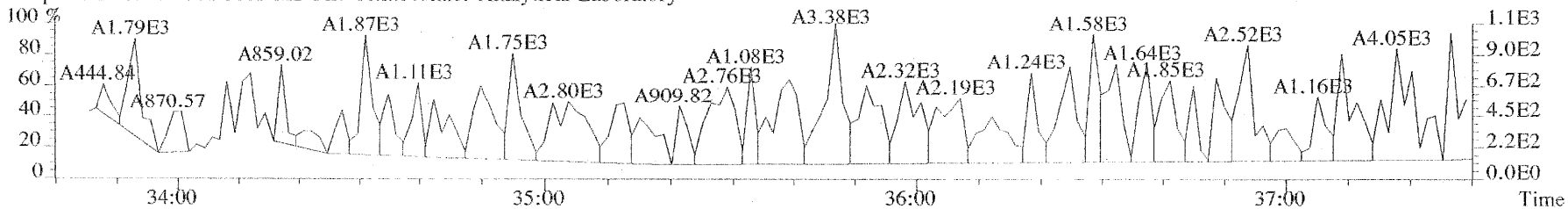
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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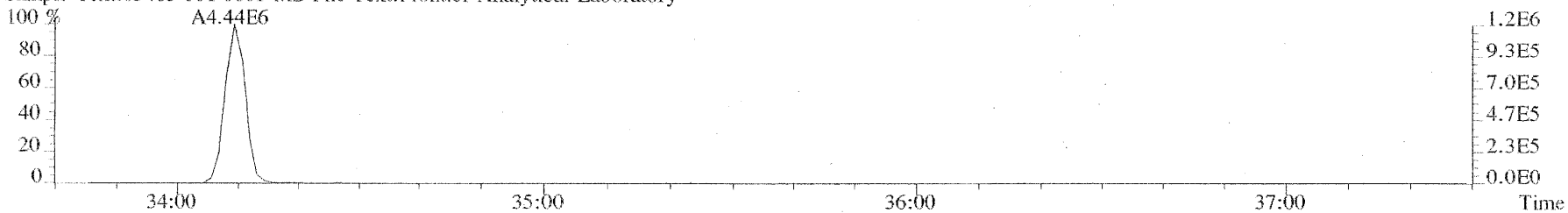
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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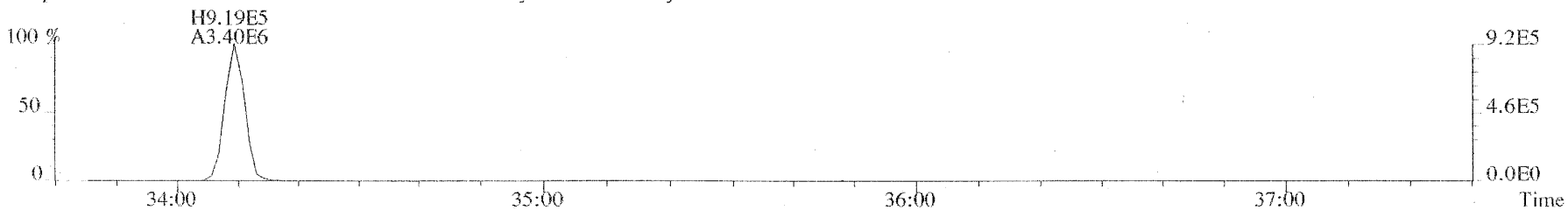
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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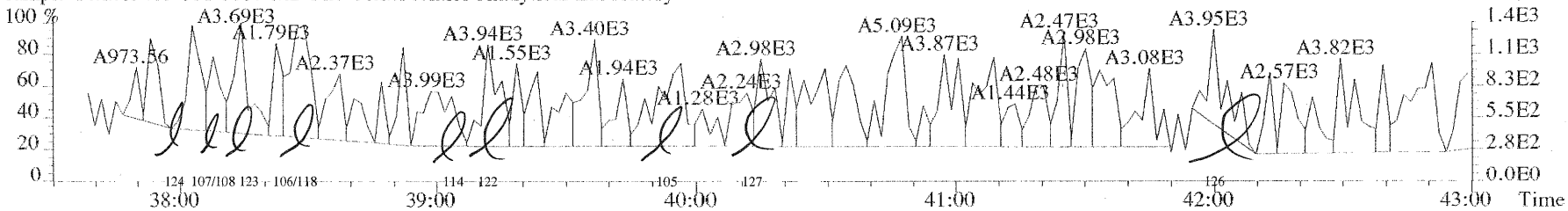
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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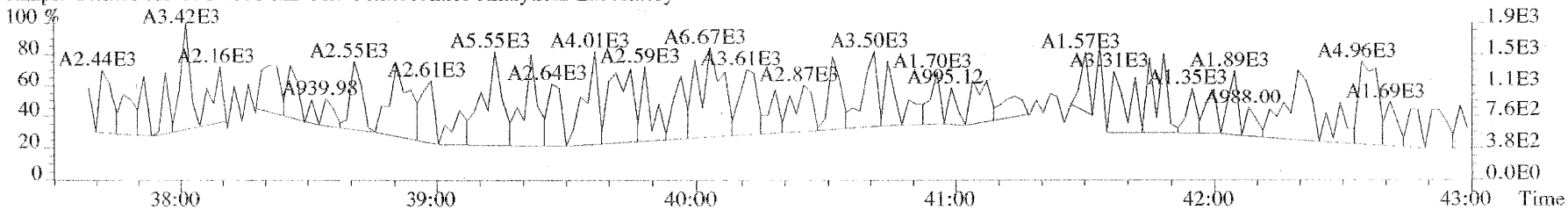

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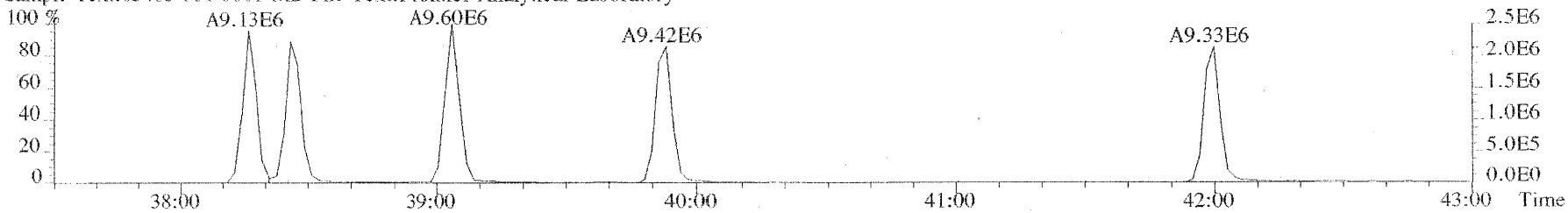

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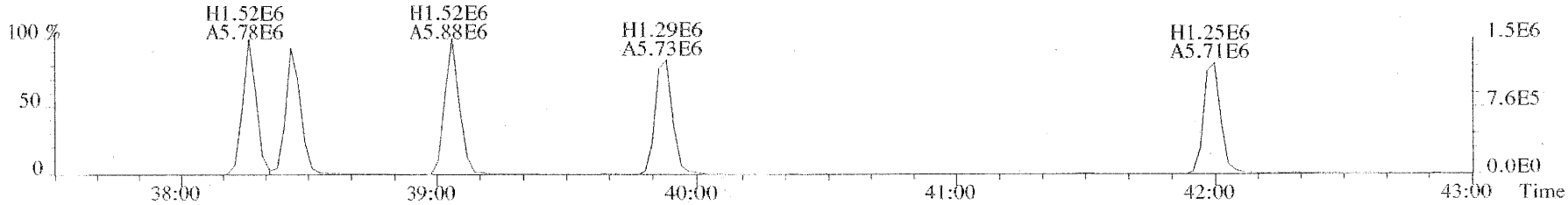

File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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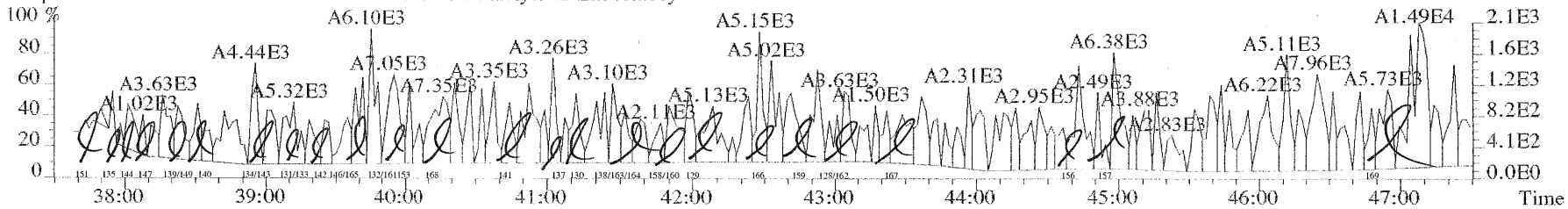

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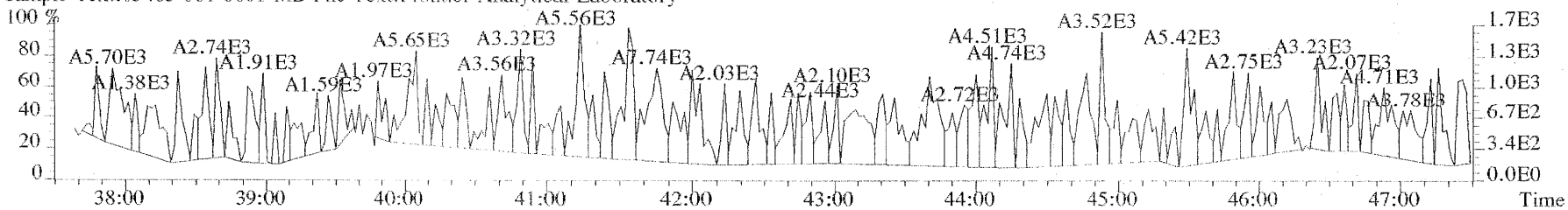

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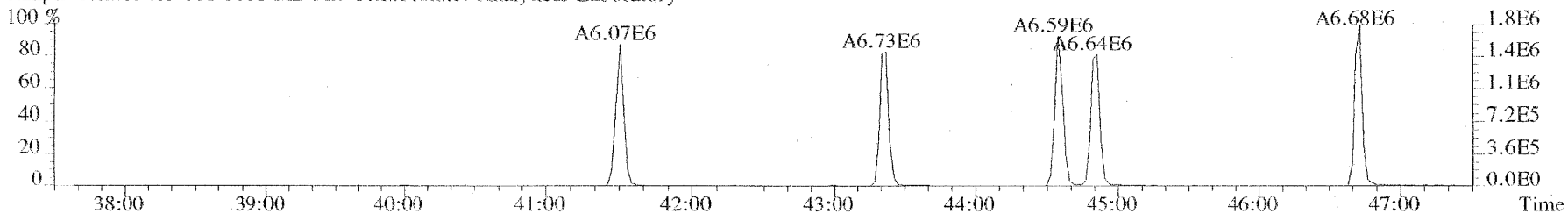

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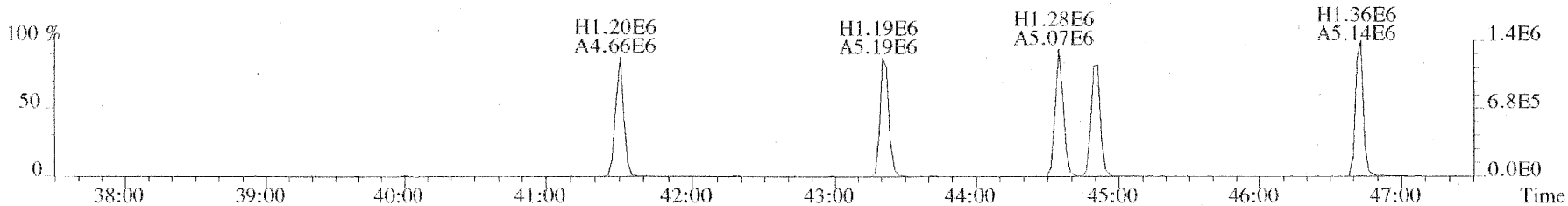

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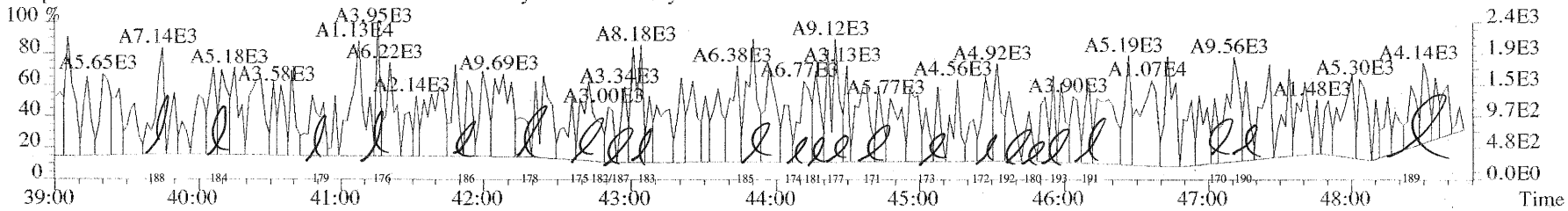

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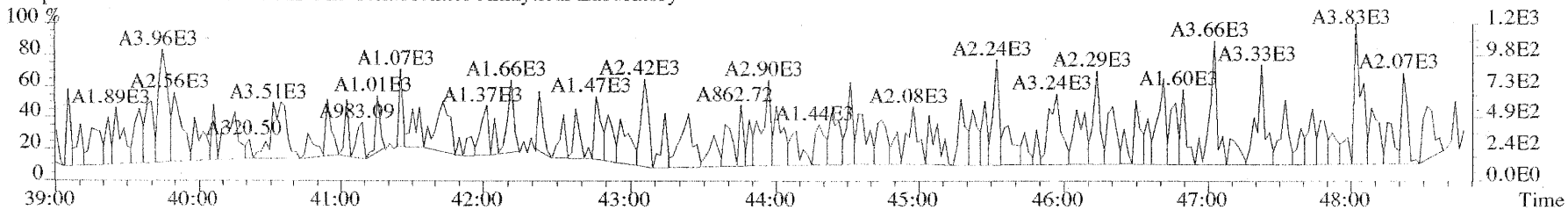

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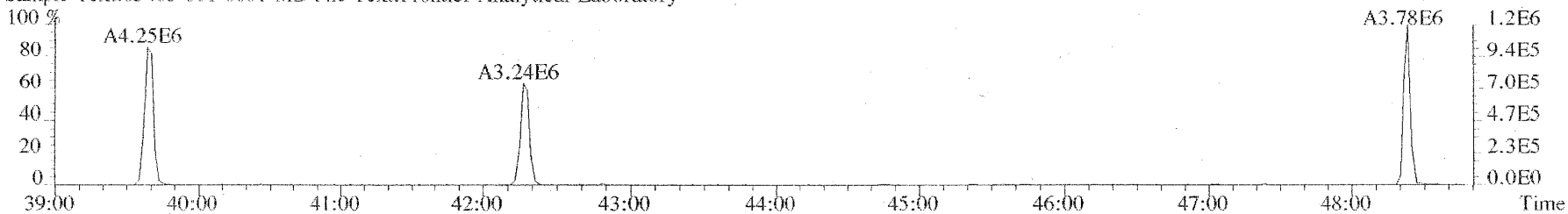

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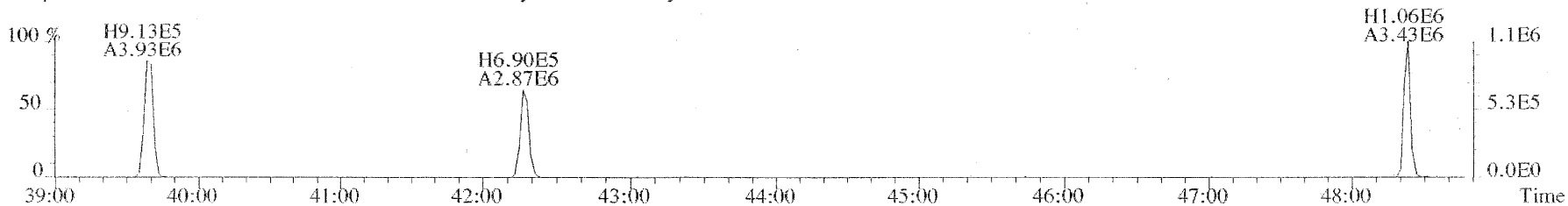

File:16OCT20Z #1-407 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
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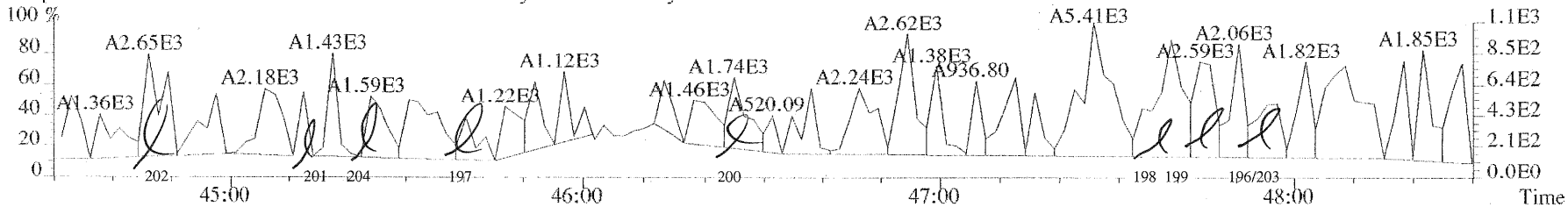
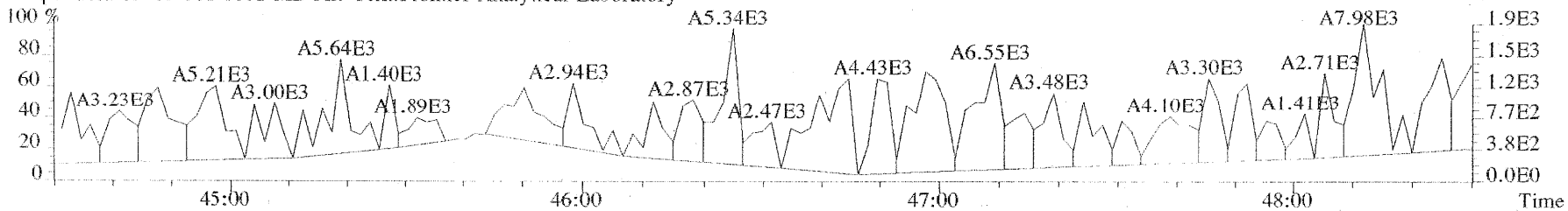
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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



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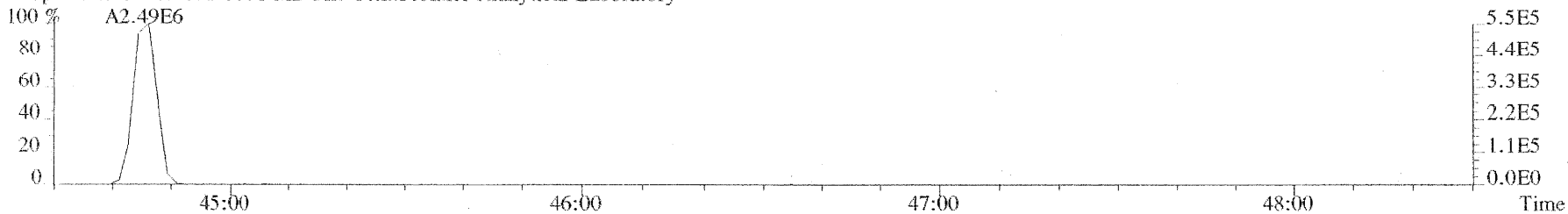

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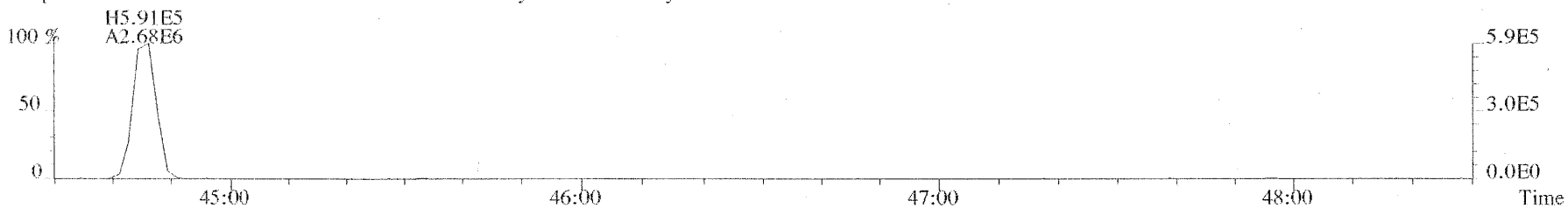

File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
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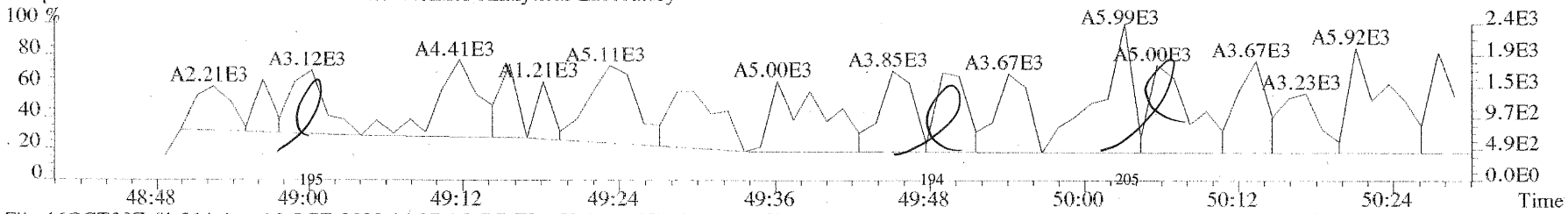
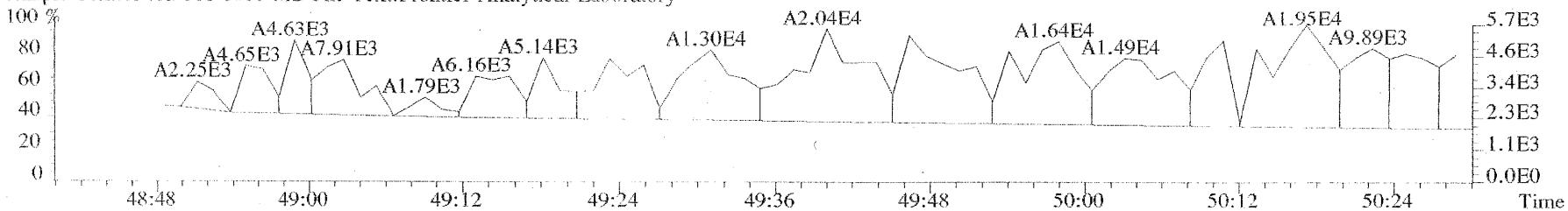
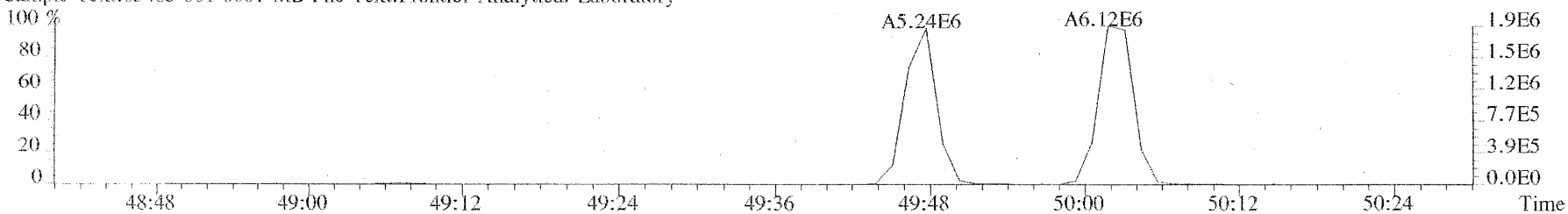


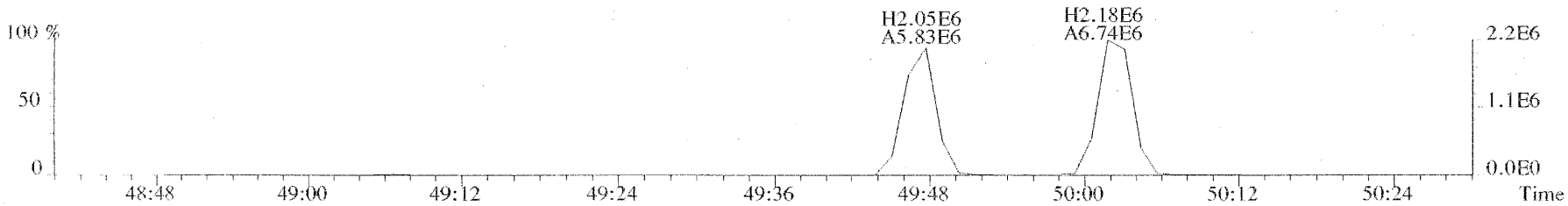
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



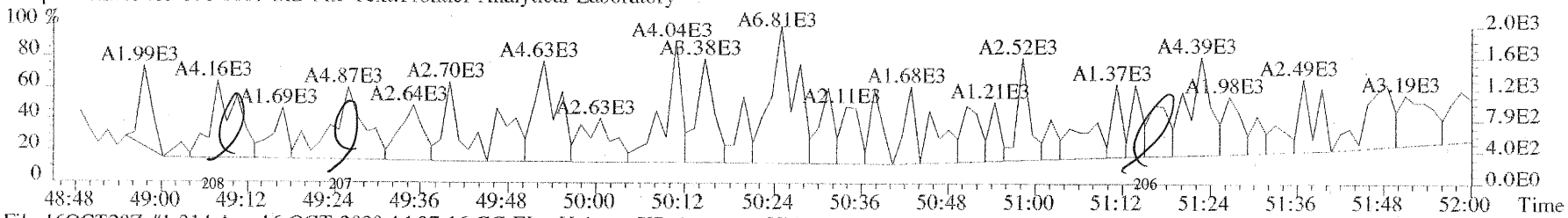
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



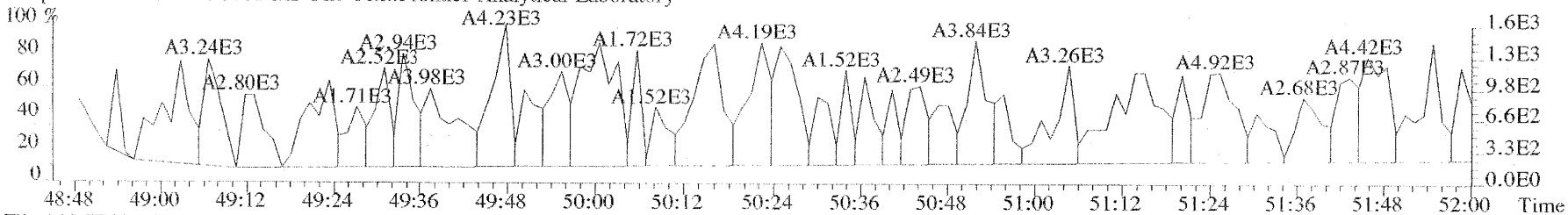
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



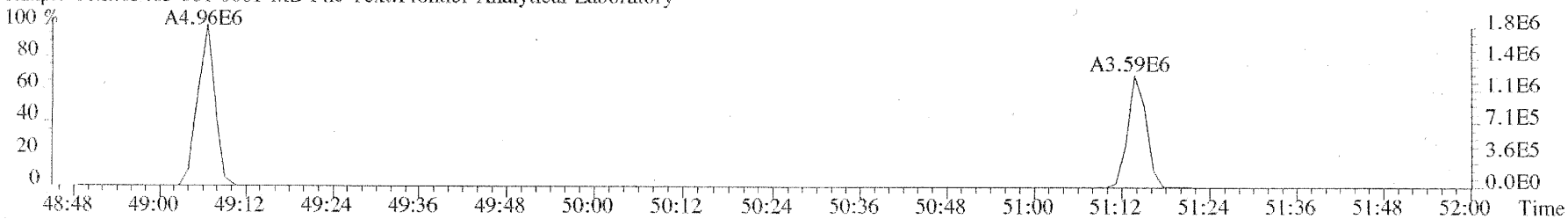
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



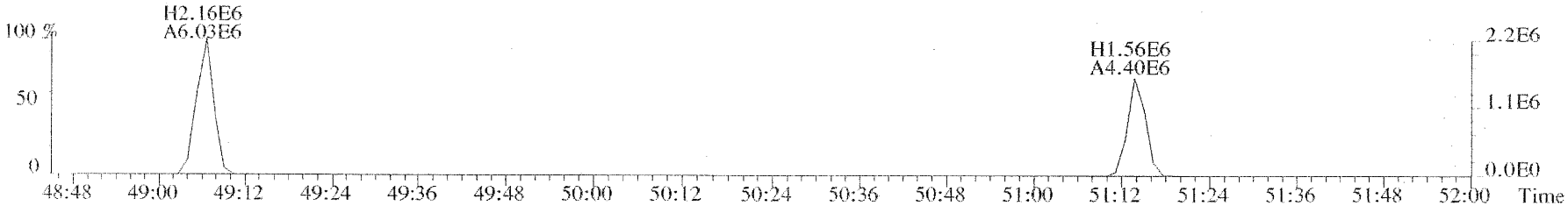
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



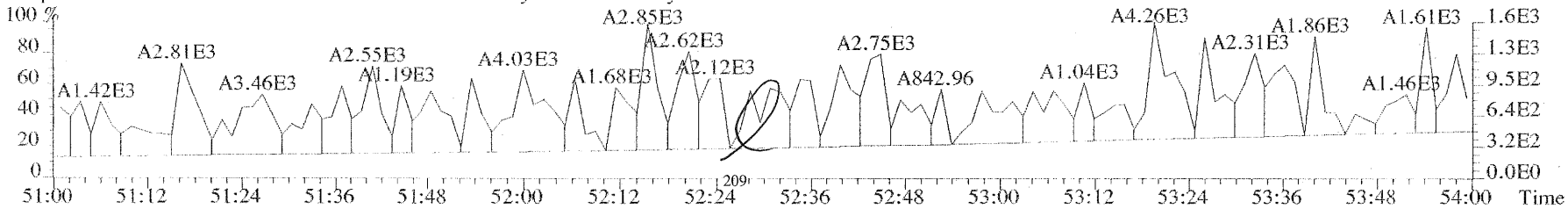
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



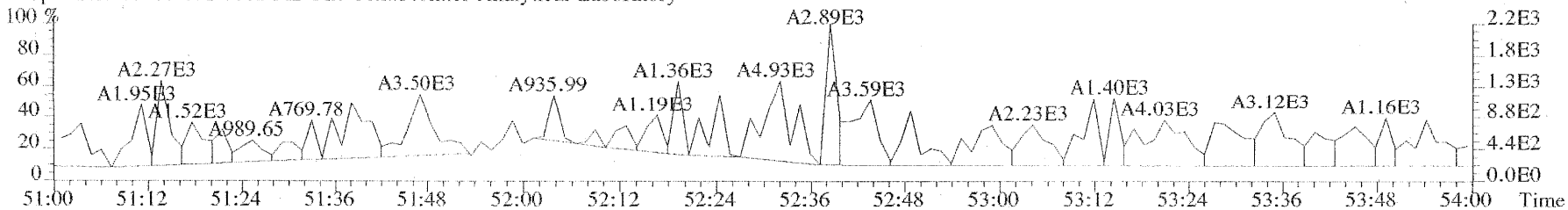
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



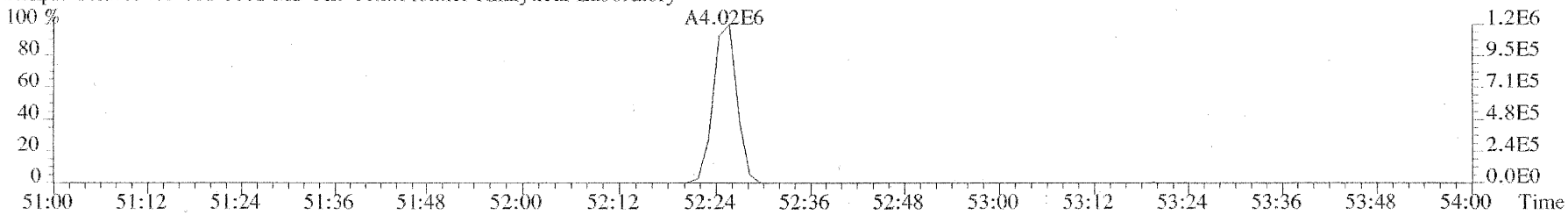
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



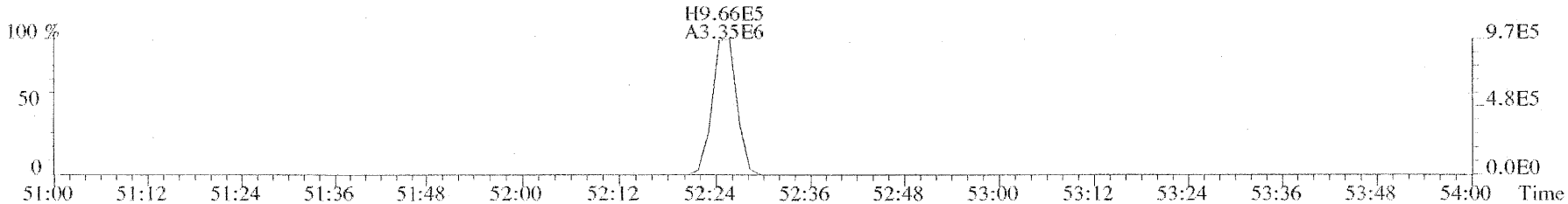
File:16OCT20Z #1-314 Acq:16-OCT-2020 14:37:16 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-MB File Text:Frontier Analytical Laboratory



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



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



Frontier Analytical Laboratory

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

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

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

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

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

Analyst: Date: 10/16/20

Frontier Analytical Laboratory

FORM 8B

209 PCB ONGOING PRECISION AND RECOVERY (OPR)

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

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

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

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

Analyst: _____ Date: 10/16/20

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

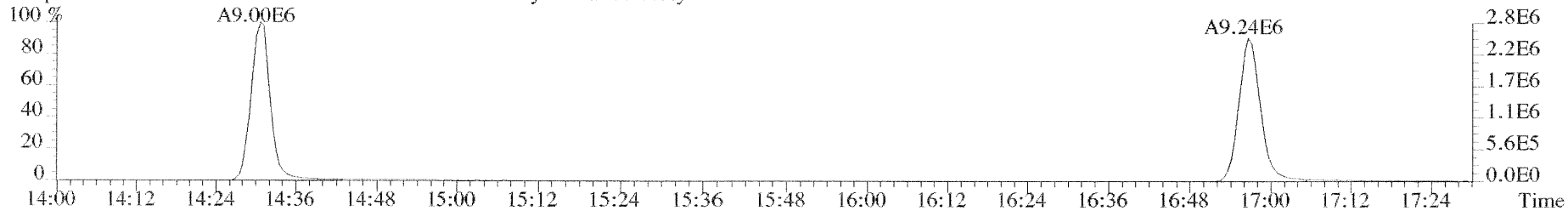
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.18e+07	3.23 y	14:31	1.48	45.2		2.50	-	-	*	
13C-PCB-1	1.76e+07	3.19 y	14:29	0.70	94.1		2.50				94.1
PCB-3	1.21e+07	3.19 y	16:57	1.47	45.6		2.50	-	-	*	
13C-PCB-3	1.81e+07	3.33 y	16:56	0.68	99.3		2.50				99.3
PCB-4	9.79e+06	1.48 y	18:12	1.02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

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

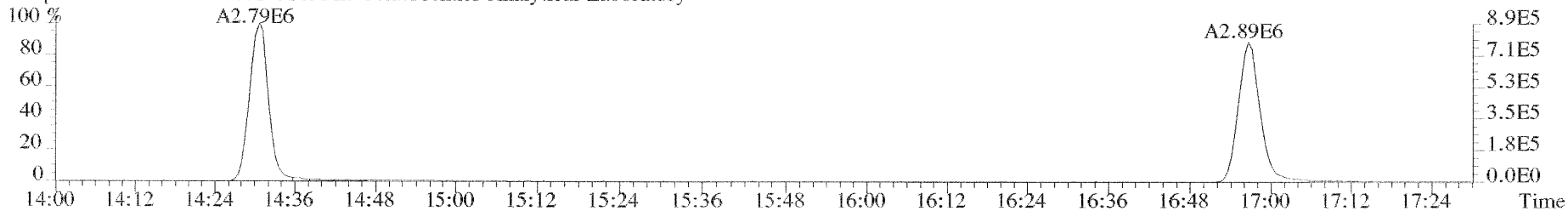
PCB-205	7.47e+06	0.89	y	50:05	1.14	46.3	2.50	-	-	*	
13C-PCB-205	1.42e+07	0.90	y	50:03	1.24	107	2.50				107
PCB-208	6.19e+06	1.35	y	49:08	1.13	47.4	2.50	-	-	*	
13C-PCB-208	1.15e+07	0.81	y	49:08	1.08	99.8	2.50				99.8
PCB-206	4.46e+06	1.34	y	51:17	1.17	46.6	2.50	-	-	*	
13C-PCB-206	8.15e+06	0.84	y	51:15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

Analyst: _____ Date: 10/14/20

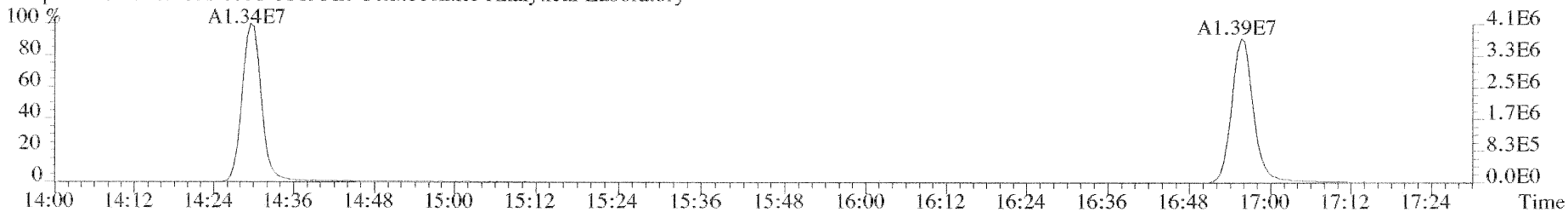
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



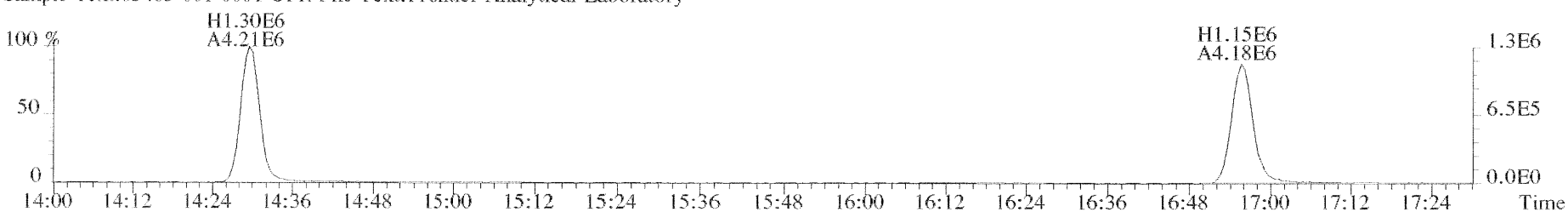
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



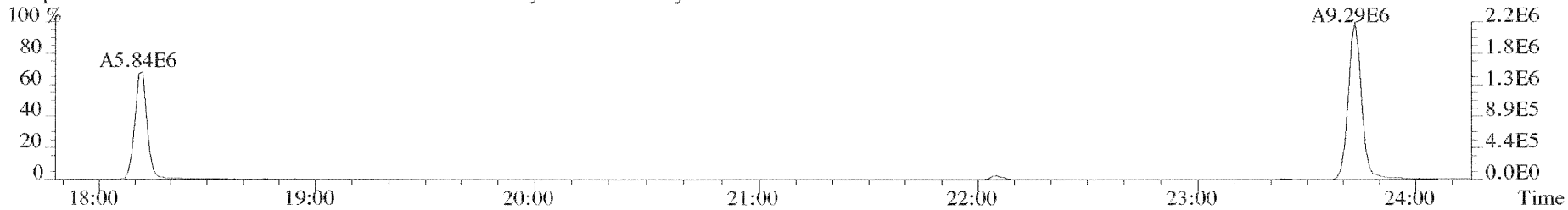
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



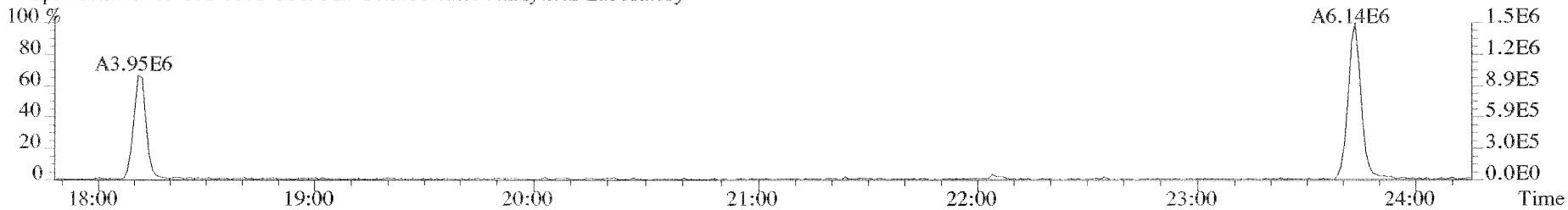
File:16OCT20Z #1-784 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



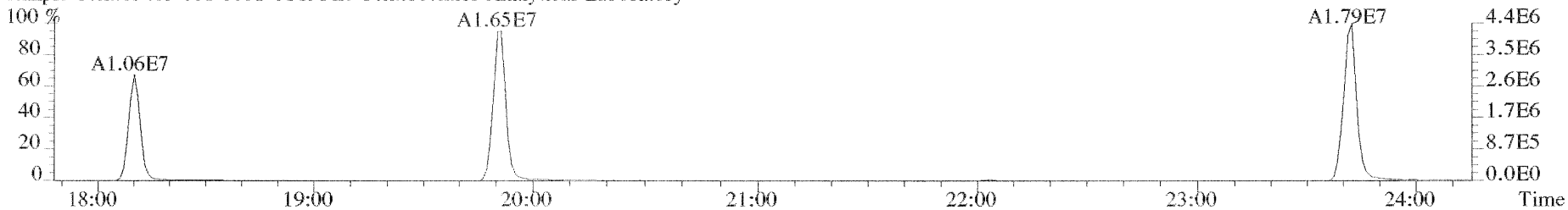
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



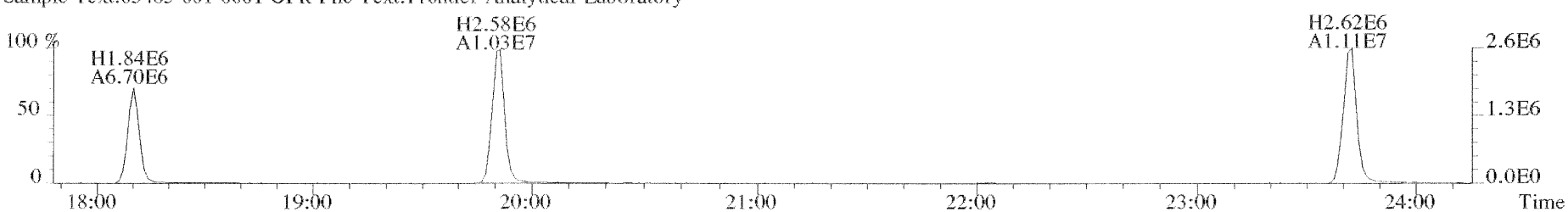
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



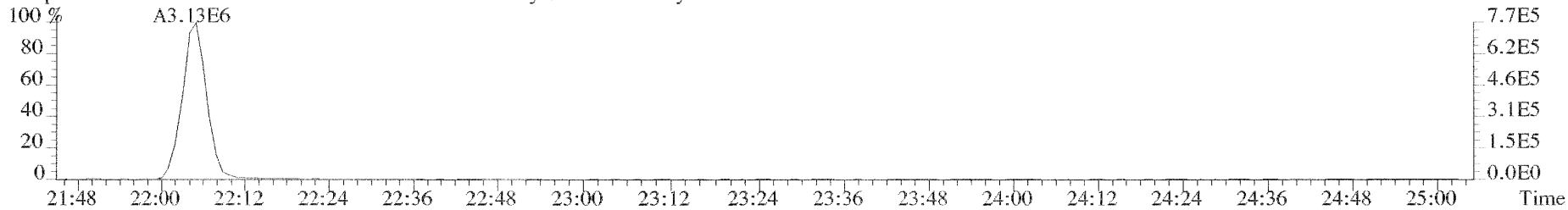
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



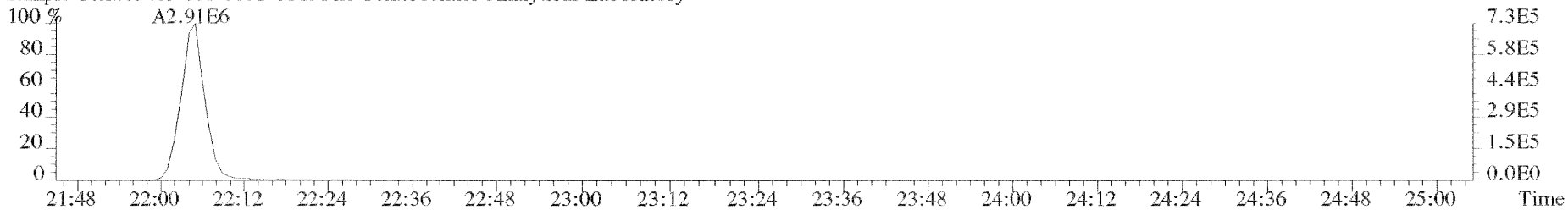
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



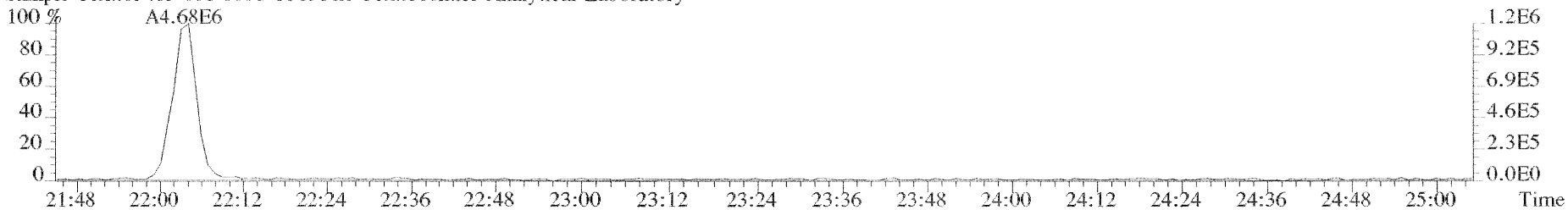
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



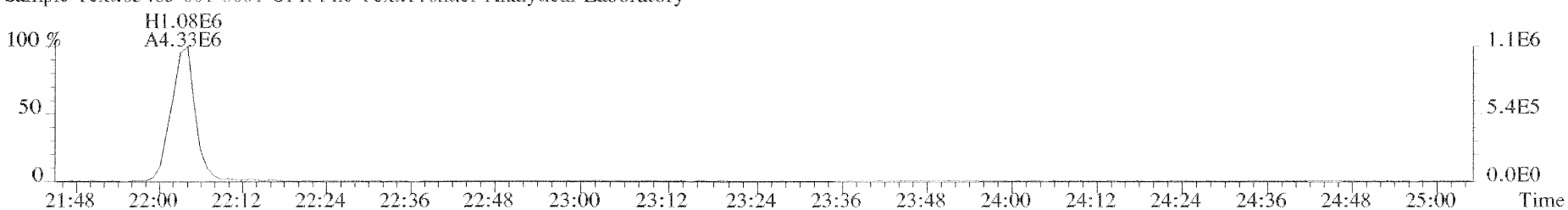
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



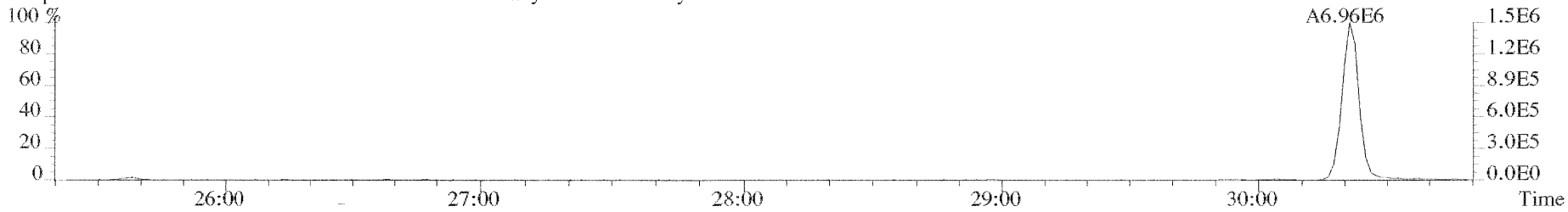
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



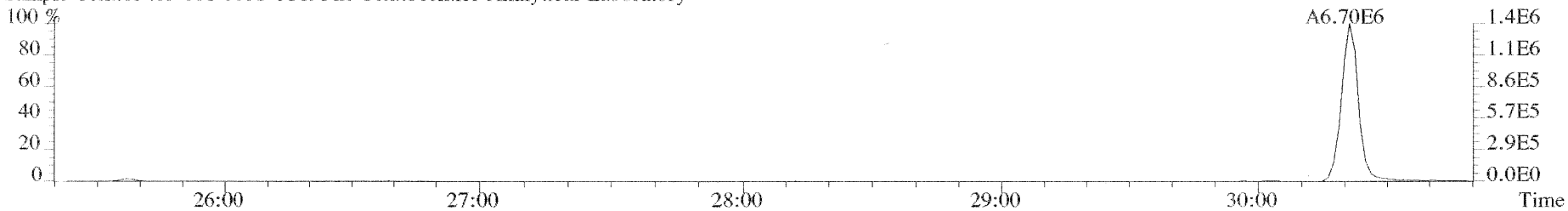
File:16OCT20Z #1-467 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



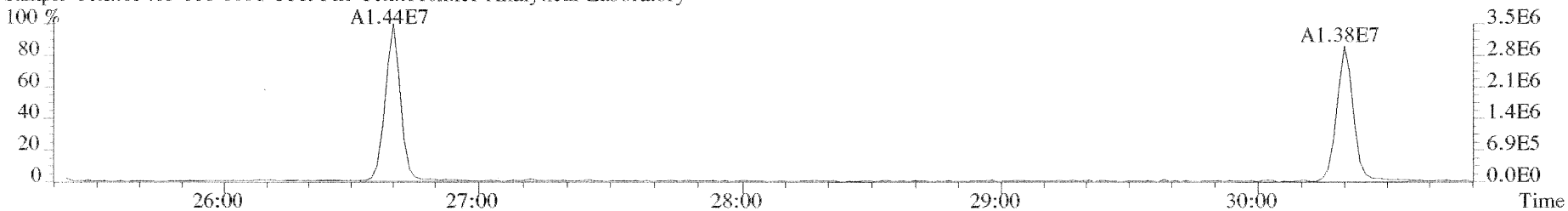
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



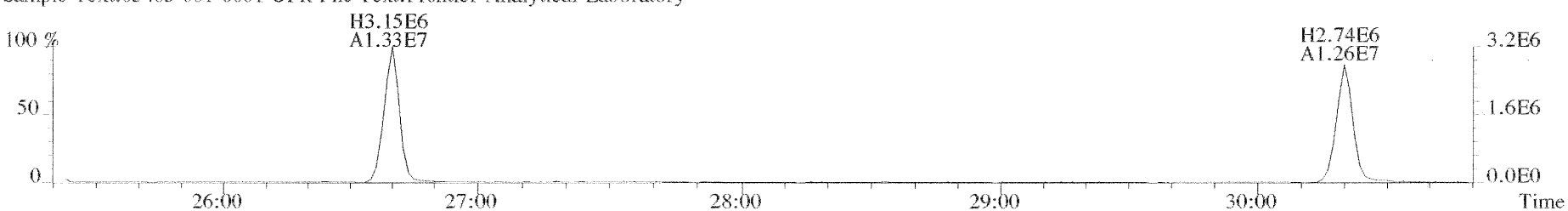
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



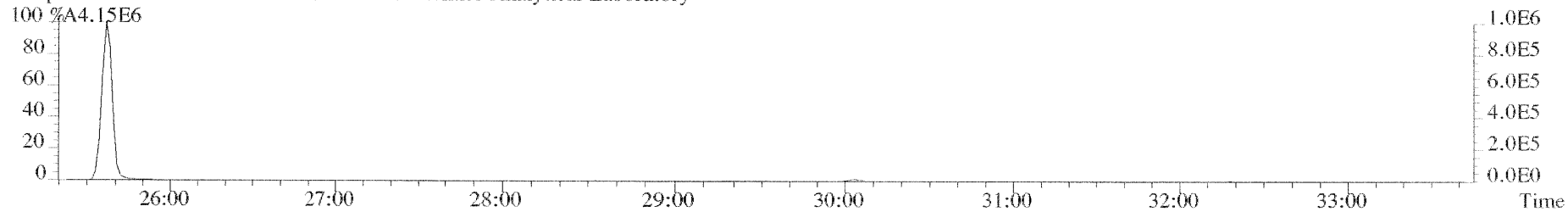
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



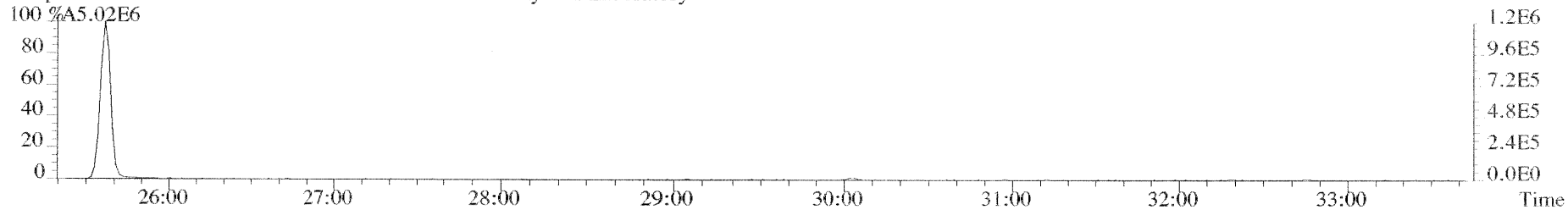
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



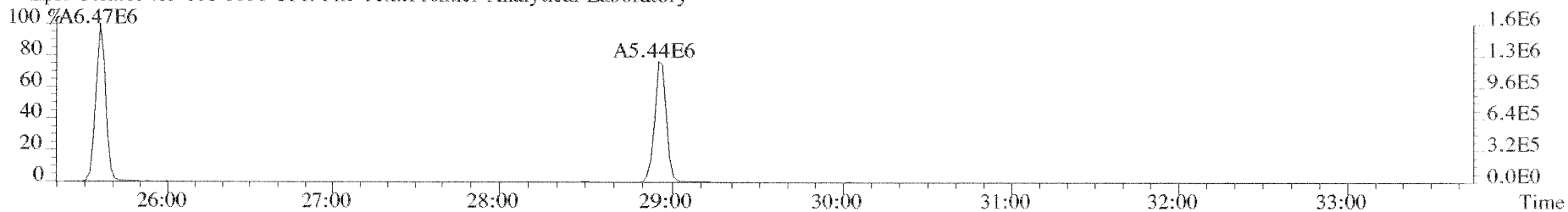
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



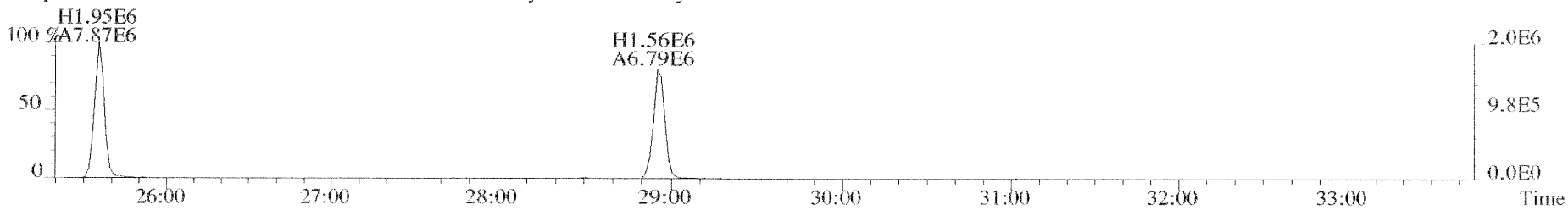
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



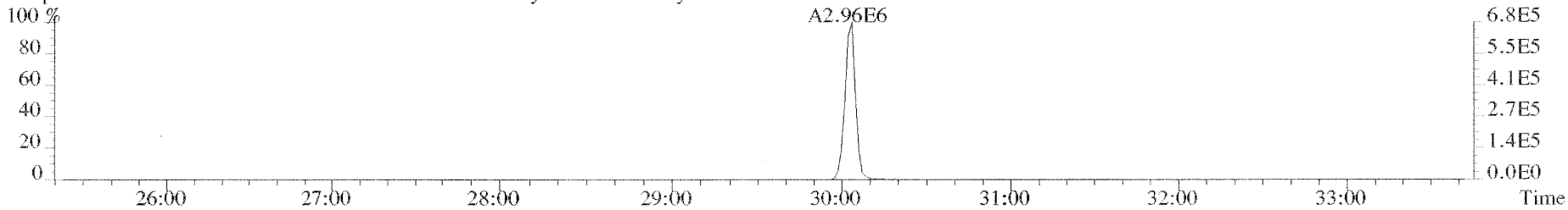
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



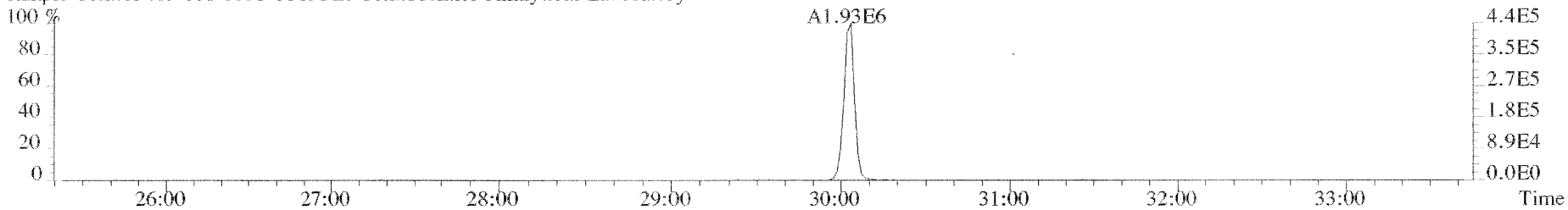
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



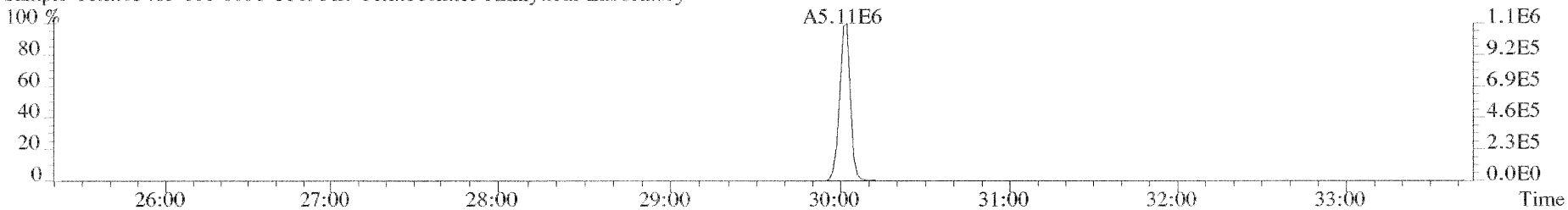
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



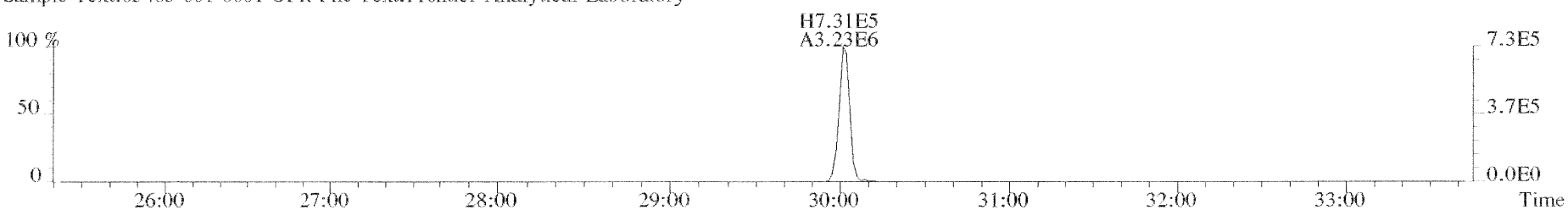
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



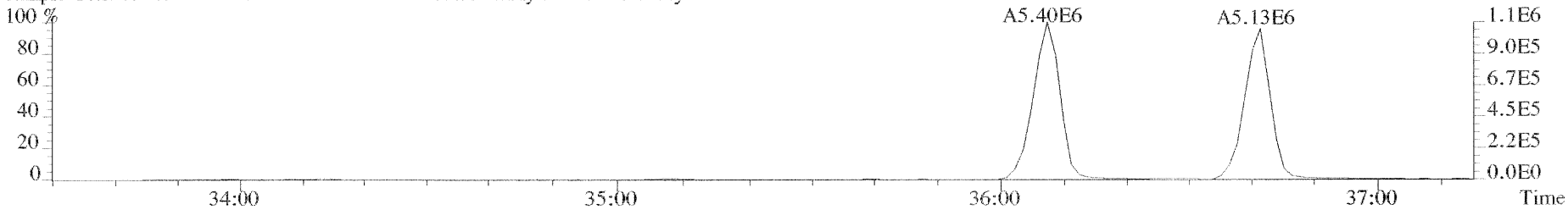
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



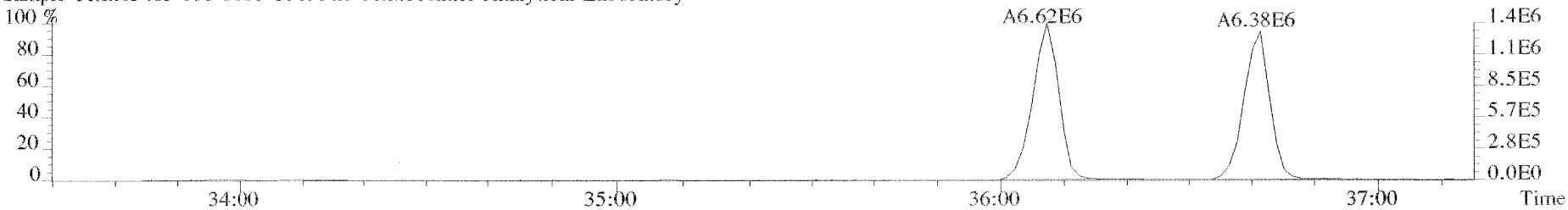
File:16OCT20Z #1-396 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



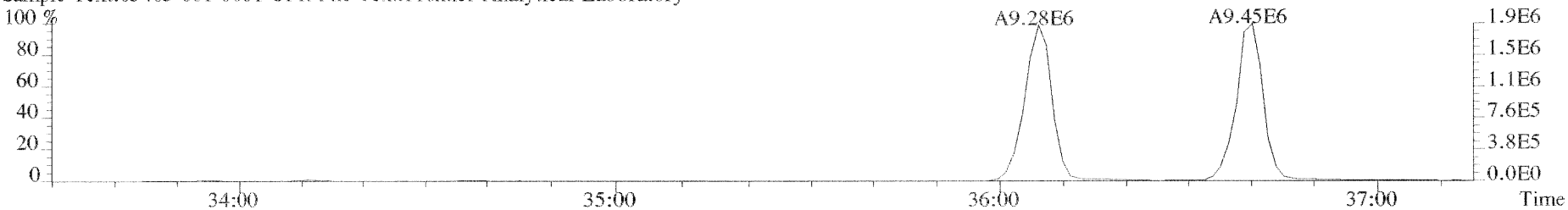
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



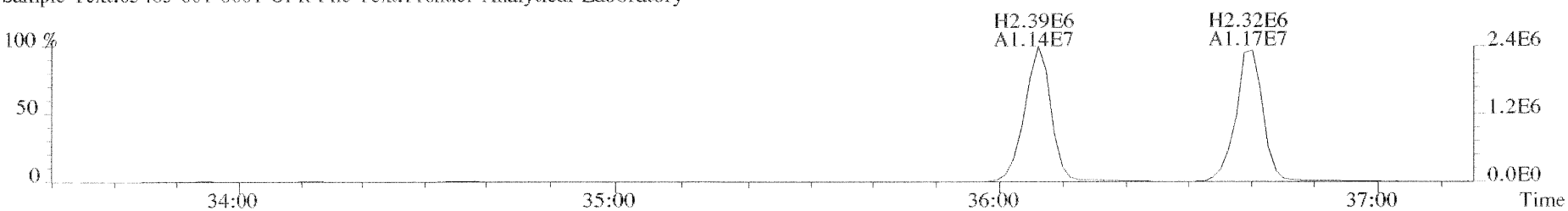
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



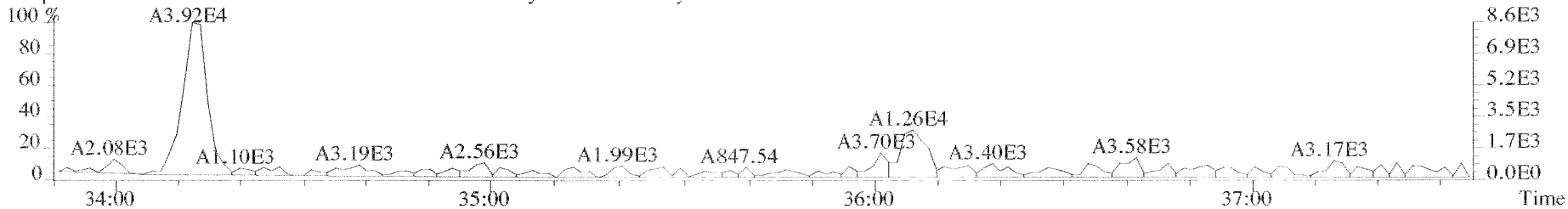
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



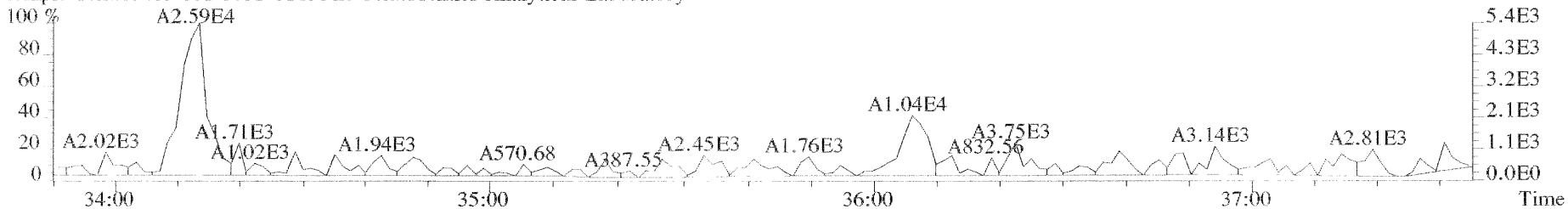
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



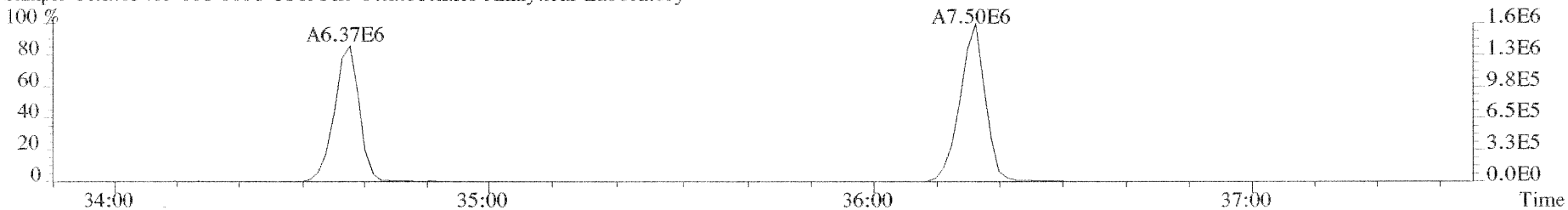
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



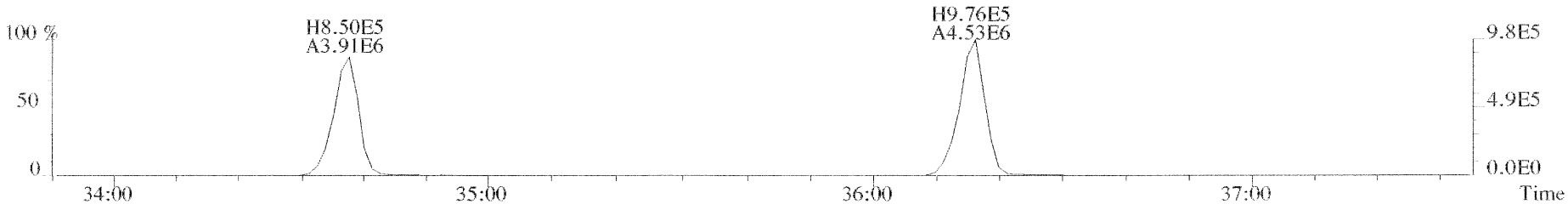
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



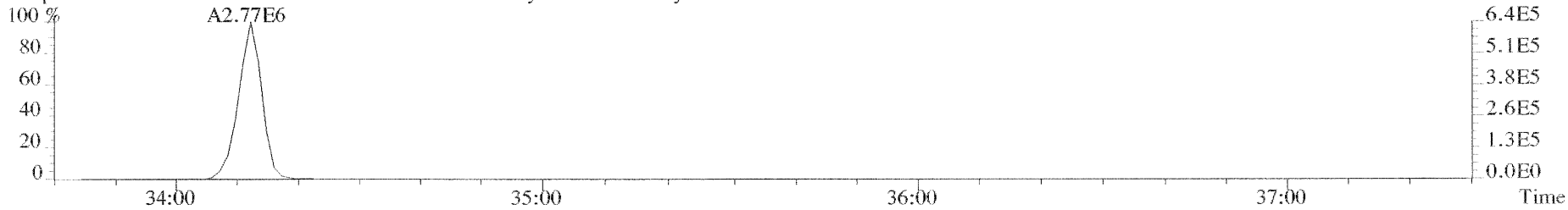
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



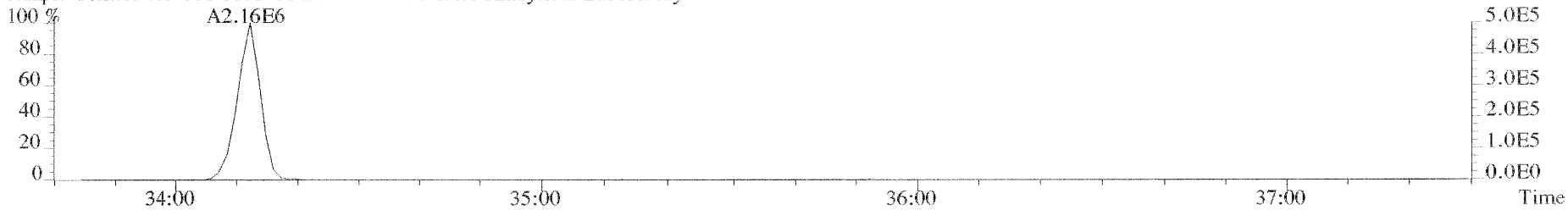
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



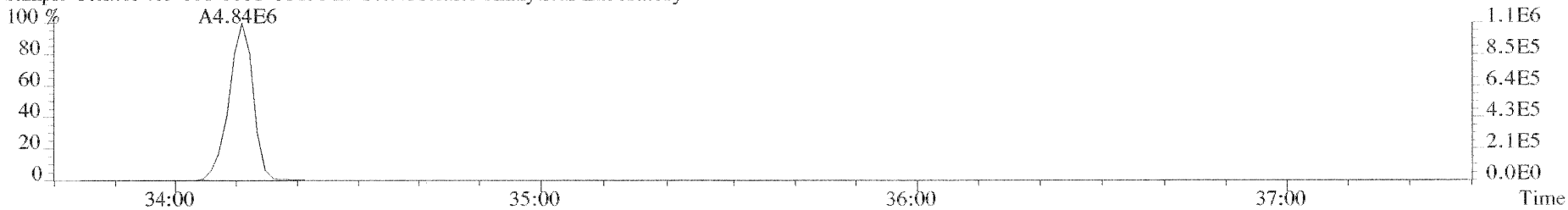
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



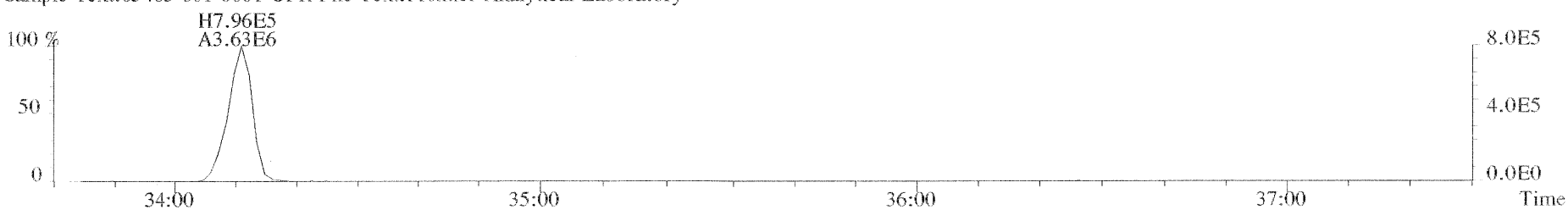
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



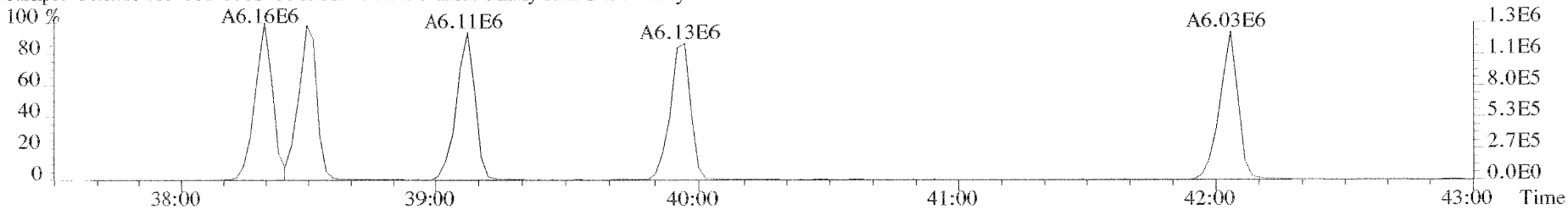
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



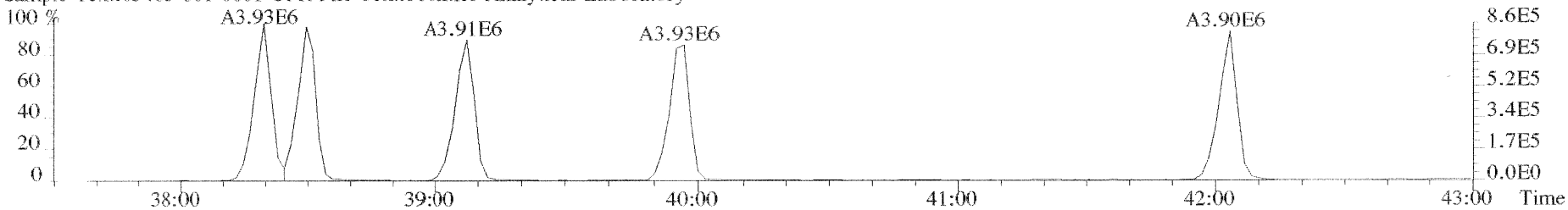
File:16OCT20Z #1-184 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



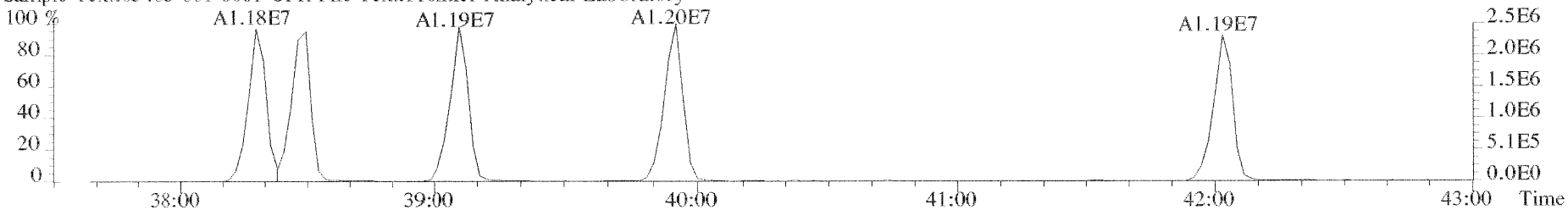
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



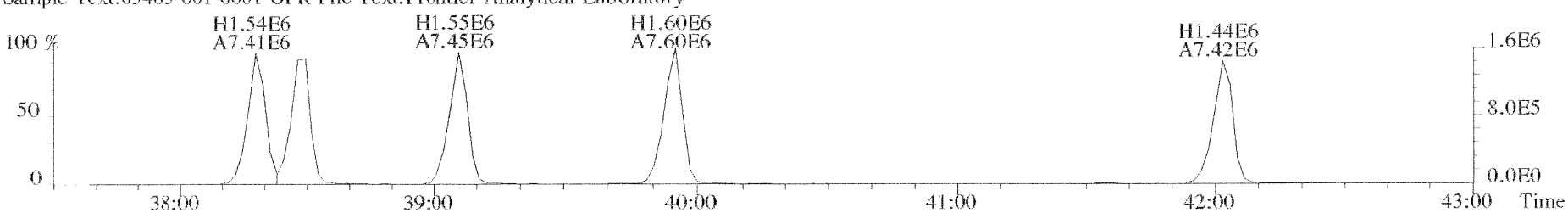
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



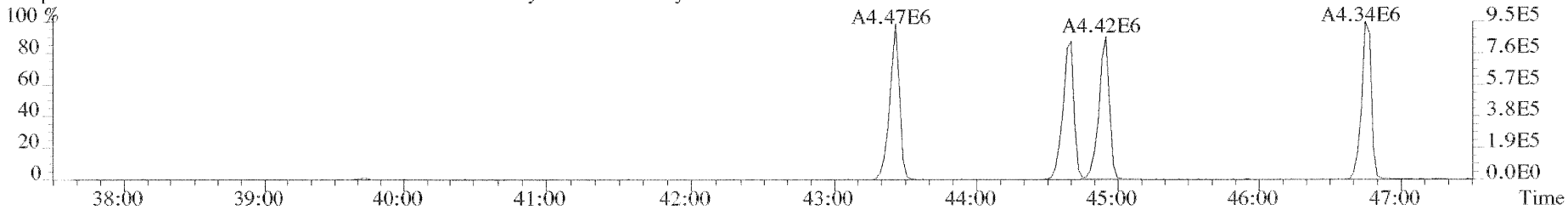
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



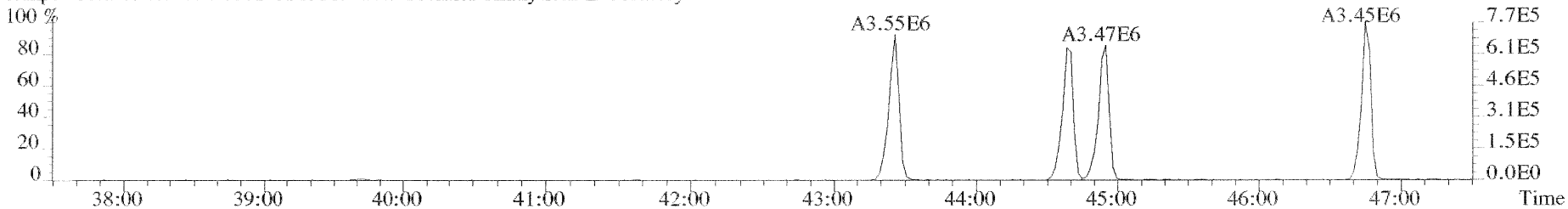
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



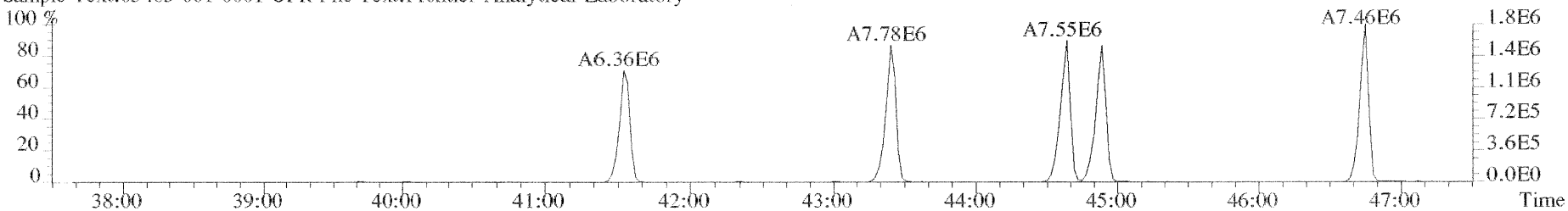
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



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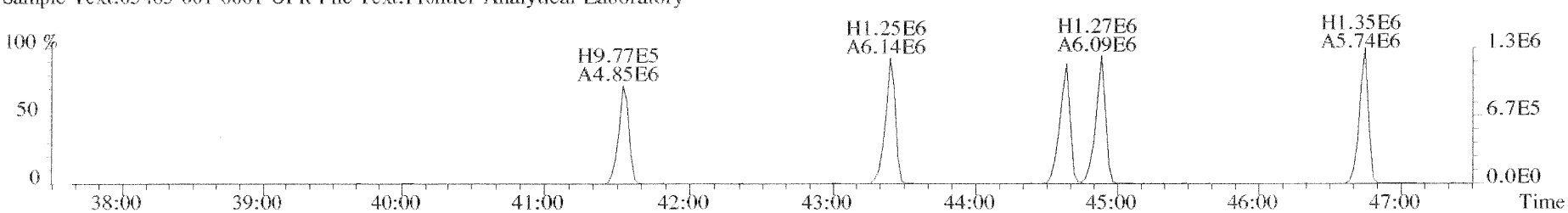
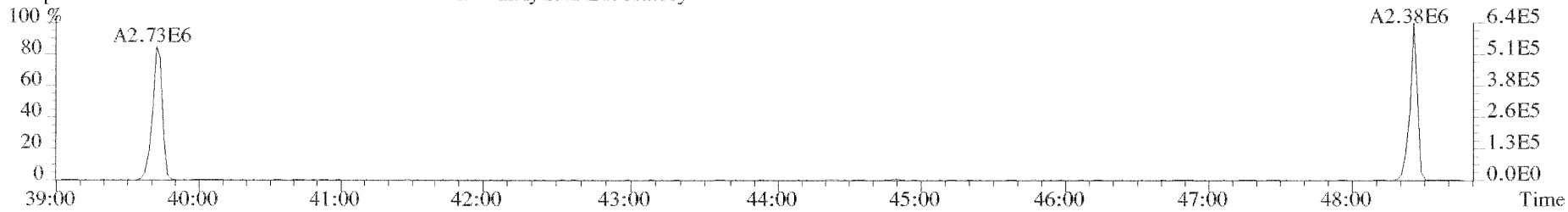
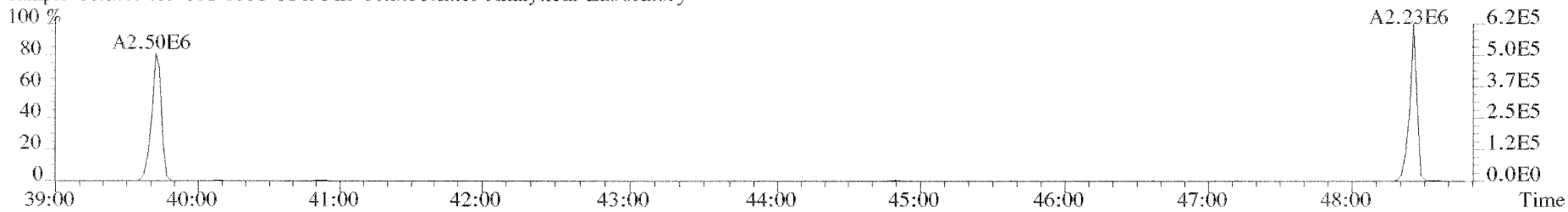
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



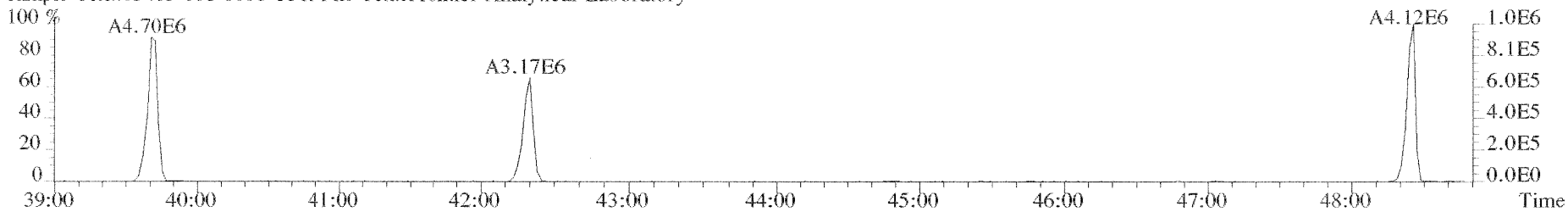
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



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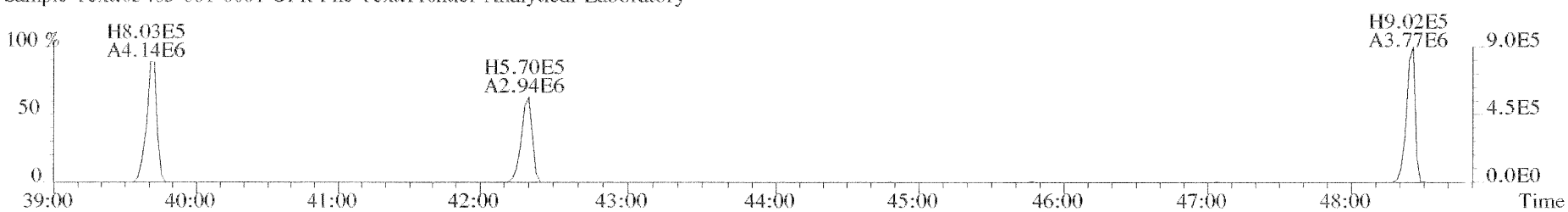
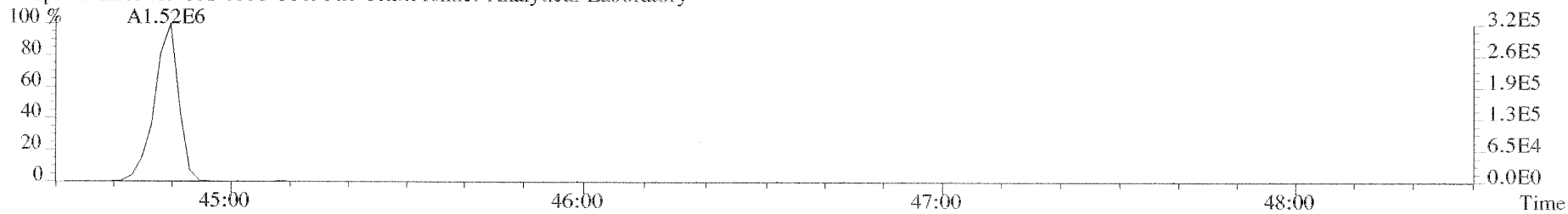
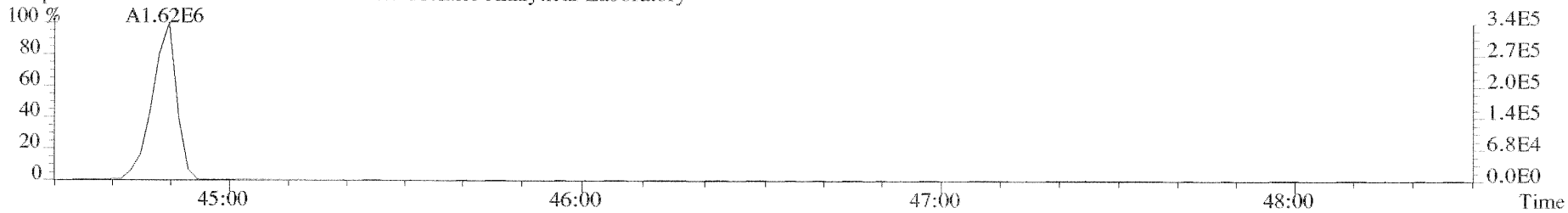
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



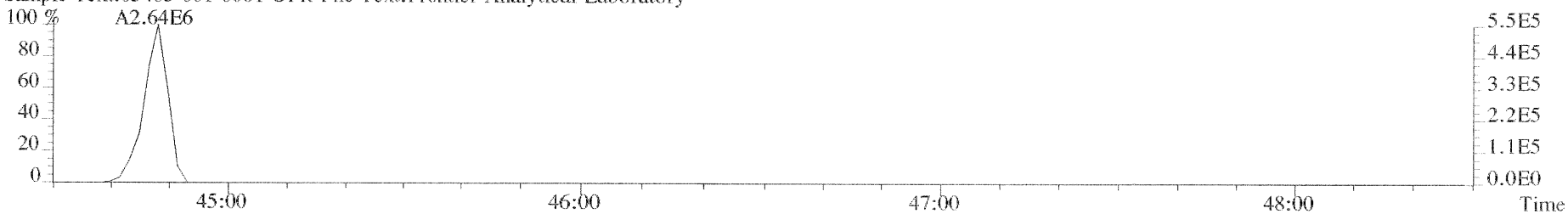
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



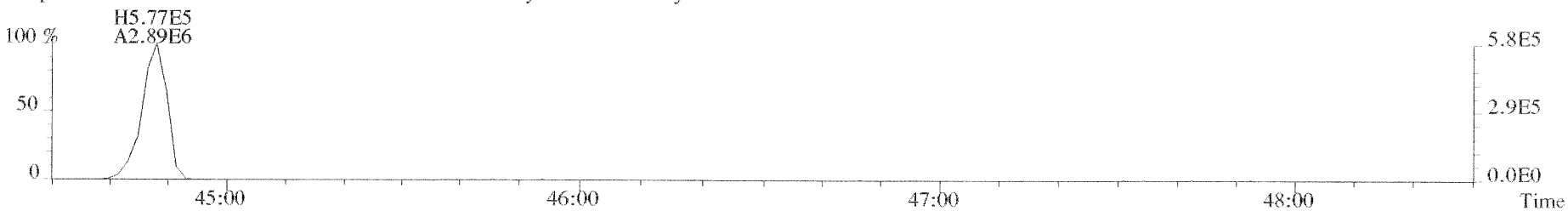
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



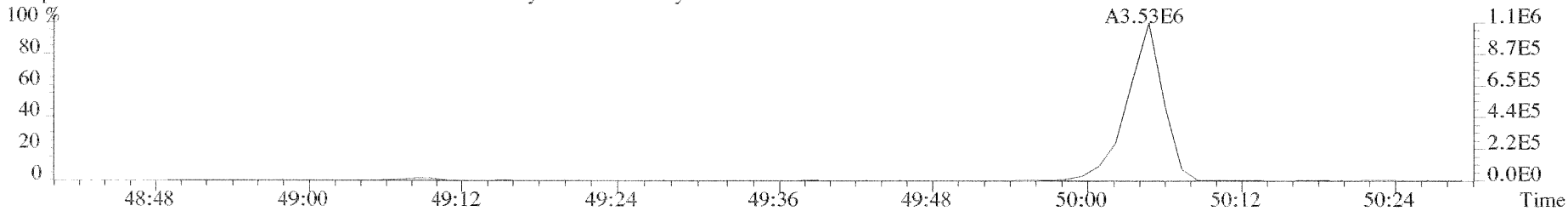
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



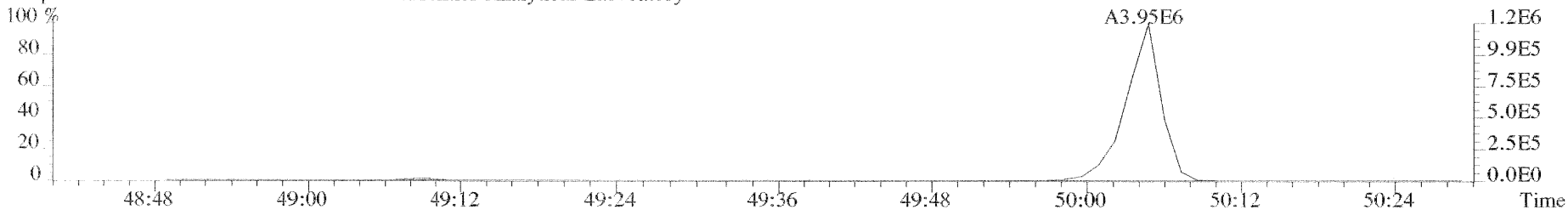
File:16OCT20Z #1-407 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



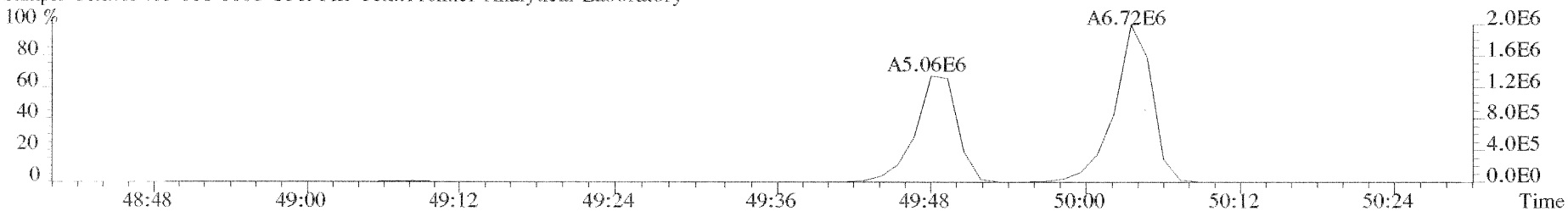
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



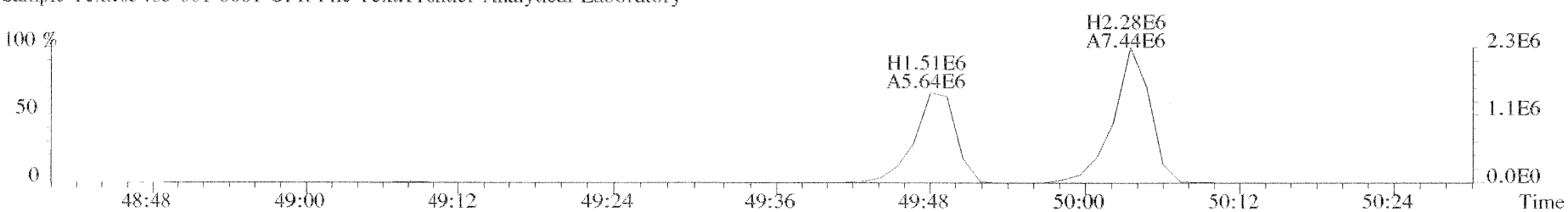
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



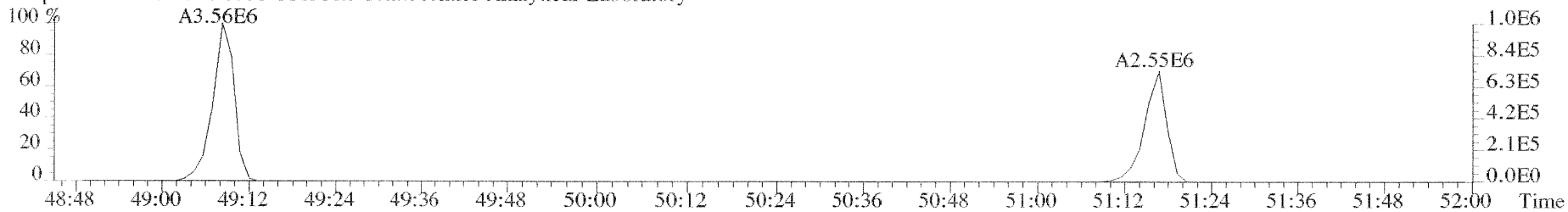
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



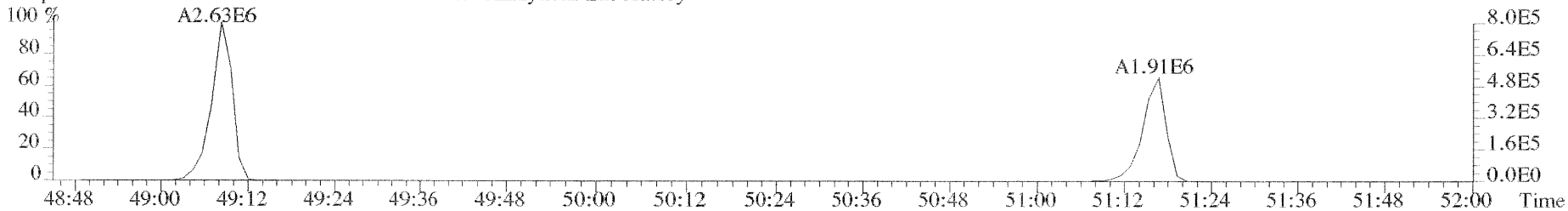
File:16OCT20Z #1-314 Acq:16-OCT-2020 13:38:31 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



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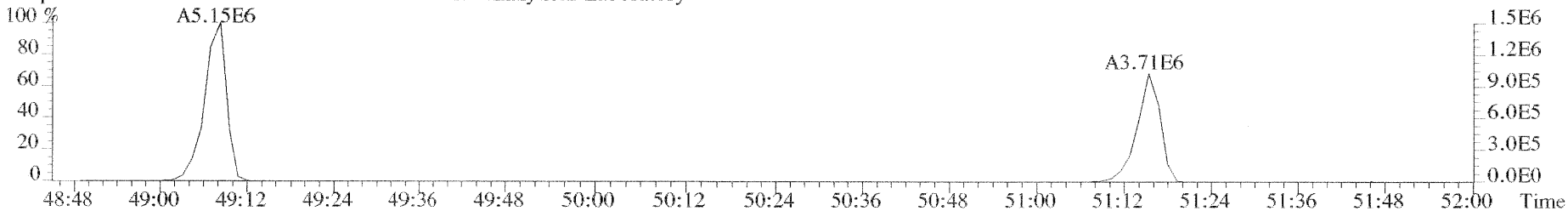
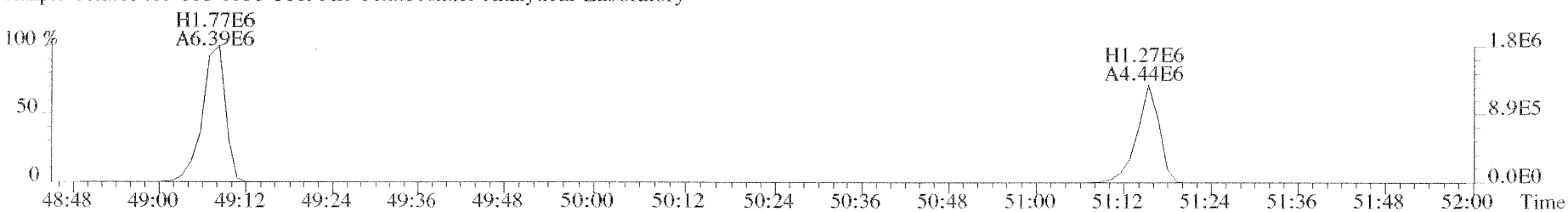
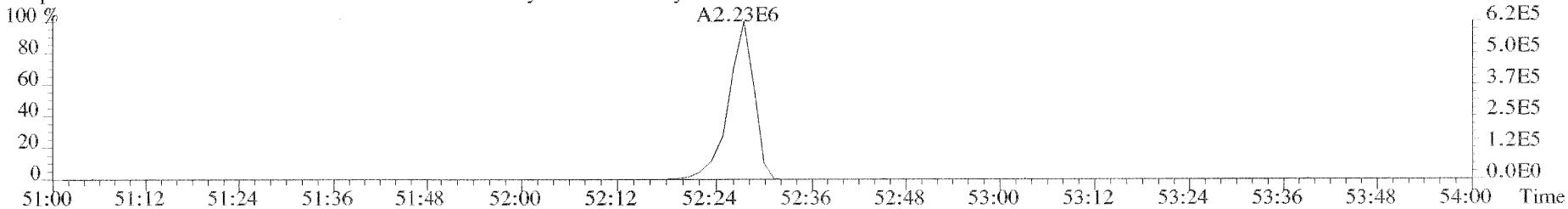
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



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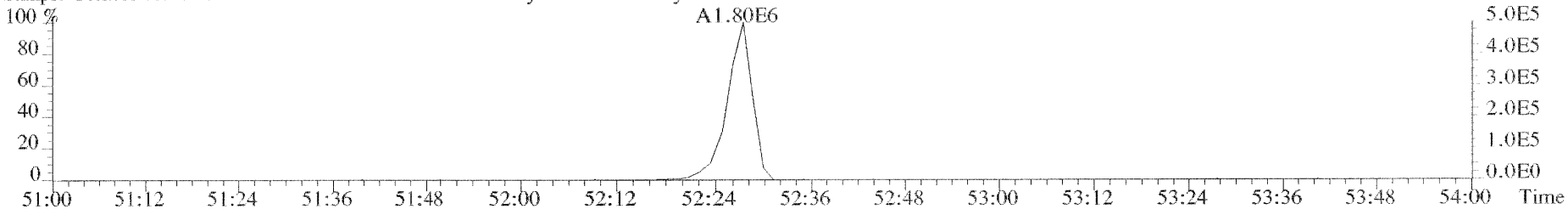
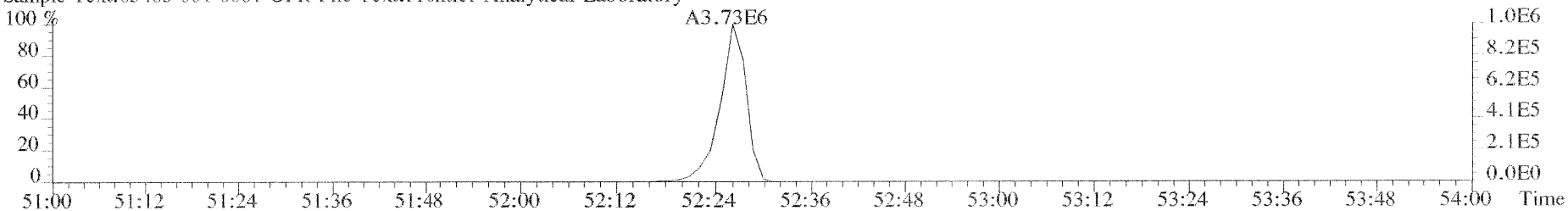
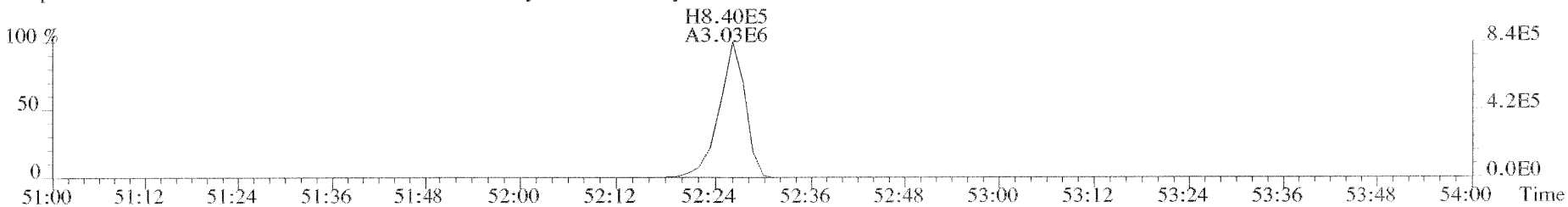
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05483-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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



FAL ID: 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: 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	*	* 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						

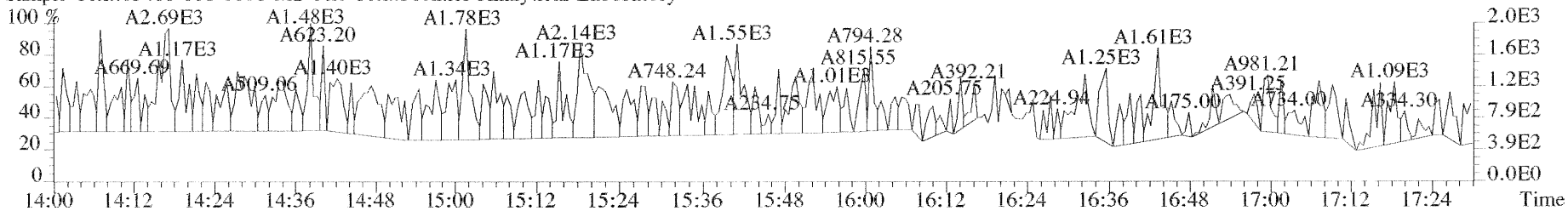
PCB-56	*	*	n	NotFnd	1.21	*	740	960	9.22			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.21	*	740	960	9.22			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.38	*	740	960	8.09			
PCB-78	*	*	n	NotFnd	1.38	*	740	960	8.10			
PCB-81	*	*	n	NotFnd	1.41	*	740	960	7.82			
13C-PCB-81	1.91e+07	0.81	y	36:07	1.78	8710				87.1	1.71e+06	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	

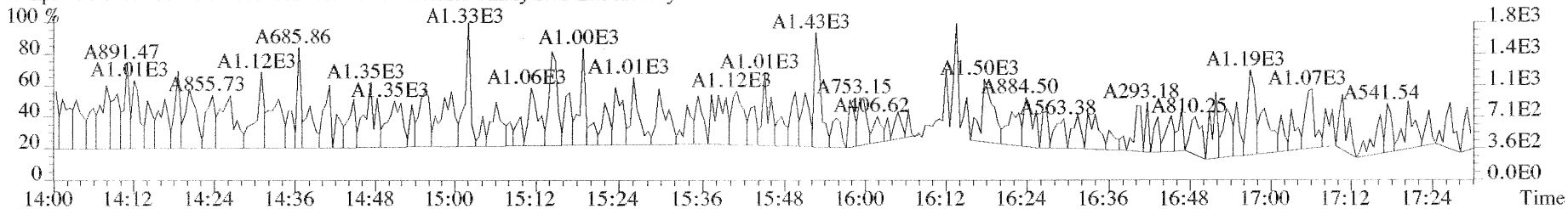
PCB-188	*	*	n	NotFnd	1.19	*	520	357	6.45				
13C-PCB-188	1.19e+07	1.08	y	39:42	1.06	8370				83.7	1.49e+06	1.36e+06	
PCB-184	*	*	n	NotFnd	1.38	*	520	357	5.58				
PCB-179	*	*	n	NotFnd	1.38	*	520	357	5.60				
PCB-176	*	*	n	NotFnd	1.33	*	520	357	5.79				
PCB-186	*	*	n	NotFnd	1.25	*	520	357	6.16				
PCB-178	*	*	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: _____ Date: 10/27/20

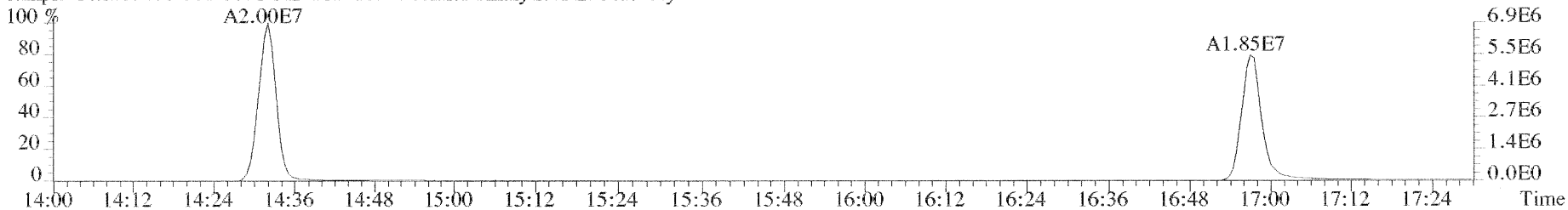
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



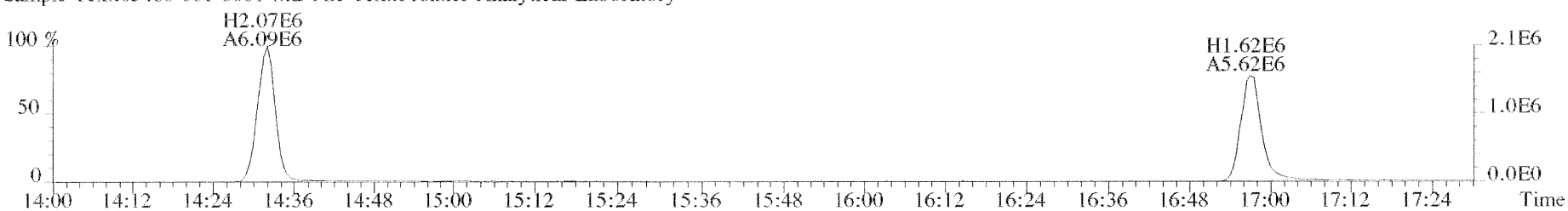
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



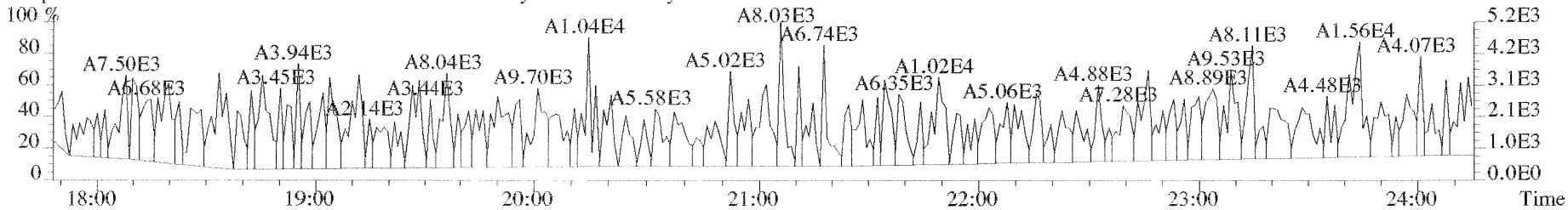
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



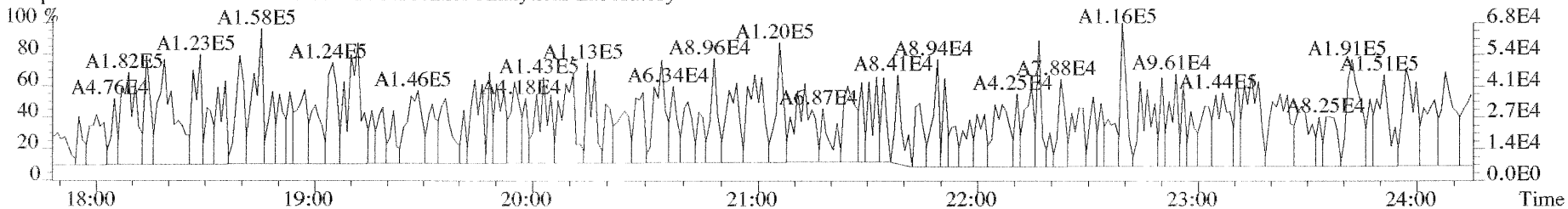
File:23OCT20Z #1-783 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



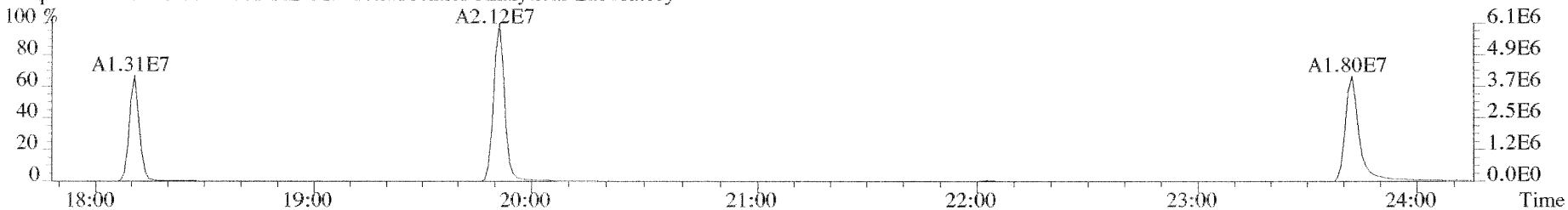
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



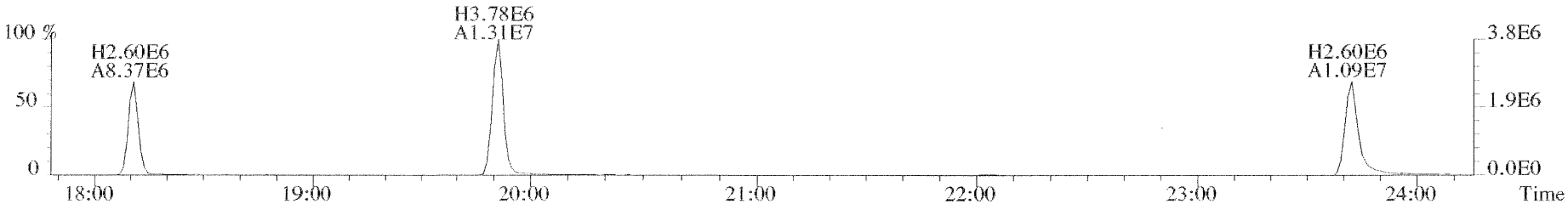
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



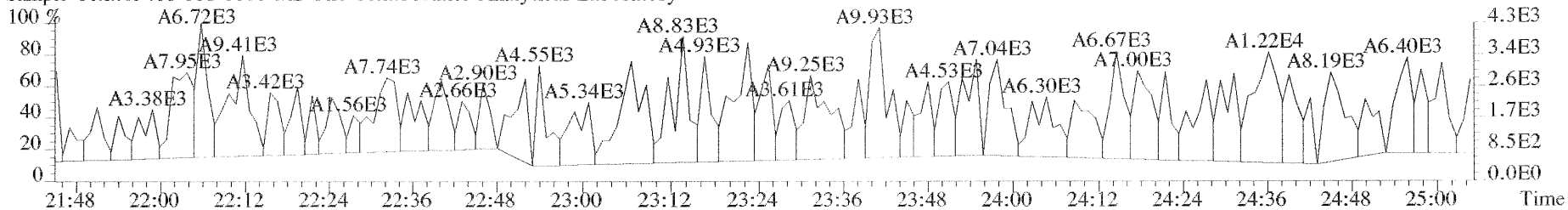
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



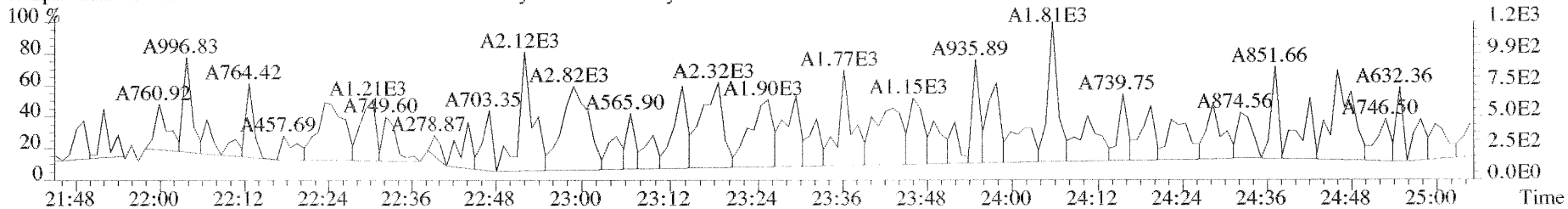
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



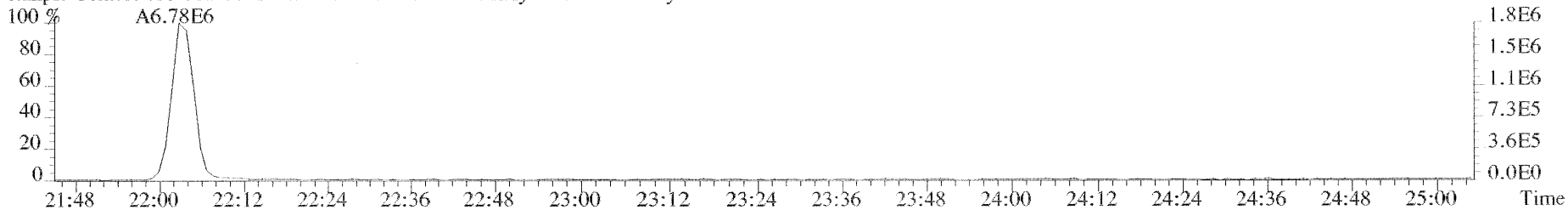
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



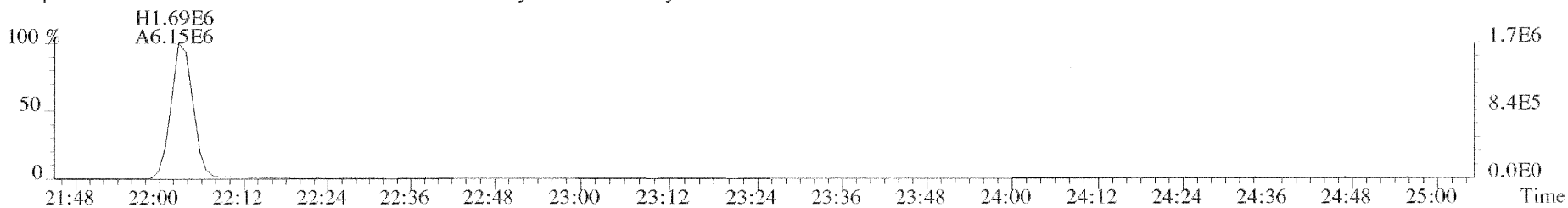
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



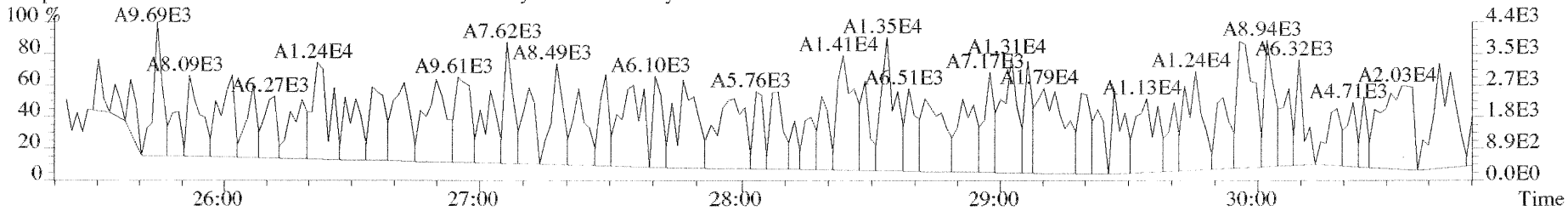
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



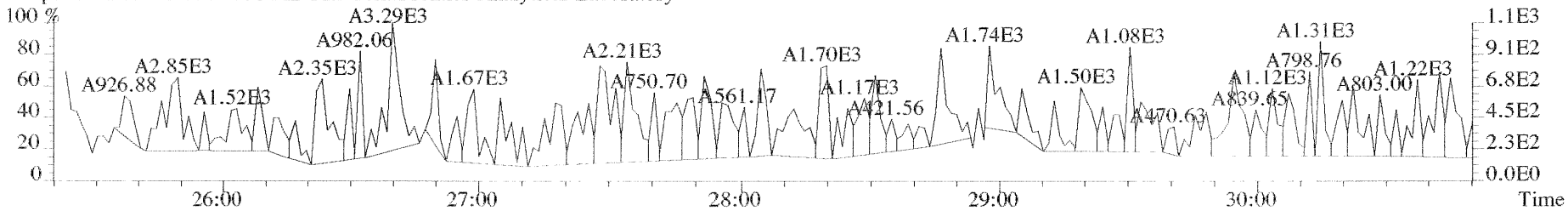
File:23OCT20Z #1-467 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



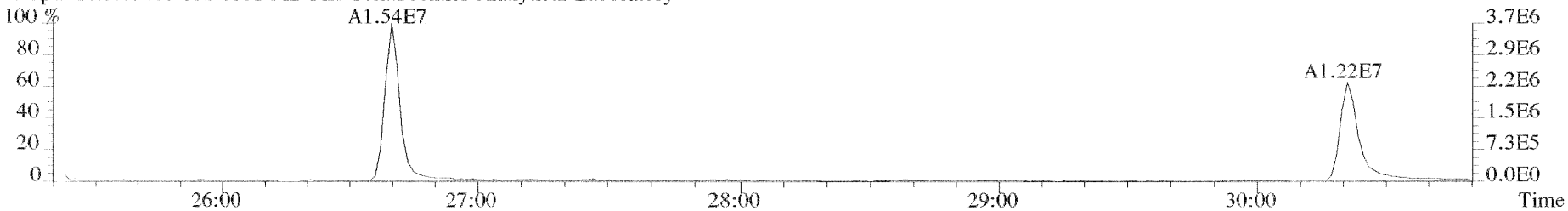
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



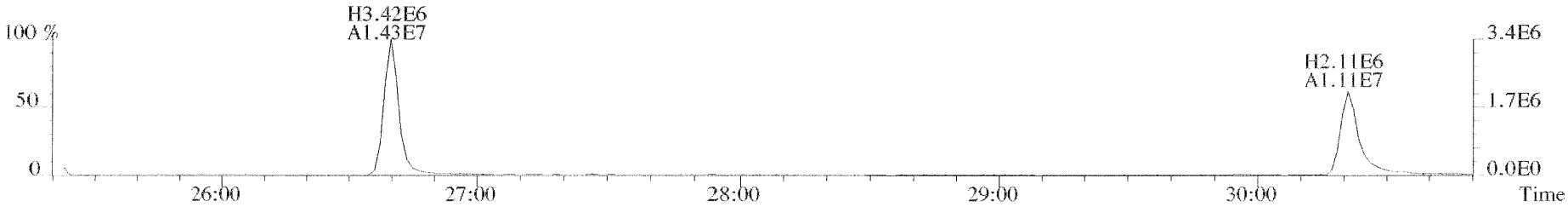
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



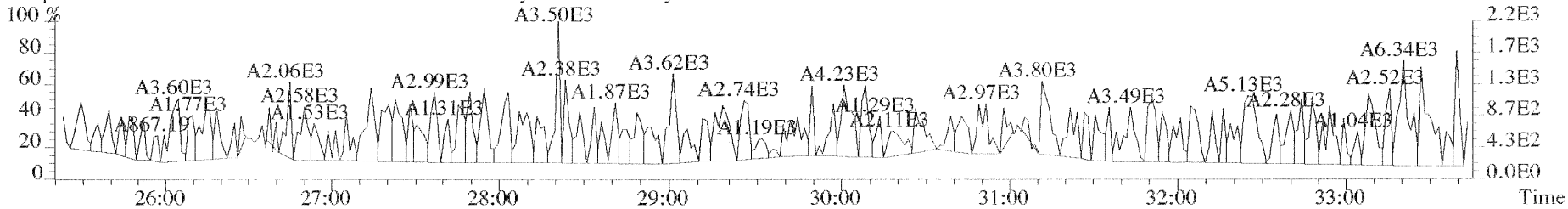
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



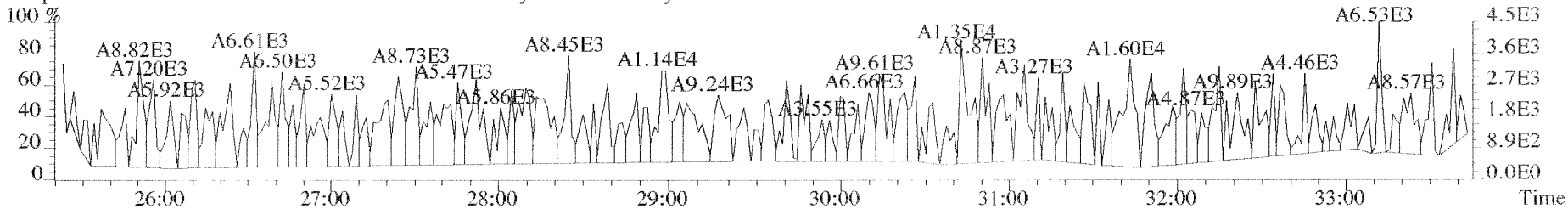
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



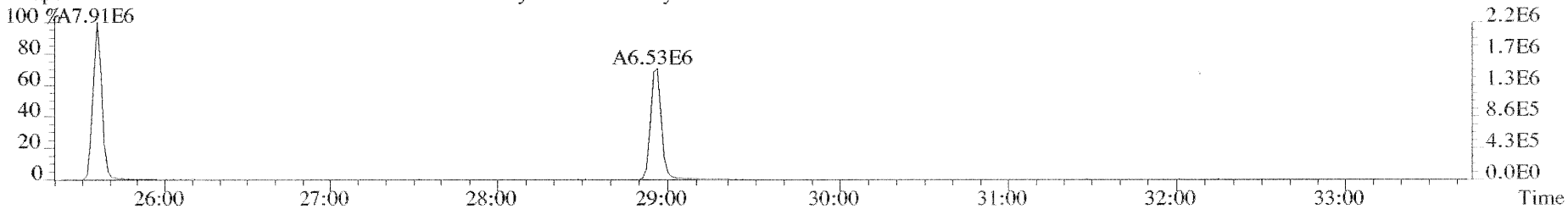
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



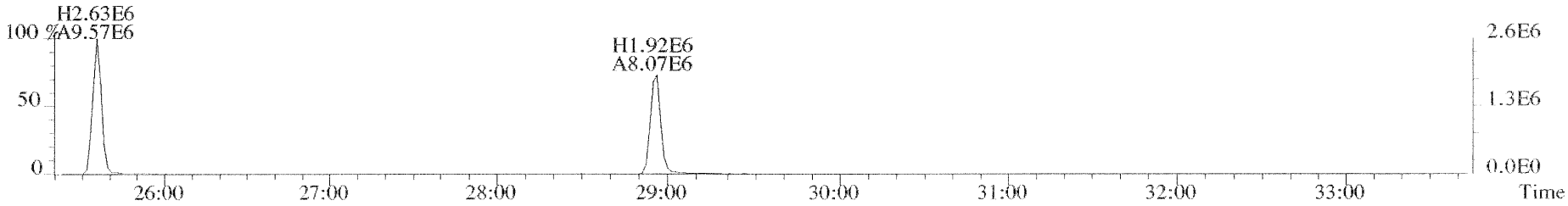
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



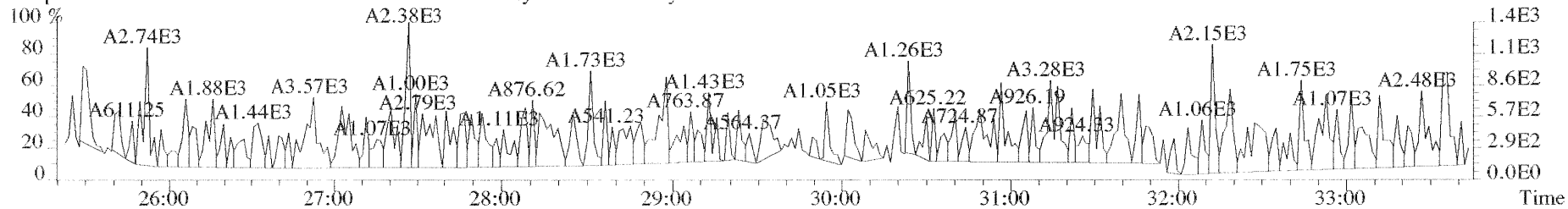
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



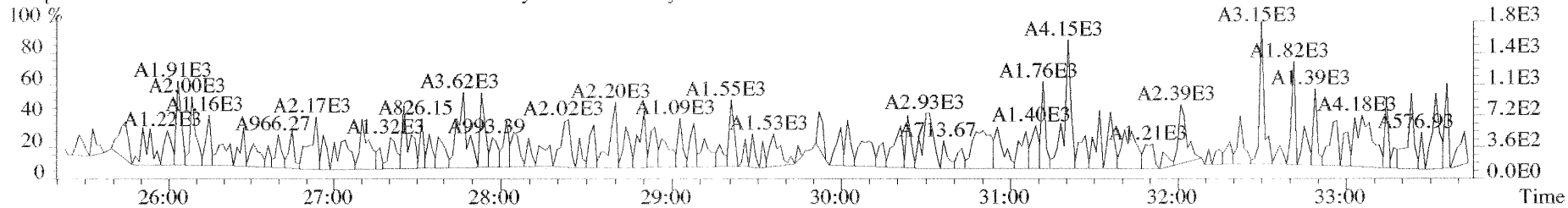
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



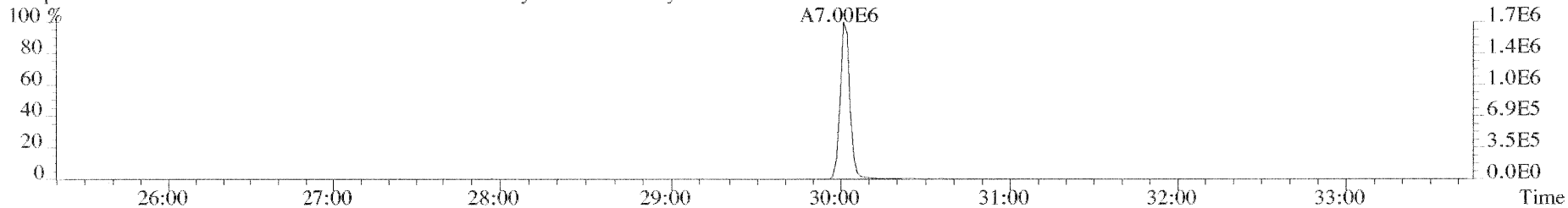
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



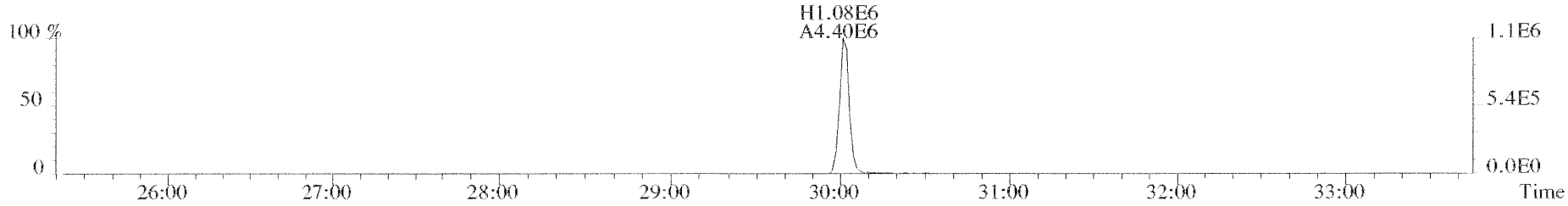
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



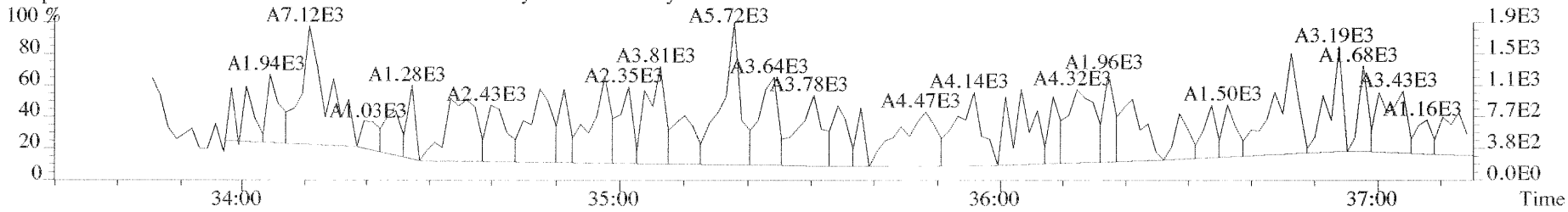
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



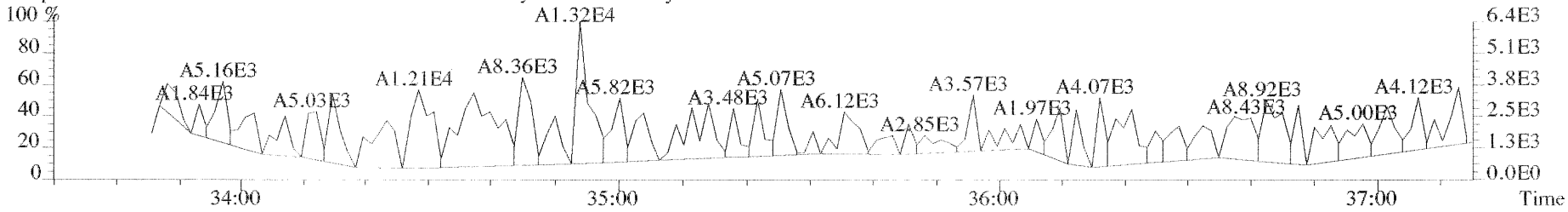
File:23OCT20Z #1-397 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



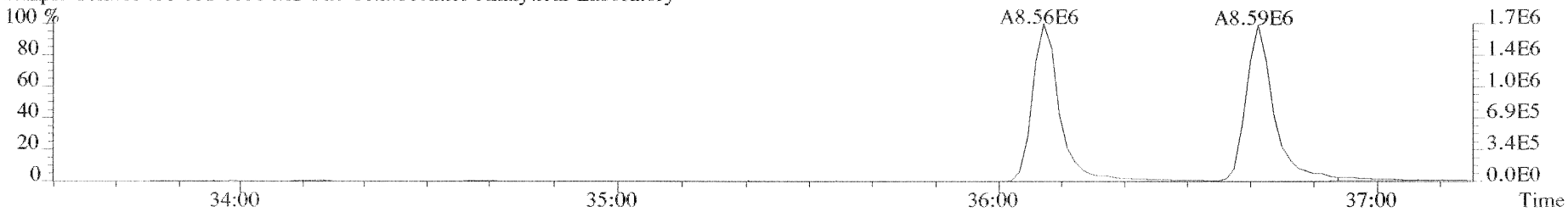
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



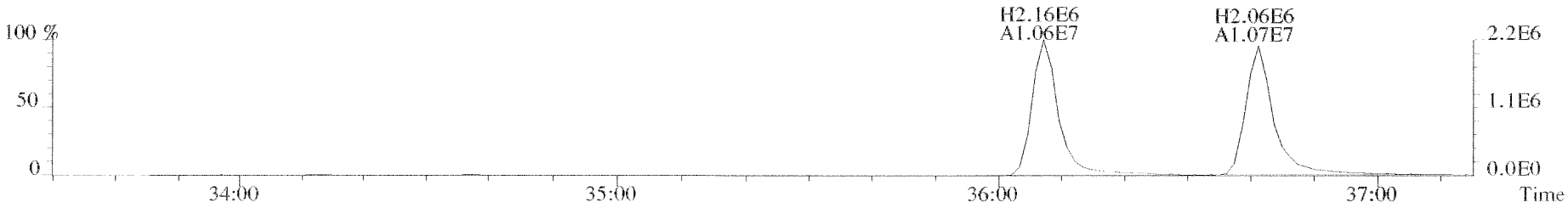
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



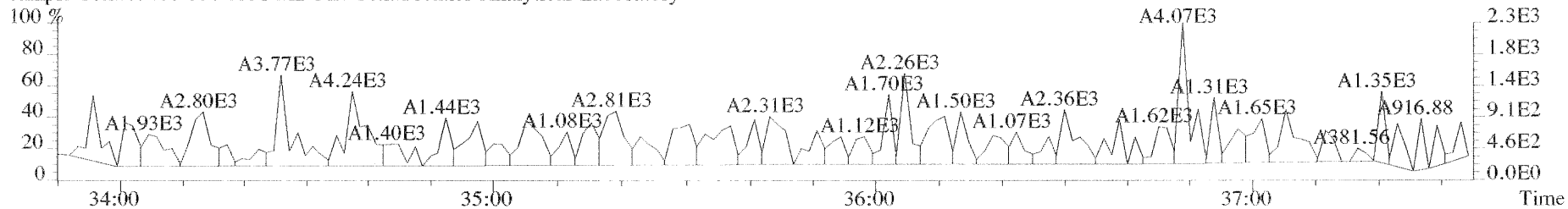
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



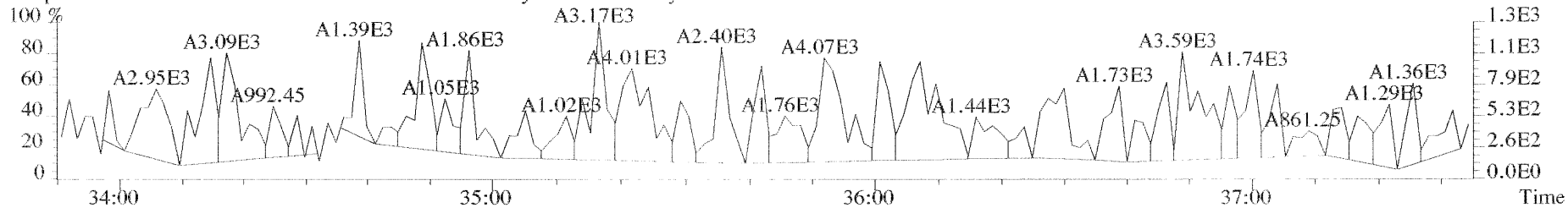
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



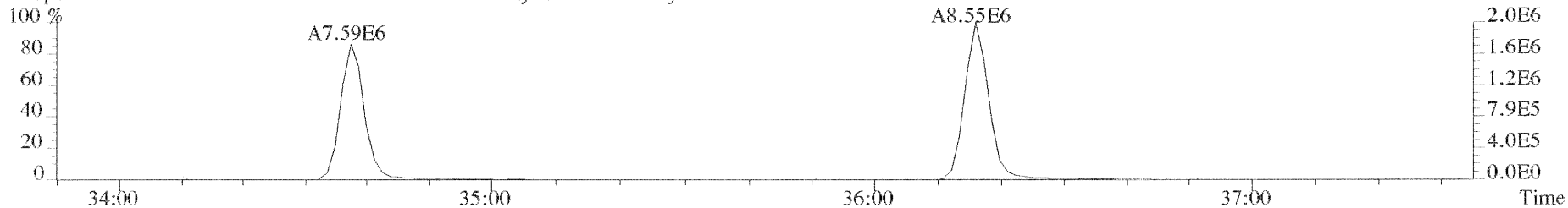
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



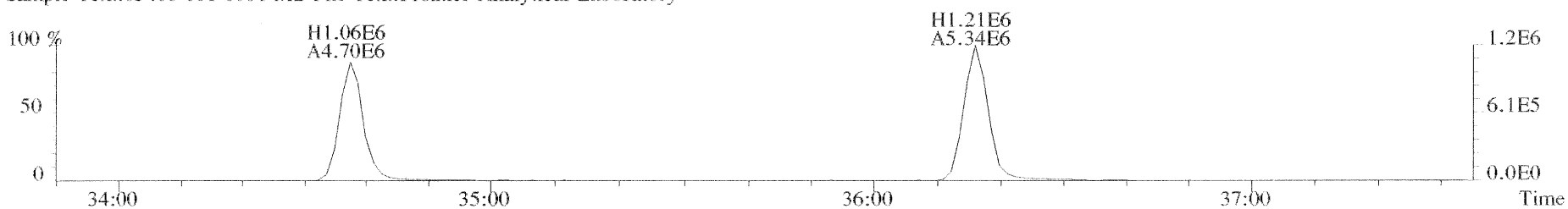
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



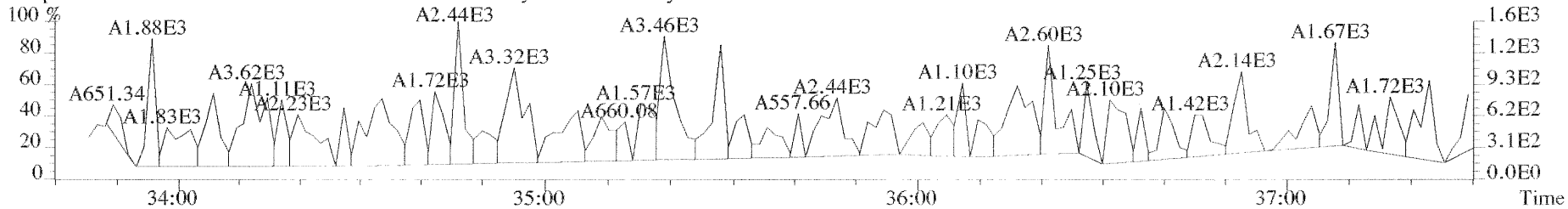
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



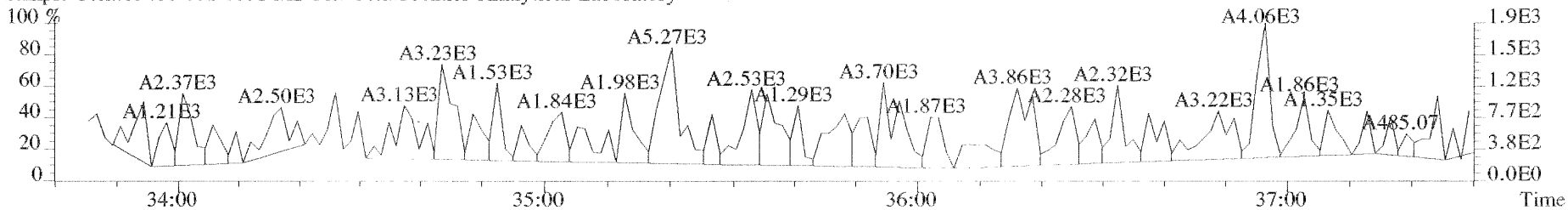
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



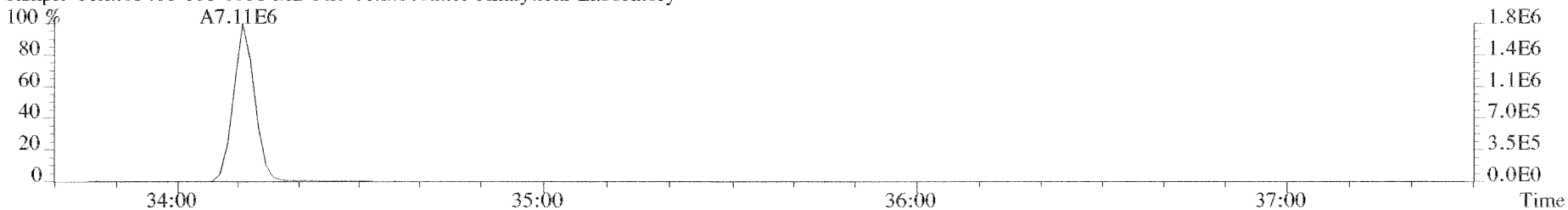
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



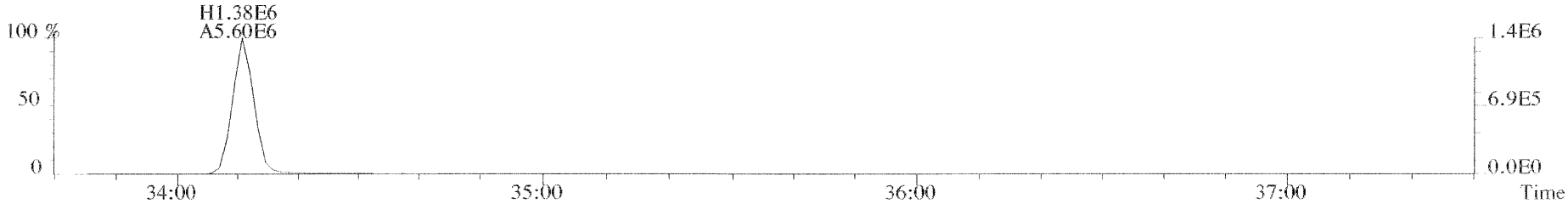
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



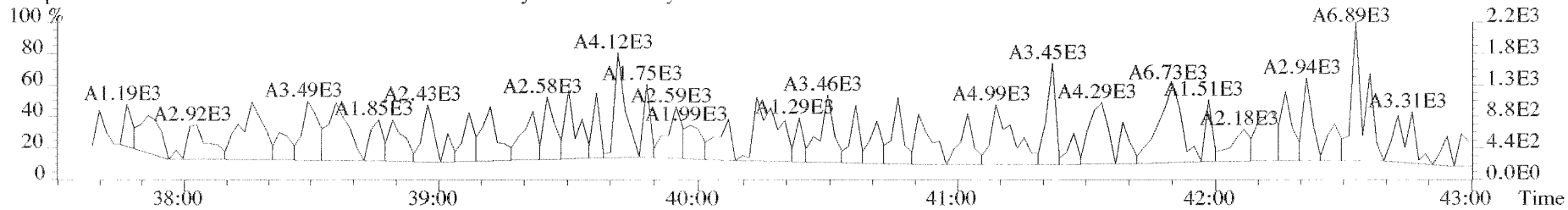
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



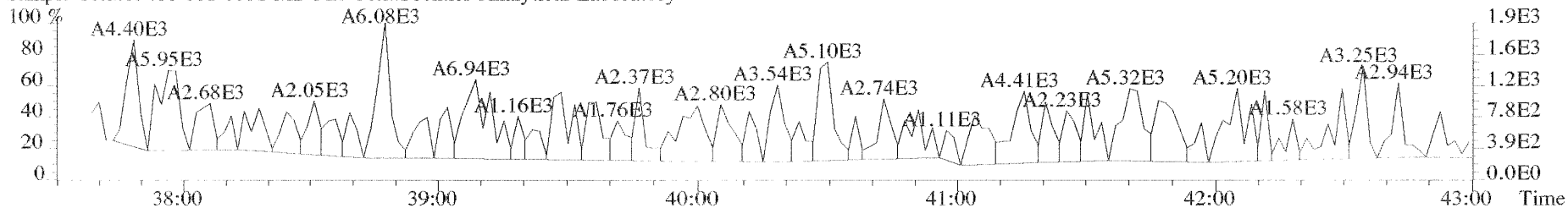
File:23OCT20Z #1-183 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



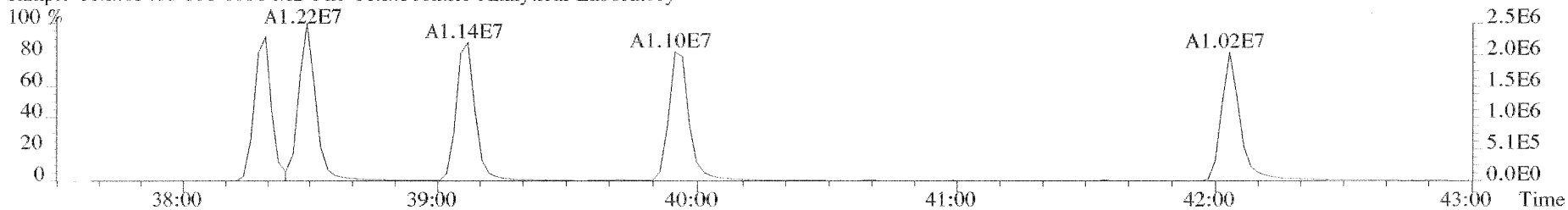
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



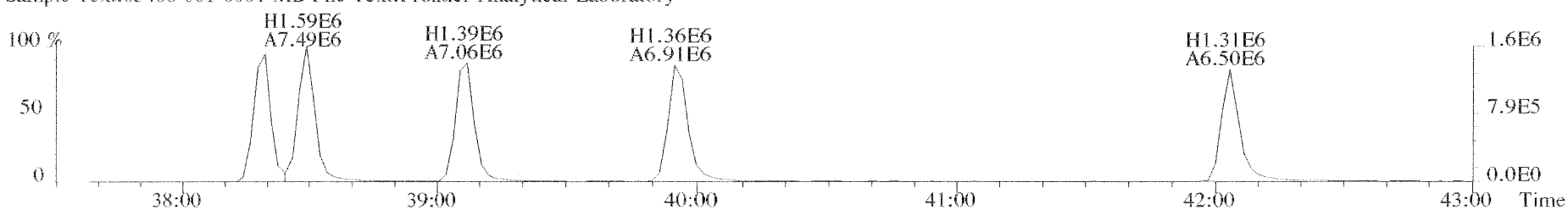
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



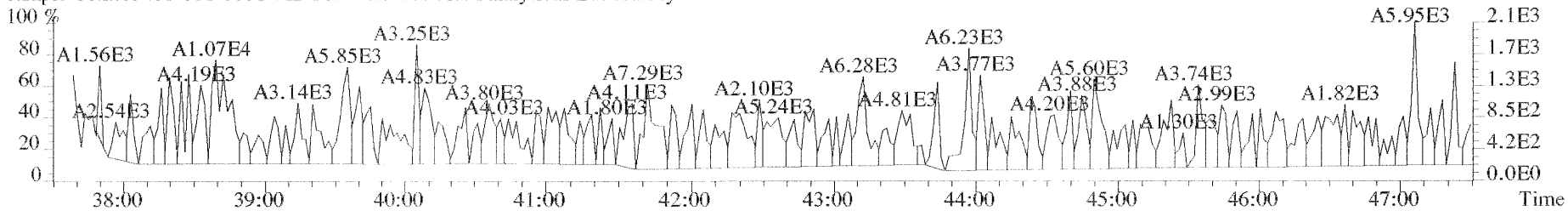
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



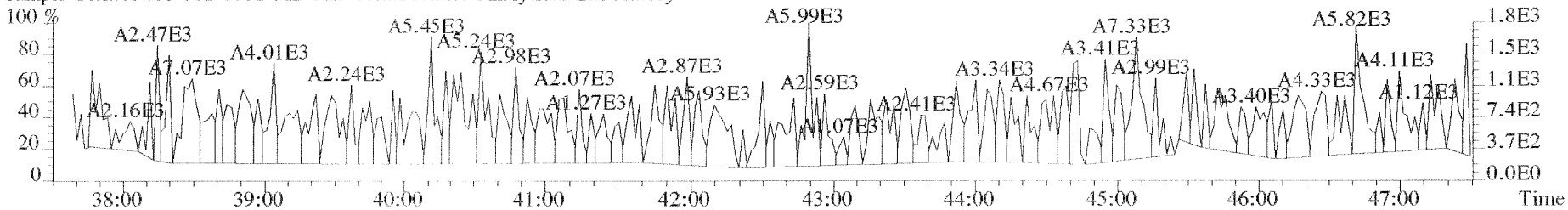
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



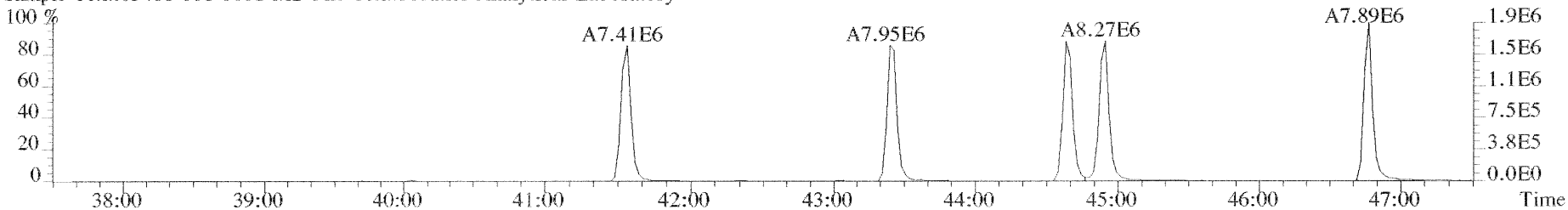
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



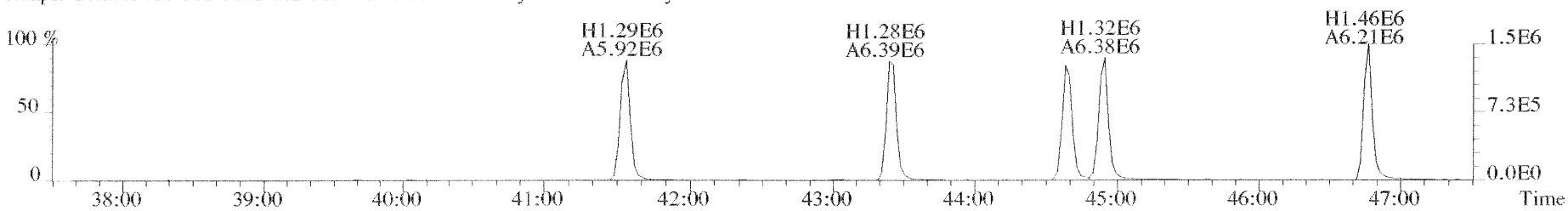
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



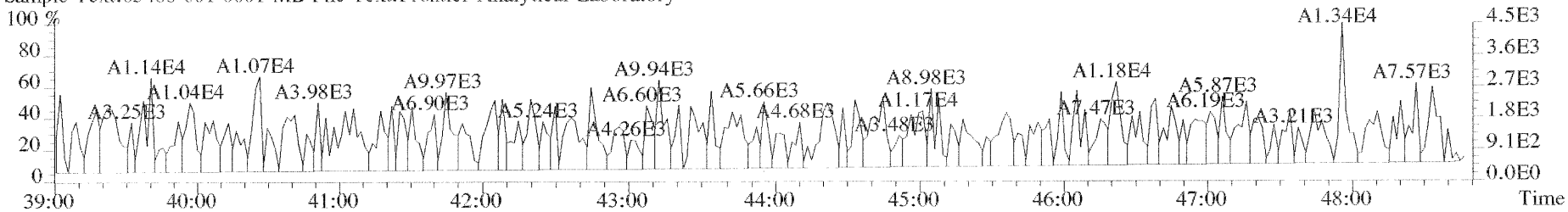
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



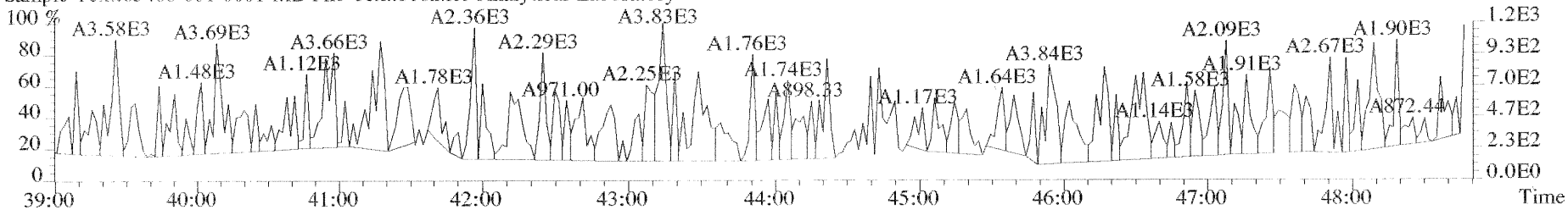
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



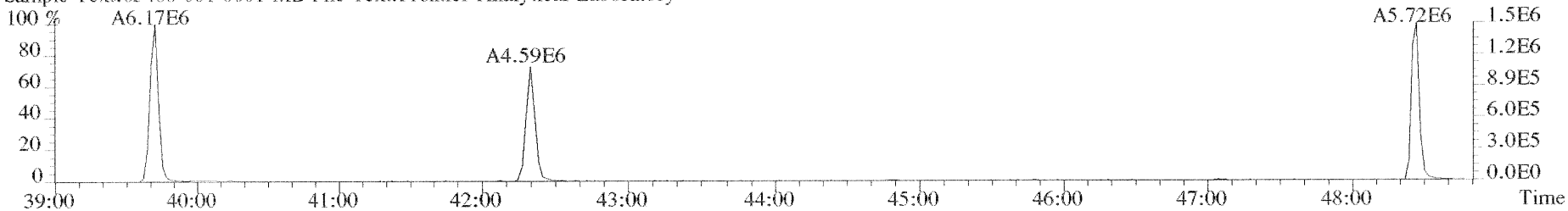
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



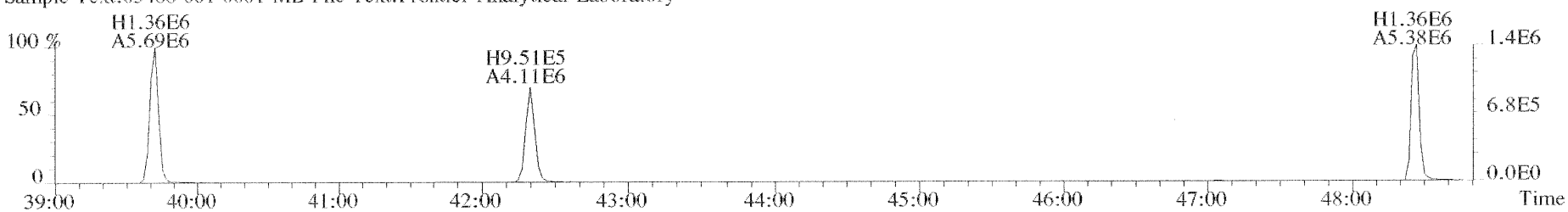
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



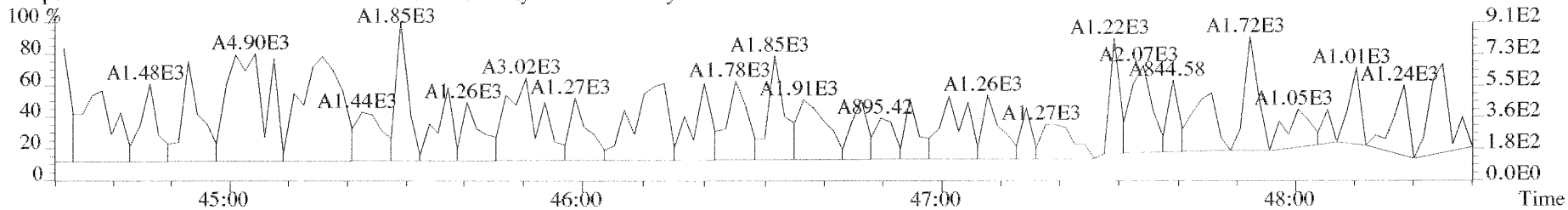
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



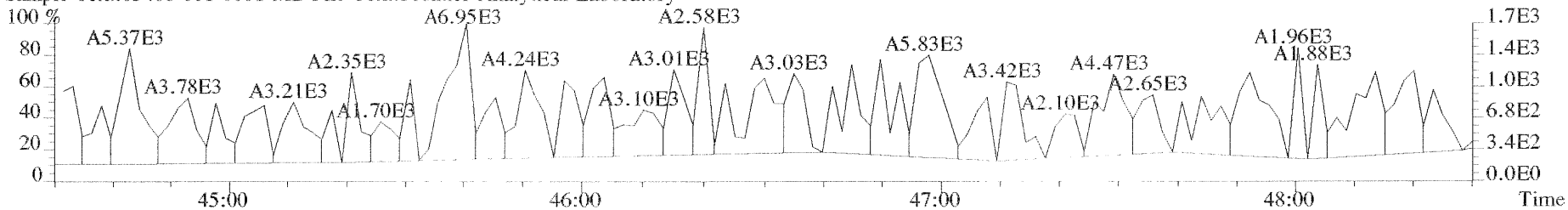
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



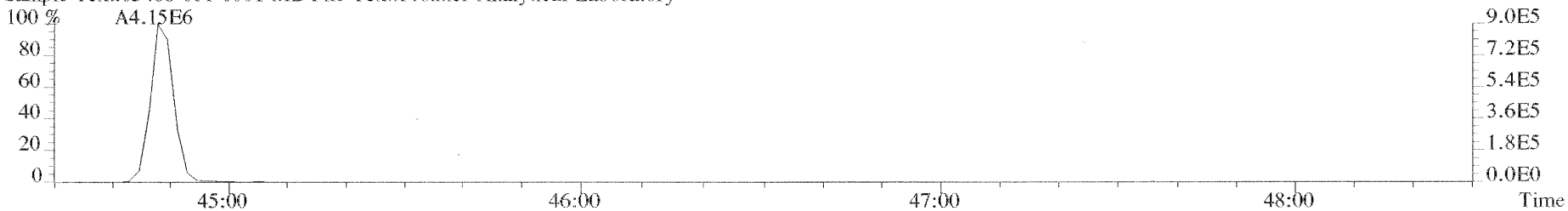
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



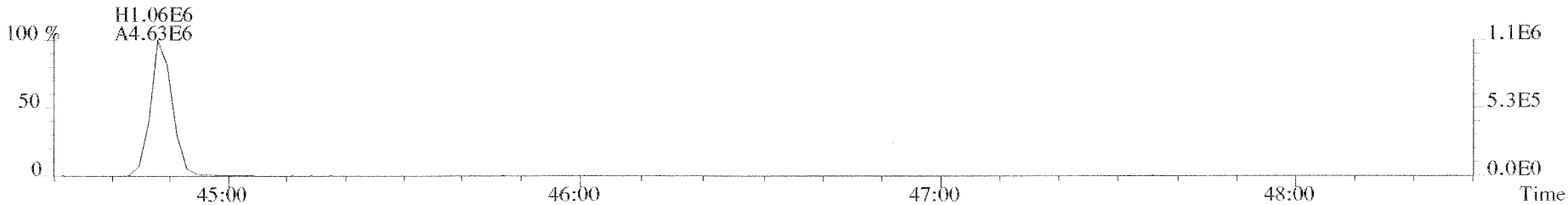
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



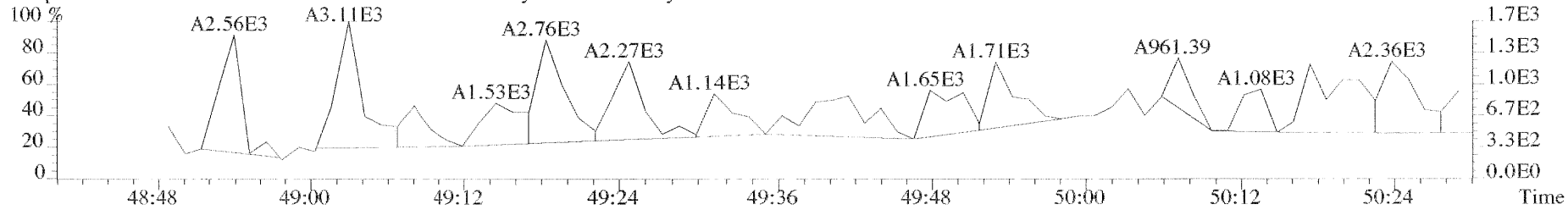
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



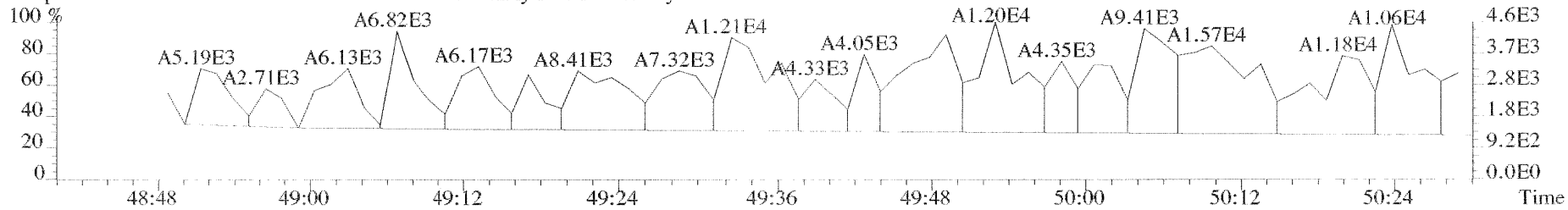
File:23OCT20Z #1-407 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



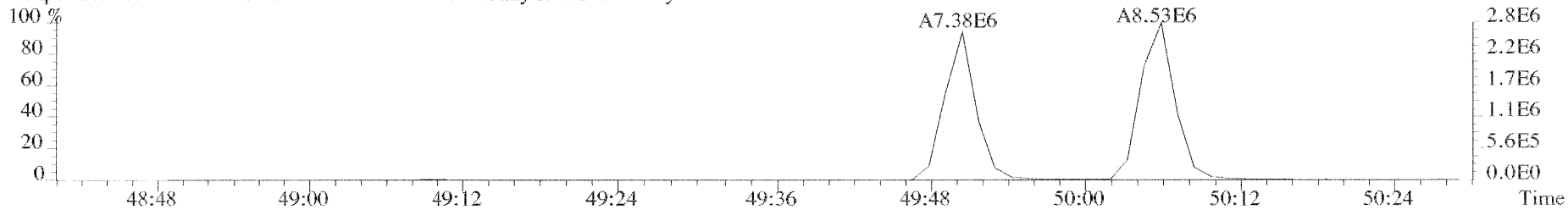
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



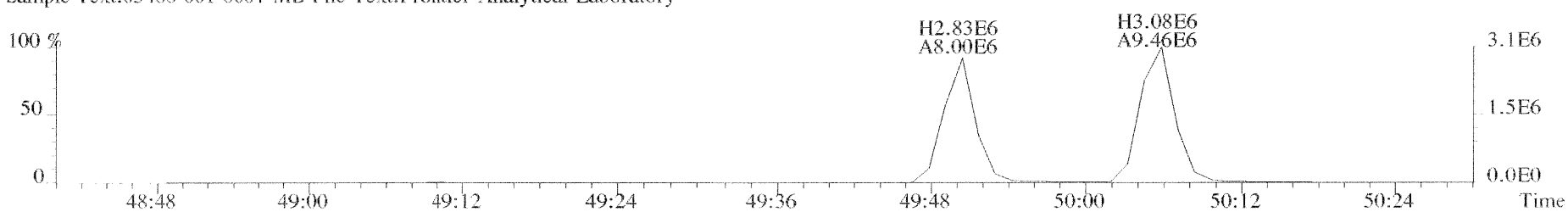
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



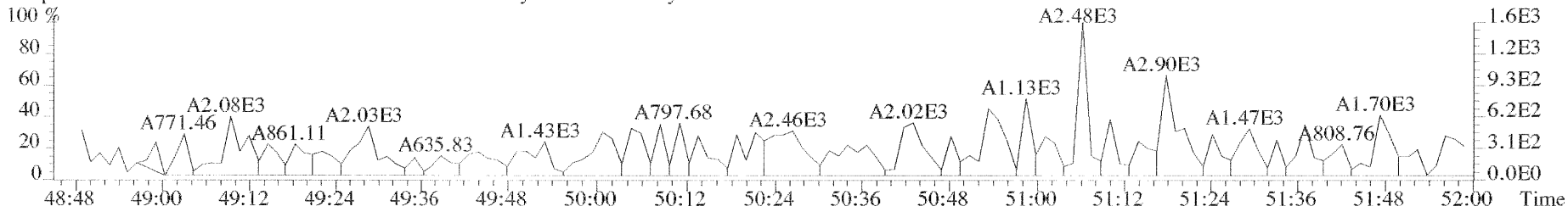
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



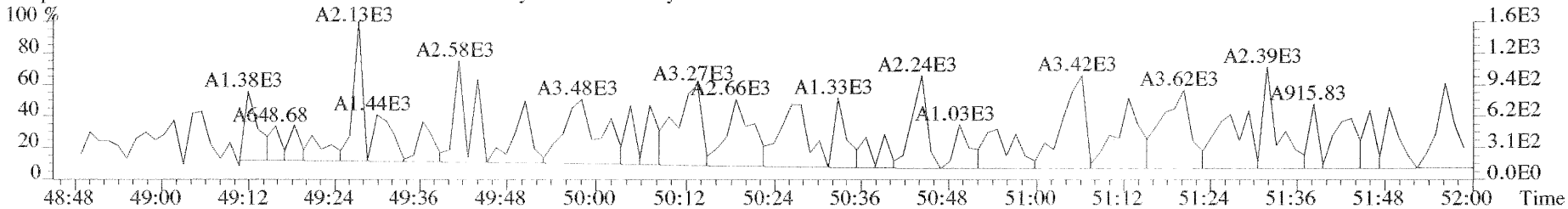
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



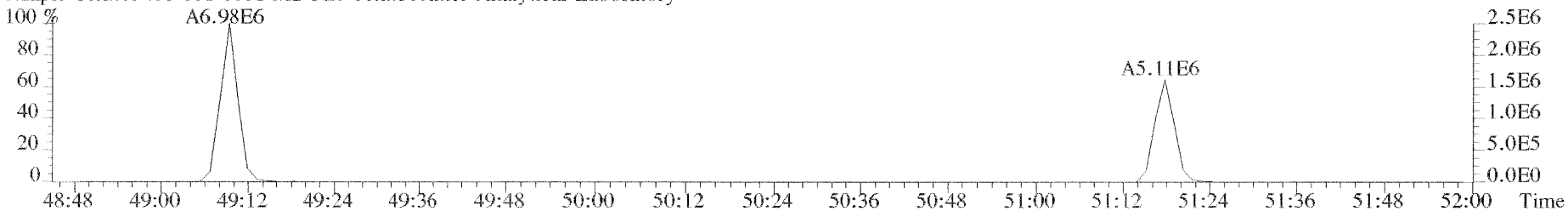
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



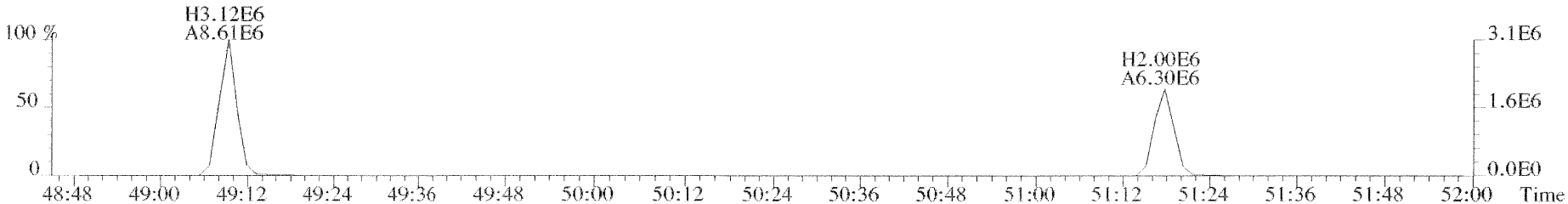
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



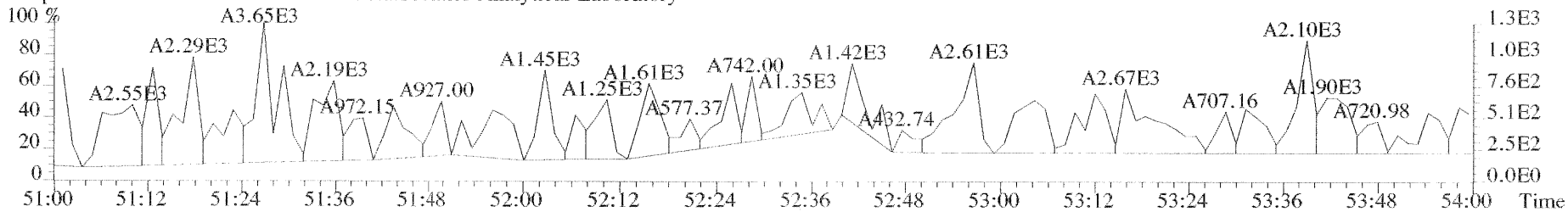
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



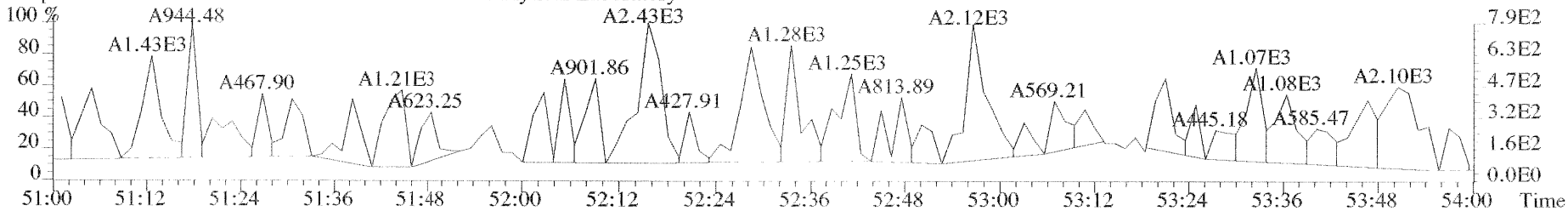
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



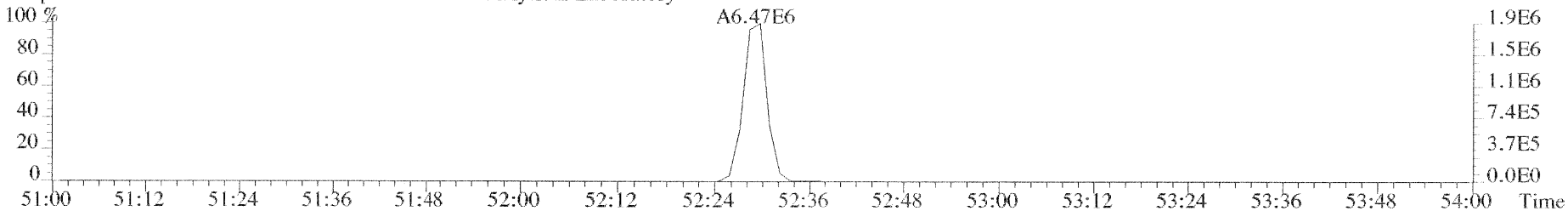
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



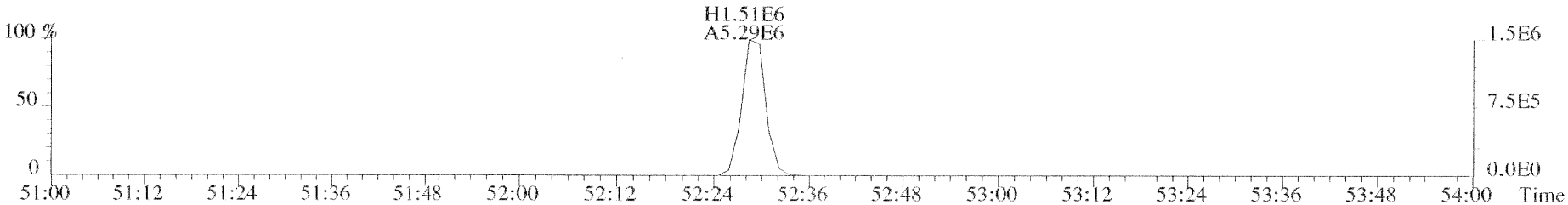
File:23OCT20Z #1-314 Acq:23-OCT-2020 12:48:05 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-MB File Text:Frontier Analytical Laboratory



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

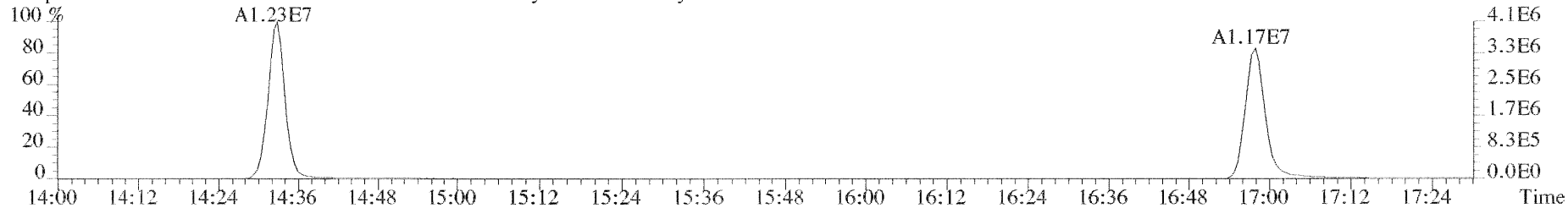
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	1.62e+07	3.18 y	14:33	1.35	50.2		2.50	-	-	*	
13C-PCB-1	2.38e+07	3.17 y	14:32	0.94	80.1		2.50				80.1
PCB-3	1.54e+07	3.18 y	16:58	1.39	49.0		2.50	-	-	*	
13C-PCB-3	2.26e+07	3.33 y	16:57	0.88	81.5		2.50				81.5
PCB-4	1.16e+07	1.45 y	18:12	1.16	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: DAILY209FAL4-10-23-20
Client ID: OPR ConCal: ST10232OZ1 EndCal: ST10232OZ2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

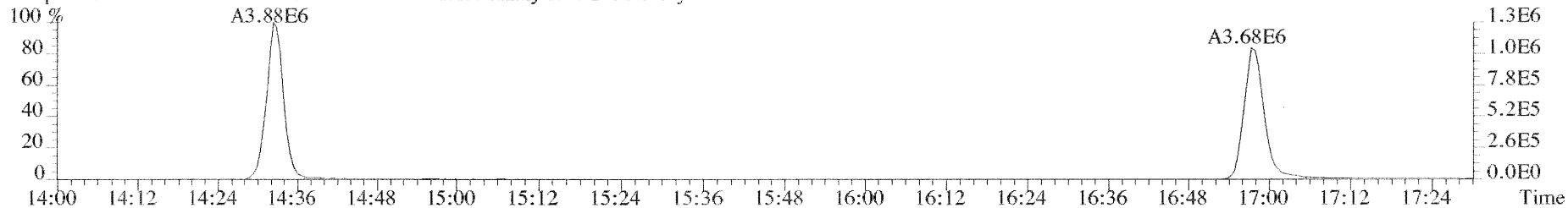
PCB-205	9.37e+06	0.91	y	50:06	1.17	49.1	2.50	-	-	*	
13C-PCB-205	1.63e+07	0.89	y	50:06	1.30	86.1	2.50				86.1
PCB-208	7.73e+06	1.34	y	49:10	1.16	48.9	2.50	-	-	*	
13C-PCB-208	1.36e+07	0.81	y	49:09	1.13	83.5	2.50				83.5
PCB-206	6.16e+06	1.36	y	51:19	1.17	50.8	2.50	-	-	*	
13C-PCB-206	1.04e+07	0.81	y	51:18	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

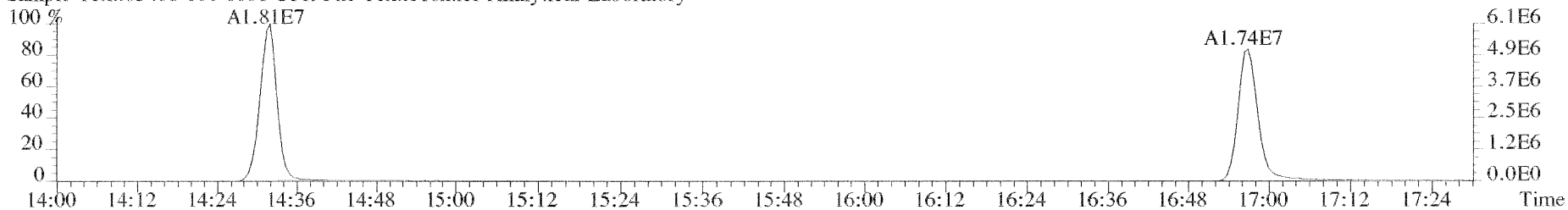
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



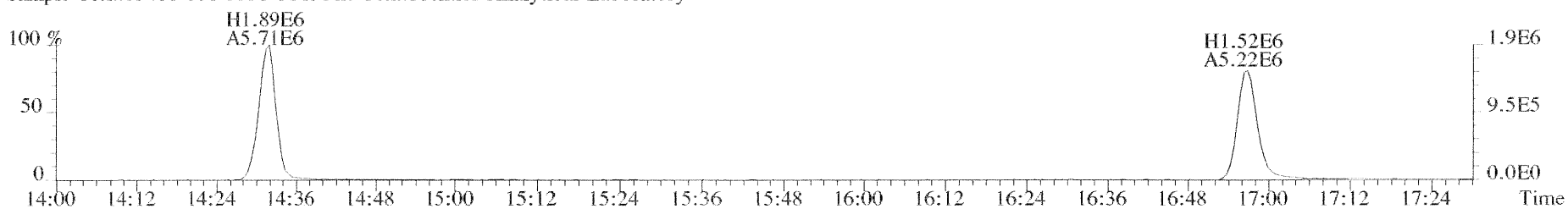
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



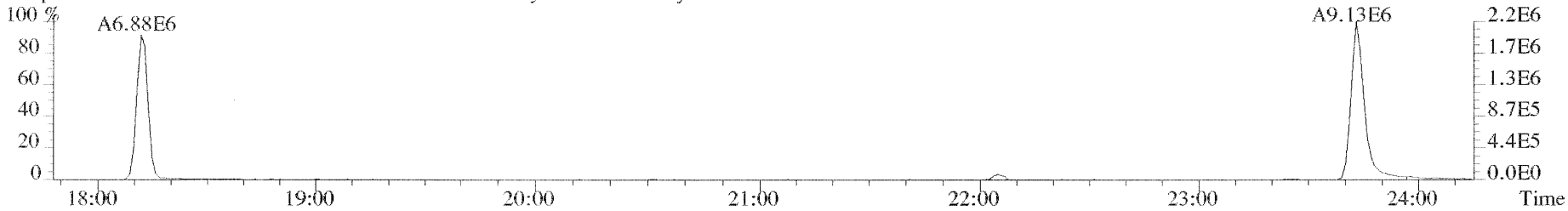
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



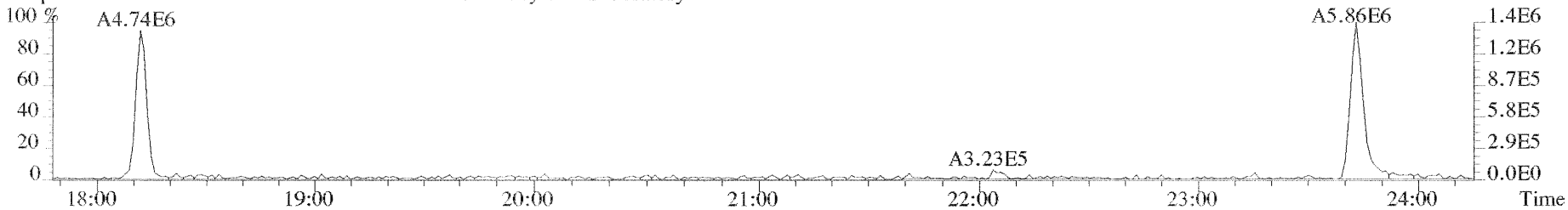
File:23OCT20Z #1-783 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



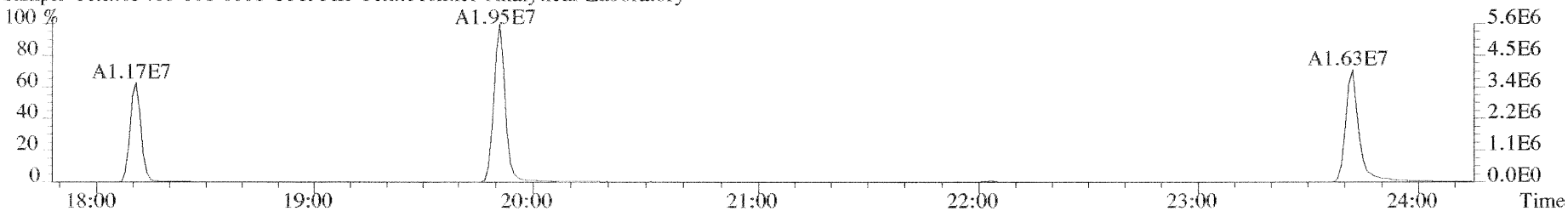
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



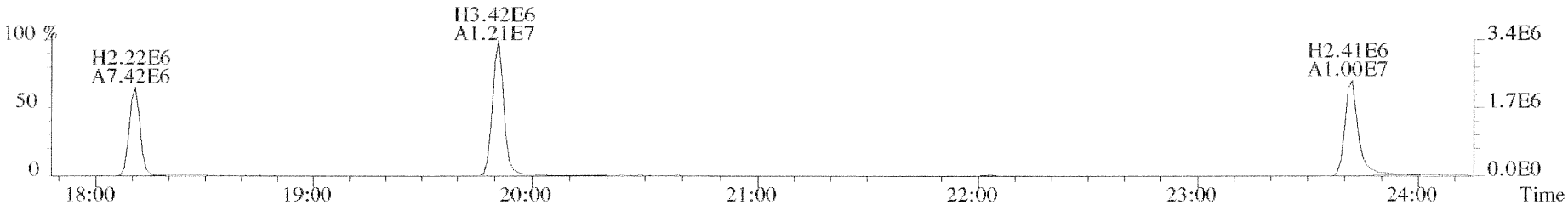
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



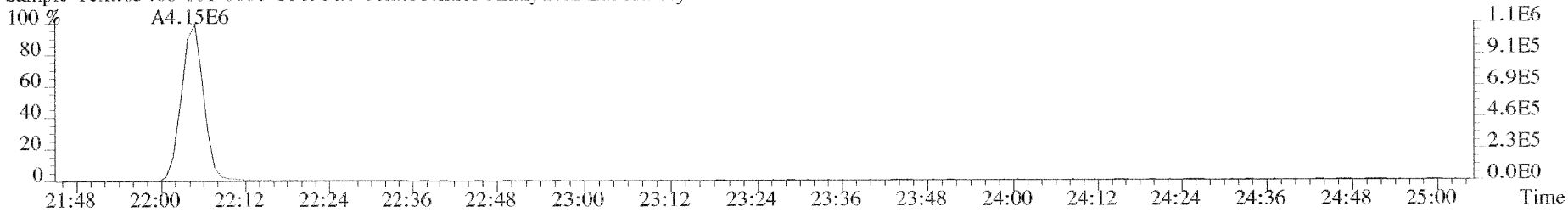
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



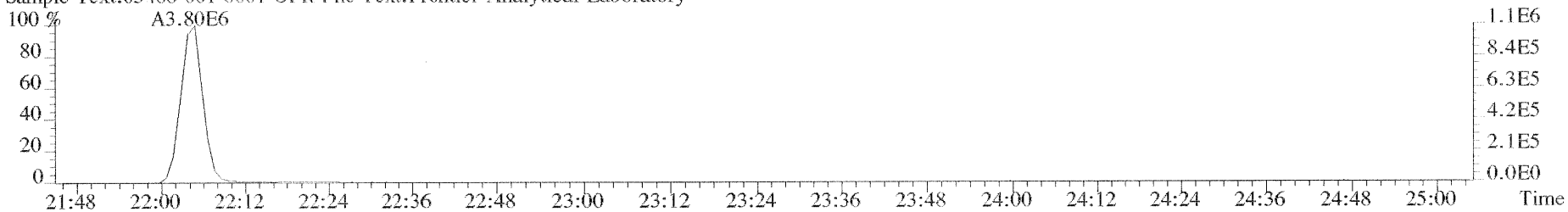
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



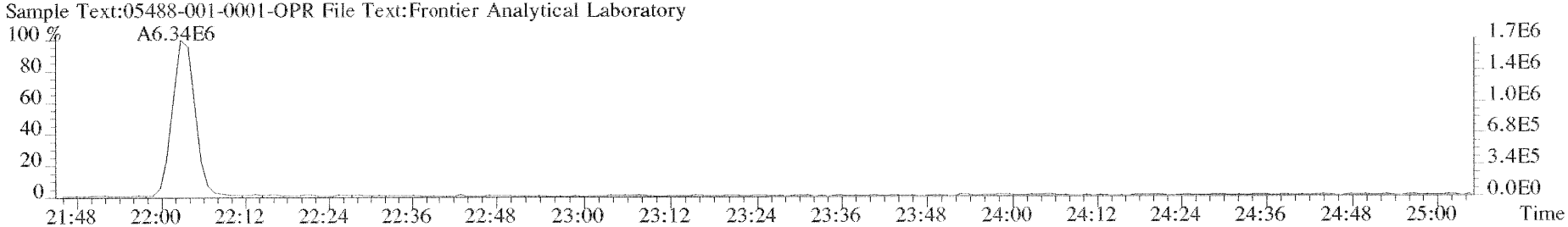
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



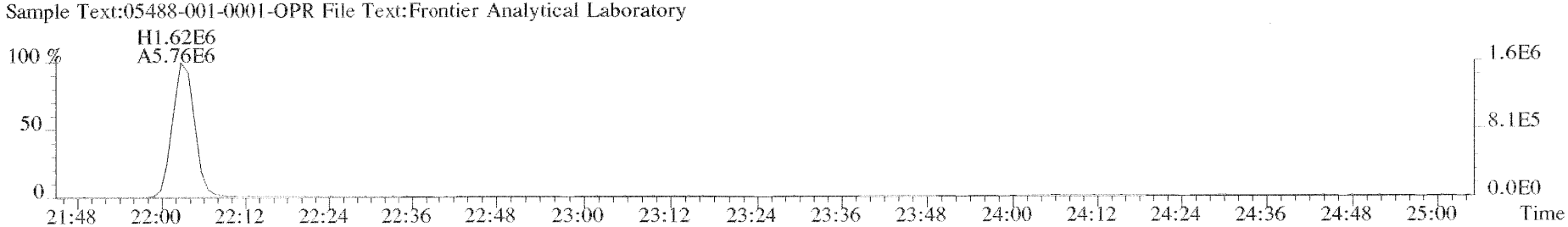
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



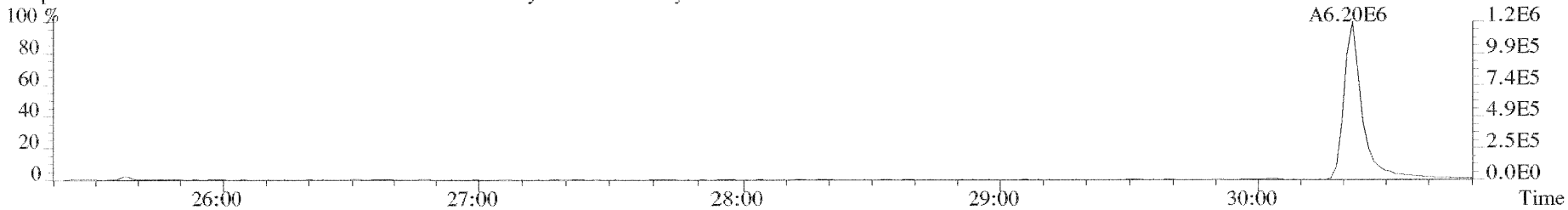
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



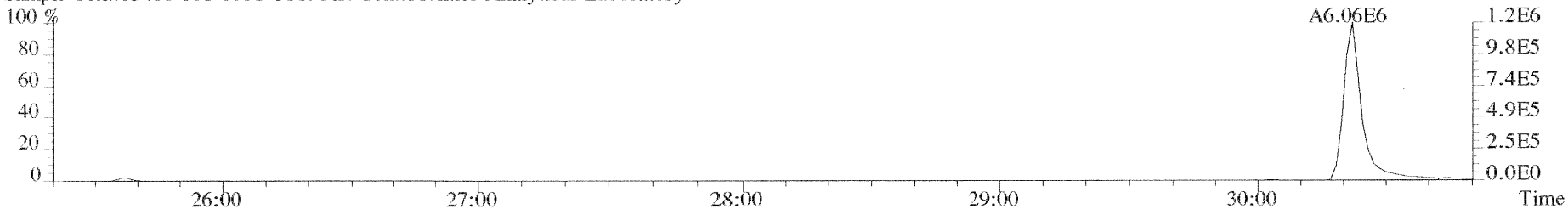
File:23OCT20Z #1-467 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



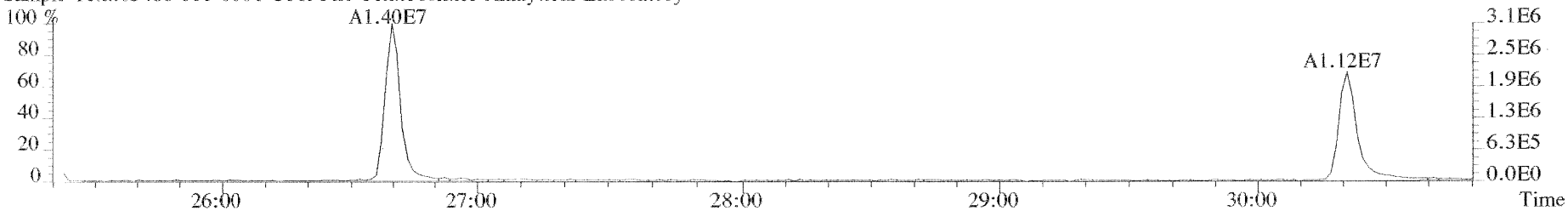
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



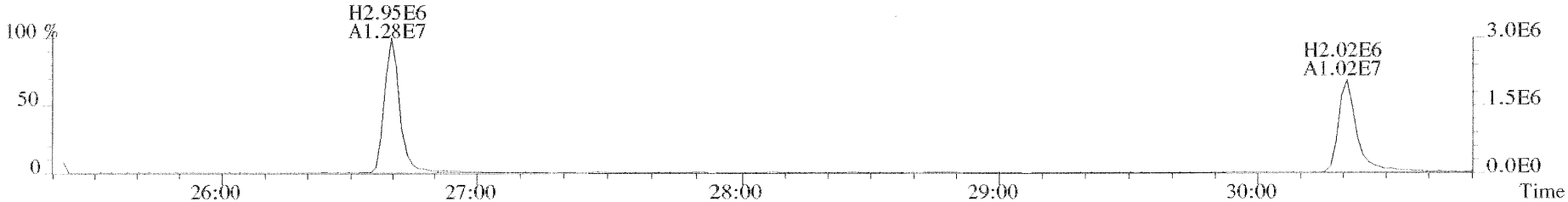
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



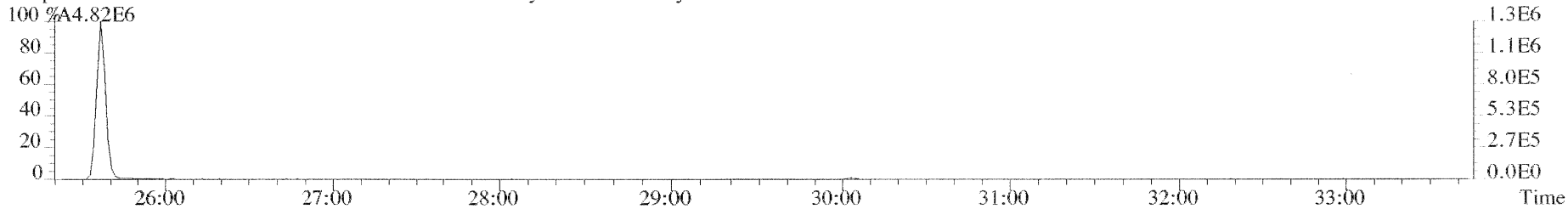
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



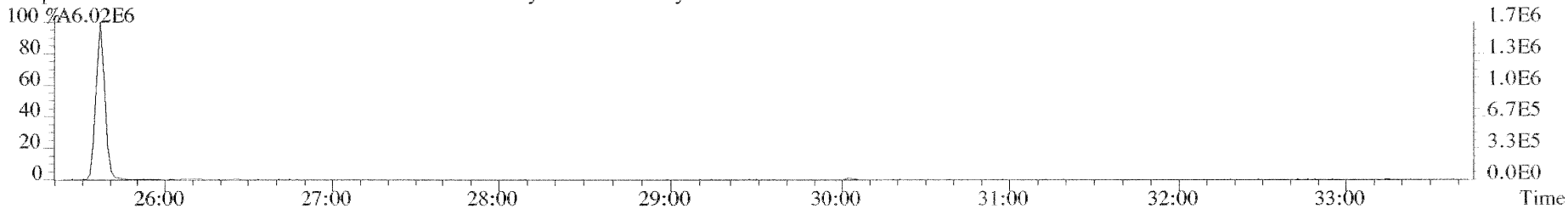
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



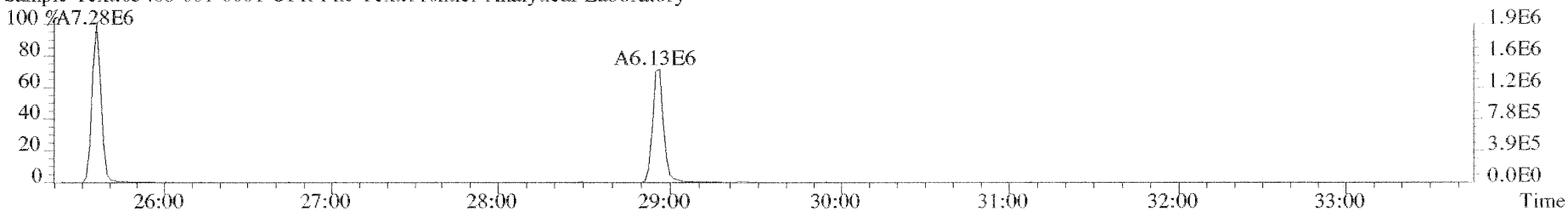
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



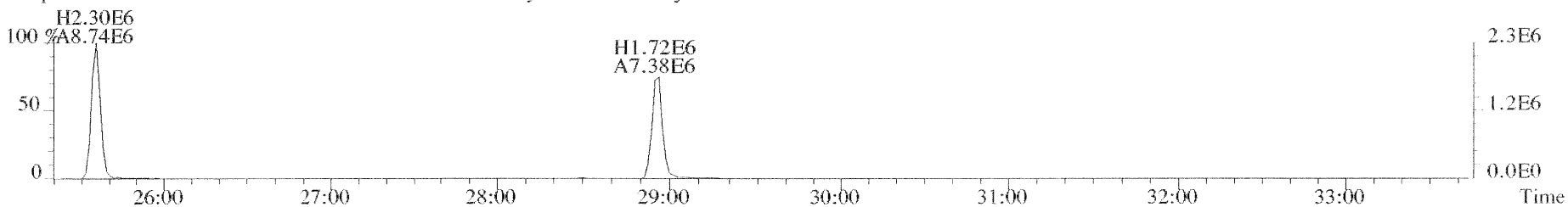
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



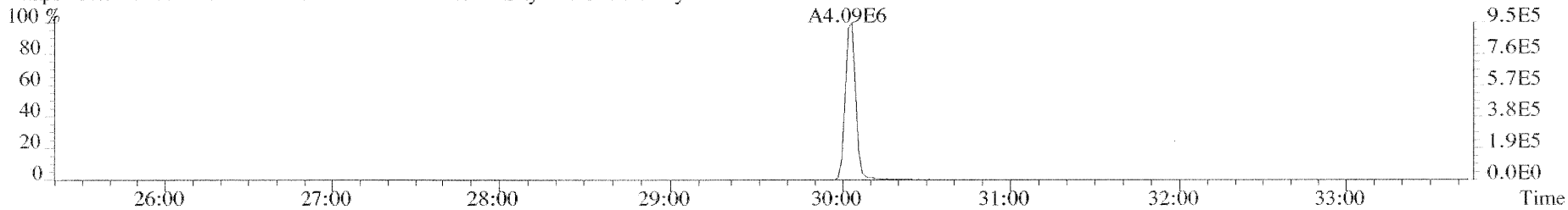
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



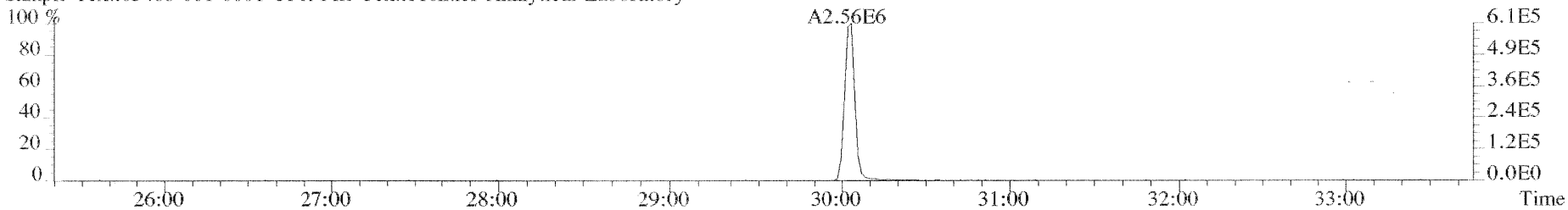
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



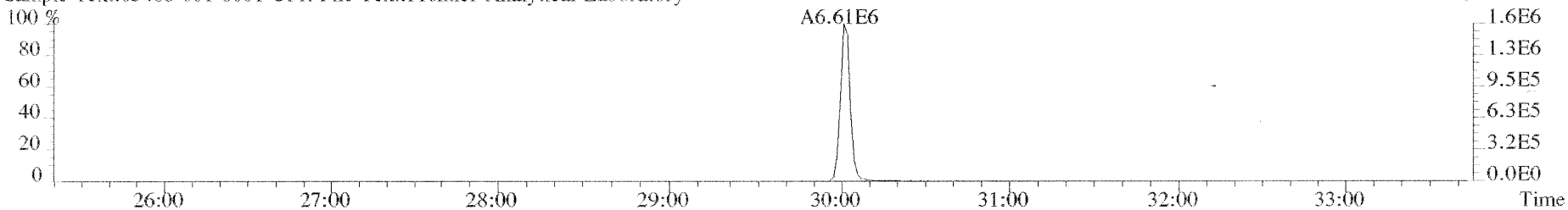
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



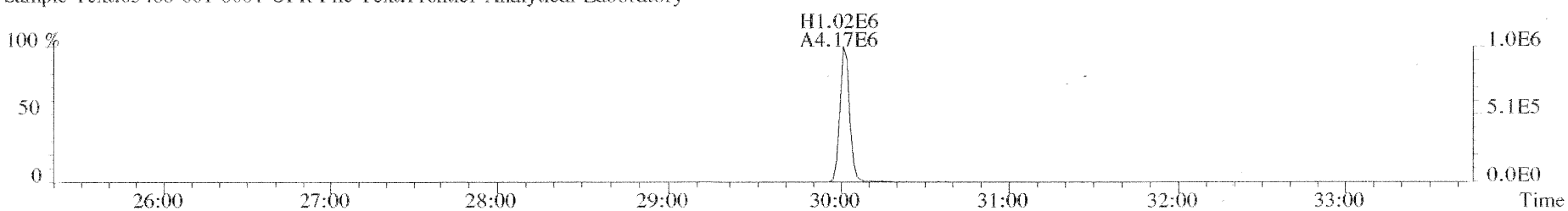
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



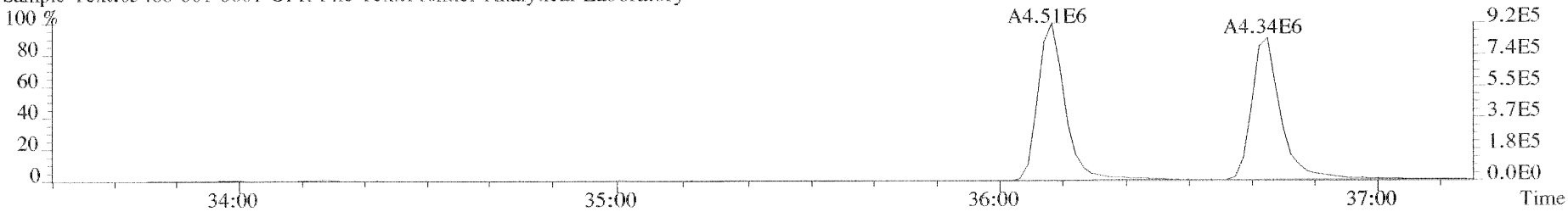
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



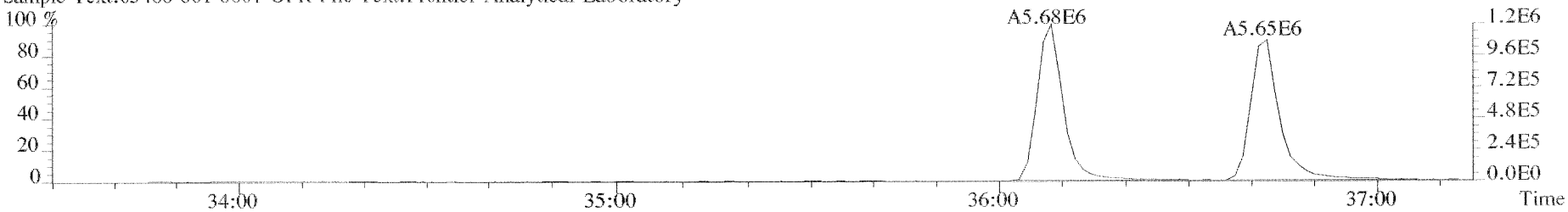
File:23OCT20Z #1-397 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



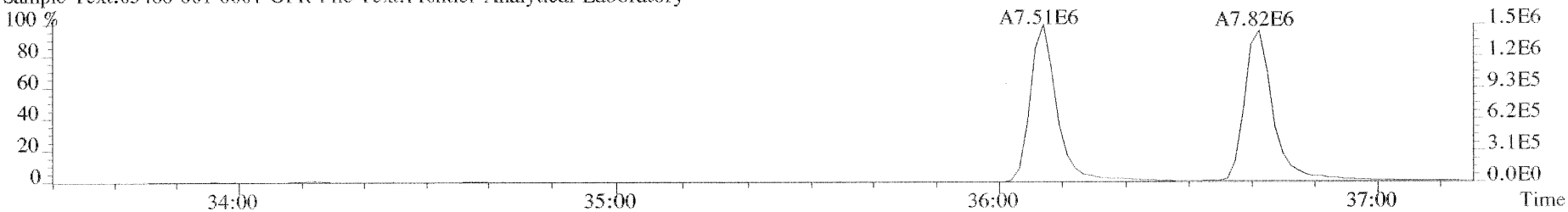
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



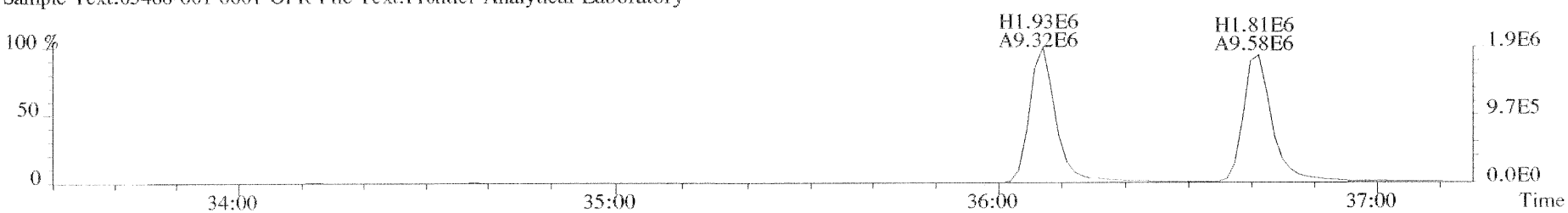
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



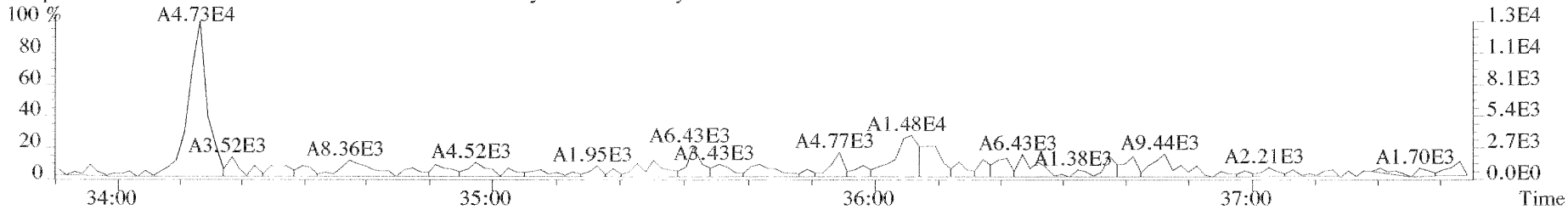
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



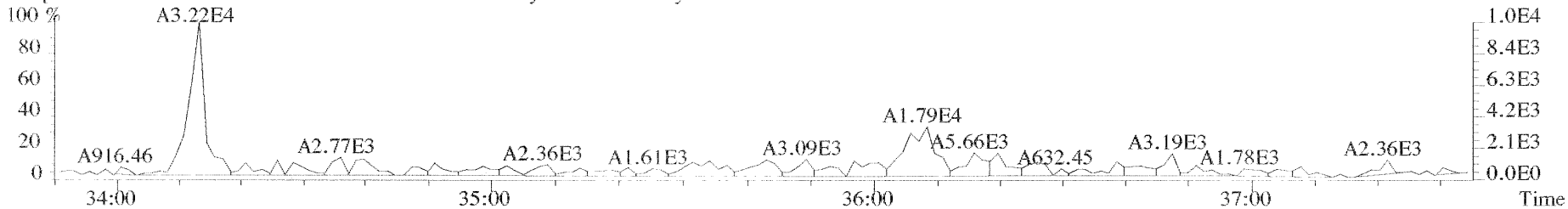
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



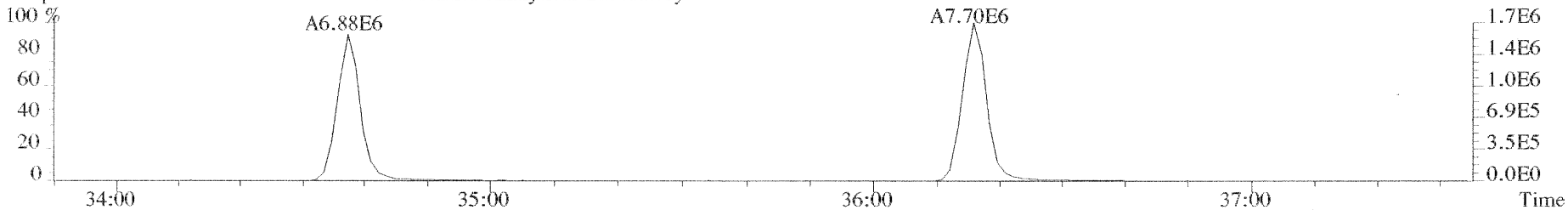
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



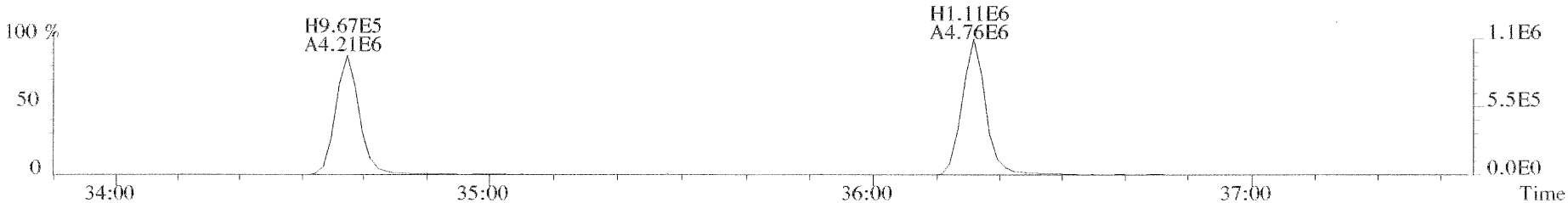
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



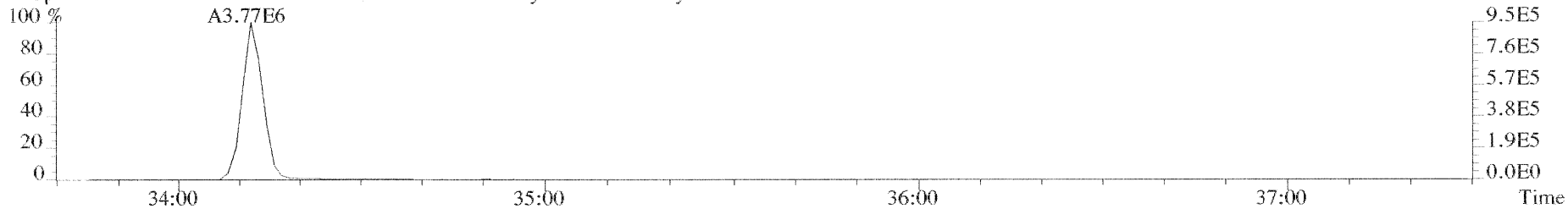
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



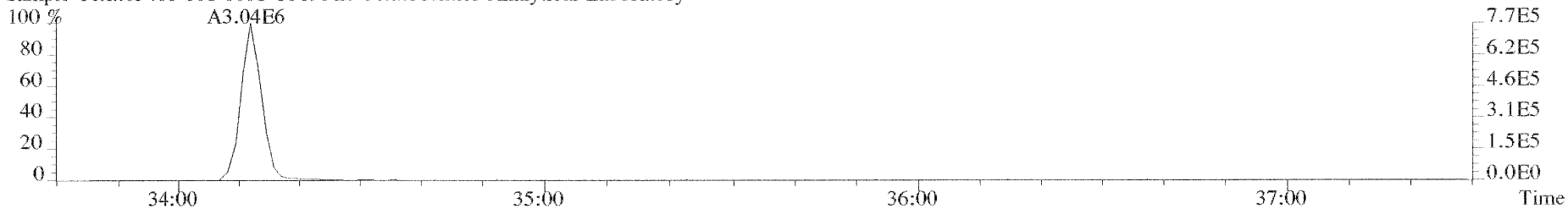
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



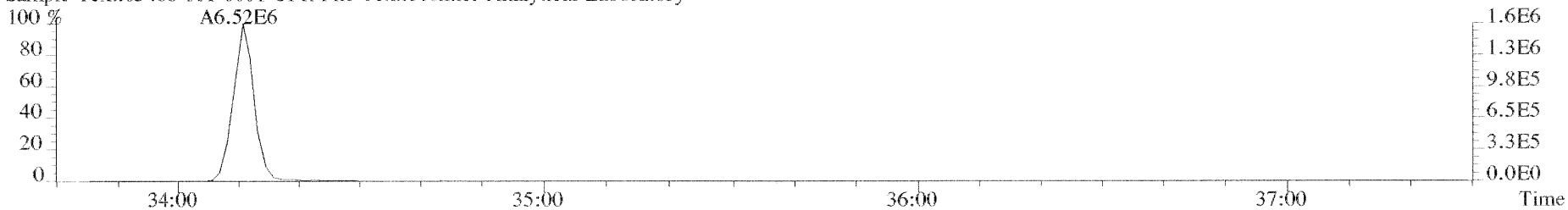
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



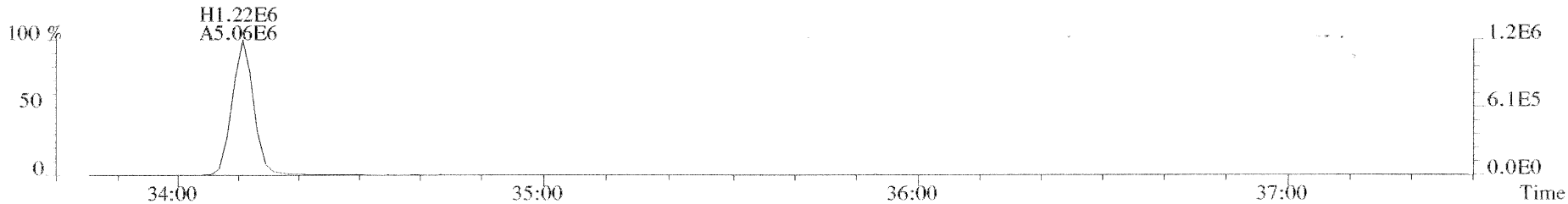
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



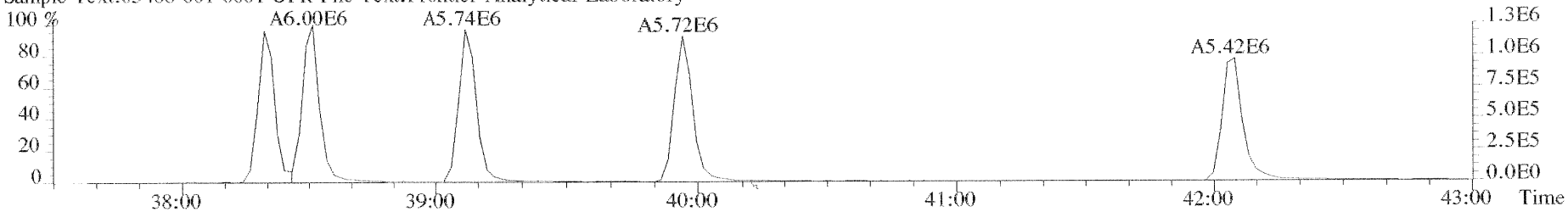
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



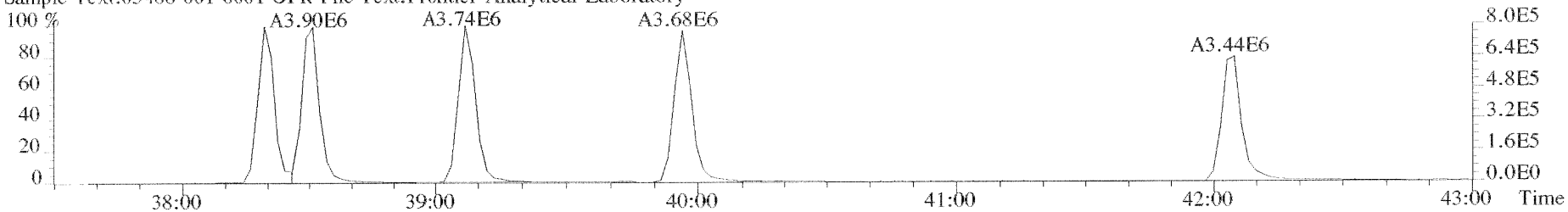
File:23OCT20Z #1-183 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



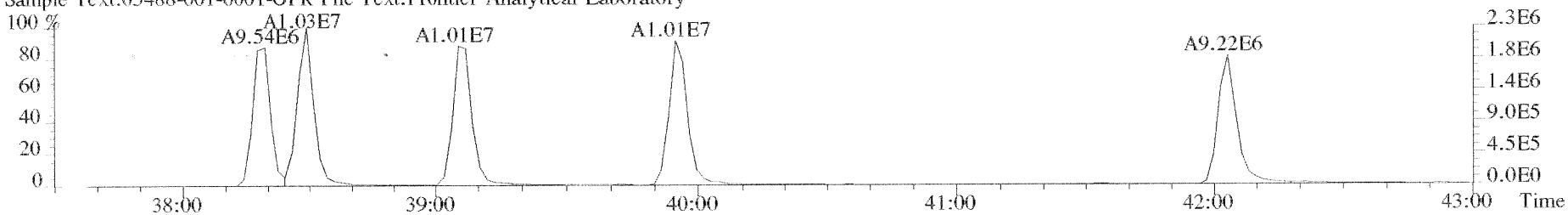
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



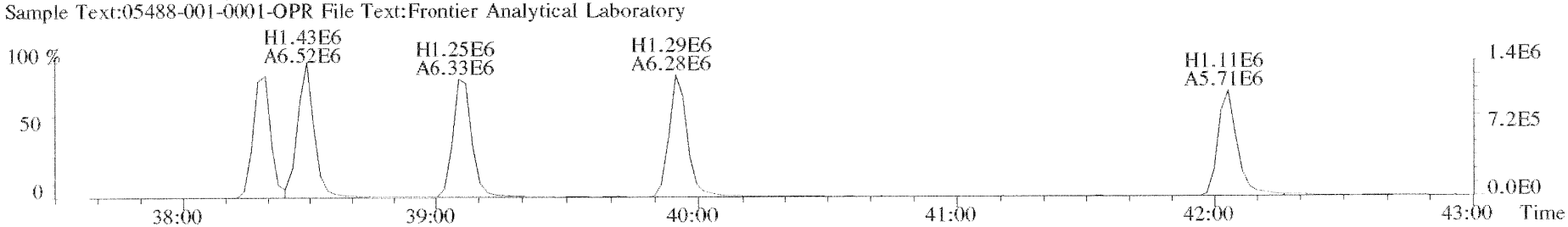
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



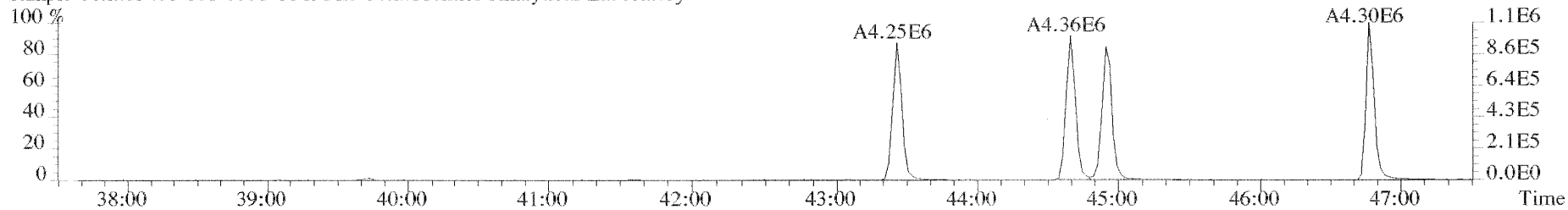
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



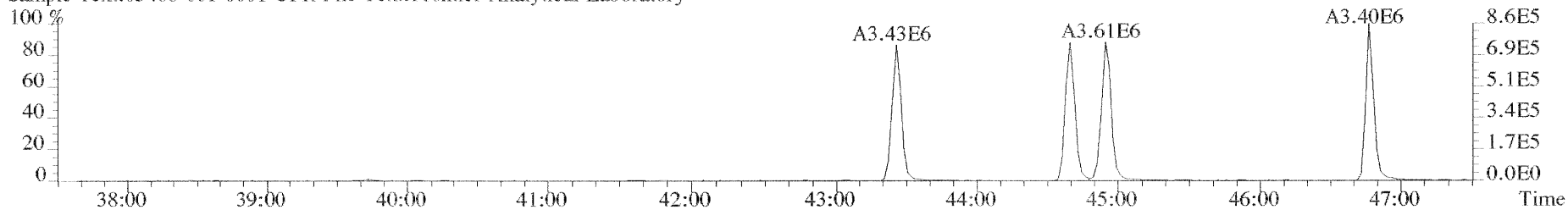
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



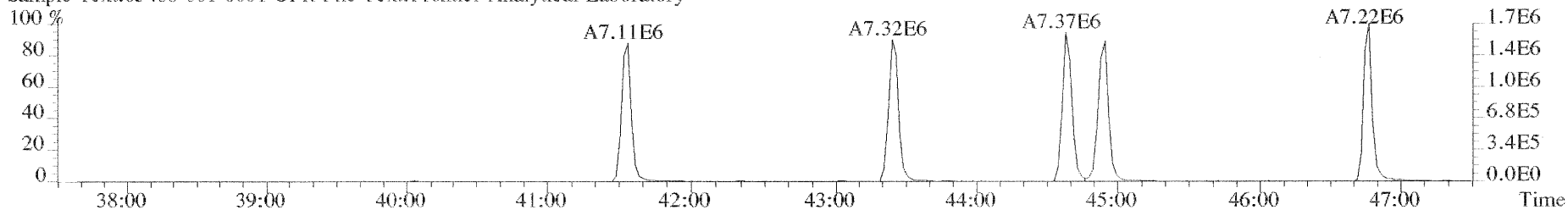
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



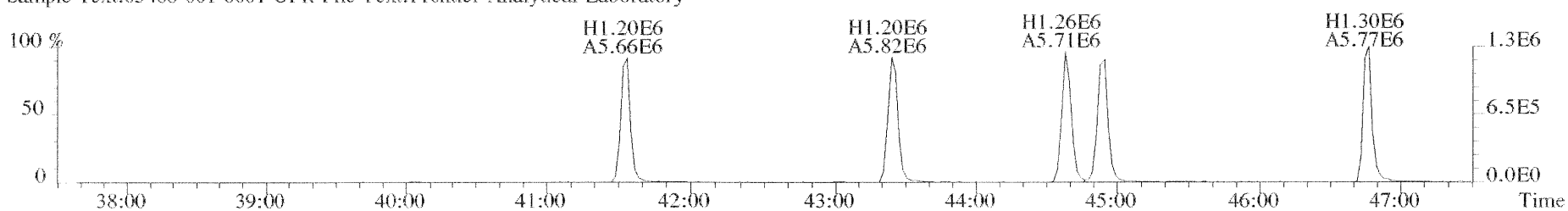
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



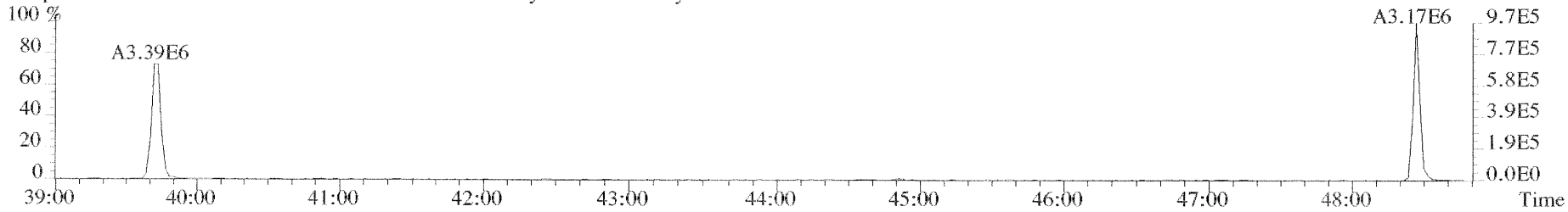
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



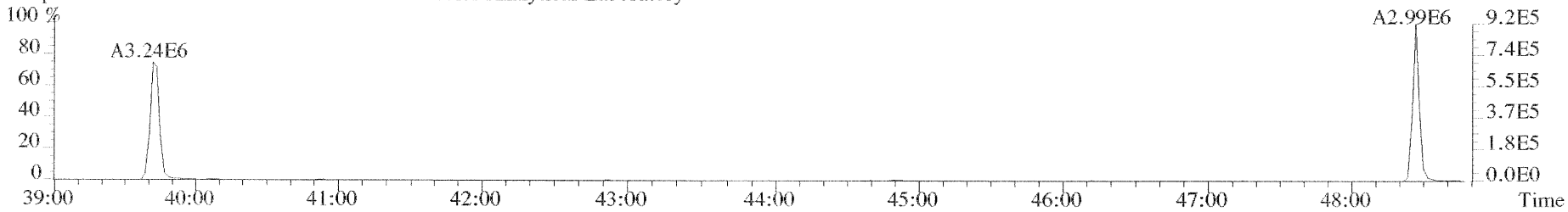
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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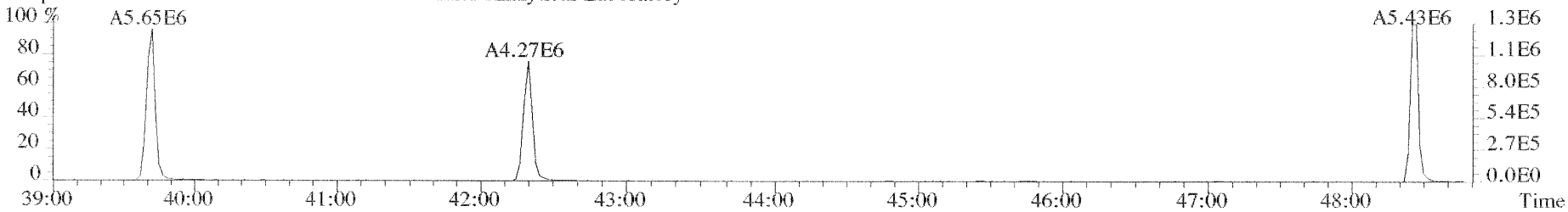
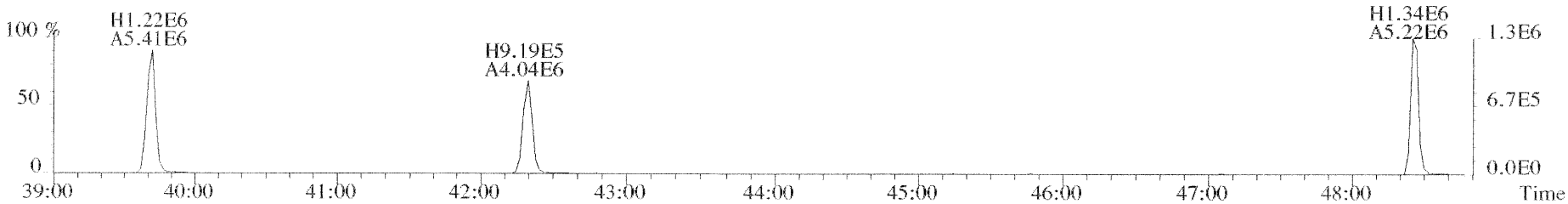
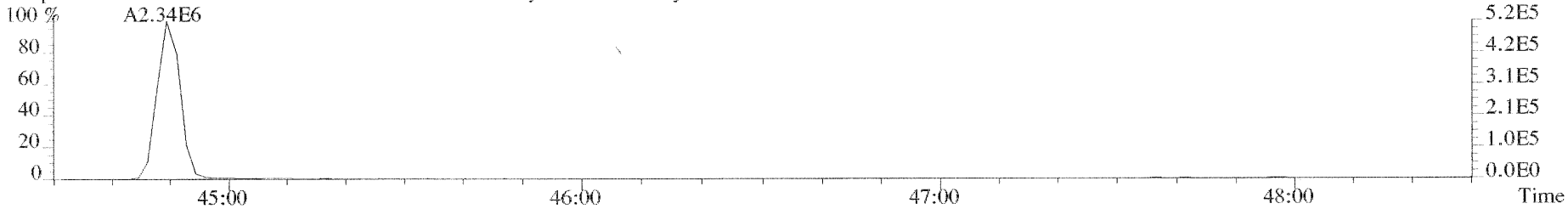
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



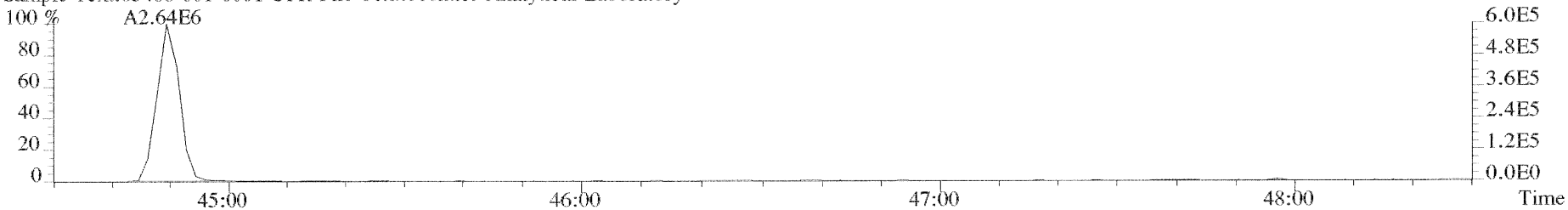
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



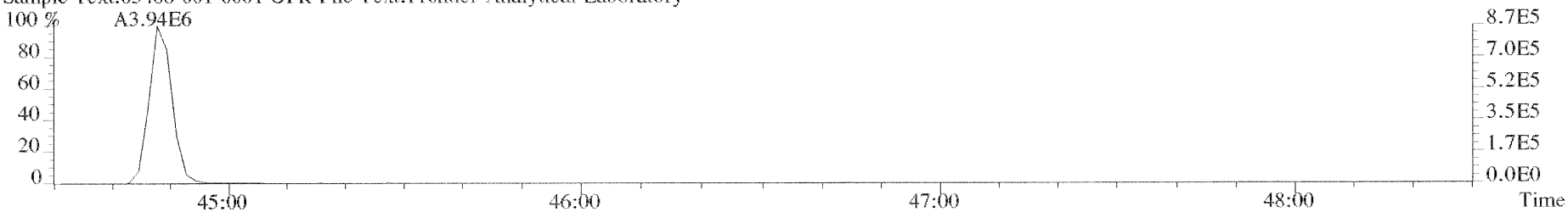
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



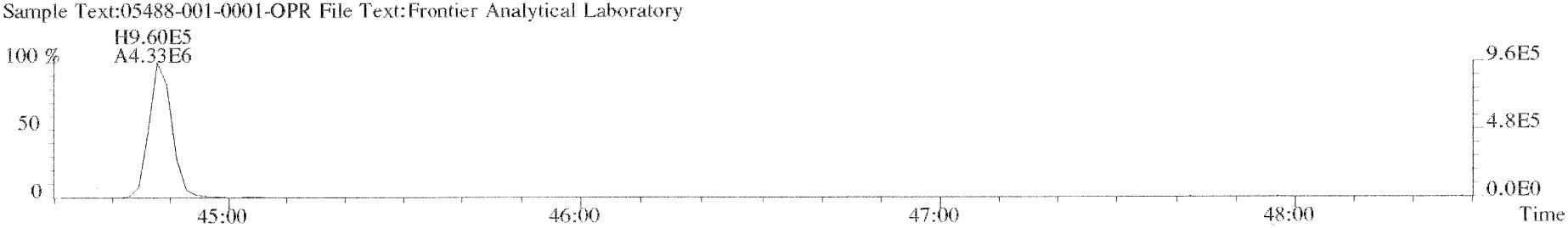
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



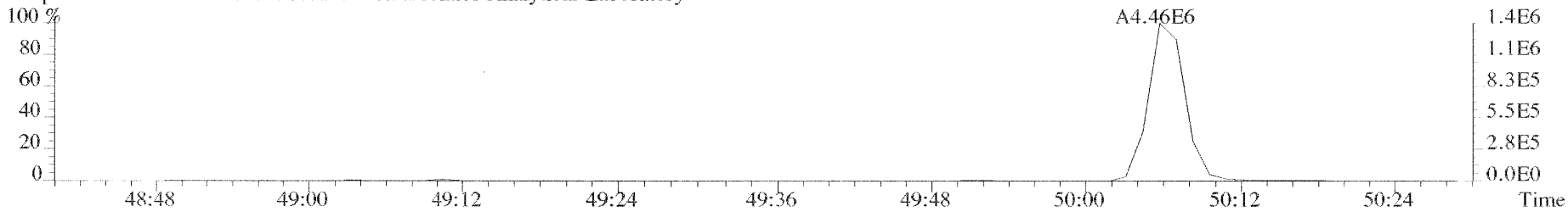
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



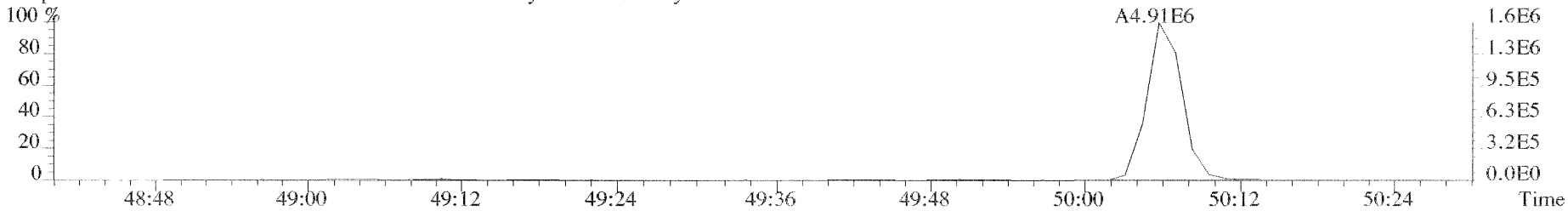
File:23OCT20Z #1-407 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



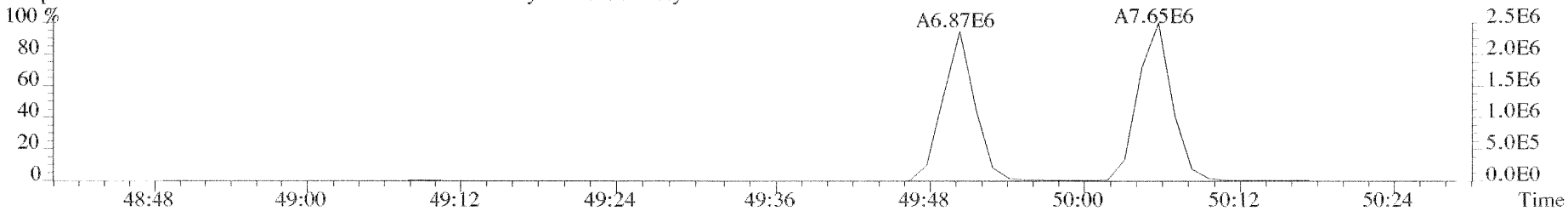
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



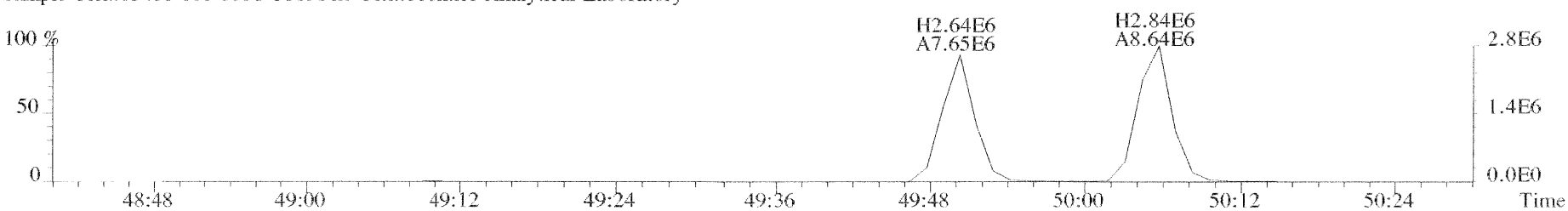
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



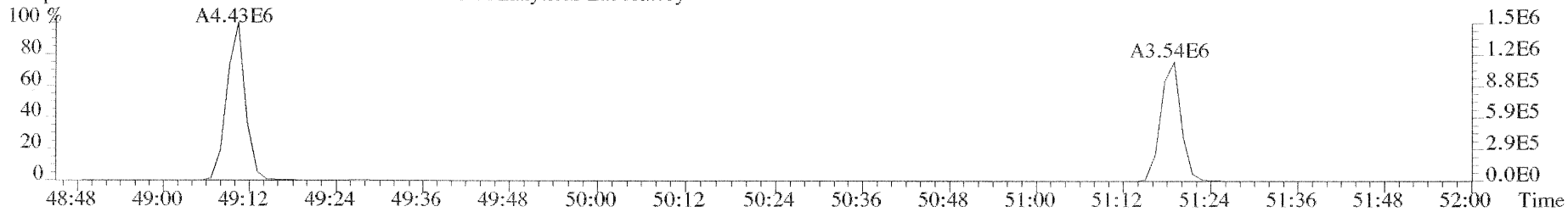
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



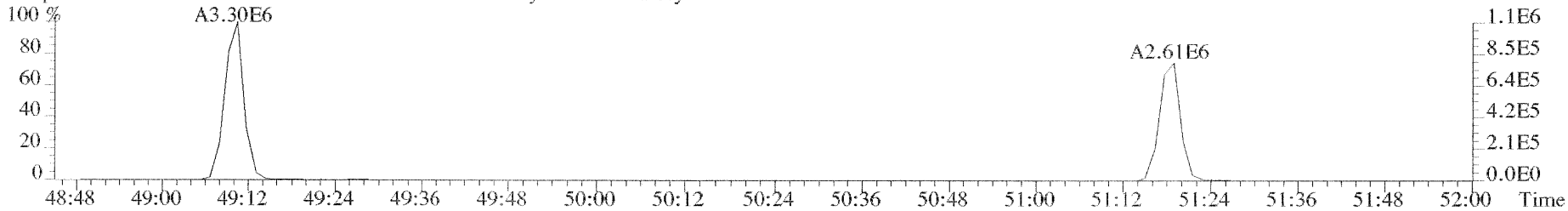
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



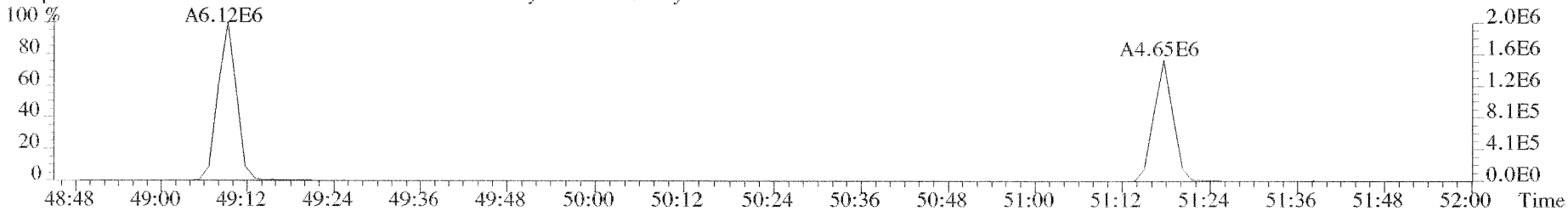
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



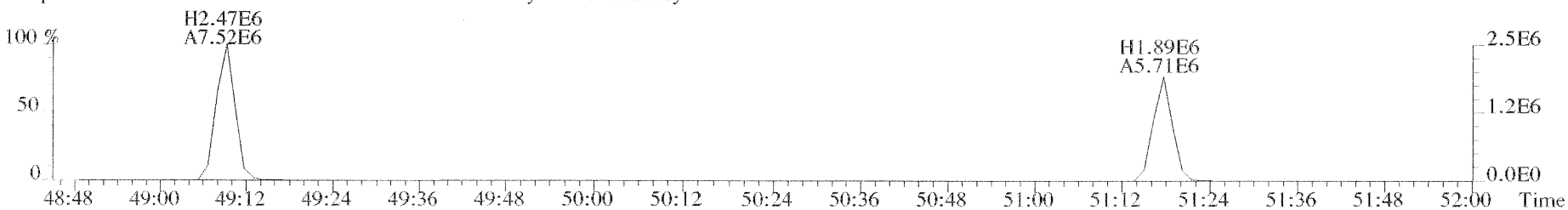
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



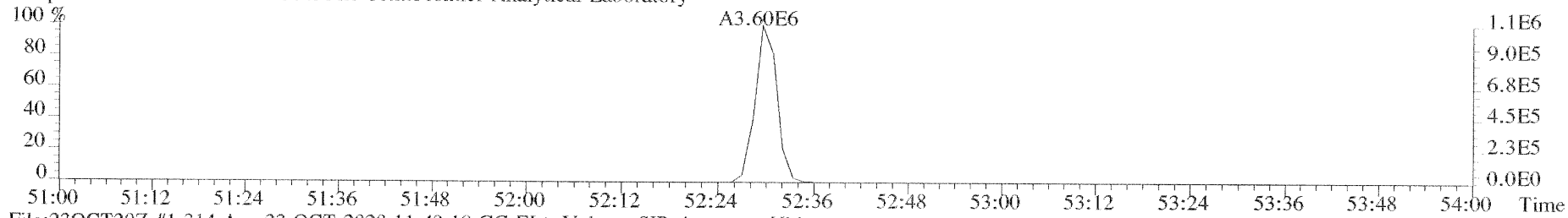
File:23OCT20Z #1-314 Acq:23-OCT-2020 11:49:19 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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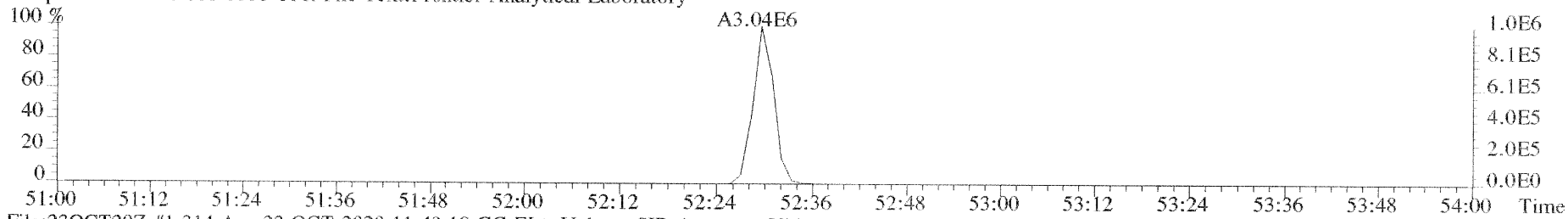
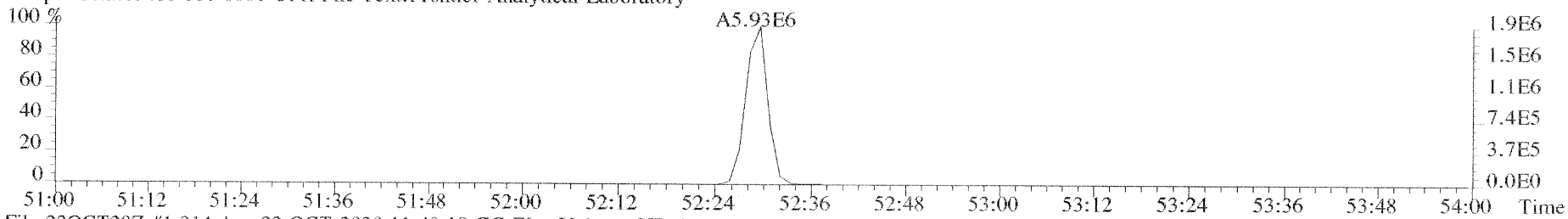
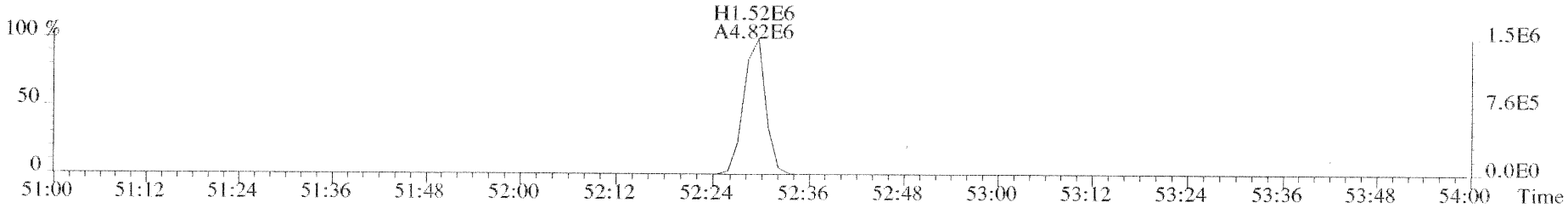
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05488-001-0001-OPR File Text:Frontier Analytical Laboratory



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: 13372-003-0001-SA Filename: 16OCT20Z Sam:9 Acquired: 16-OCT-20 15:35:38 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR+AC-S010-DEP ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.48	*		1120	952	5.51			
13C-PCB-1	1.83e+07	3.28 y	14:30	0.70	9650					96.5	4.93e+06	1.47e+06
PCB-2	*	* n	NotFnd	1.48	*		1120	952	6.06			
PCB-3	*	* n	NotFnd	1.47	*		1120	952	6.66			
13C-PCB-3	1.76e+07	3.29 y	16:55	0.68	9560					95.6	4.12e+06	1.22e+06
PCB-4	1.01e+05	1.47 y	18:12	1.02	60.6		-	-	*			
PCB-10	*	* n	NotFnd	1.54	*		810	2890	10.2			
13C-PCB-4	1.63e+07	1.58 y	18:10	0.67	9020					90.2	3.14e+06	1.95e+06
PCB-9	*	* n	NotFnd	1.40	*		810	2890	11.3			
PCB-7	*	* n	NotFnd	1.47	*		810	2890	10.7			
PCB-6	1.38e+05	1.58 y	20:29	1.39	46.4		-	-	*			
PCB-8	4.79e+05	1.41 y	20:52	1.40	160		-	-	*			
PCB-5	*	* n	NotFnd	1.44	*		810	2890	11.0			
PCB-14	3.28e+06	1.53 y	21:55	1.39	1100		-	-	*			
PCB-11	1.58e+05	1.49 y	23:03	1.30	57.0		-	-	*			
PCB-13	*	* n	NotFnd	1.35	*		810	2890	11.6			
PCB-12	*	* n	NotFnd	1.31	*		810	2890	12.0			
PCB-15	2.45e+05	1.33 y	23:43	1.23	75.4		-	-	*			
13C-PCB-15	2.64e+07	1.63 y	23:41	0.99	9800					98.0	4.02e+06	2.50e+06
PCB-19	1.14e+05	1.19 y	22:05	1.37	89.0		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		860	396	5.92			
PCB-18	9.28e+05	1.08 y	23:36	1.42	702		-	-	*			
PCB-17	3.78e+05	1.04 y	23:46	1.52	267		-	-	*			
PCB-27	1.23e+05	1.17 y	24:17	1.97	67.0		-	-	*			
PCB-24	2.97e+04	1.12 y	24:20	1.97	16.2	J	-	-	*			
PCB-16	2.81e+05	1.11 y	24:47	1.70	178		-	-	*			
PCB-32	3.76e+05	1.14 y	24:49	1.77	228		-	-	*			
13C-PCB-19	9.31e+06	1.08 y	22:03	0.37	9270					92.7	1.36e+06	1.29e+06
13C-PCB-9	2.71e+07	1.65 y	19:50	-	44.5							
PCB-34	*	* n	NotFnd	1.20	*		1230	810	7.60			
PCB-23	*	* n	NotFnd	1.16	*		1230	810	7.86			
PCB-29	*	* n	NotFnd	1.21	*		1230	810	7.51			
PCB-26	4.58e+05	1.06 y	26:04	1.18	165		-	-	*			
PCB-25	2.49e+05	1.17 y	26:13	1.14	93.1		-	-	*			
PCB-31	1.71e+06	1.06 y	26:34	1.16	628		-	-	*			
PCB-28	2.01e+06	1.09 y	26:40	1.44	593		-	-	*			
PCB-20	1.10e+06	1.05 y	27:16	1.18	395		-	-	*		Co-elute PCB 21/33	
PCB-21	1.10e+06	1.05 y	27:16	1.18	395		-	-	*		Co-elute PCB 20/33	
PCB-33	1.10e+06	1.05 y	27:16	1.18	395		-	-	*		Co-elute PCB 20/21	
PCB-22	6.07e+05	1.11 y	27:40	1.29	200		-	-	*			
PCB-36	3.49e+06	1.06 y	28:14	1.20	1230		-	-	*			
PCB-39	*	* n	NotFnd	1.24	*		1230	810	7.35			
PCB-38	*	* n	NotFnd	1.23	*		1230	810	7.41			
PCB-35	*	* n	NotFnd	1.16	*		1230	810	7.82			
PCB-37	3.64e+05	1.15 y	30:21	1.21	128		-	-	*			
13C-PCB-37	2.35e+07	1.08 y	30:18	1.83	10300					103	2.89e+06	2.71e+06

PCB-54	*	*	n	NotFnd	1.41	*		651	970	7.73			
PCB-50	*	*	n	NotFnd	1.12	*		651	970	9.70			
PCB-53	3.42e+05	0.68	y	27:19	1.11	213		-	-	*			
PCB-51	1.48e+05	0.78	y	27:38	1.15	88.3		-	-	*			
PCB-45	2.67e+05	0.76	y	28:02	0.97	189		-	-	*			
PCB-46	1.14e+05	0.76	y	28:30	0.94	83.3		-	-	*			
PCB-52	1.72e+06	0.79	y	28:56	1.15	1030		-	-	*	Co-elute PCB 69		
PCB-69	1.72e+06	0.79	y	28:56	1.15	1030		-	-	*	Co-elute PCB 52		
PCB-73	6.14e+04	0.67	y	29:04	1.52	27.8		-	-	*			
PCB-43	1.19e+06	0.78	y	29:14	1.06	769		-	-	*	Co-elute PCB 49		
PCB-49	1.19e+06	0.78	y	29:14	1.06	769		-	-	*	Co-elute PCB 43		
PCB-47	4.83e+05	0.74	y	29:25	1.13	293		-	-	*			
PCB-48	3.20e+05	0.74	y	29:31	1.36	162		-	-	*	Co-elute PCB 75		
PCB-75	3.20e+05	0.74	y	29:31	1.36	162		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.45	*		651	970	7.50			
PCB-62	*	*	n	NotFnd	1.28	*		651	970	8.48			
PCB-44	9.73e+05	0.76	y	30:09	0.92	724		-	-	*			
PCB-42	5.31e+05	0.73	y	30:23	1.20	305		-	-	*	Co-elute PCB 59		
PCB-59	5.31e+05	0.73	y	30:23	1.20	305		-	-	*	Co-elute PCB 42		
PCB-72	1.22e+06	0.80	y	30:56	1.36	617		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.22e+06	0.80	y	30:56	1.36	617		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.22e+06	0.80	y	30:56	1.36	617		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.22e+06	0.80	y	30:56	1.36	617		-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.82e+04	0.83	y	31:10	1.55	16.9	J	-	-	*			
PCB-40	1.78e+05	0.84	y	31:23	0.87	141		-	-	*			
PCB-57	*	*	n	NotFnd	1.46	*		651	970	7.45			
PCB-67	5.21e+04	0.81	y	31:59	1.46	24.5		-	-	*			
PCB-58	*	*	n	NotFnd	1.45	*		651	970	7.48			
PCB-63	5.87e+04	0.72	y	32:16	1.49	27.1		-	-	*			
PCB-74	5.91e+05	0.74	y	32:32	1.48	275		-	-	*			
PCB-61	1.17e+06	0.76	y	32:45	1.34	601		-	-	*	Co-elute PCB 70		
PCB-70	1.17e+06	0.76	y	32:45	1.34	601		-	-	*	Co-elute PCB 61		
PCB-76	1.09e+06	0.79	y	32:56	1.53	490		-	-	*	Co-elute PCB 66		
PCB-66	1.09e+06	0.79	y	32:56	1.53	490		-	-	*	Co-elute PCB 76		
PCB-80	3.44e+04	0.85	y	33:08	1.74	13.6	J	-	-	*			
PCB-55	1.48e+05	0.69	y	33:28	1.52	67.1		-	-	*			
13C-PCB-54	1.45e+07	0.82	y	25:34	1.13	10400						104	1.66e+06 2.07e+06
PCB-104	4.19e+06	1.56	y	30:02	1.26	3820		-	-	*			
PCB-96	1.93e+04	1.54	y	31:13	1.23	18.0	J	-	-	*			
PCB-103	3.01e+04	1.61	y	31:44	1.05	33.0		-	-	*			
PCB-100	2.88e+04	1.57	y	32:04	1.05	31.4		-	-	*			
PCB-94	*	*	n	NotFnd	0.89	*		340	448	9.73			
PCB-98	*	*	n	NotFnd	0.90	*		340	448	9.62	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.90	*		340	448	9.62	Co-elute PCB 98		
PCB-95	8.09e+05	1.61	y	33:01	0.95	981		-	-	*			
PCB-93	*	*	n	NotFnd	0.94	*		340	448	9.15			
PCB-88	*	*	n	NotFnd	0.98	*		340	448	8.81	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.98	*		340	448	8.81	Co-elute PCB 88		
PCB-121	5.72e+06	1.56	y	33:28	1.25	5260		-	-	*			
13C-PCB-104	8.70e+06	1.58	y	30:01	0.74	9510						95.1	1.43e+06 8.67e+05
13C-PCB-28	2.56e+07	1.06	y	26:38	2.17	9510						95.1	3.54e+06 3.34e+06
13C-PCB-52	1.24e+07	0.82	y	28:55	-	42.0							

PCB-56	8.94e+05	0.76 y	33:55	1.22	391		-	-	*		Co-elute PCB 60	
PCB-60	8.94e+05	0.76 y	33:55	1.22	391		-	-	*		Co-elute PCB 56	
PCB-79	3.85e+04	0.68 y	34:57	1.29	15.9	J	-	-	*			
PCB-78	9.95e+06	0.78 y	35:35	1.26	4210		-	-	*			
PCB-81	*	* n	NotFnd	1.34	*		916	1470	10.1			
13C-PCB-81	1.85e+07	0.82 y	36:04	1.76	10200					102	2.00e+06	2.40e+06
PCB-77	7.93e+04	0.83 y	36:38	1.18	35.6		-	-	*			
13C-PCB-77	1.89e+07	0.81 y	36:37	1.84	10000					100	1.92e+06	2.34e+06
PCB-155	7.21e+06	1.28 y	34:11	1.16	6370		-	-	*			
PCB-150	*	* n	NotFnd	1.13	*		592	480	9.86			
PCB-152	*	* n	NotFnd	1.11	*		592	480	9.99			
PCB-145	*	* n	NotFnd	1.12	*		592	480	9.90			
PCB-136	1.95e+05	1.27 y	36:33	1.07	186		-	-	*			
PCB-148	*	* n	NotFnd	0.87	*		592	480	12.8			
PCB-154	4.36e+04	1.20 y	37:06	0.94	47.4		-	-	*			
13C-PCB-155	9.75e+06	1.27 y	34:09	0.98	9710					97.1	1.35e+06	1.06e+06
13C-PCB-111	1.28e+07	1.61 y	36:13	1.26	9960					99.6	1.94e+06	1.22e+06
13C-PCB-101	1.02e+07	1.67 y	34:36	-	38.3							
PCB-84	6.09e+05	1.76 y	34:16	0.65	503		-	-	*		Co-elute PCB 92	
PCB-92	6.09e+05	1.76 y	34:16	0.65	503		-	-	*		Co-elute PCB 84	
PCB-89	1.96e+04	1.66 y	34:26	0.64	16.3	J	-	-	*			
PCB-90	1.26e+06	1.55 y	34:37	0.71	947		-	-	*		Co-elute PCB 101	
PCB-101	1.26e+06	1.55 y	34:37	0.71	947		-	-	*		Co-elute PCB 90	
PCB-113	*	* n	NotFnd	0.80	*		510	456	6.93			
PCB-99	5.83e+05	1.64 y	34:55	0.82	381		-	-	*			
PCB-119	5.19e+04	1.41 y	35:21	0.93	29.7		-	-	*			
PCB-83	6.21e+04	1.44 y	35:31	0.73	45.3		-	-	*		Co-elute PCB 112	
PCB-112	6.21e+04	1.44 y	35:31	0.73	45.3		-	-	*		Co-elute PCB 83	
PCB-109	*	* n	NotFnd	0.87	*		510	456	6.32			
PCB-97	3.02e+05	1.53 y	35:50	0.63	255		-	-	*			
PCB-86	*	* n	NotFnd	0.61	*		510	456	9.01			
PCB-125	4.47e+05	1.77 y	36:07	0.84	282		-	-	*		Co-elute PCB 87/117	
PCB-87	4.47e+05	1.77 y	36:07	0.84	282		-	-	*		Co-elute PCB 125/117	
PCB-117	4.47e+05	1.77 y	36:07	0.84	282		-	-	*		Co-elute PCB 125/87	
PCB-111	2.54e+04	1.71 y	36:14	0.92	14.8	J	-	-	*		Co-elute PCB 115	
PCB-115	2.54e+04	1.71 y	36:14	0.92	14.8	J	-	-	*		Co-elute PCB 111	
PCB-85	1.79e+05	1.60 y	36:22	0.78	122		-	-	*		Co-elute PCB 116	
PCB-116	1.79e+05	1.60 y	36:22	0.78	122		-	-	*		Co-elute PCB 85	
PCB-120	*	* n	NotFnd	0.98	*		510	456	5.66			
PCB-110	1.36e+06	1.50 y	36:45	0.91	797		-	-	*			
PCB-82	9.51e+04	1.47 y	37:20	0.57	89.5		-	-	*			
PCB-124	6.56e+04	1.33 y	37:59	1.17	30.0		-	-	*			
PCB-108	9.27e+04	1.36 y	38:08	1.17	42.3		-	-	*		Co-elute PCB 107	
PCB-107	9.27e+04	1.36 y	38:08	1.17	42.3		-	-	*		Co-elute PCB 108	
PCB-123	2.12e+04	1.35 y	38:18	1.13	10.4	J	-	-	*			
13C-PCB-123	1.81e+07	1.61 y	38:16	1.42	10600					106	2.79e+06	1.71e+06
PCB-118	9.92e+05	1.60 y	38:27	1.15	444		-	-	*		Co-elute PCB 106	
PCB-106	9.92e+05	1.60 y	38:27	1.15	444		-	-	*		Co-elute PCB 118	
13C-PCB-118	1.94e+07	1.57 y	38:26	1.57	10300					103	2.74e+06	1.78e+06
PCB-114	2.89e+04	1.51 y	39:04	1.20	12.7	J	-	-	*			
13C-PCB-114	1.89e+07	1.61 y	39:04	1.55	10100					101	2.80e+06	1.70e+06
PCB-122	*	* n	NotFnd	1.21	*		756	489	5.91			
PCB-105	3.75e+05	1.55 y	39:53	1.21	168		-	-	*			
13C-PCB-105	1.85e+07	1.60 y	39:53	1.52	10100					101	2.44e+06	1.55e+06

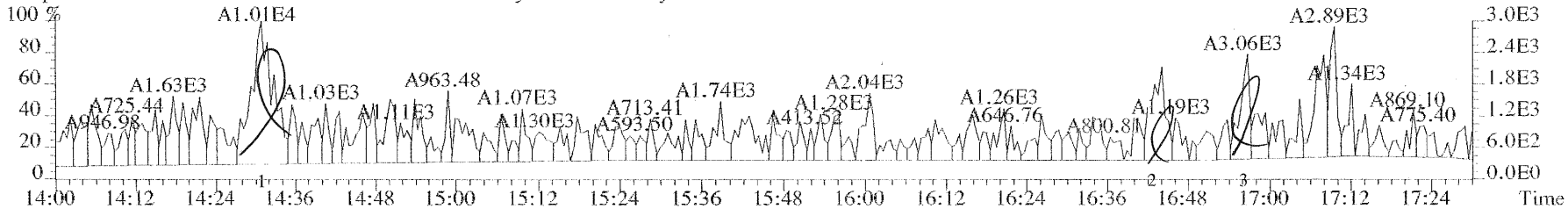
PCB-127	*	*	n	NotFnd	1.13	*		756	489	6.32				
PCB-126	*	*	n	NotFnd	1.17	*		756	489	6.79				
13C-PCB-126	1.83e+07	1.59	y	42:00	1.41	10800					108	2.40e+06	1.51e+06	
PCB-151	3.43e+05	1.33	y	37:43	1.04	233		-	-	*				
PCB-135	1.72e+05	1.24	y	37:56	1.03	119		-	-	*				
PCB-144	7.98e+04	1.07	y	38:03	1.08	52.6		-	-	*				
PCB-147	4.09e+04	1.08	y	38:09	1.10	26.4		-	-	*				
PCB-139	1.18e+06	1.25	y	38:24	1.11	751		-	-	*		Co-elute PCB 149		
PCB-149	1.18e+06	1.25	y	38:24	1.11	751		-	-	*		Co-elute PCB 139		
PCB-140	2.25e+04	1.14	y	38:32	1.12	14.2	J	-	-	*				
PCB-143	6.84e+04	1.31	y	39:02	0.95	51.3		-	-	*		Co-elute PCB 134		
PCB-134	6.84e+04	1.31	y	39:02	0.95	51.3		-	-	*		Co-elute PCB 143		
PCB-131	3.54e+04	1.06	y	39:17	0.95	26.4		-	-	*		Co-elute PCB 133		
PCB-133	3.54e+04	1.06	y	39:17	0.95	26.4		-	-	*		Co-elute PCB 131		
PCB-142	1.30e+06	1.20	y	39:27	0.96	959		-	-	*				
PCB-165	2.08e+05	1.21	y	39:38	1.24	118		-	-	*		Co-elute PCB 146		
PCB-146	2.08e+05	1.21	y	39:38	1.24	118		-	-	*		Co-elute PCB 165		
PCB-161	4.11e+05	1.28	y	39:55	1.17	250		-	-	*		Co-elute PCB 132		
PCB-132	4.11e+05	1.28	y	39:55	1.17	250		-	-	*		Co-elute PCB 161		
PCB-153	1.25e+06	1.22	y	40:01	1.25	708		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		789	654	7.95				
PCB-141	1.77e+05	1.18	y	40:42	1.06	118		-	-	*				
PCB-137	3.84e+04	1.06	y	41:05	1.05	25.8		-	-	*				
PCB-130	5.73e+04	1.19	y	41:10	0.94	43.2		-	-	*				
PCB-138	1.09e+06	1.29	y	41:32	1.24	620		-	-	*		Co-elute PCB 163/164		
PCB-163	1.09e+06	1.29	y	41:32	1.24	620		-	-	*		Co-elute PCB 138/164		
PCB-164	1.09e+06	1.29	y	41:32	1.24	620		-	-	*		Co-elute PCB 138/163		
PCB-158	1.27e+05	1.21	y	41:45	1.38	65.3		-	-	*		Co-elute PCB 160		
PCB-160	1.27e+05	1.21	y	41:45	1.38	65.3		-	-	*		Co-elute PCB 158		
PCB-129	3.66e+04	1.06	y	42:00	0.90	28.7		-	-	*				
PCB-166	*	*	n	NotFnd	1.34	*		789	654	8.17				
PCB-159	4.25e+04	1.28	y	42:46	1.39	21.7		-	-	*				
PCB-128	1.38e+05	1.29	y	43:01	1.16	84.2		-	-	*		Co-elute PCB 162		
PCB-162	1.38e+05	1.29	y	43:01	1.16	84.2		-	-	*		Co-elute PCB 128		
PCB-167	3.14e+04	1.10	y	43:22	1.26	17.5	J	-	-	*				
13C-PCB-167	1.43e+07	1.28	y	43:20	1.13	10400					104	1.81e+06	1.39e+06	
PCB-156	7.85e+04	1.09	y	44:36	1.32	43.5		-	-	*				
13C-PCB-156	1.37e+07	1.32	y	44:34	1.08	10500					105	1.86e+06	1.39e+06	
PCB-157	*	*	n	NotFnd	1.27	*		789	654	9.16				
13C-PCB-157	1.42e+07	1.30	y	44:49	1.10	10700					107	1.77e+06	1.34e+06	
PCB-169	*	*	n	NotFnd	1.23	*		789	654	8.00				
13C-PCB-169	1.42e+07	1.25	y	46:43	1.04	11400					114	2.06e+06	1.62e+06	

FAL ID: 13372-003-0001-SA Filename: 16OCT20Z Sam:9 Acquired: 16-OCT-20 15:35:38 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR+AC-S010-DEP ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

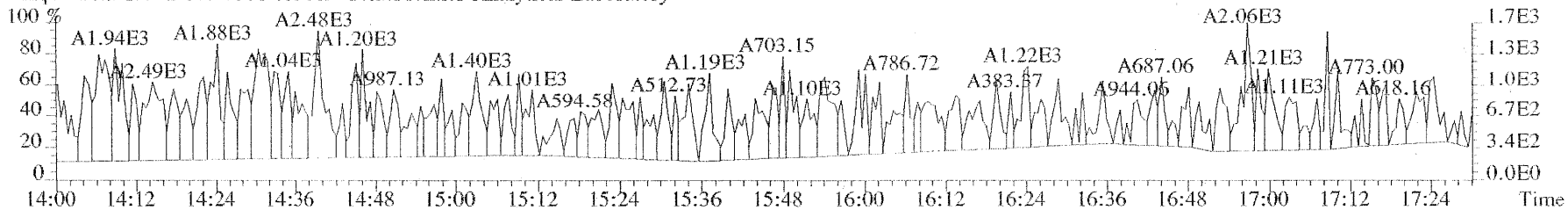
PCB-188	3.57e+04	1.14	y	39:40	1.20	30.4		-	-	*		
13C-PCB-188	9.76e+06	1.10	y	39:38	0.90	9000					90.0	1.20e+06	1.12e+06
PCB-184	8.60e+06	1.07	y	40:06	1.35	6670		-	-	*		
PCB-179	1.26e+05	1.05	y	40:49	1.32	99.5		-	-	*		
PCB-176	4.62e+04	1.06	y	41:15	1.27	38.1		-	-	*		
PCB-186	*	*	n	NotFnd	1.26	*		440	424	6.76		
PCB-178	4.44e+04	1.19	y	42:18	0.91	50.9		-	-	*		
PCB-175	*	*	n	NotFnd	0.95	*		440	424	8.89		
PCB-187	2.36e+05	1.16	y	42:47	1.02	242		-	-	*	Co-elute PCB 182	
PCB-182	2.36e+05	1.16	y	42:47	1.02	242		-	-	*	Co-elute PCB 187	
PCB-183	1.15e+05	1.03	y	43:06	1.02	118		-	-	*		
PCB-185	2.23e+04	1.12	y	43:45	0.94	24.8		-	-	*		
PCB-174	1.58e+05	1.20	y	44:03	1.00	166		-	-	*		
PCB-181	*	*	n	NotFnd	0.88	*		440	424	9.61		
PCB-177	9.07e+04	0.99	y	44:20	0.86	110		-	-	*		
PCB-171	4.70e+04	1.11	y	44:36	0.93	53.0		-	-	*		
PCB-173	*	*	n	NotFnd	0.83	*		440	424	10.3		
PCB-172	1.48e+05	1.15	y	45:22	0.85	182		-	-	*		
PCB-192	5.89e+06	1.09	y	45:34	1.12	5490		-	-	*		
PCB-180	2.37e+05	1.14	y	45:45	0.88	281		-	-	*		
PCB-193	2.47e+04	1.11	y	45:55	1.21	21.4		-	-	*		
PCB-191	*	*	n	NotFnd	1.16	*		440	424	7.34		
PCB-170	9.77e+04	1.11	y	47:03	0.88	116		-	-	*		
PCB-190	3.00e+04	1.06	y	47:12	1.14	27.6		-	-	*		
PCB-189	*	*	n	NotFnd	1.20	*		440	424	6.36		
13C-PCB-189	9.38e+06	1.08	y	48:23	0.74	10600					106	1.47e+06	1.36e+06
PCB-202	*	*	n	NotFnd	1.12	*		300	310	9.00		
PCB-201	*	*	n	NotFnd	1.28	*		300	310	7.91		
PCB-204	1.05e+07	0.92	y	45:22	1.24	13300		-	-	*		
PCB-197	5.64e+04	0.87	y	45:37	1.29	68.9		-	-	*		
PCB-200	*	*	n	NotFnd	1.28	*		300	310	7.91		
PCB-198	*	*	n	NotFnd	0.96	*		300	310	10.5		
PCB-199	2.68e+04	0.89	y	47:39	0.93	45.5		-	-	*		
PCB-203	2.83e+04	0.89	y	47:54	0.98	45.3		-	-	*	Co-elute PCB 196	
PCB-196	2.83e+04	0.89	y	47:54	0.98	45.3		-	-	*	Co-elute PCB 203	
13C-PCB-202	6.35e+06	0.92	y	44:46	0.55	9510					95.1	7.26e+05	7.81e+05
13C-PCB-178	7.15e+06	1.10	y	42:16	0.66	8970					89.7	9.28e+05	8.38e+05
13C-PCB-138	1.21e+07	1.32	y	41:30	-	40.0							
PCB-195	*	*	n	NotFnd	0.91	*		760	690	6.99		
PCB-194	5.18e+04	0.89	y	49:48	0.93	33.9		-	-	*		
PCB-205	*	*	n	NotFnd	1.14	*		760	690	5.56		
13C-PCB-205	1.64e+07	0.88	y	50:02	1.24	10500					105	2.68e+06	3.05e+06
PCB-208	*	*	n	NotFnd	1.13	*		492	680	5.49		
13C-PCB-208	1.39e+07	0.81	y	49:07	1.08	10200					102	2.14e+06	2.57e+06
PCB-207	7.66e+04	1.32	y	49:25	1.31	49.3		-	-	*		
PCB-206	1.90e+04	1.49	y	51:15	1.17	16.4	J	-	-	*		
13C-PCB-206	9.91e+06	0.81	y	51:14	0.77	10200					102	1.47e+06	1.78e+06
PCB-209	8.80e+04	1.29	y	52:26	1.27	75.1		-	-	*		
13C-PCB-209	9.26e+06	1.23	y	52:24	0.73	10000					100.0	1.52e+06	1.28e+06
13C-PCB-194	1.26e+07	0.92	y	49:48	-	40.7							

Analyst: _____ Date: 10/19/20

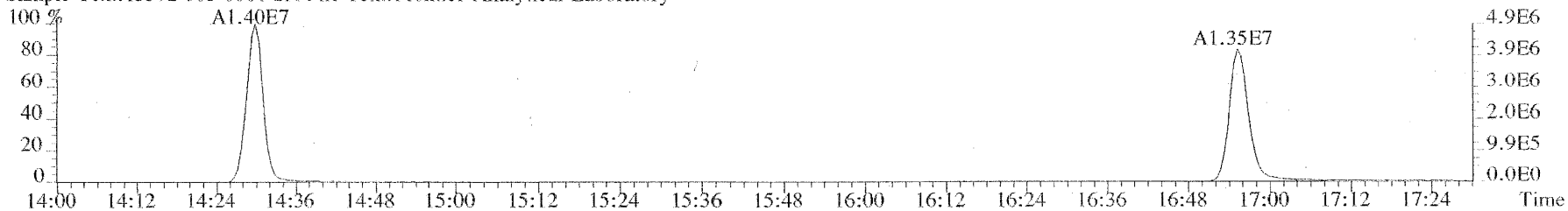
File:16OCT20Z #1-783 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



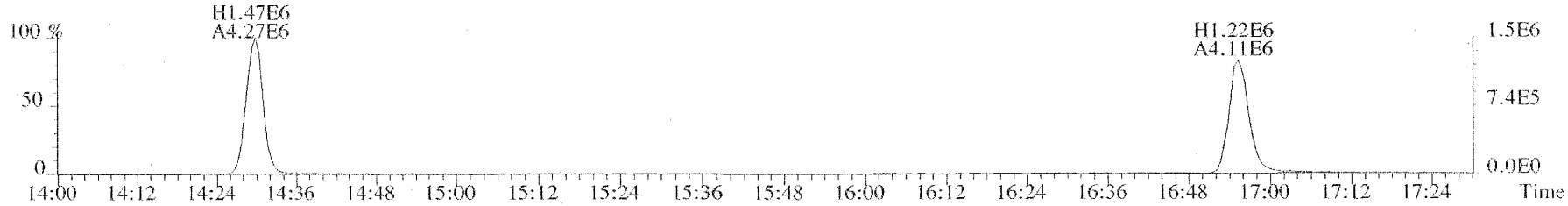
File:16OCT20Z #1-783 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



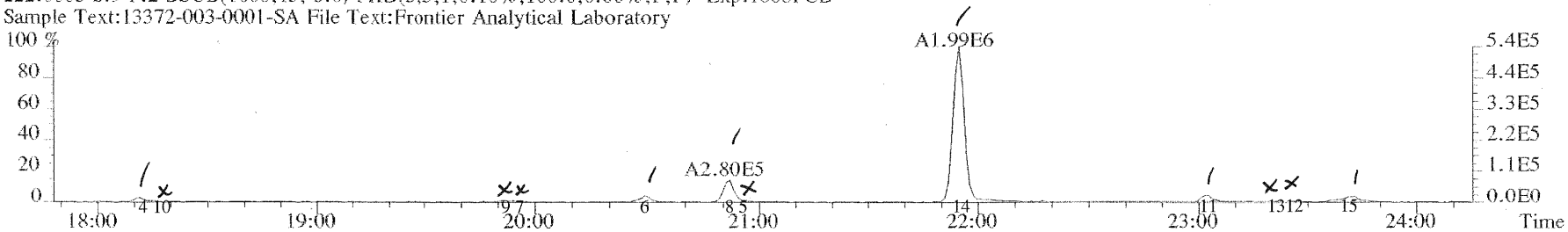
File:16OCT20Z #1-783 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



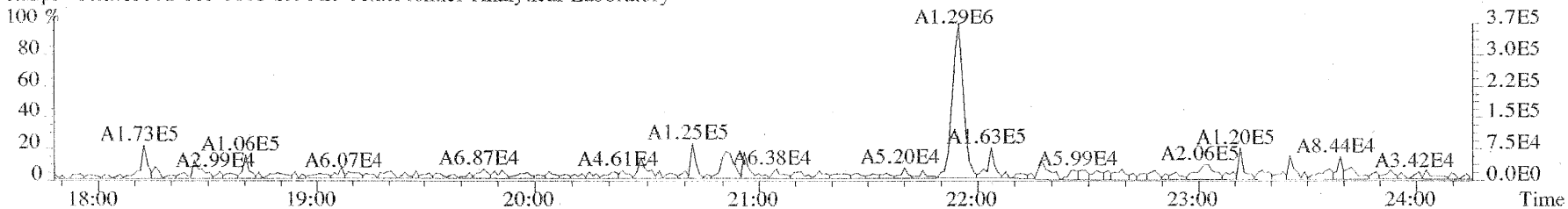
File:16OCT20Z #1-783 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



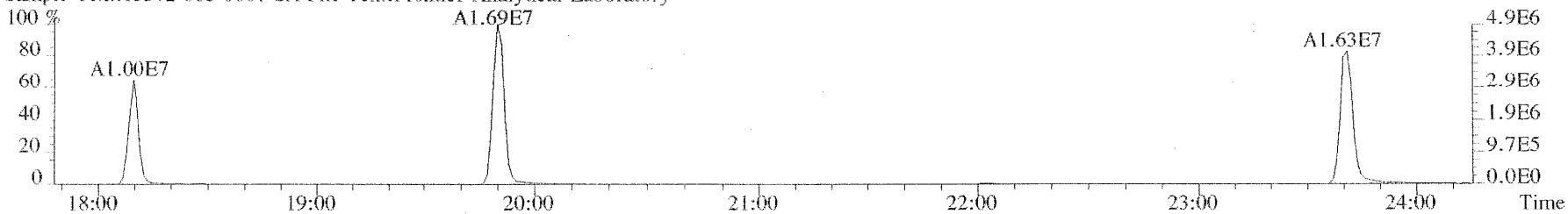
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



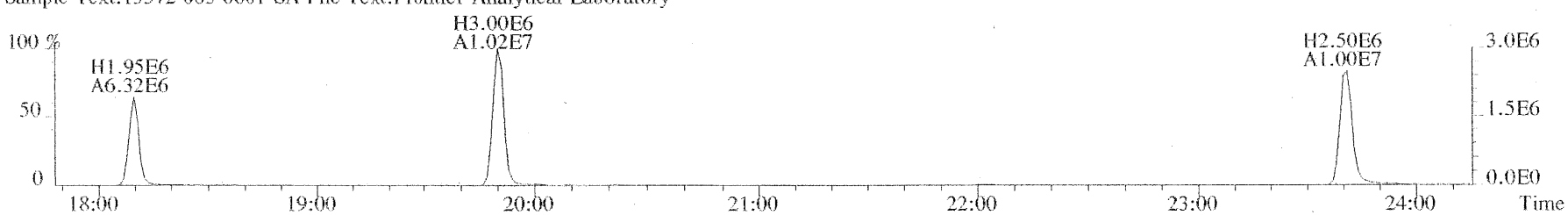
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



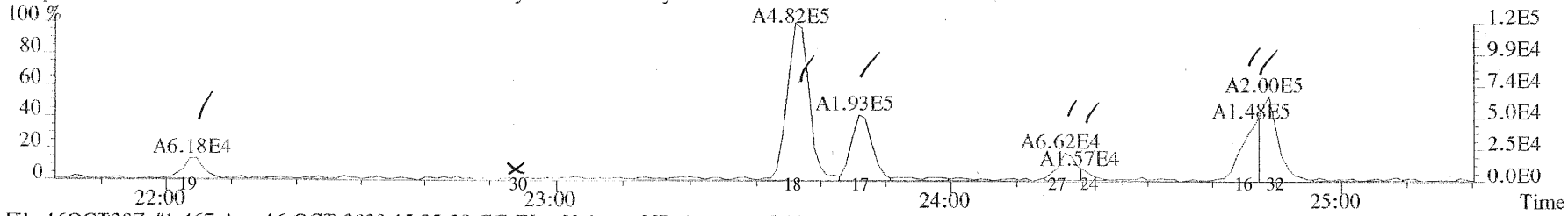
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



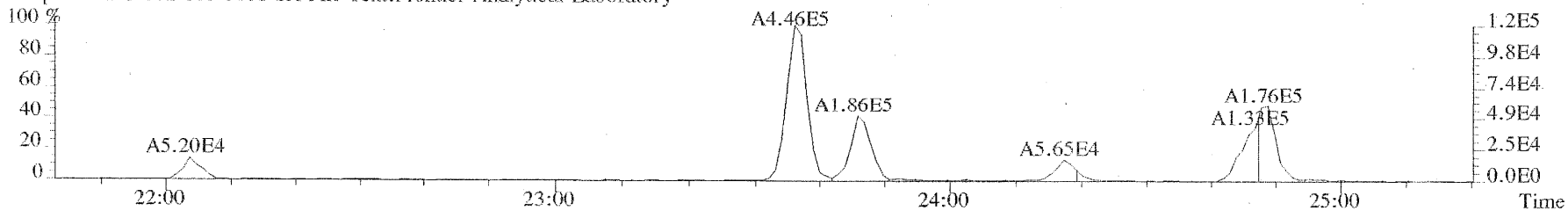
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



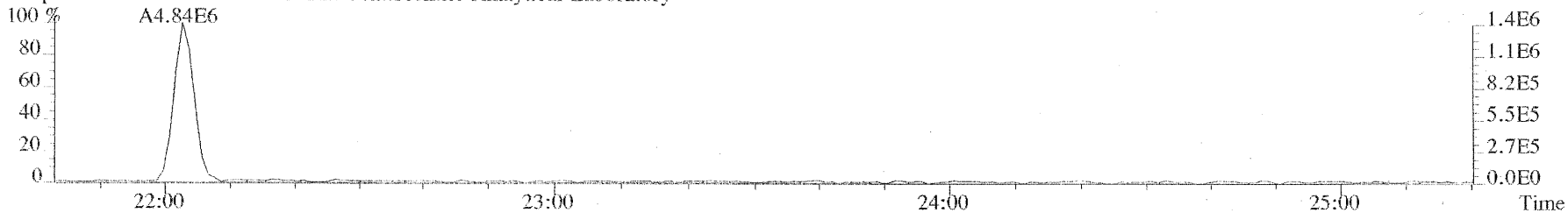
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



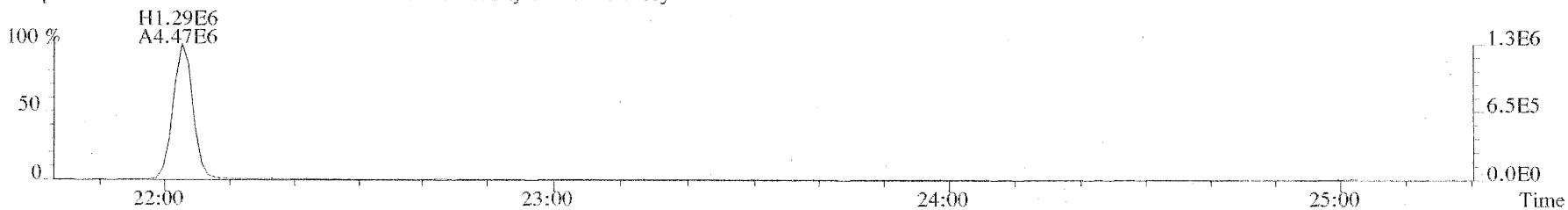
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



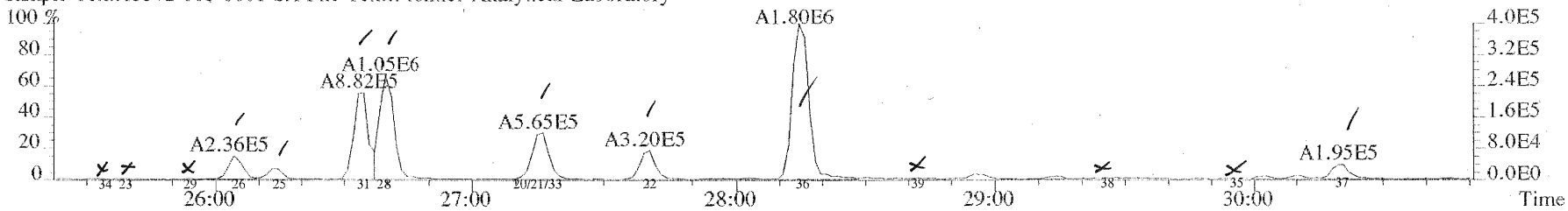
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



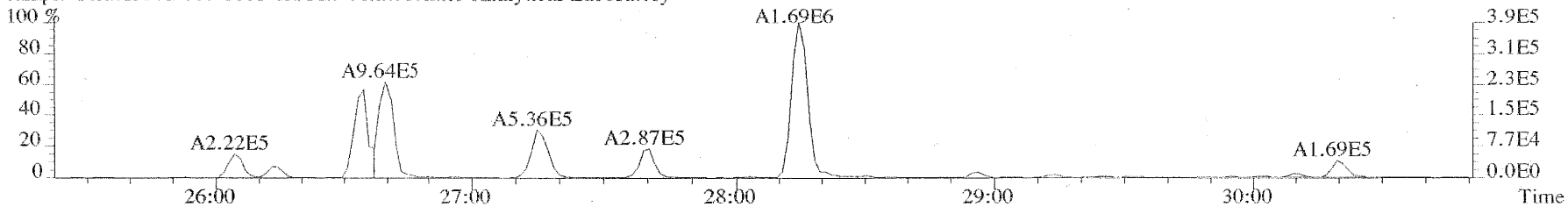
File:16OCT20Z #1-467 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



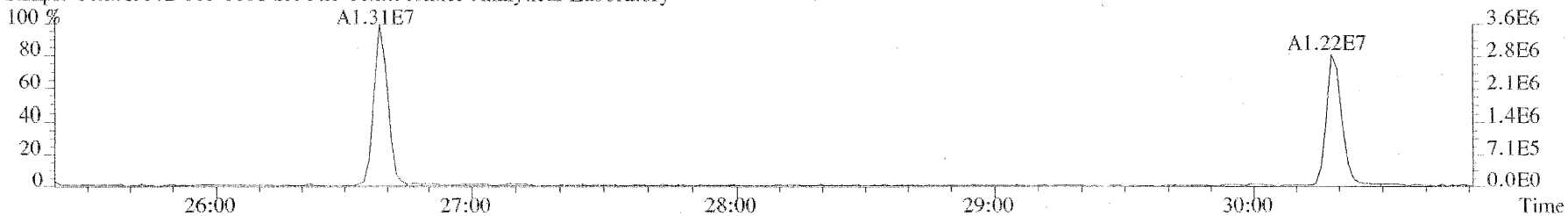
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



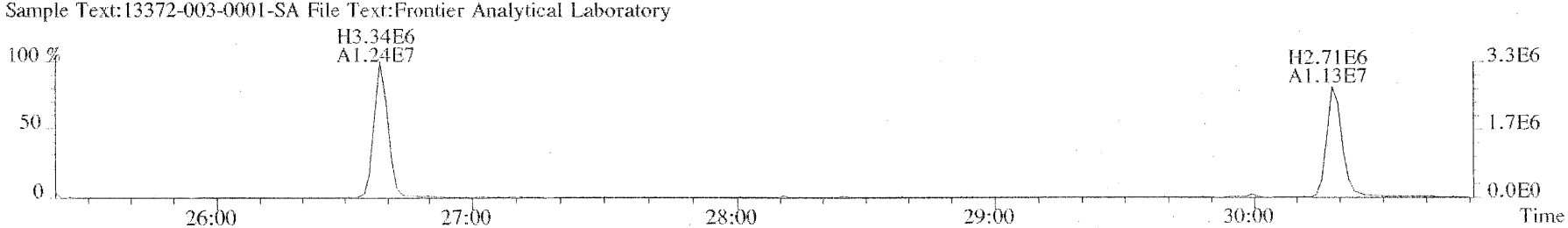
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



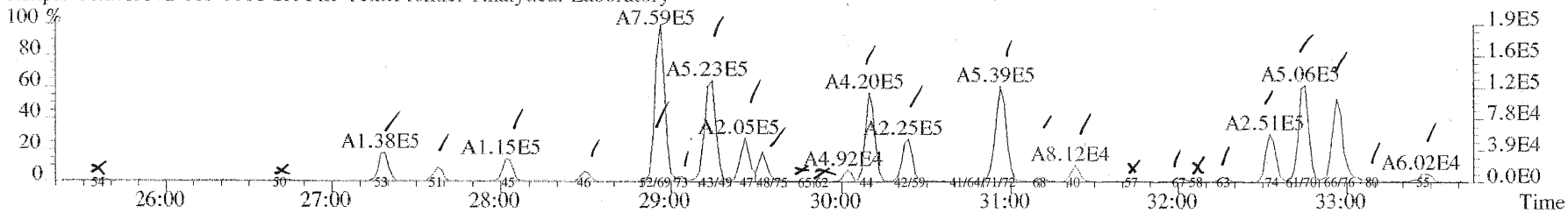
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



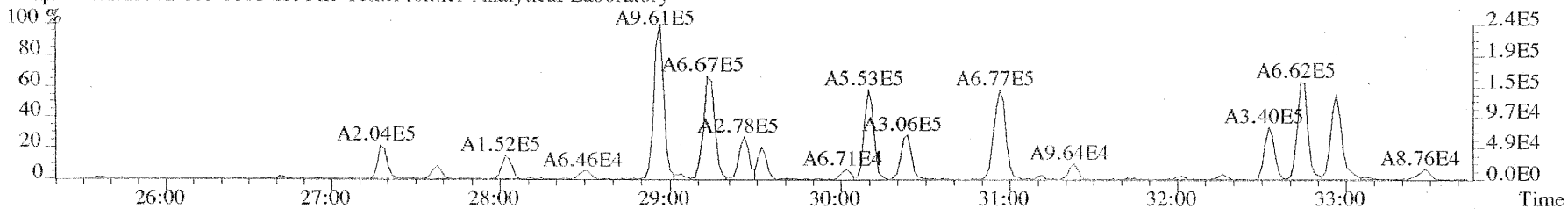
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



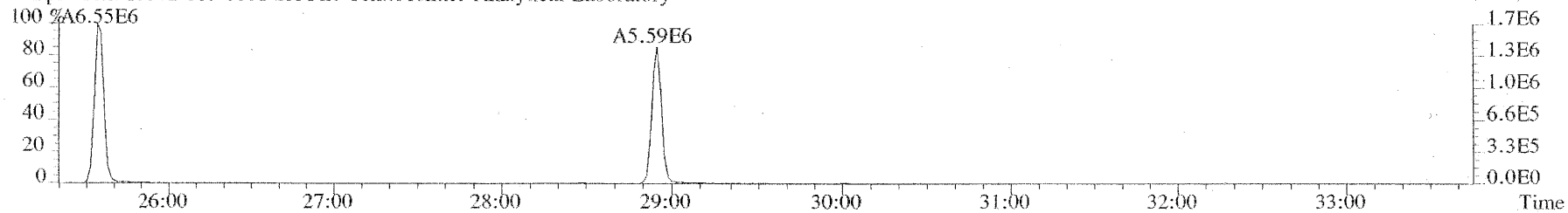
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



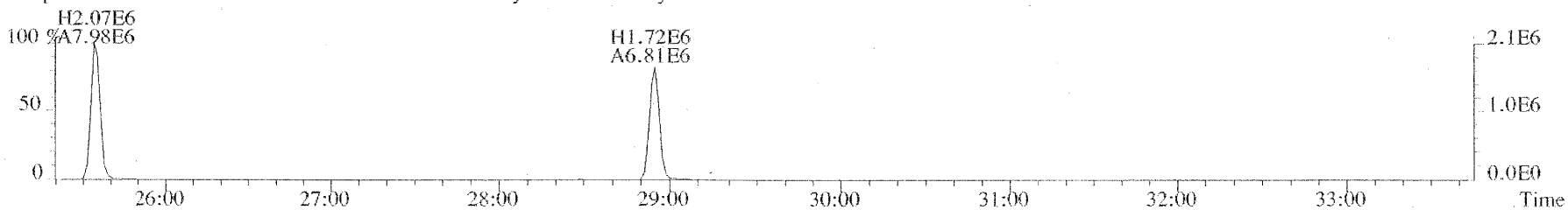
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



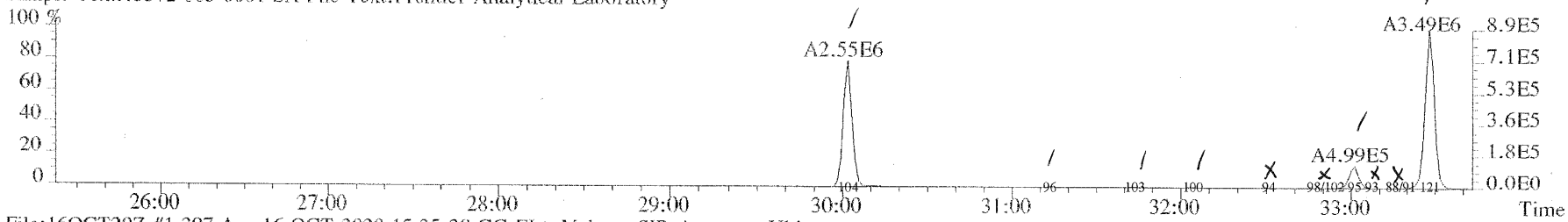
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



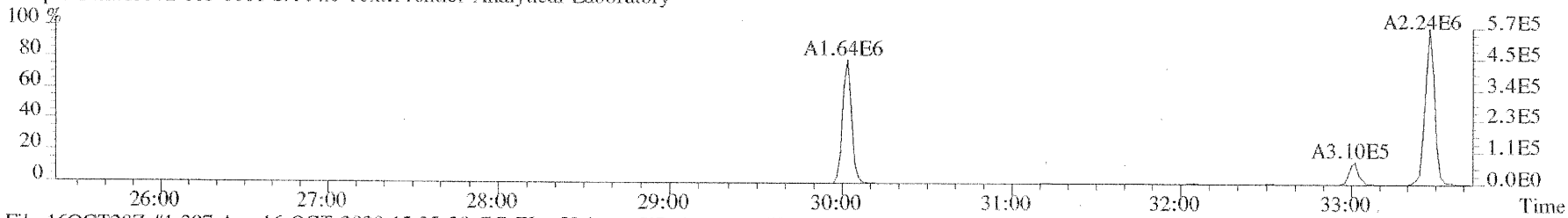
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



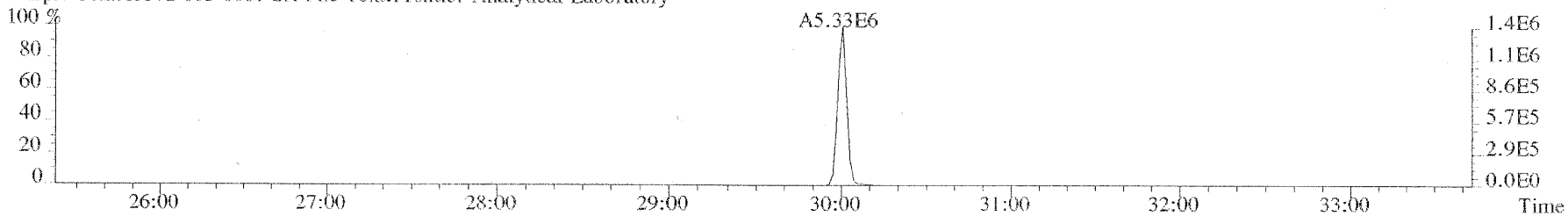
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



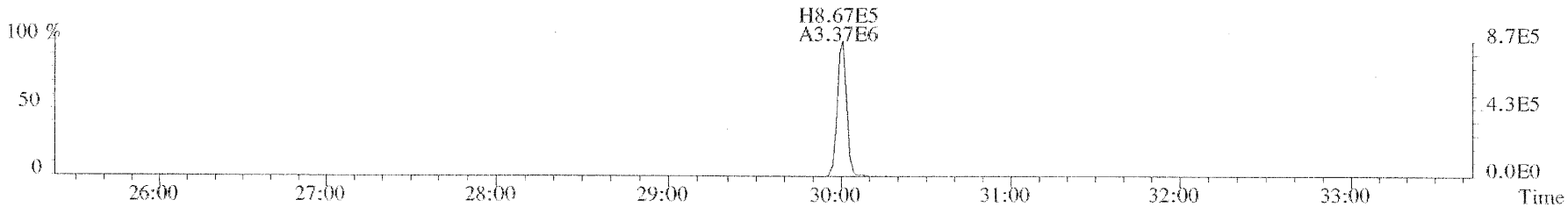
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



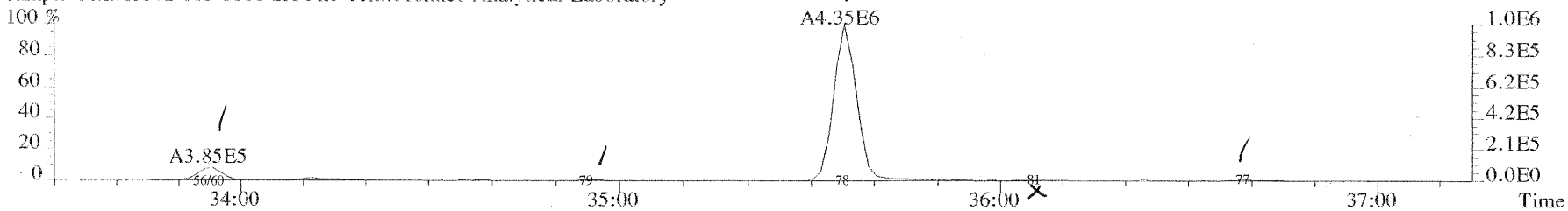
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



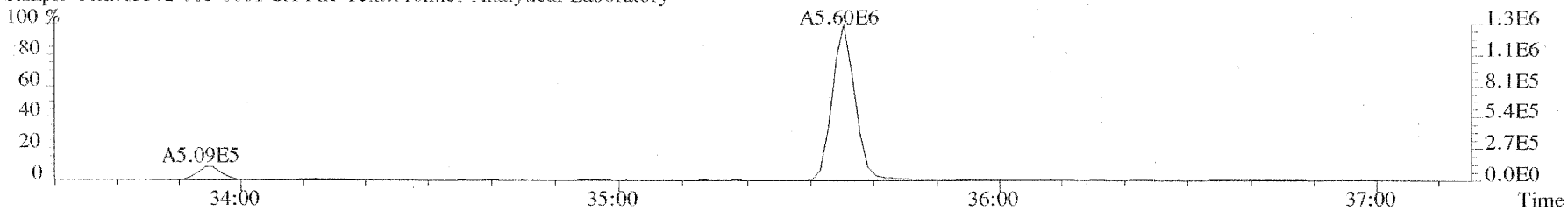
File:16OCT20Z #1-397 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



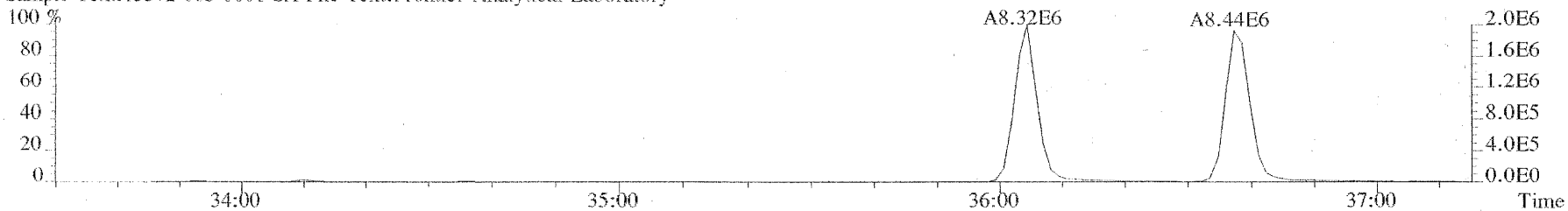
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



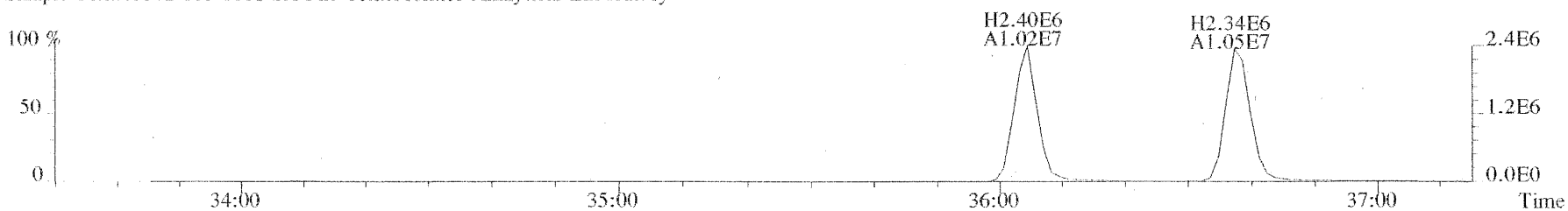
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



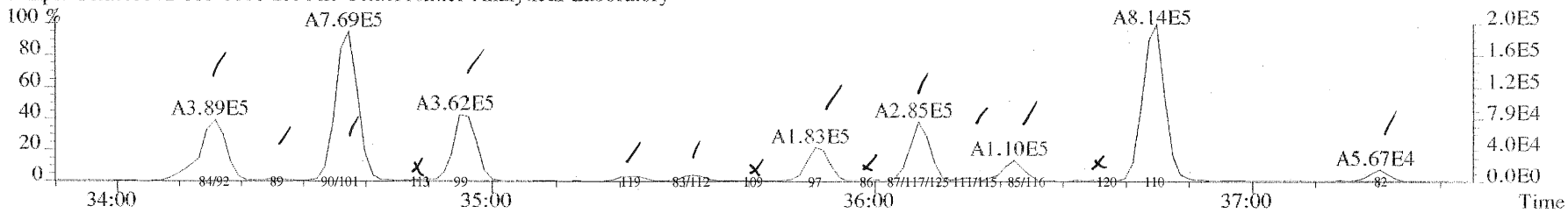
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



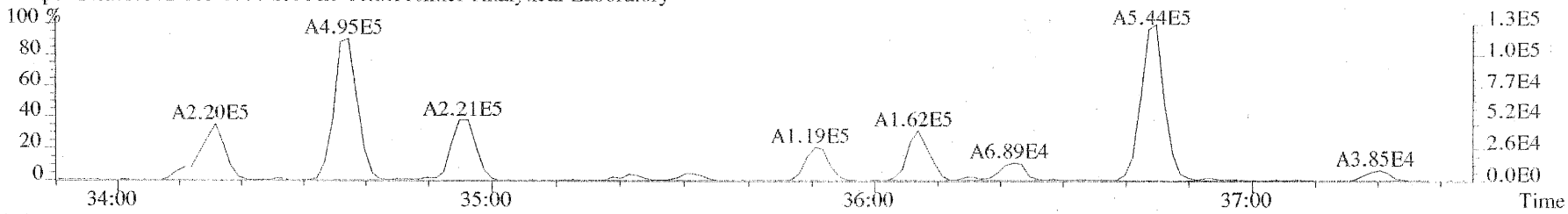
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



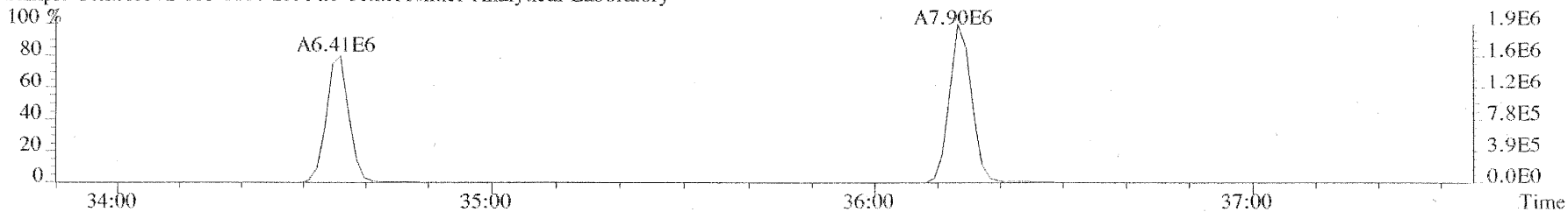
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



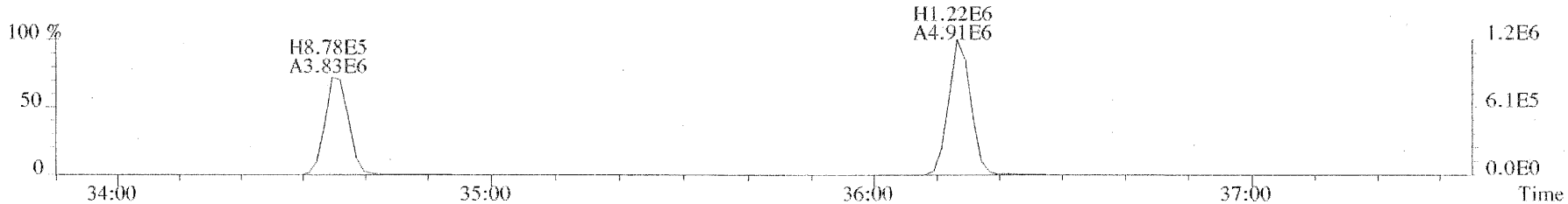
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



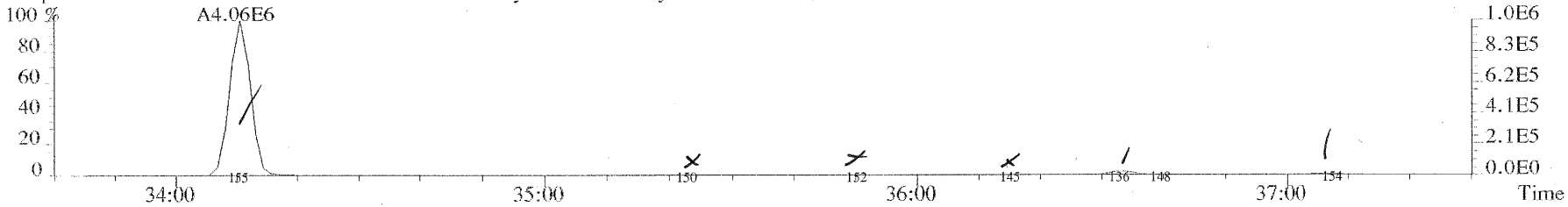
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



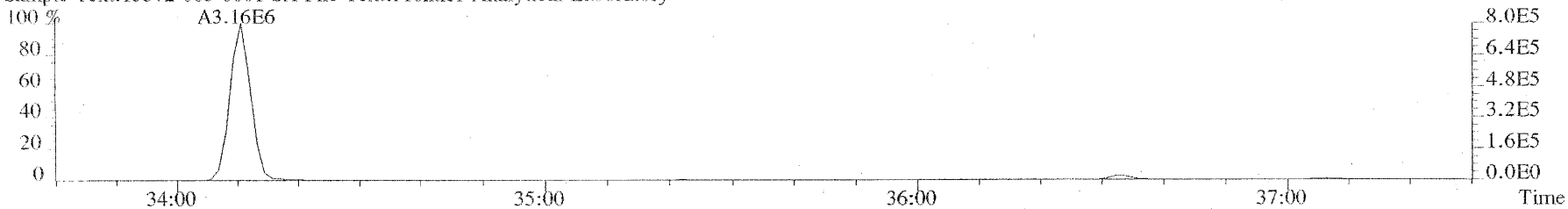
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



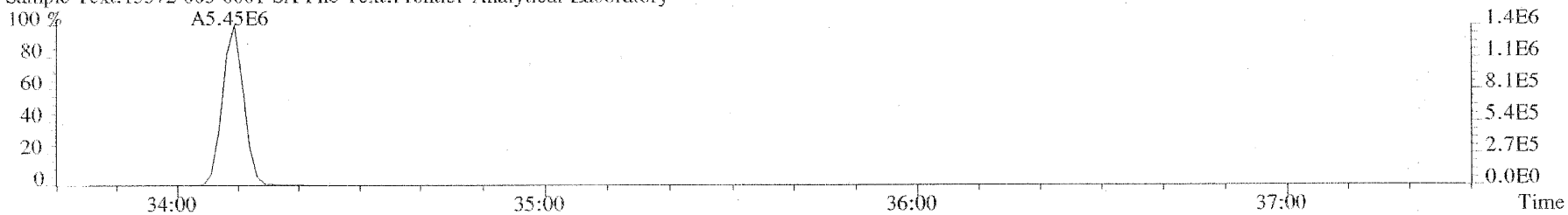
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



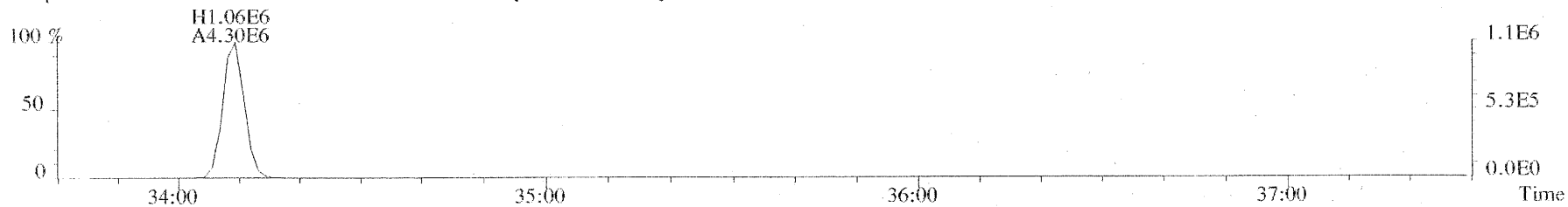
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



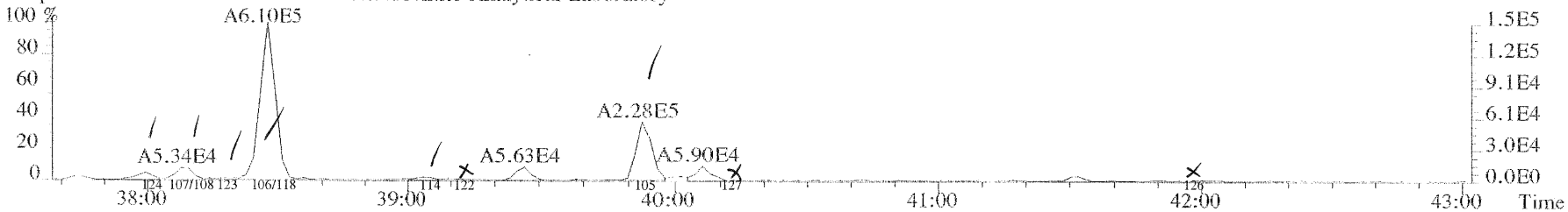
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



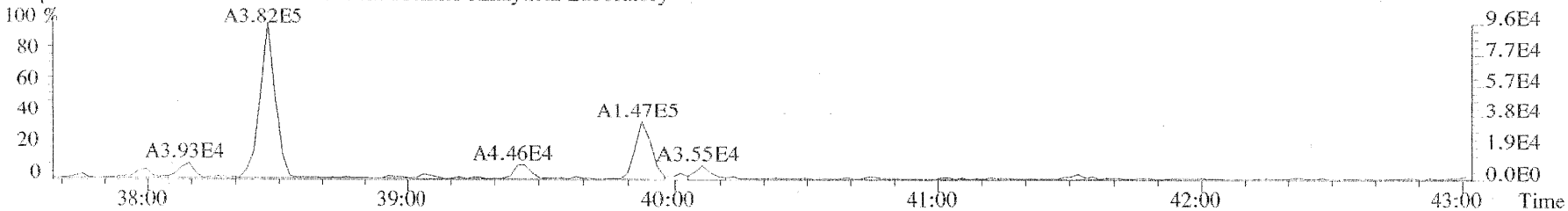
File:16OCT20Z #1-183 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



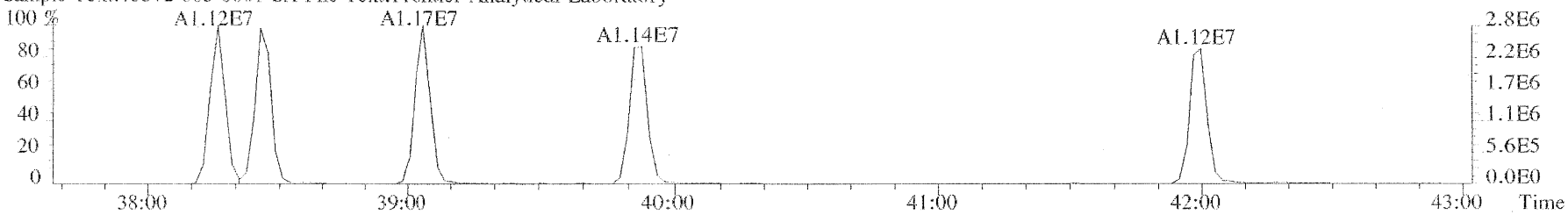
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



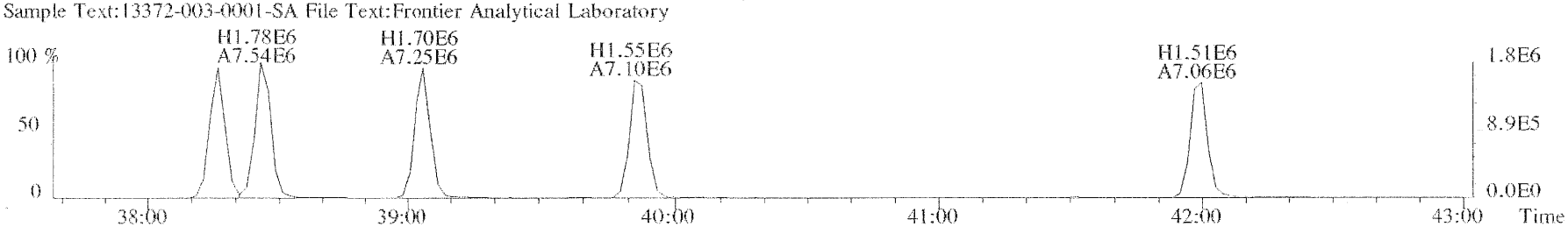
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



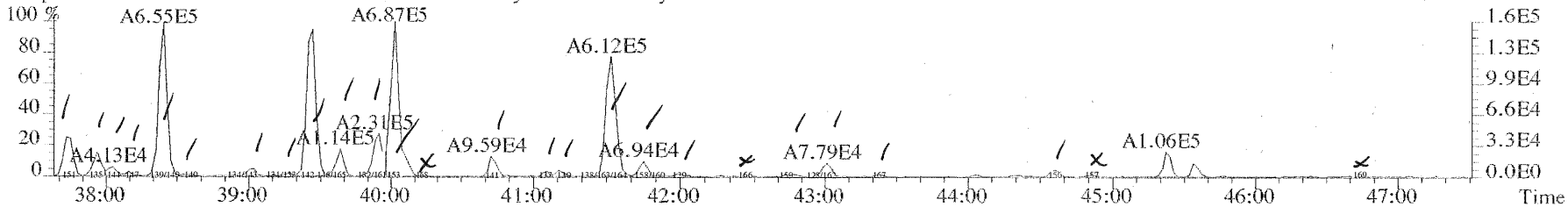
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



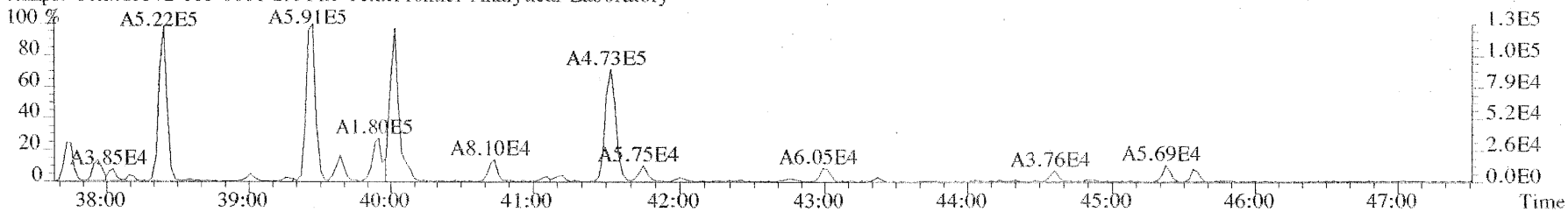
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



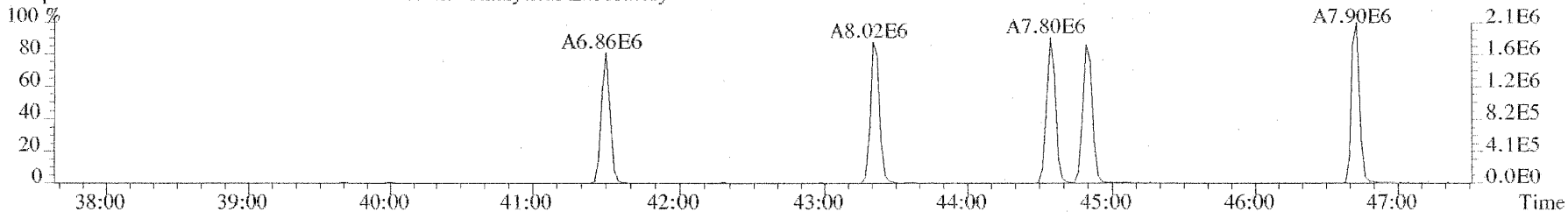
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



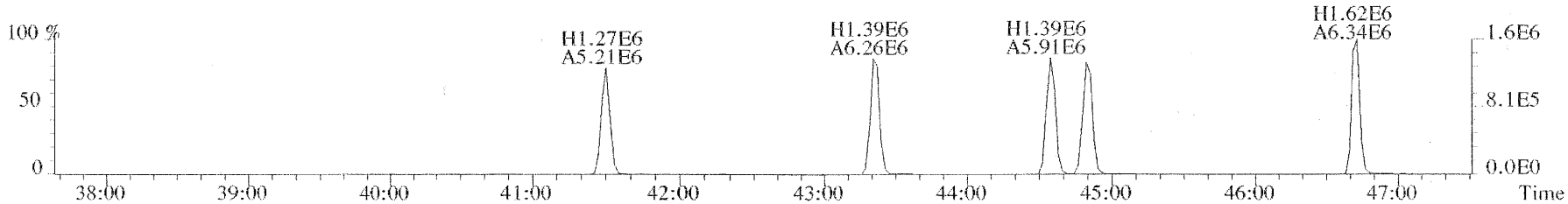
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



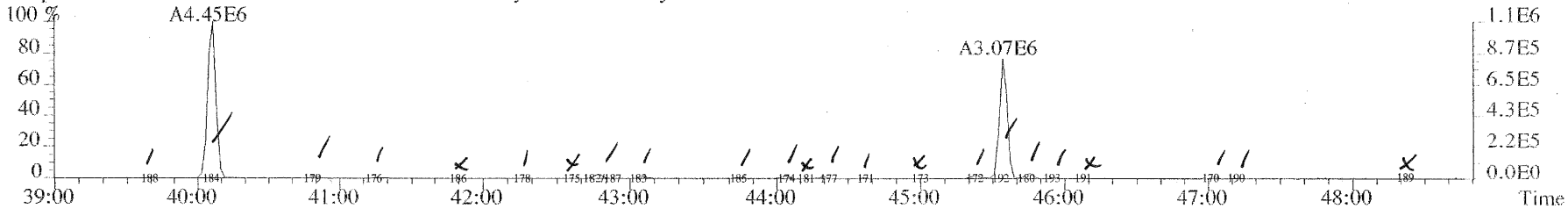
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



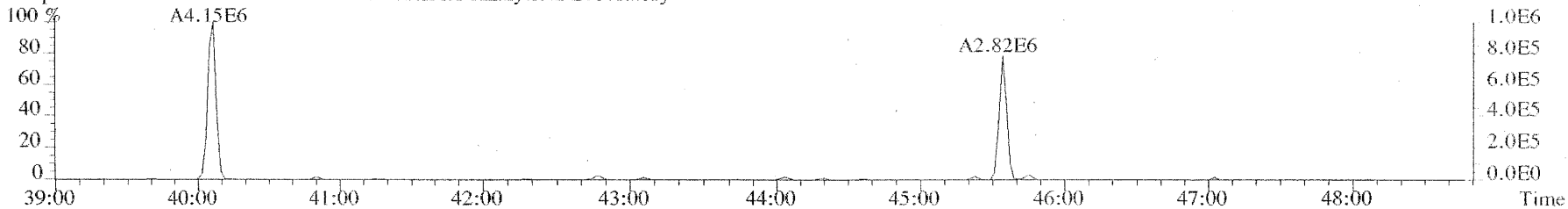
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



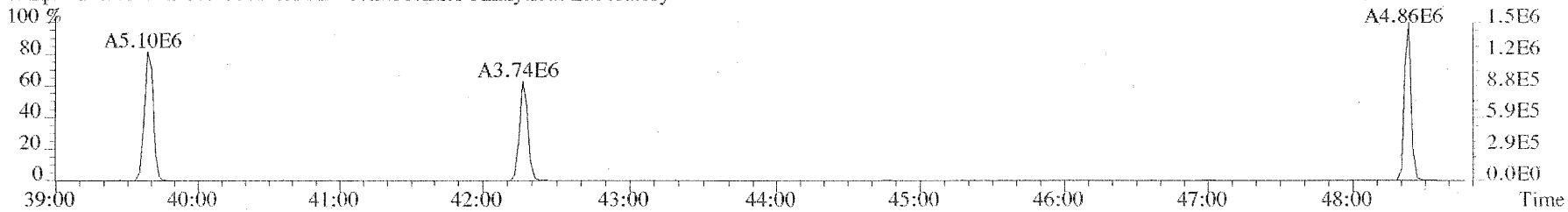
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



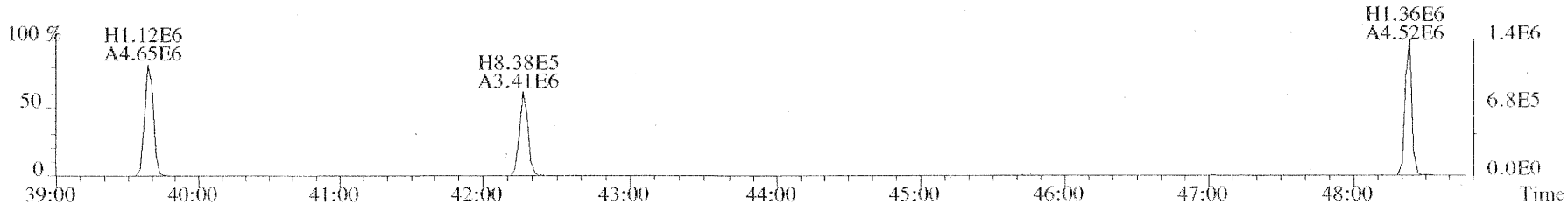
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



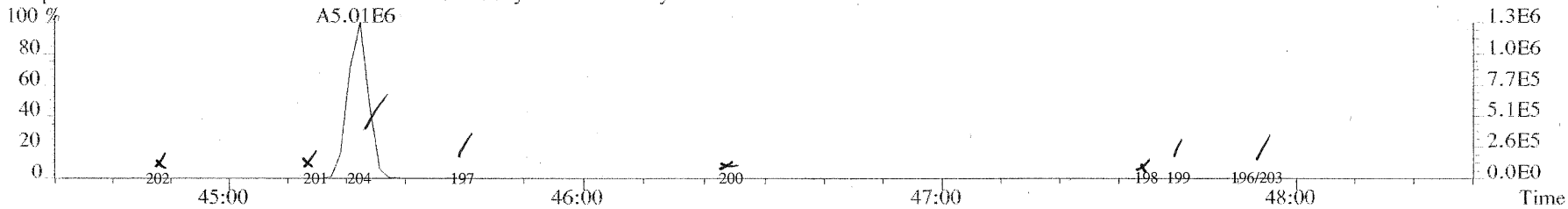
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



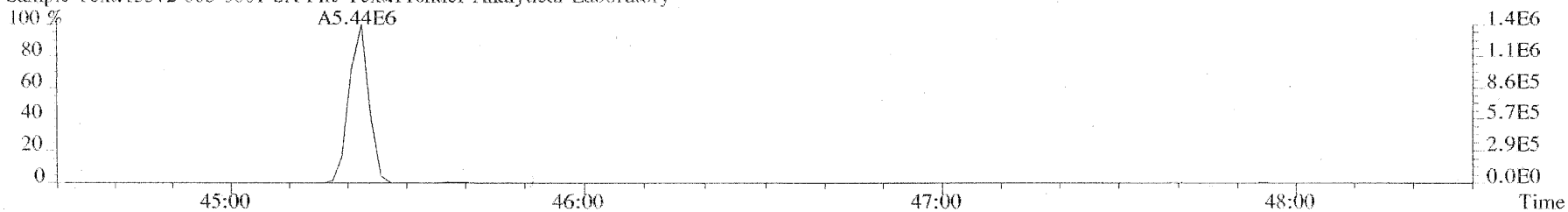
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



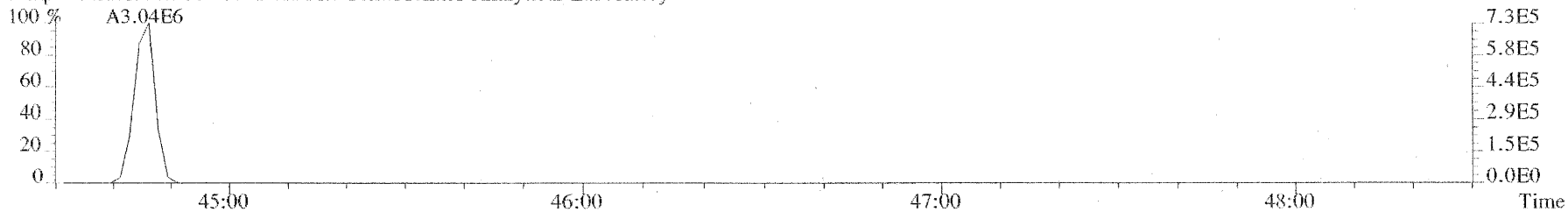
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



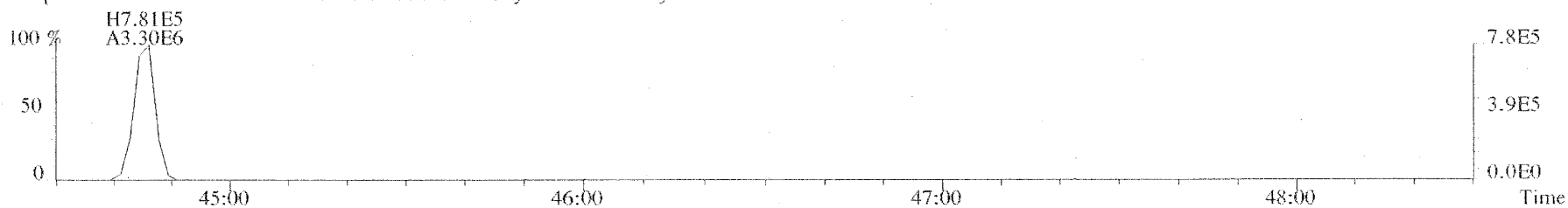
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



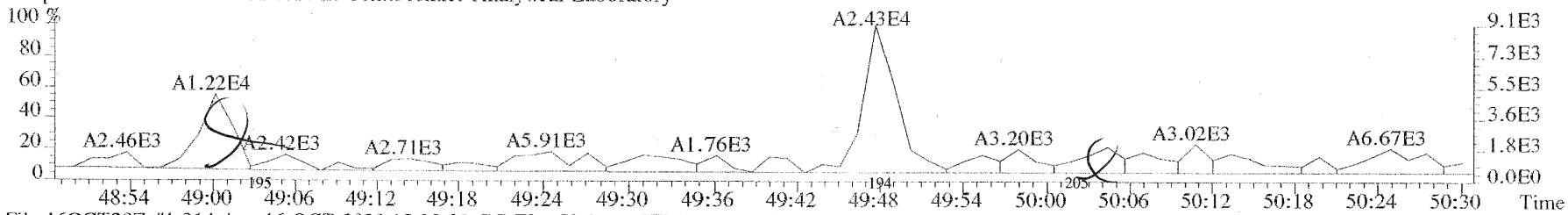
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



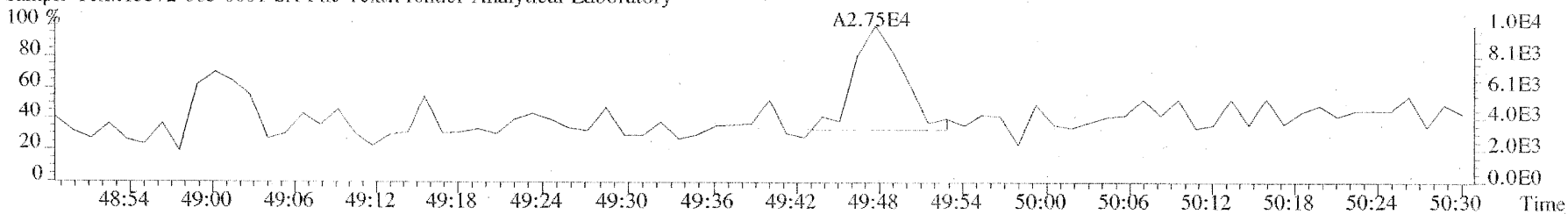
File:16OCT20Z #1-407 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



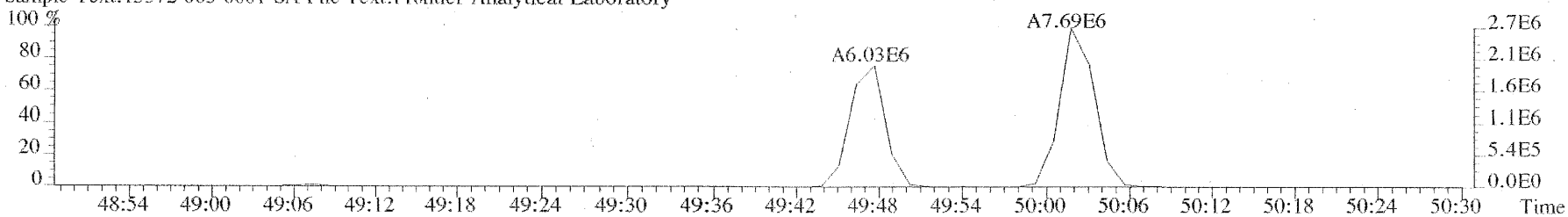
File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



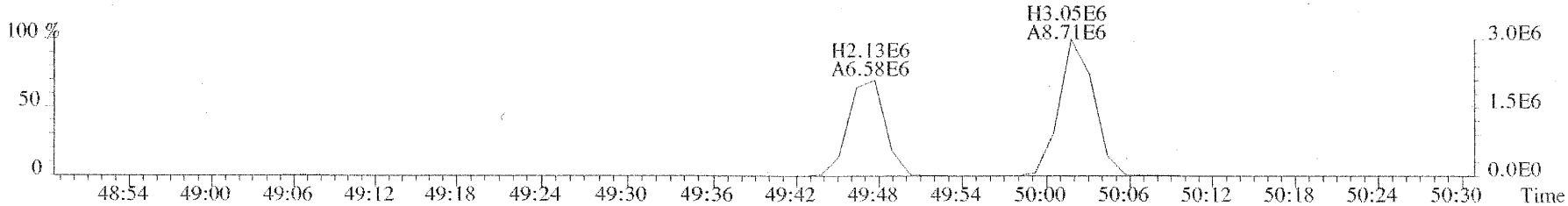
File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 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:13372-003-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 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:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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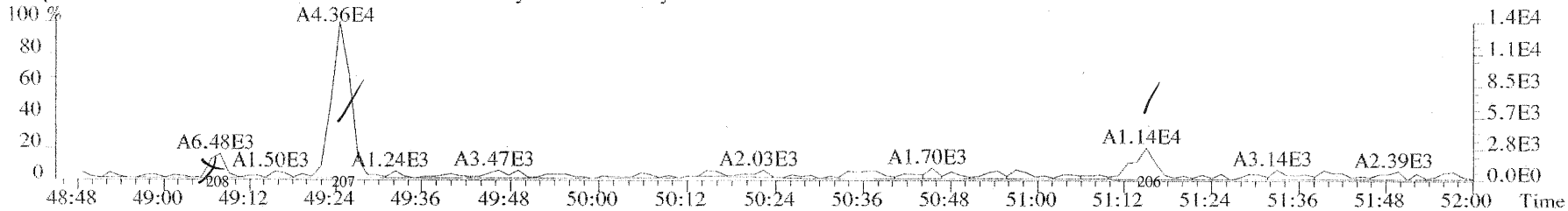
463.7216 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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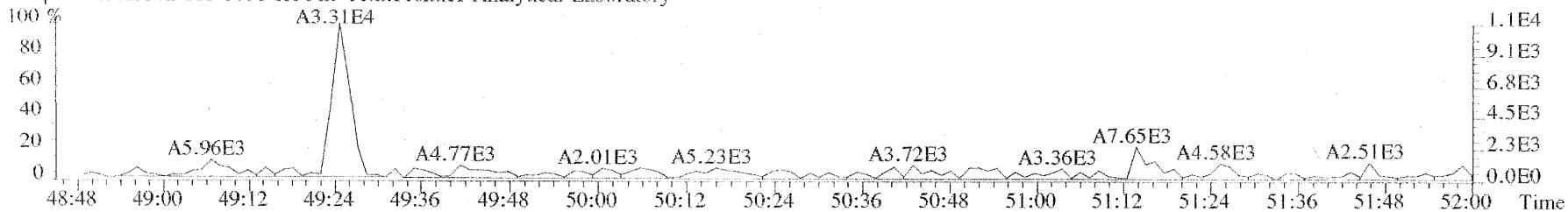
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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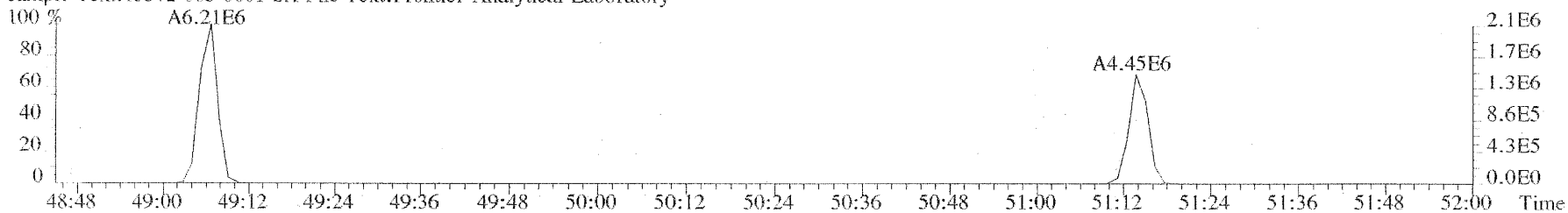
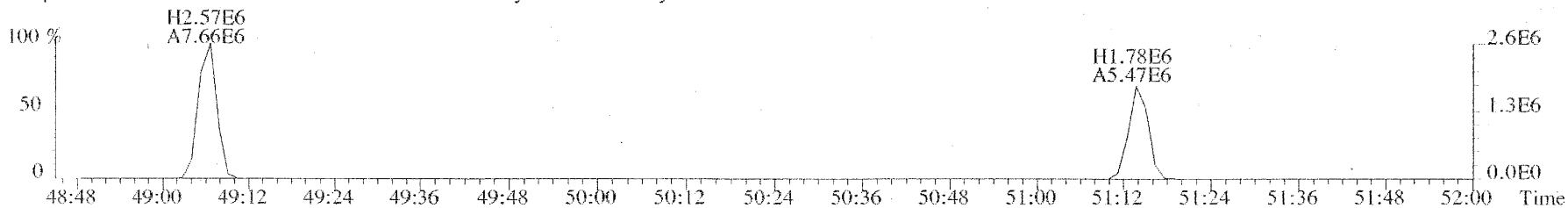
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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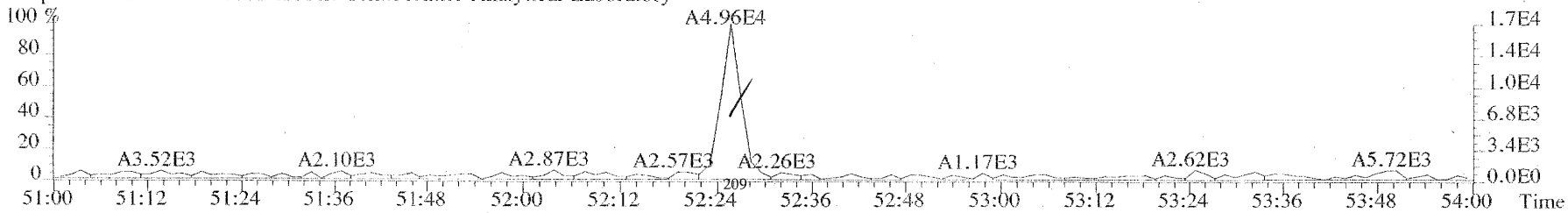
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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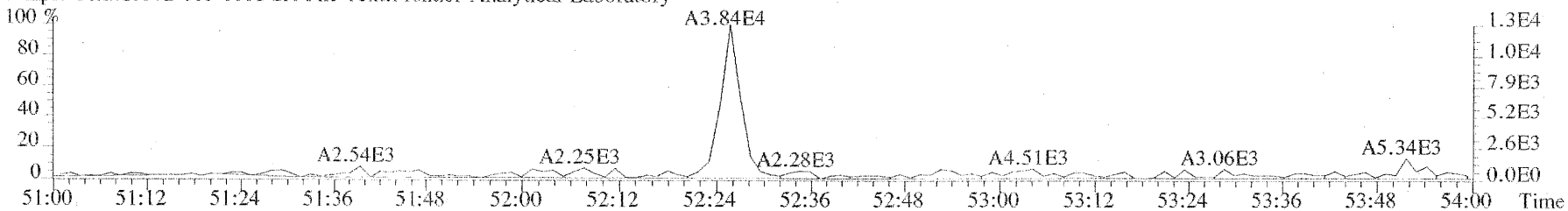
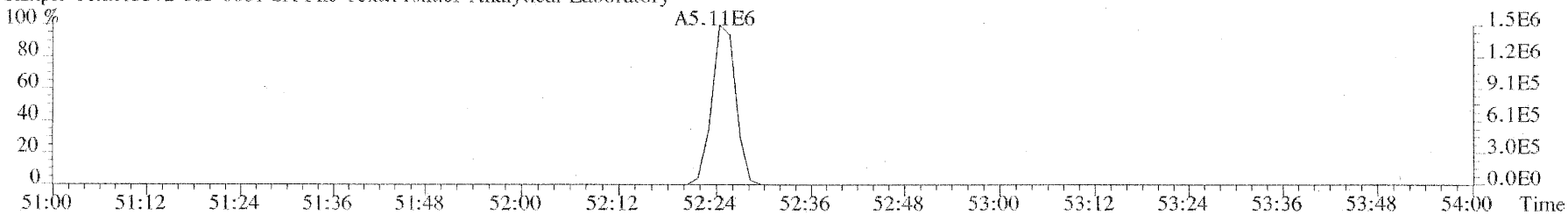
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 15:35:38 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:13372-003-0001-SA File Text:Frontier Analytical Laboratory



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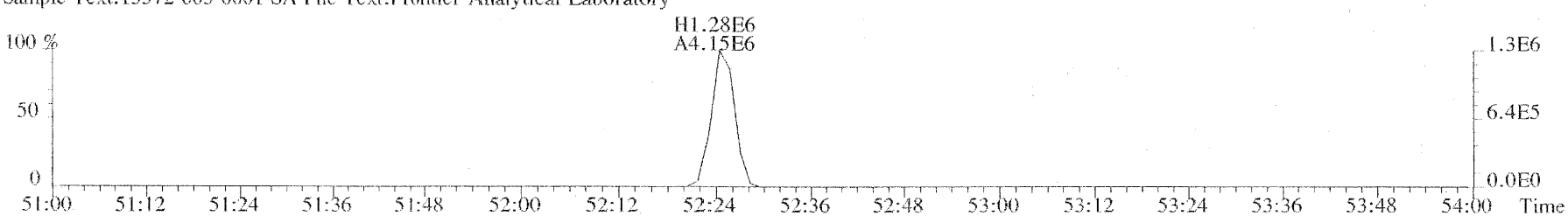
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-004-0001-SA Filename: 16OCT20Z Sam:10 Acquired: 16-OCT-20 16:33:59 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CA-S010 ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.48	*		1030	820	3.79			
13C-PCB-1	2.35e+07	3.28	y	14:30	0.70	9410					94.1	6.32e+06	1.92e+06
PCB-2	*	*	n	NotFnd	1.48	*		1030	820	4.11			
PCB-3	*	*	n	NotFnd	1.47	*		1030	820	4.46			
13C-PCB-3	2.26e+07	3.20	y	16:55	0.68	9290					92.9	5.50e+06	1.64e+06
PCB-4	2.37e+05	1.56	y	18:11	1.02	110		-	-	*			
PCB-10	*	*	n	NotFnd	1.54	*		840	2600	7.41			
13C-PCB-4	2.12e+07	1.61	y	18:10	0.67	8870					88.7	4.09e+06	2.58e+06
PCB-9	*	*	n	NotFnd	1.40	*		840	2600	8.15			
PCB-7	*	*	n	NotFnd	1.47	*		840	2600	7.78			
PCB-6	2.24e+05	1.39	y	20:29	1.39	60.0		-	-	*			
PCB-8	9.26e+05	1.36	y	20:51	1.40	246		-	-	*			
PCB-5	*	*	n	NotFnd	1.44	*		840	2600	7.94			
PCB-14	4.38e+06	1.44	y	21:54	1.39	1170		-	-	*			
PCB-11	1.46e+05	1.48	y	23:03	1.30	41.6		-	-	*			
PCB-13	*	*	n	NotFnd	1.35	*		840	2600	8.42			
PCB-12	*	*	n	NotFnd	1.31	*		840	2600	8.67			
PCB-15	2.58e+05	1.40	y	23:42	1.23	64.3		-	-	*			
13C-PCB-15	3.27e+07	1.65	y	23:40	0.99	9200					92.0	5.11e+06	3.11e+06
PCB-19	1.85e+05	1.13	y	22:03	1.37	121		-	-	*			
PCB-30	*	*	n	NotFnd	2.00	*		540	400	3.85			
PCB-18	1.27e+06	1.11	y	23:36	1.42	809		-	-	*			
PCB-17	5.61e+05	1.10	y	23:46	1.52	334		-	-	*			
PCB-27	1.34e+05	1.03	y	24:17	1.97	61.5		-	-	*			
PCB-24	7.39e+04	1.05	y	24:18	1.97	33.9		-	-	*			
PCB-16	4.40e+05	1.04	y	24:47	1.70	234		-	-	*			
PCB-32	5.59e+05	1.18	y	24:48	1.77	285		-	-	*			
13C-PCB-19	1.11e+07	1.11	y	22:03	0.37	8340					83.4	1.63e+06	1.43e+06
13C-PCB-9	3.58e+07	1.63	y	19:50	-	58.8							
PCB-34	*	*	n	NotFnd	1.20	*		810	992	5.82			
PCB-23	*	*	n	NotFnd	1.16	*		810	992	6.02			
PCB-29	*	*	n	NotFnd	1.21	*		810	992	5.76			
PCB-26	5.09e+05	1.10	y	26:04	1.18	146		-	-	*			
PCB-25	3.05e+05	1.11	y	26:13	1.14	91.1		-	-	*			
PCB-31	2.07e+06	1.03	y	26:33	1.16	607		-	-	*			
PCB-28	2.71e+06	1.03	y	26:40	1.44	637		-	-	*			
PCB-20	1.44e+06	1.13	y	27:15	1.18	414		-	-	*		Co-elute PCB 21/33	
PCB-21	1.44e+06	1.13	y	27:15	1.18	414		-	-	*		Co-elute PCB 20/33	
PCB-33	1.44e+06	1.13	y	27:15	1.18	414		-	-	*		Co-elute PCB 20/21	
PCB-22	7.85e+05	1.07	y	27:39	1.29	206		-	-	*			
PCB-36	4.02e+06	1.06	y	28:14	1.20	1130		-	-	*			
PCB-39	*	*	n	NotFnd	1.24	*		810	992	5.63			
PCB-38	*	*	n	NotFnd	1.23	*		810	992	5.68			
PCB-35	*	*	n	NotFnd	1.16	*		810	992	6.00			
PCB-37	3.78e+05	1.15	y	30:20	1.21	106		-	-	*			
13C-PCB-37	2.95e+07	1.08	y	30:18	1.83	9690					96.9	3.35e+06	3.11e+06

PCB-54	*	*	n	NotFnd	1.41	*		912	1120	7.12			
PCB-50	3.61e+04	0.69	y	26:42	1.12	17.2	J	-	-	*			
PCB-53	3.36e+05	0.77	y	27:17	1.11	163		-	-	*			
PCB-51	1.28e+05	0.84	y	27:36	1.15	59.1		-	-	*			
PCB-45	2.99e+05	0.71	y	28:02	0.97	164		-	-	*			
PCB-46	1.20e+05	0.79	y	28:30	0.94	68.5		-	-	*			
PCB-52	1.81e+06	0.75	y	28:55	1.15	839		-	-	*	Co-elute PCB 69		
PCB-69	1.81e+06	0.75	y	28:55	1.15	839		-	-	*	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.52	*		912	1120	6.60			
PCB-43	1.13e+06	0.78	y	29:13	1.06	565		-	-	*	Co-elute PCB 49		
PCB-49	1.13e+06	0.78	y	29:13	1.06	565		-	-	*	Co-elute PCB 43		
PCB-47	4.38e+05	0.80	y	29:24	1.13	206		-	-	*			
PCB-48	3.53e+05	0.82	y	29:31	1.36	139		-	-	*	Co-elute PCB 75		
PCB-75	3.53e+05	0.82	y	29:31	1.36	139		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.45	*		912	1120	6.91			
PCB-62	*	*	n	NotFnd	1.28	*		912	1120	7.80			
PCB-44	1.01e+06	0.78	y	30:09	0.92	583		-	-	*			
PCB-42	5.53e+05	0.74	y	30:22	1.20	247		-	-	*	Co-elute PCB 59		
PCB-59	5.53e+05	0.74	y	30:22	1.20	247		-	-	*	Co-elute PCB 42		
PCB-72	1.26e+06	0.77	y	30:56	1.36	496		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.26e+06	0.77	y	30:56	1.36	496		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.26e+06	0.77	y	30:56	1.36	496		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.26e+06	0.77	y	30:56	1.36	496		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.74e+04	0.69	y	31:09	1.55	16.3	J	-	-	*			
PCB-40	1.80e+05	0.73	y	31:23	0.87	111		-	-	*			
PCB-57	*	*	n	NotFnd	1.46	*		912	1120	6.86			
PCB-67	5.96e+04	0.75	y	31:59	1.46	21.7		-	-	*			
PCB-58	*	*	n	NotFnd	1.45	*		912	1120	6.89			
PCB-63	5.95e+04	0.74	y	32:16	1.49	21.3		-	-	*			
PCB-74	5.93e+05	0.81	y	32:32	1.48	214		-	-	*			
PCB-61	1.22e+06	0.80	y	32:44	1.34	488		-	-	*	Co-elute PCB 70		
PCB-70	1.22e+06	0.80	y	32:44	1.34	488		-	-	*	Co-elute PCB 61		
PCB-76	1.18e+06	0.82	y	32:56	1.53	410		-	-	*	Co-elute PCB 66		
PCB-66	1.18e+06	0.82	y	32:56	1.53	410		-	-	*	Co-elute PCB 76		
PCB-80	4.61e+04	0.78	y	33:08	1.74	14.1	J	-	-	*			
PCB-55	1.59e+05	0.82	y	33:28	1.52	55.9		-	-	*			
13C-PCB-54	1.87e+07	0.80	y	25:34	1.13	10000					100	2.24e+06	2.83e+06
PCB-104	4.33e+06	1.52	y	30:01	1.26	3260		-	-	*			
PCB-96	*	*	n	NotFnd	1.23	*		332	528	6.78			
PCB-103	2.07e+04	1.36	y	31:44	1.05	18.7	J	-	-	*			
PCB-100	2.57e+04	1.39	y	32:03	1.05	23.1		-	-	*			
PCB-94	*	*	n	NotFnd	0.89	*		332	528	9.41			
PCB-98	*	*	n	NotFnd	0.90	*		332	528	9.30	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.90	*		332	528	9.30	Co-elute PCB 98		
PCB-95	7.81e+05	1.55	y	33:00	0.95	781		-	-	*			
PCB-93	*	*	n	NotFnd	0.94	*		332	528	8.85			
PCB-88	*	*	n	NotFnd	0.98	*		332	528	8.52	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.98	*		332	528	8.52	Co-elute PCB 88		
PCB-121	6.16e+06	1.57	y	33:28	1.25	4680		-	-	*			
13C-PCB-104	1.05e+07	1.60	y	29:59	0.74	8610					86.1	1.60e+06	9.81e+05
13C-PCB-28	3.46e+07	1.07	y	26:38	2.17	9620					96.2	4.35e+06	4.05e+06
13C-PCB-52	1.66e+07	0.80	y	28:54	-	56.3							

PCB-56	8.53e+05	0.79	y	33:54	1.22	285		-	-	*			Co-elute PCB 60
PCB-60	8.53e+05	0.79	y	33:54	1.22	285		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.29	*		820	1080	6.85			
PCB-78	1.08e+07	0.82	y	35:35	1.26	3490		-	-	*			
PCB-81	4.38e+04	0.73	y	36:07	1.34	13.8	J	-	-	*			
13C-PCB-81	2.38e+07	0.80	y	36:03	1.76	9420					94.2	2.32e+06	2.94e+06
PCB-77	8.05e+04	0.77	y	36:40	1.18	27.1		-	-	*			
13C-PCB-77	2.52e+07	0.80	y	36:37	1.84	9580					95.8	2.43e+06	3.06e+06
PCB-155	7.86e+06	1.29	y	34:11	1.16	5310		-	-	*			
PCB-150	*	*	n	NotFnd	1.13	*		648	448	8.12			
PCB-152	*	*	n	NotFnd	1.11	*		648	448	8.22			
PCB-145	*	*	n	NotFnd	1.12	*		648	448	8.15			
PCB-136	1.79e+05	1.29	y	36:33	1.07	131		-	-	*			
PCB-148	*	*	n	NotFnd	0.87	*		648	448	10.5			
PCB-154	4.74e+04	1.33	y	37:05	0.94	39.4		-	-	*			
13C-PCB-155	1.27e+07	1.30	y	34:08	0.98	9070					90.7	1.67e+06	1.32e+06
13C-PCB-111	1.70e+07	1.61	y	36:13	1.26	9450					94.5	2.44e+06	1.52e+06
13C-PCB-101	1.43e+07	1.61	y	34:35	-	53.5							
PCB-84	6.33e+05	1.58	y	34:16	0.65	394		-	-	*			Co-elute PCB 92
PCB-92	6.33e+05	1.58	y	34:16	0.65	394		-	-	*			Co-elute PCB 84
PCB-89	2.85e+04	1.45	y	34:27	0.64	17.8	J	-	-	*			
PCB-90	1.28e+06	1.58	y	34:36	0.71	724		-	-	*			Co-elute PCB 101
PCB-101	1.28e+06	1.58	y	34:36	0.71	724		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.80	*		754	630	7.92			
PCB-99	5.80e+05	1.69	y	34:55	0.82	286		-	-	*			
PCB-119	5.44e+04	1.43	y	35:21	0.93	23.5		-	-	*			
PCB-83	6.41e+04	1.58	y	35:31	0.73	35.2		-	-	*			Co-elute PCB 112
PCB-112	6.41e+04	1.58	y	35:31	0.73	35.2		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.87	*		754	630	7.22			
PCB-97	3.22e+05	1.58	y	35:50	0.63	205		-	-	*			
PCB-86	*	*	n	NotFnd	0.61	*		754	630	10.3			
PCB-125	4.45e+05	1.48	y	36:07	0.84	212		-	-	*			Co-elute PCB 87/117
PCB-87	4.45e+05	1.48	y	36:07	0.84	212		-	-	*			Co-elute PCB 125/117
PCB-117	4.45e+05	1.48	y	36:07	0.84	212		-	-	*			Co-elute PCB 125/87
PCB-111	2.56e+04	1.58	y	36:16	0.92	11.2	J	-	-	*			Co-elute PCB 115
PCB-115	2.56e+04	1.58	y	36:16	0.92	11.2	J	-	-	*			Co-elute PCB 111
PCB-85	1.83e+05	1.63	y	36:21	0.78	93.9		-	-	*			Co-elute PCB 116
PCB-116	1.83e+05	1.63	y	36:21	0.78	93.9		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.98	*		754	630	6.46			
PCB-110	1.37e+06	1.64	y	36:44	0.91	606		-	-	*			
PCB-82	1.02e+05	1.55	y	37:19	0.57	72.5		-	-	*			
PCB-124	6.37e+04	1.69	y	37:58	1.17	21.9		-	-	*			
PCB-108	8.98e+04	1.46	y	38:08	1.17	30.8		-	-	*			Co-elute PCB 107
PCB-107	8.98e+04	1.46	y	38:08	1.17	30.8		-	-	*			Co-elute PCB 108
PCB-123	2.55e+04	1.40	y	38:18	1.13	9.52	J	-	-	*			
13C-PCB-123	2.38e+07	1.56	y	38:16	1.42	10300					103	3.21e+06	1.97e+06
PCB-118	1.04e+06	1.57	y	38:27	1.15	356		-	-	*			Co-elute PCB 106
PCB-106	1.04e+06	1.57	y	38:27	1.15	356		-	-	*			Co-elute PCB 118
13C-PCB-118	2.54e+07	1.58	y	38:26	1.57	9890					98.9	3.61e+06	2.29e+06
PCB-114	3.42e+04	1.42	y	39:04	1.20	11.3	J	-	-	*			
13C-PCB-114	2.52e+07	1.59	y	39:04	1.55	9950					99.5	3.35e+06	2.10e+06
PCB-122	*	*	n	NotFnd	1.21	*		912	770	6.37			
PCB-105	4.00e+05	1.54	y	39:53	1.21	132		-	-	*			
13C-PCB-105	2.50e+07	1.61	y	39:51	1.52	10100					101	3.38e+06	2.07e+06

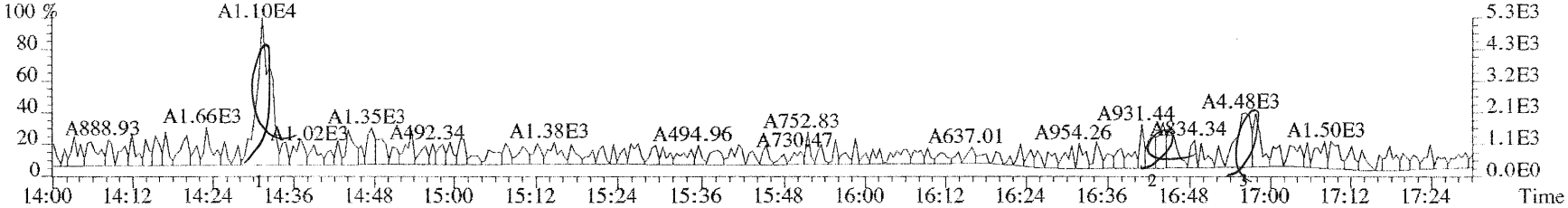
PCB-127	*	*	n	NotFnd	1.13	*		912	770	6.81			
PCB-126	*	*	n	NotFnd	1.17	*		912	770	7.21			
13C-PCB-126	2.48e+07	1.62	y	42:00	1.41	10800					108	3.07e+06	1.90e+06
PCB-151	3.18e+05	1.35	y	37:43	1.04	164		-	-	*			
PCB-135	1.49e+05	1.20	y	37:56	1.03	78.0		-	-	*			
PCB-144	7.11e+04	1.38	y	38:03	1.08	35.5		-	-	*			
PCB-147	3.12e+04	1.10	y	38:09	1.10	15.2	J	-	-	*			
PCB-139	9.94e+05	1.36	y	38:24	1.11	481		-	-	*		Co-elute PCB 149	
PCB-149	9.94e+05	1.36	y	38:24	1.11	481		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	1.12	*		756	684	7.65			
PCB-143	7.09e+04	1.18	y	39:00	0.95	40.3		-	-	*		Co-elute PCB 134	
PCB-134	7.09e+04	1.18	y	39:00	0.95	40.3		-	-	*		Co-elute PCB 143	
PCB-131	3.17e+04	1.29	y	39:17	0.95	18.0	J	-	-	*		Co-elute PCB 133	
PCB-133	3.17e+04	1.29	y	39:17	0.95	18.0	J	-	-	*		Co-elute PCB 131	
PCB-142	1.48e+06	1.23	y	39:25	0.96	824		-	-	*			
PCB-165	1.89e+05	1.27	y	39:38	1.24	82.0		-	-	*		Co-elute PCB 146	
PCB-146	1.89e+05	1.27	y	39:38	1.24	82.0		-	-	*		Co-elute PCB 165	
PCB-161	3.39e+05	1.30	y	39:55	1.17	156		-	-	*		Co-elute PCB 132	
PCB-132	3.39e+05	1.30	y	39:55	1.17	156		-	-	*		Co-elute PCB 161	
PCB-153	1.21e+06	1.32	y	40:01	1.25	520		-	-	*			
PCB-168	*	*	n	NotFnd	1.38	*		756	684	6.22			
PCB-141	1.49e+05	1.40	y	40:44	1.06	75.7		-	-	*			
PCB-137	3.08e+04	1.17	y	41:04	1.05	15.7	J	-	-	*			
PCB-130	6.40e+04	1.11	y	41:10	0.94	36.7		-	-	*			
PCB-138	9.92e+05	1.31	y	41:32	1.24	430		-	-	*		Co-elute PCB 163/164	
PCB-163	9.92e+05	1.31	y	41:32	1.24	430		-	-	*		Co-elute PCB 138/164	
PCB-164	9.92e+05	1.31	y	41:32	1.24	430		-	-	*		Co-elute PCB 138/163	
PCB-158	1.20e+05	1.26	y	41:45	1.38	47.0		-	-	*		Co-elute PCB 160	
PCB-160	1.20e+05	1.26	y	41:45	1.38	47.0		-	-	*		Co-elute PCB 158	
PCB-129	3.81e+04	1.16	y	42:00	0.90	22.7		-	-	*			
PCB-166	*	*	n	NotFnd	1.34	*		756	684	6.39			
PCB-159	4.71e+04	1.21	y	42:46	1.39	18.3	J	-	-	*			
PCB-128	1.32e+05	1.18	y	42:59	1.16	61.1		-	-	*		Co-elute PCB 162	
PCB-162	1.32e+05	1.18	y	42:59	1.16	61.1		-	-	*		Co-elute PCB 128	
PCB-167	3.98e+04	1.27	y	43:22	1.26	17.2	J	-	-	*			
13C-PCB-167	1.84e+07	1.27	y	43:20	1.13	9920					99.2	2.09e+06	1.66e+06
PCB-156	7.96e+04	1.36	y	44:36	1.32	32.9		-	-	*			
13C-PCB-156	1.84e+07	1.30	y	44:34	1.08	10400					104	2.39e+06	1.88e+06
PCB-157	*	*	n	NotFnd	1.27	*		756	684	6.80			
13C-PCB-157	1.90e+07	1.31	y	44:49	1.10	10500					105	2.36e+06	1.81e+06
PCB-169	*	*	n	NotFnd	1.23	*		756	684	6.20			
13C-PCB-169	1.86e+07	1.28	y	46:43	1.04	11000					110	2.68e+06	2.05e+06

FAL ID: 13372-004-0001-SA Filename: 16OCT20Z Sam:10 Acquired: 16-OCT-20 16:33:59 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CA-S010 ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

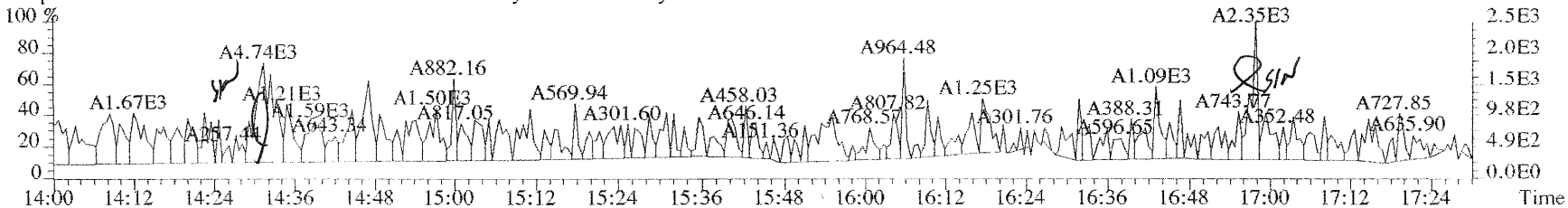
PCB-188	*	*	n	NotFnd	1.20	*	657	424	7.71			
13C-PCB-188	1.25e+07	1.10	y	39:38	0.90	8490				84.9	1.55e+06	1.37e+06
PCB-184	9.84e+06	1.07	y	40:05	1.35	6180	-	-	*			
PCB-179	9.83e+04	1.12	y	40:49	1.32	62.9	-	-	*			
PCB-176	*	*	n	NotFnd	1.27	*	657	424	6.91			
PCB-186	*	*	n	NotFnd	1.26	*	657	424	6.95			
PCB-178	3.99e+04	1.08	y	42:18	0.91	37.0	-	-	*			
PCB-175	*	*	n	NotFnd	0.95	*	657	424	9.15			
PCB-187	1.97e+05	1.17	y	42:46	1.02	163	-	-	*	Co-elute PCB 182		
PCB-182	1.97e+05	1.17	y	42:46	1.02	163	-	-	*	Co-elute PCB 187		
PCB-183	9.19e+04	1.15	y	43:06	1.02	76.4	-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*	657	424	9.30			
PCB-174	1.18e+05	1.15	y	44:05	1.00	99.8	-	-	*			
PCB-181	*	*	n	NotFnd	0.88	*	657	424	9.89			
PCB-177	8.14e+04	1.09	y	44:20	0.86	79.7	-	-	*			
PCB-171	4.07e+04	1.19	y	44:36	0.93	37.2	-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*	657	424	10.6			
PCB-172	1.48e+05	1.03	y	45:22	0.85	148	-	-	*			
PCB-192	6.95e+06	1.08	y	45:34	1.12	5250	-	-	*			
PCB-180	2.13e+05	1.08	y	45:45	0.88	205	-	-	*			
PCB-193	*	*	n	NotFnd	1.21	*	657	424	7.24			
PCB-191	*	*	n	NotFnd	1.16	*	657	424	7.56			
PCB-170	7.91e+04	1.07	y	47:03	0.88	76.0	-	-	*			
PCB-190	*	*	n	NotFnd	1.14	*	657	424	7.69			
PCB-189	*	*	n	NotFnd	1.20	*	657	424	6.78			
13C-PCB-189	1.11e+07	1.11	y	48:23	0.74	9230				92.3	1.75e+06	1.57e+06
PCB-202	*	*	n	NotFnd	1.12	*	392	321	9.72			
PCB-201	*	*	n	NotFnd	1.28	*	392	321	8.55			
PCB-204	1.13e+07	0.96	y	45:22	1.24	12500	-	-	*			
PCB-197	6.30e+04	0.79	y	45:39	1.29	66.8	-	-	*			
PCB-200	*	*	n	NotFnd	1.28	*	392	321	8.54			
PCB-198	*	*	n	NotFnd	0.96	*	392	321	11.3			
PCB-199	3.05e+04	0.91	y	47:39	0.93	44.9	-	-	*			
PCB-203	2.76e+04	0.91	y	47:54	0.98	38.3	-	-	*	Co-elute PCB 196		
PCB-196	2.76e+04	0.91	y	47:54	0.98	38.3	-	-	*	Co-elute PCB 203		
13C-PCB-202	7.31e+06	0.91	y	44:46	0.55	8070				80.7	7.87e+05	8.45e+05
13C-PCB-178	8.88e+06	1.10	y	42:16	0.66	8210				82.1	1.08e+06	9.75e+05
13C-PCB-138	1.64e+07	1.30	y	41:30	-	54.3						
PCB-195	*	*	n	NotFnd	0.91	*	760	850	7.36			
PCB-194	4.16e+04	0.78	y	49:48	0.93	22.7	-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*	760	850	5.85			
13C-PCB-205	1.97e+07	0.89	y	50:02	1.24	9320				93.2	2.81e+06	3.22e+06
PCB-208	*	*	n	NotFnd	1.13	*	644	604	4.66			
13C-PCB-208	1.80e+07	0.83	y	49:07	1.08	9750				97.5	2.70e+06	3.21e+06
PCB-207	9.12e+04	1.45	y	49:25	1.31	45.0	-	-	*			
PCB-206	*	*	n	NotFnd	1.17	*	644	604	6.30			
13C-PCB-206	1.30e+07	0.83	y	51:14	0.77	9820				98.2	1.90e+06	2.33e+06
PCB-209	1.06e+05	1.31	y	52:26	1.27	76.3	-	-	*			
13C-PCB-209	1.10e+07	1.21	y	52:26	0.73	8760				87.6	1.91e+06	1.50e+06
13C-PCB-194	1.71e+07	0.89	y	49:48	-	55.3						

Analyst: [illegible] Date: 10/19/20

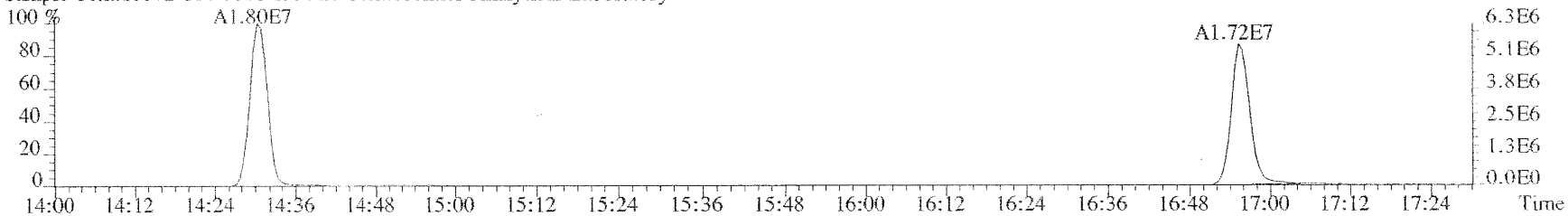
File:16OCT20Z #1-783 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



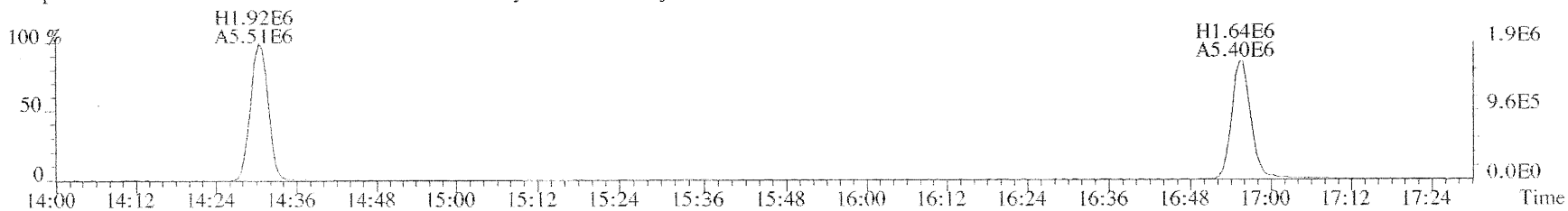
File:16OCT20Z #1-783 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



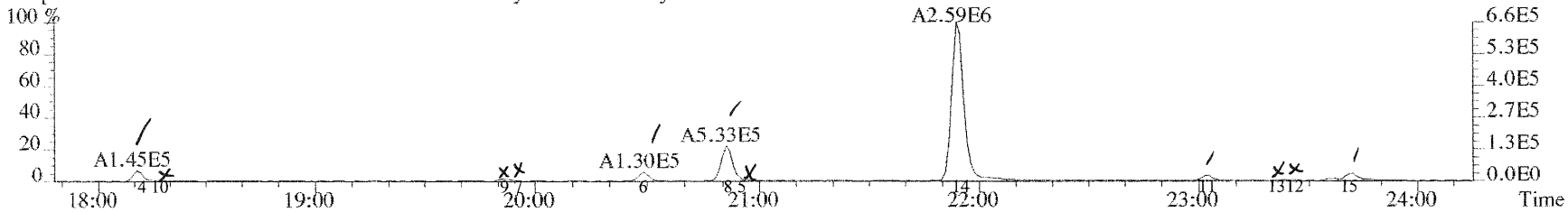
File:16OCT20Z #1-783 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



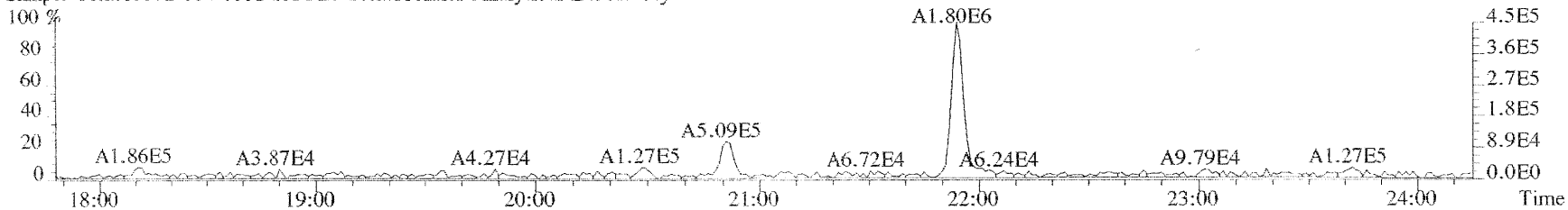
File:16OCT20Z #1-783 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



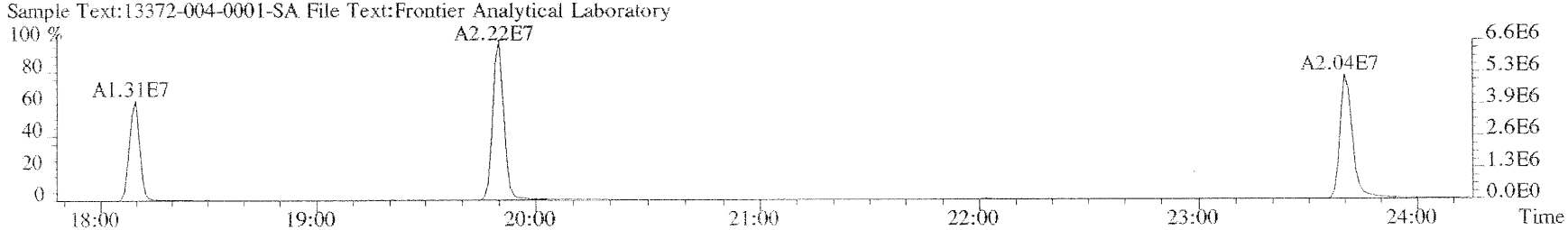
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



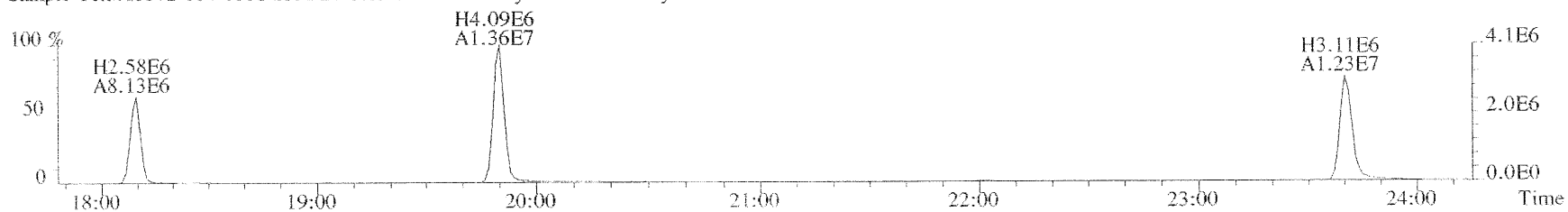
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



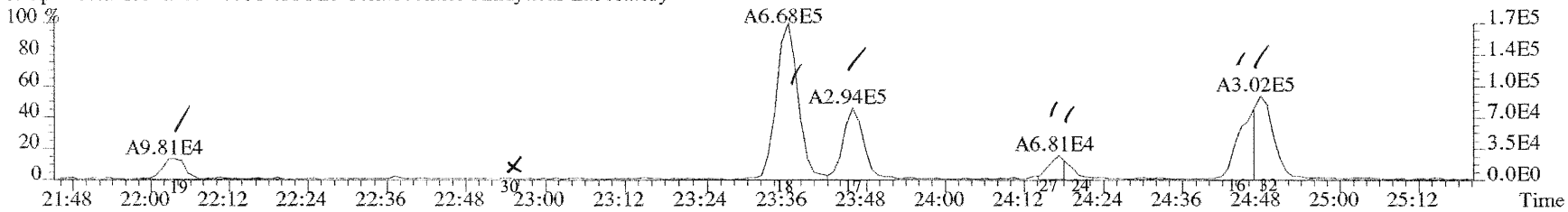
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



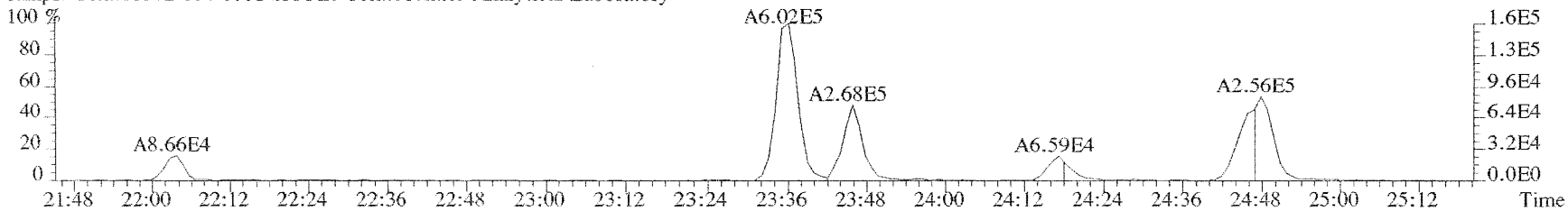
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



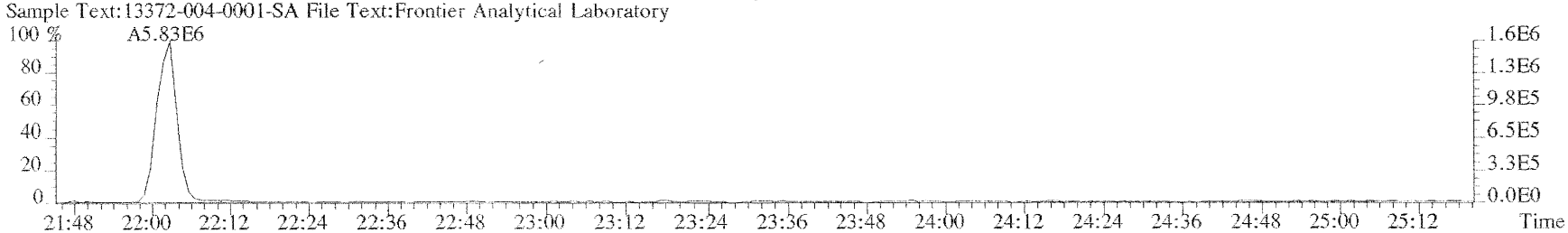
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



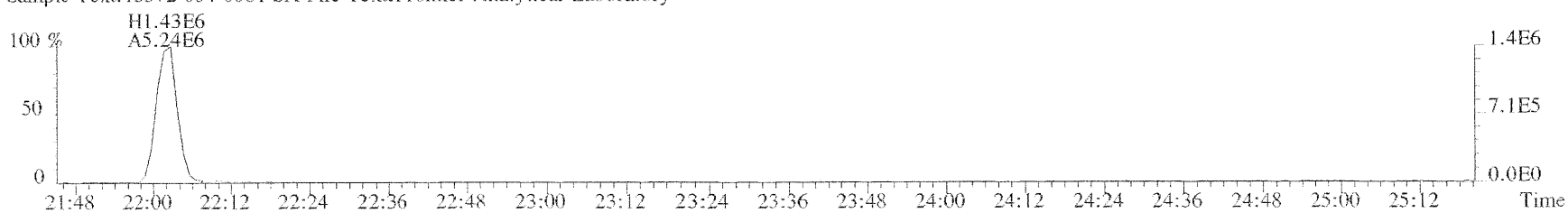
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



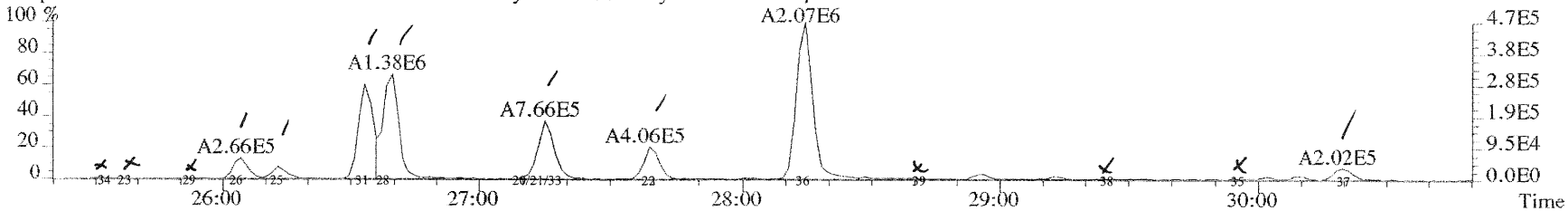
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



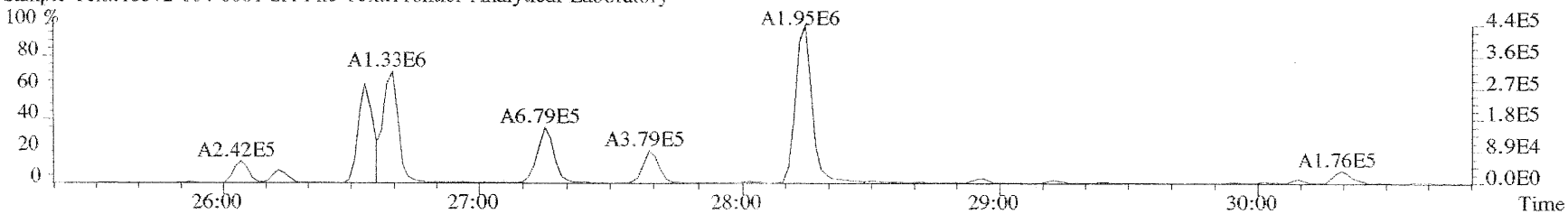
File:16OCT20Z #1-467 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



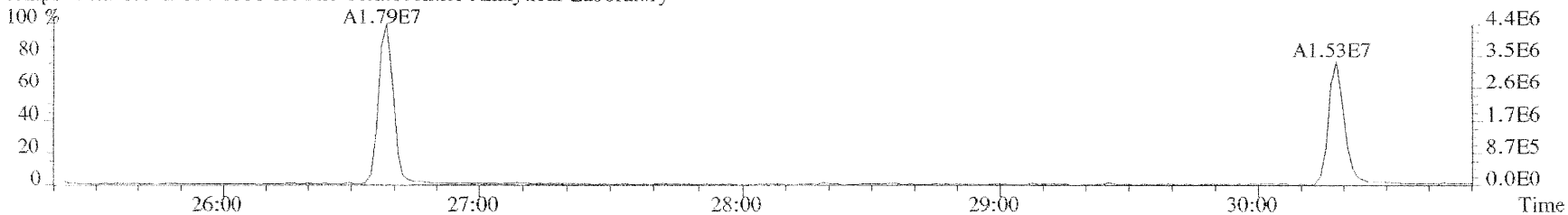
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



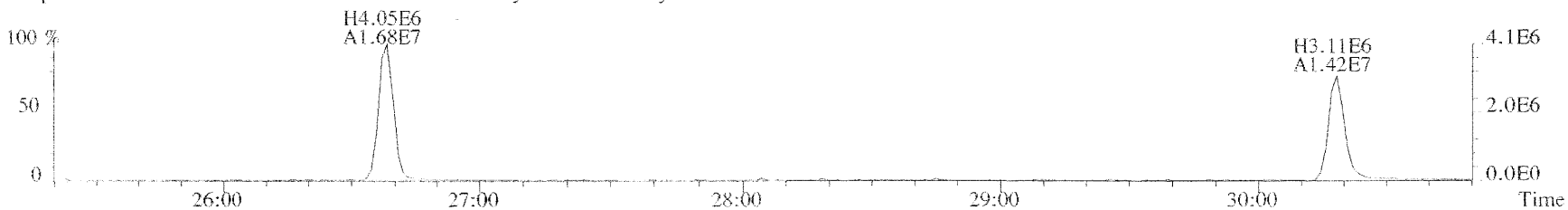
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



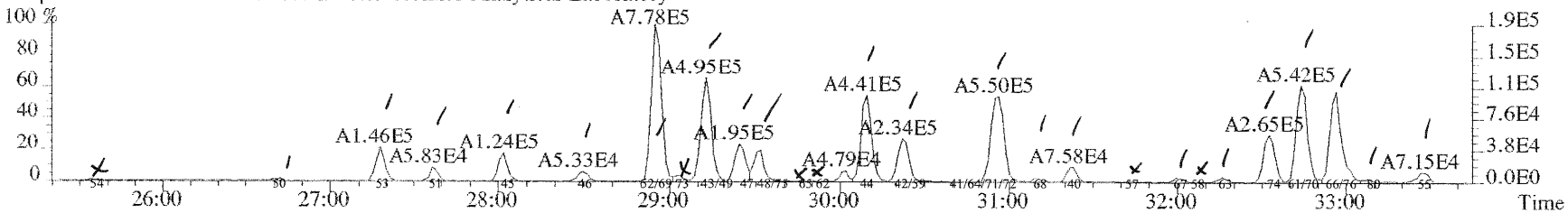
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



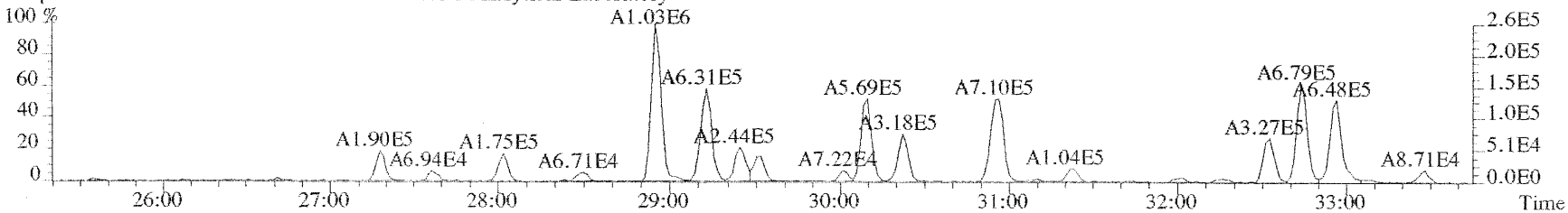
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



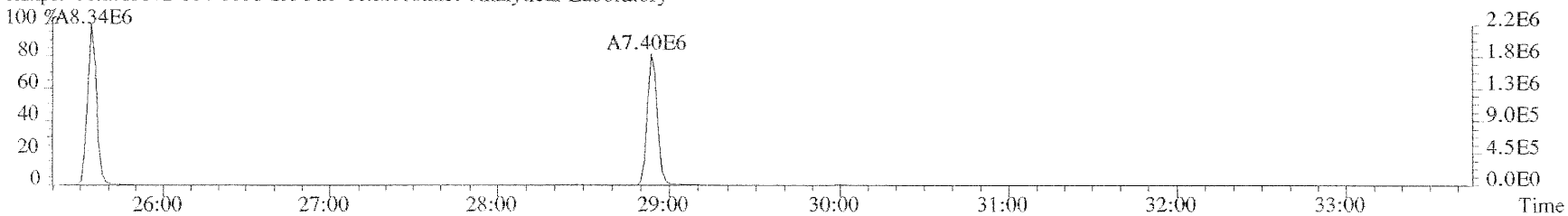
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



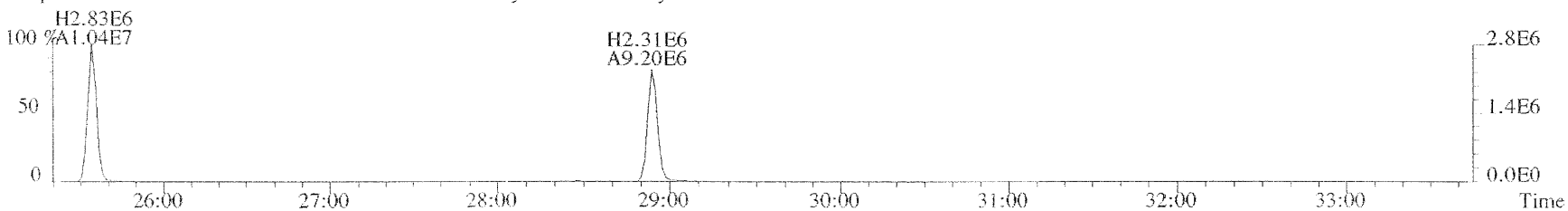
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



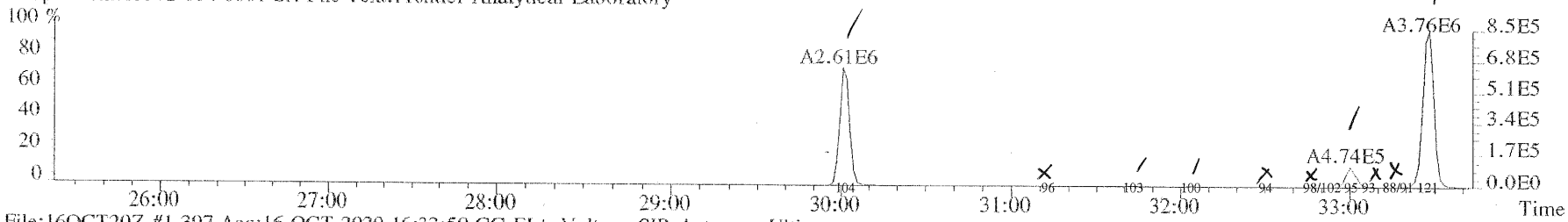
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



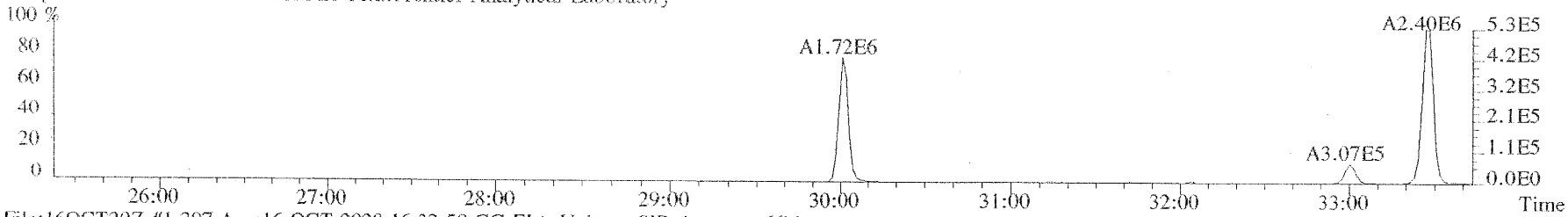
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



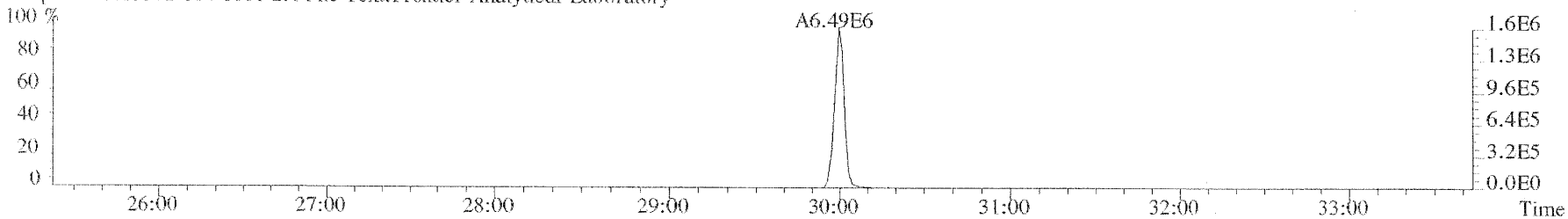
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



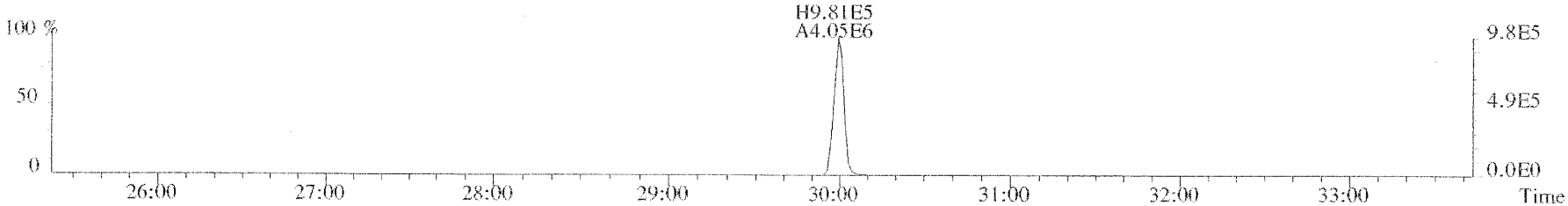
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



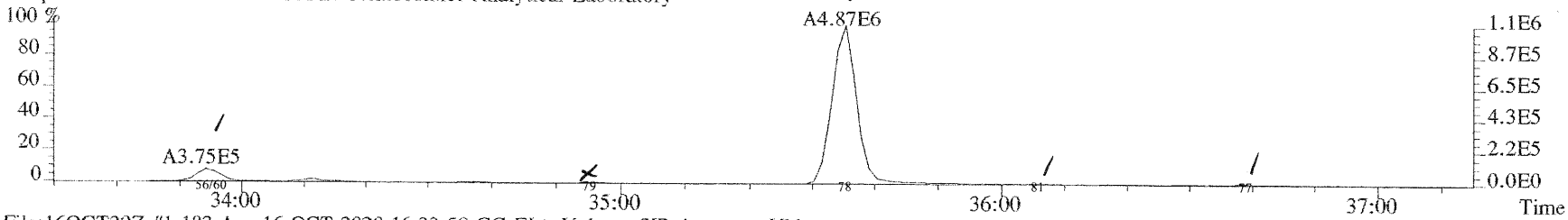
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



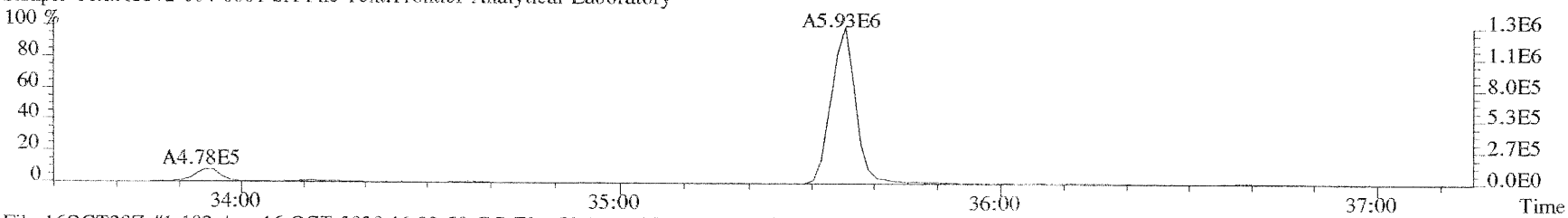
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



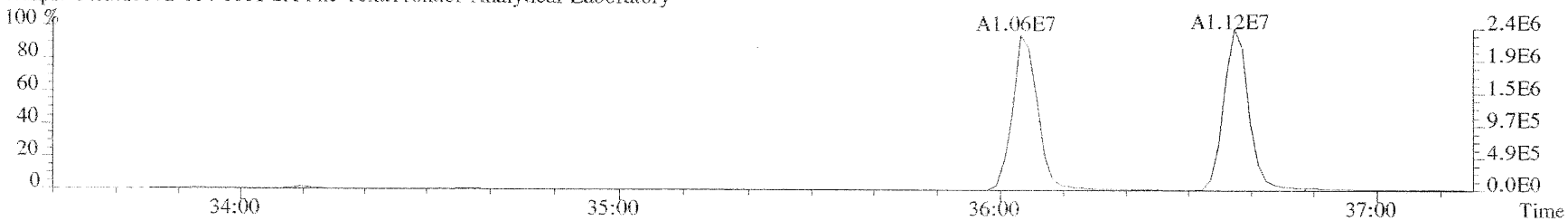
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



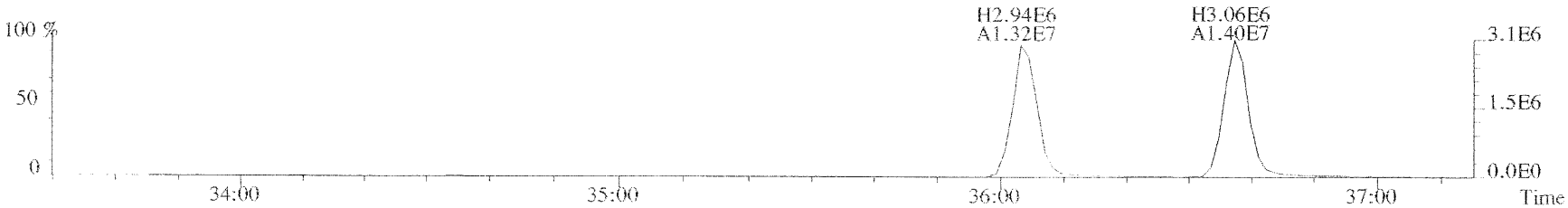
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



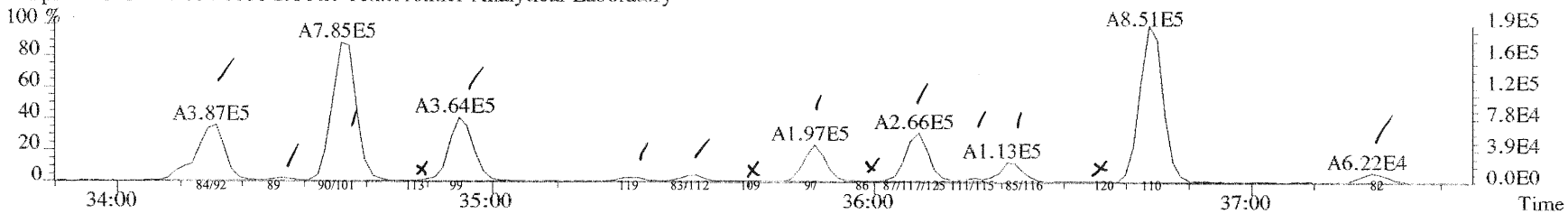
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



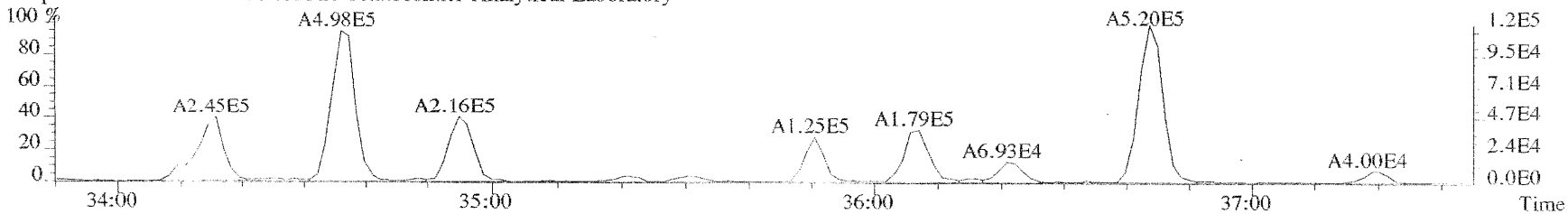
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



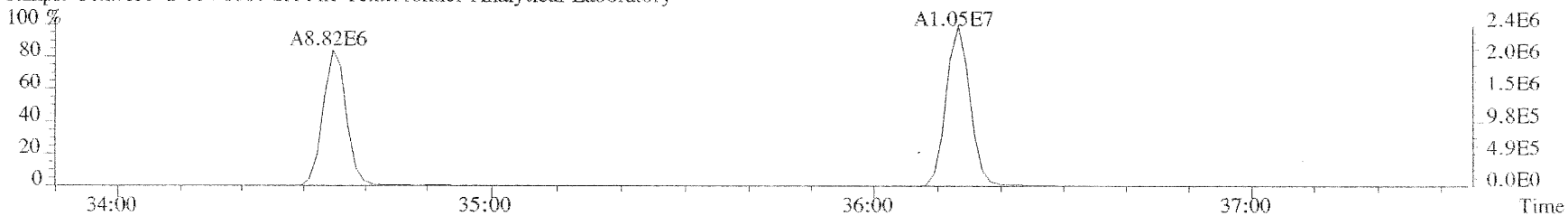
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



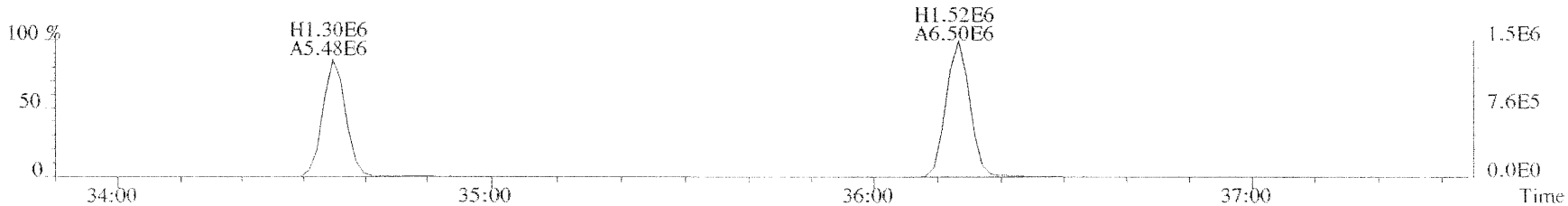
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



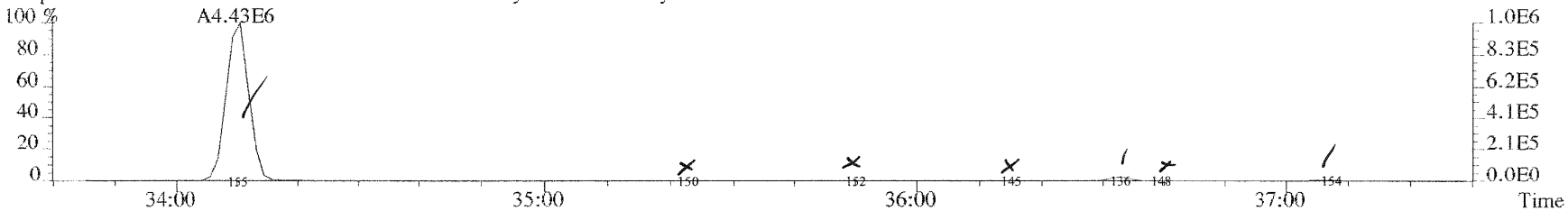
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



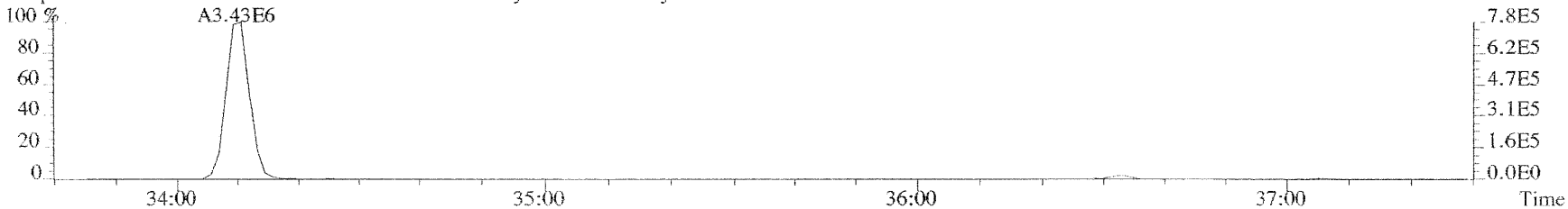
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



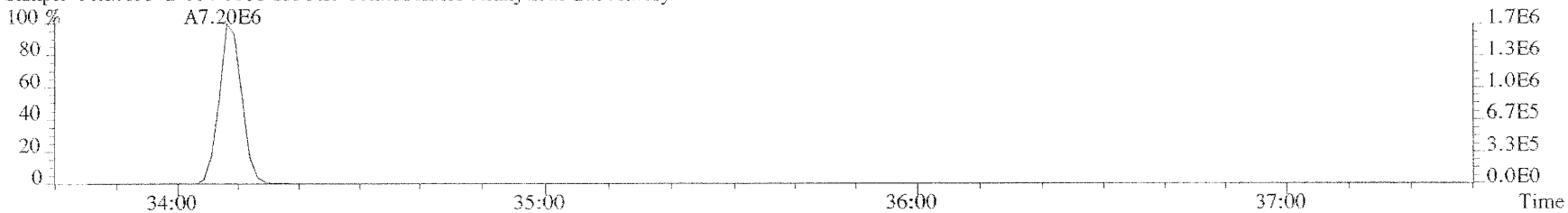
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



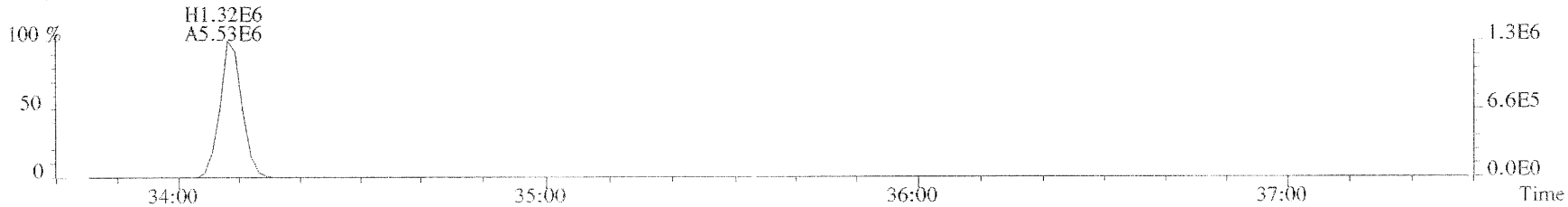
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



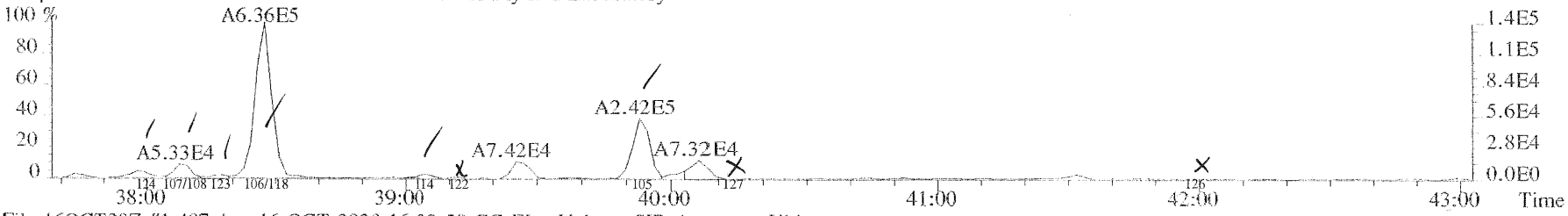
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



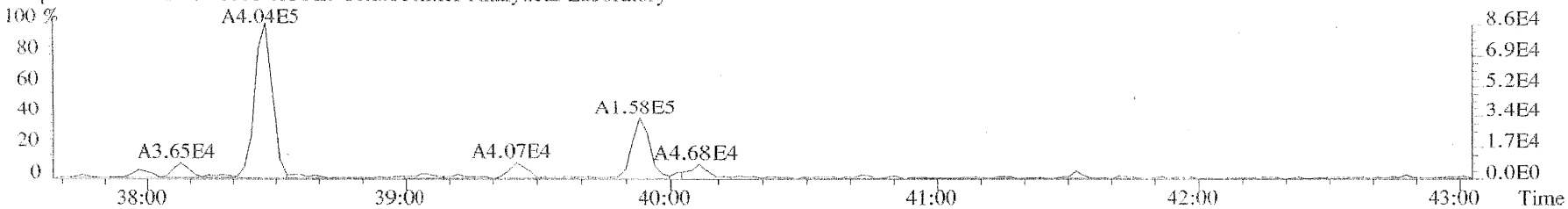
File:16OCT20Z #1-183 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



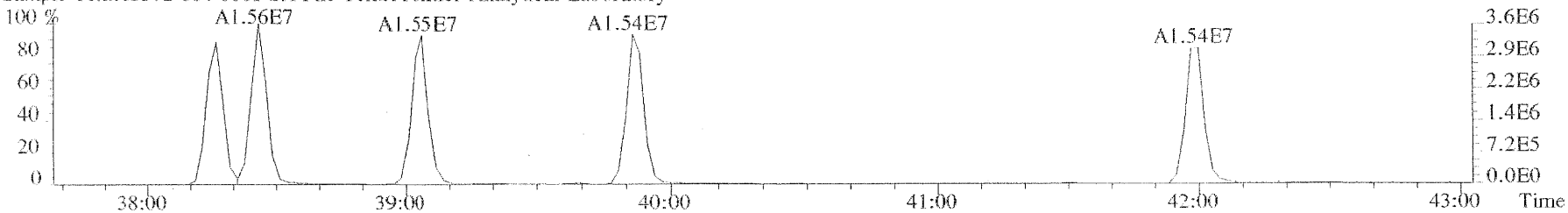
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



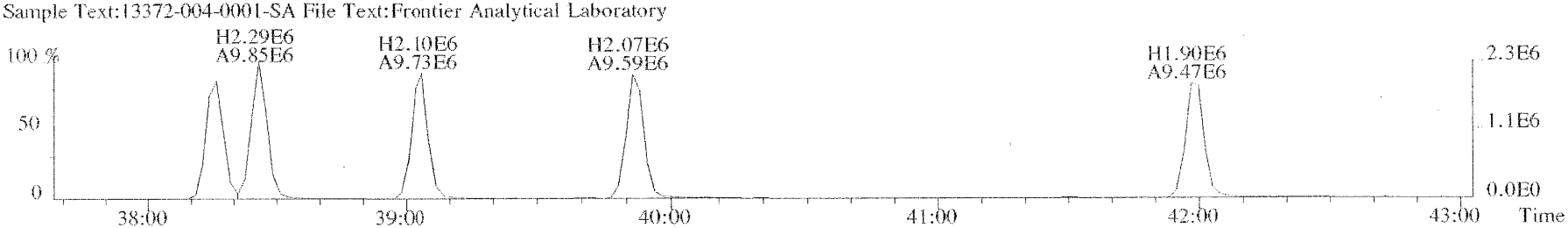
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



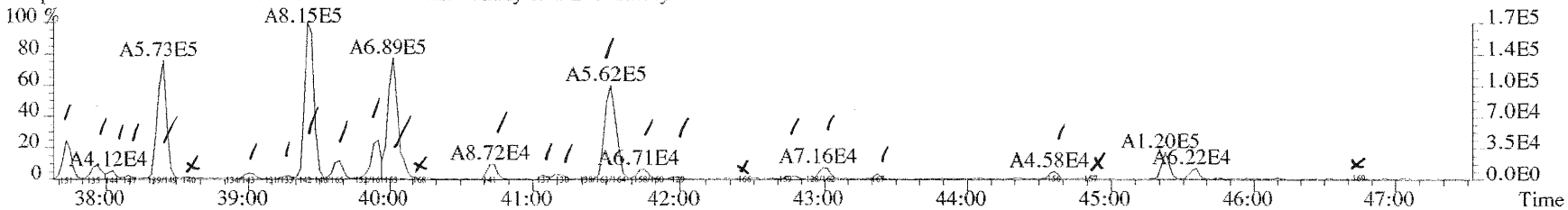
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



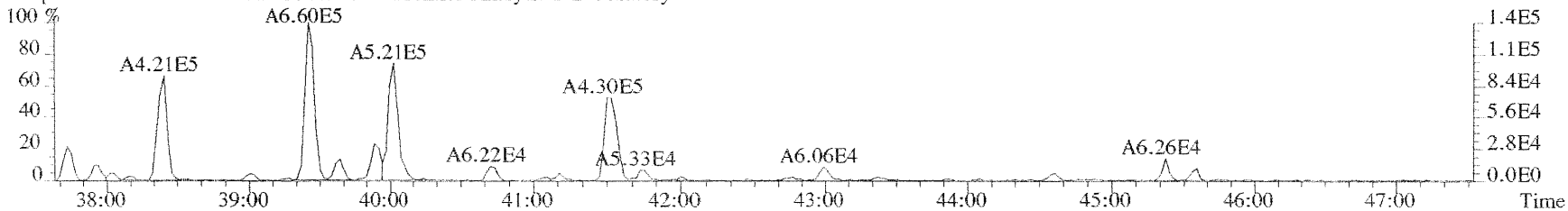
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



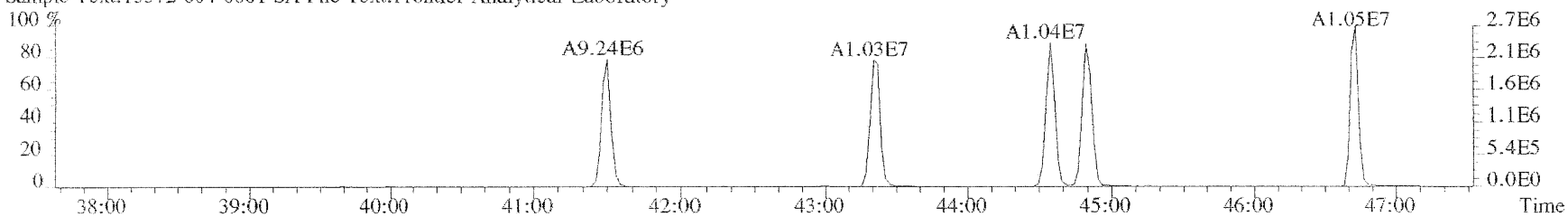
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



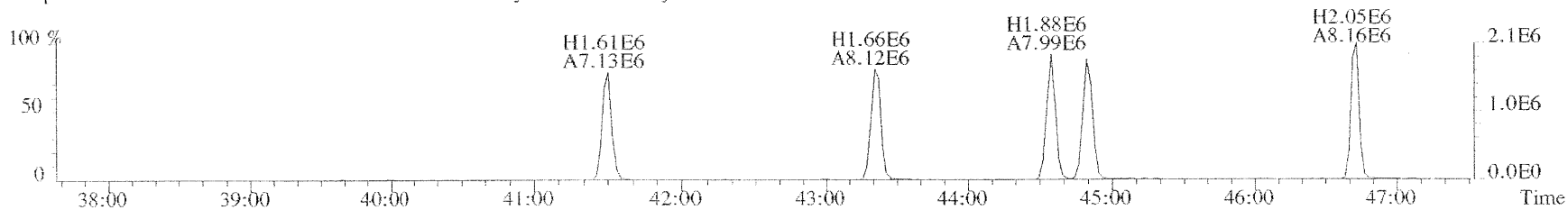
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



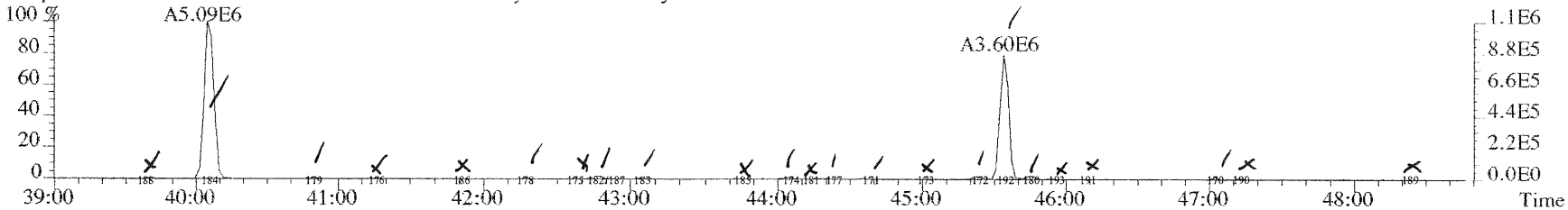
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



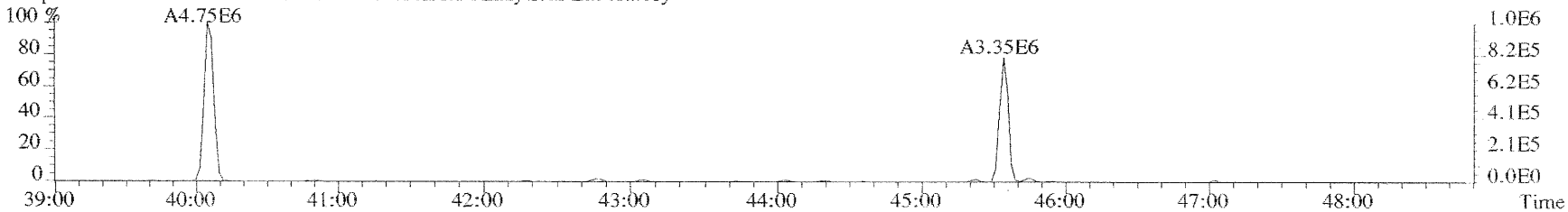
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



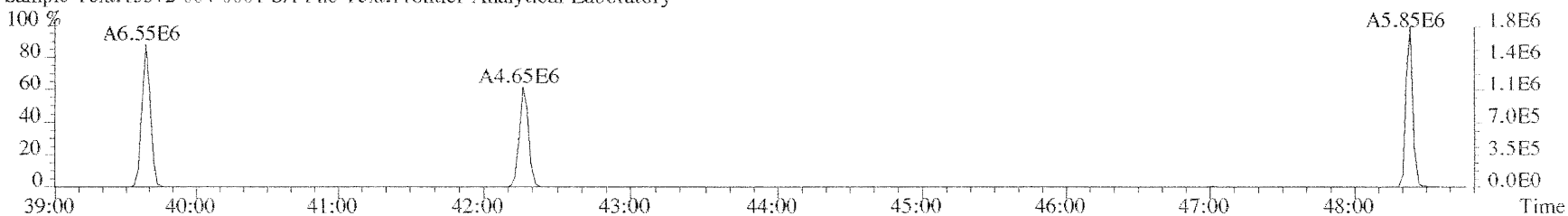
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



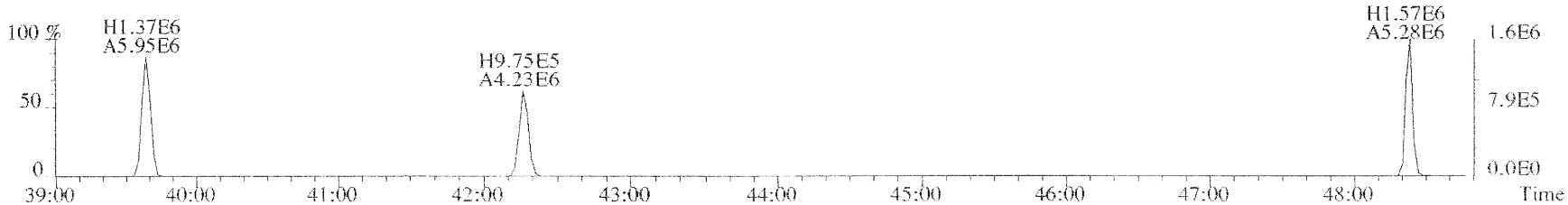
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



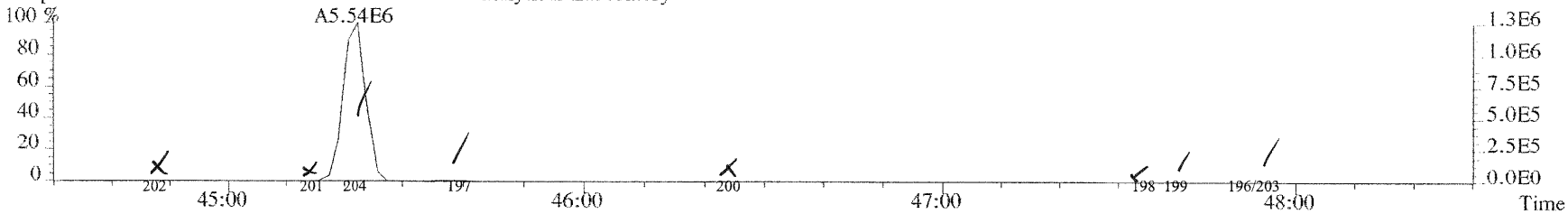
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



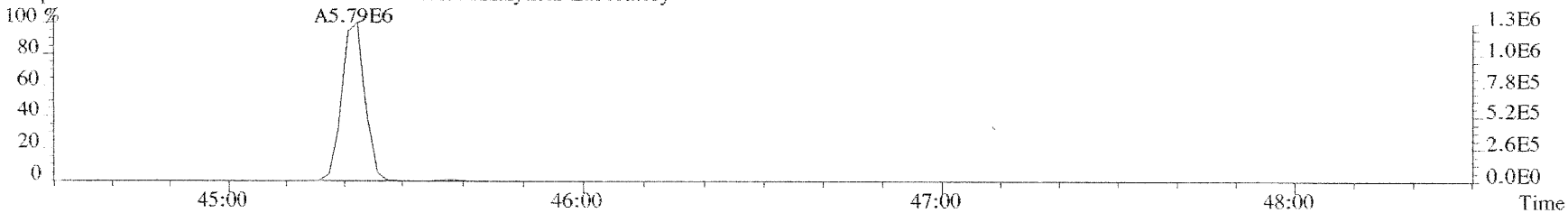
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



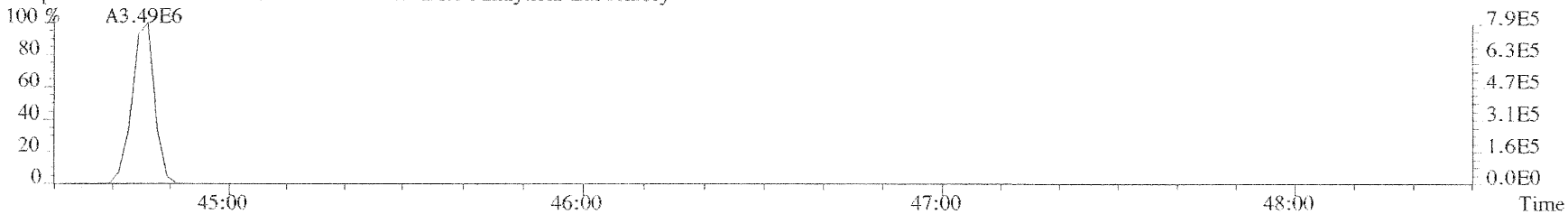
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



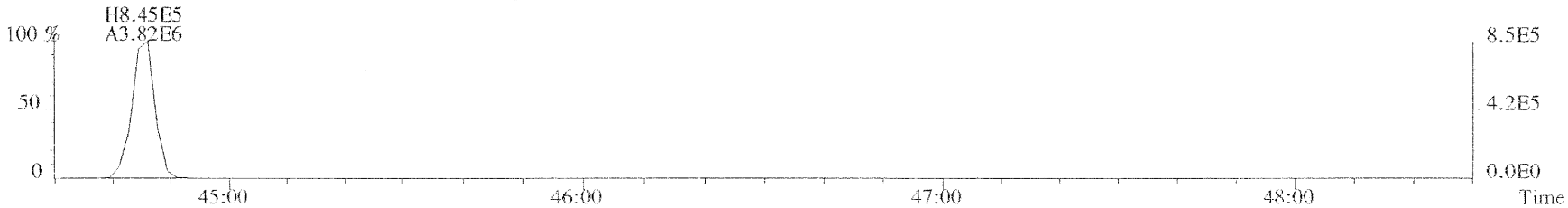
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



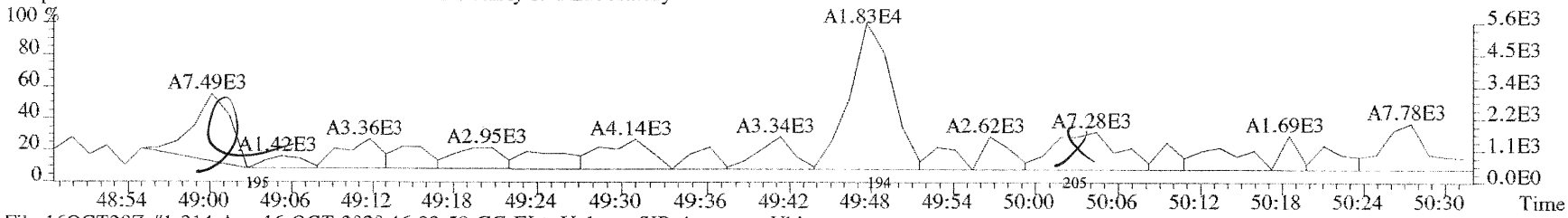
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



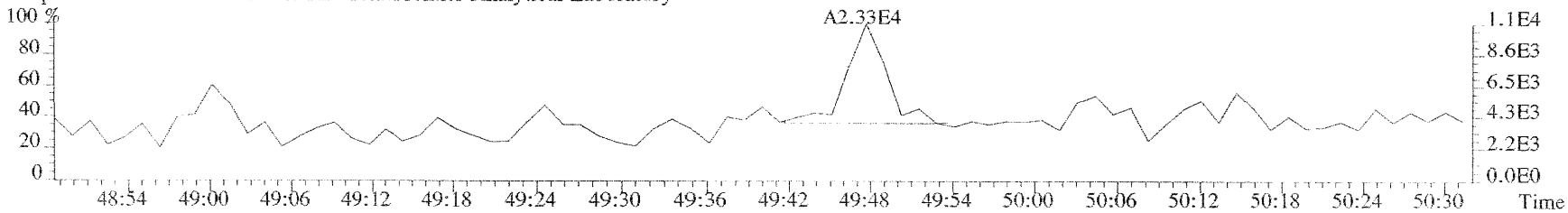
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



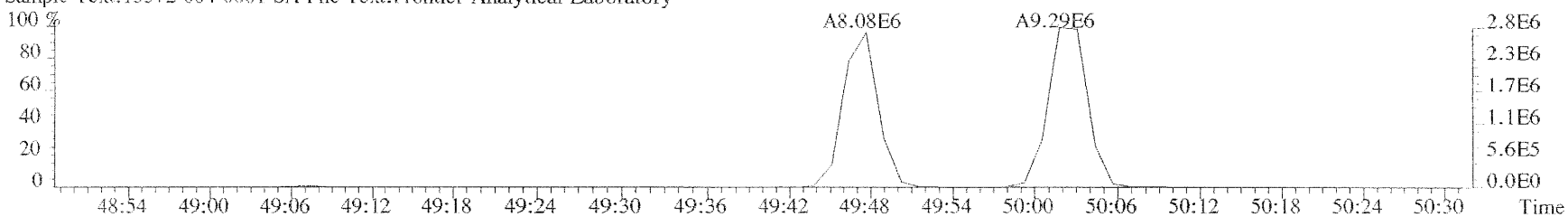
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



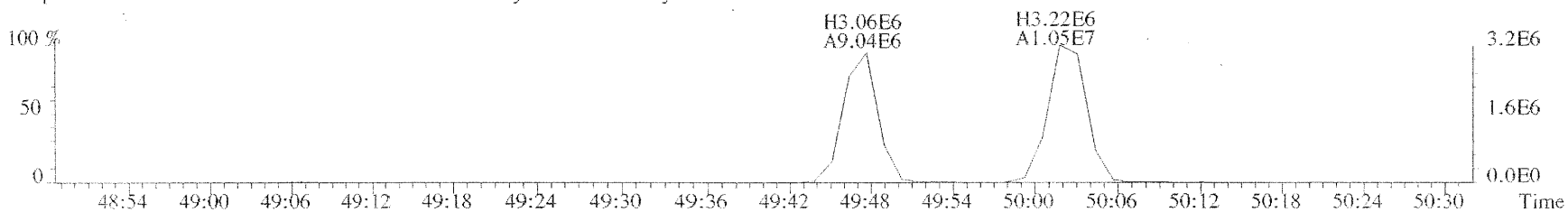
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



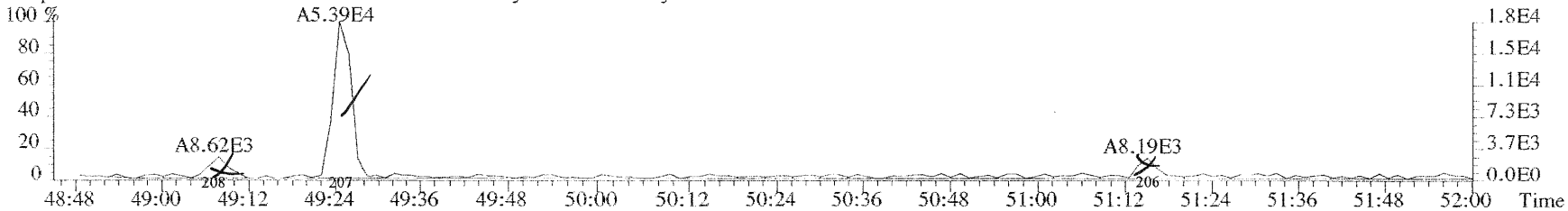
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



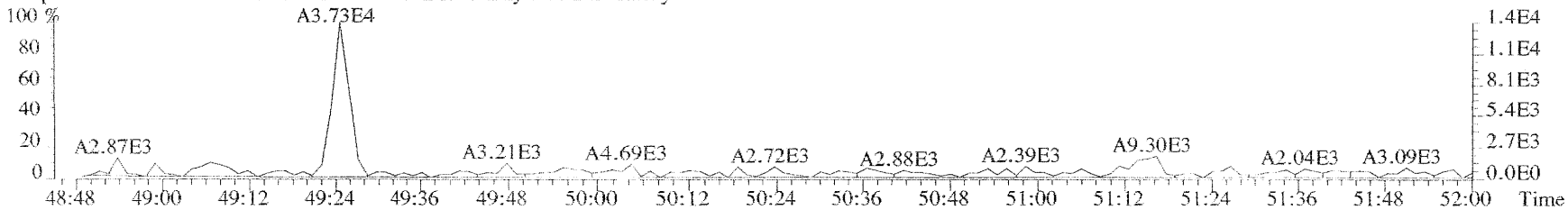
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



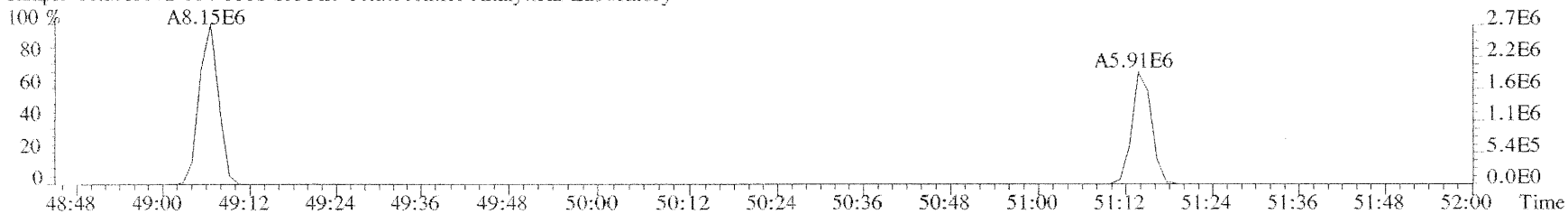
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



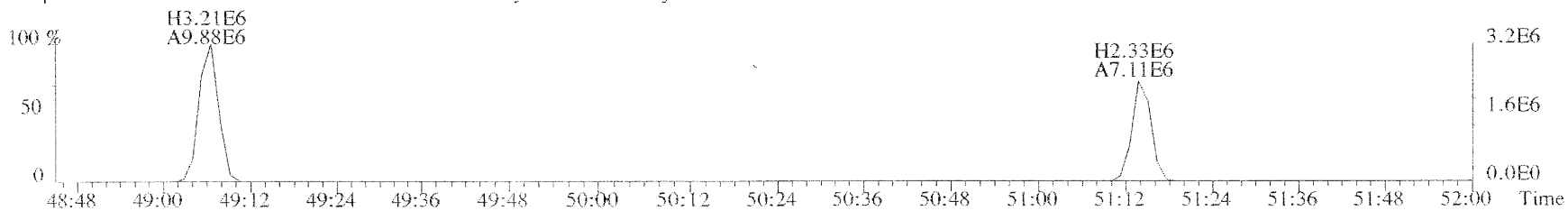
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



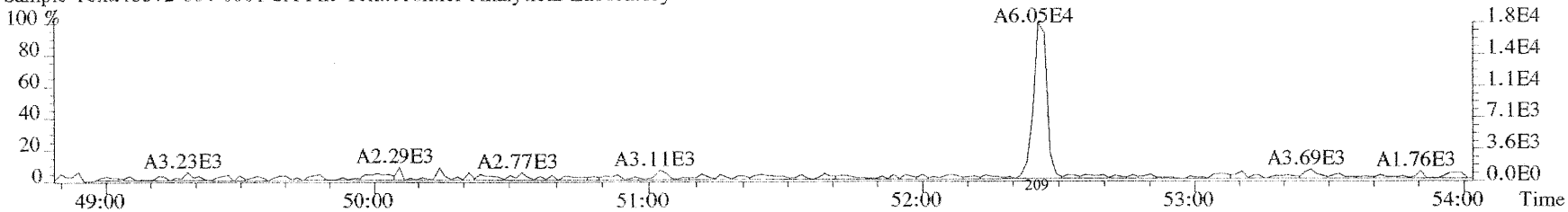
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



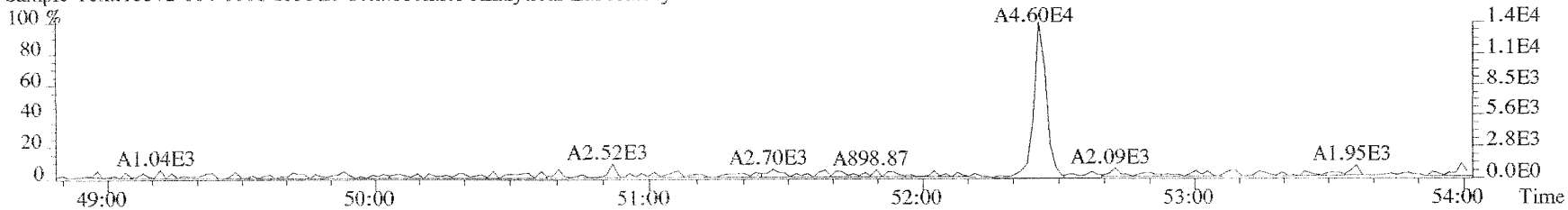
File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 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:13372-004-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 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:13372-004-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
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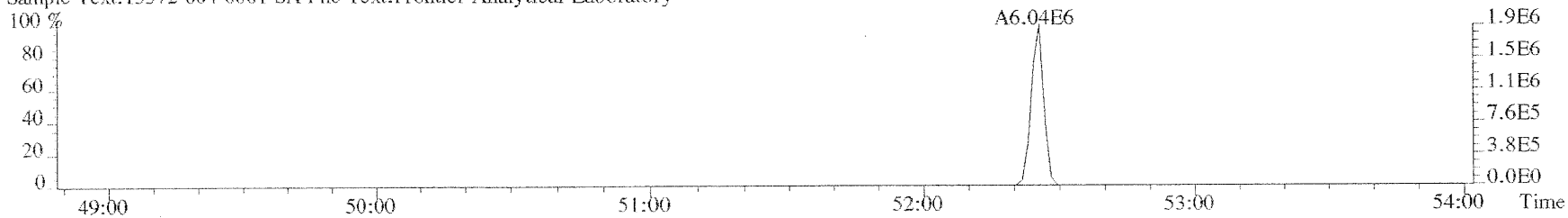
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



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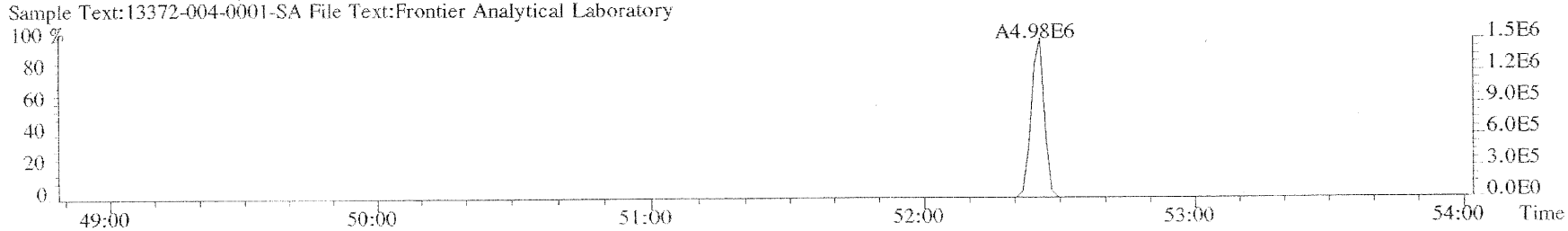
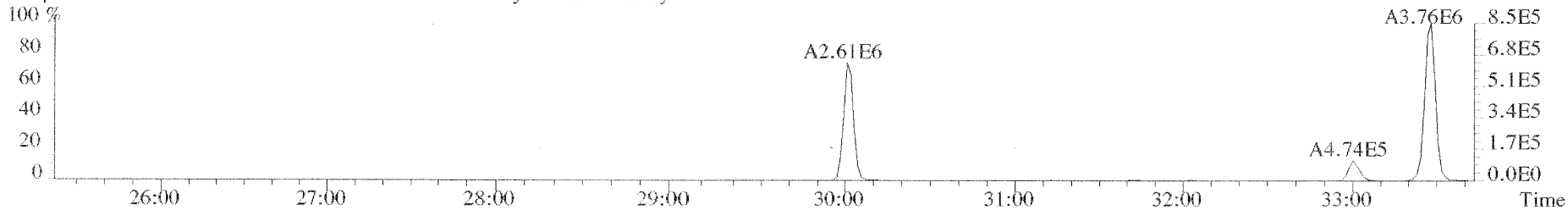
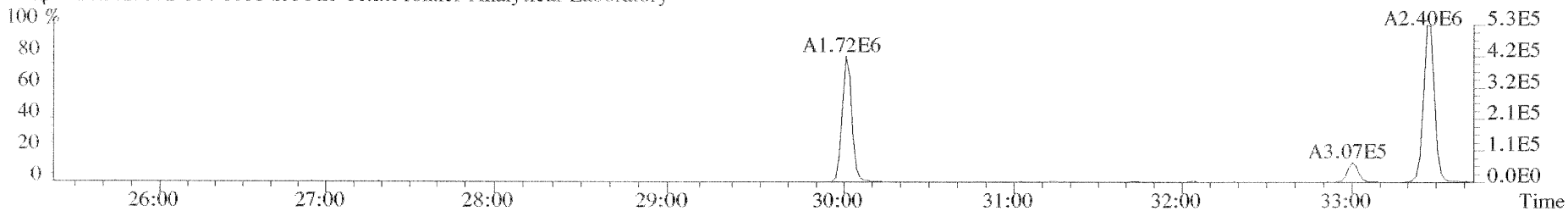
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



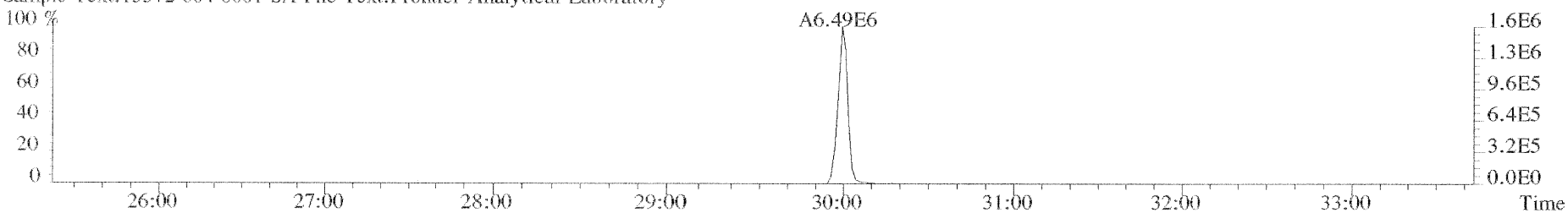
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



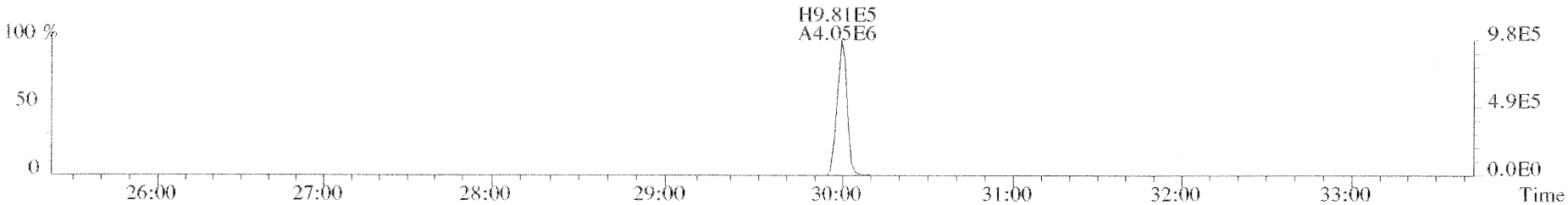
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



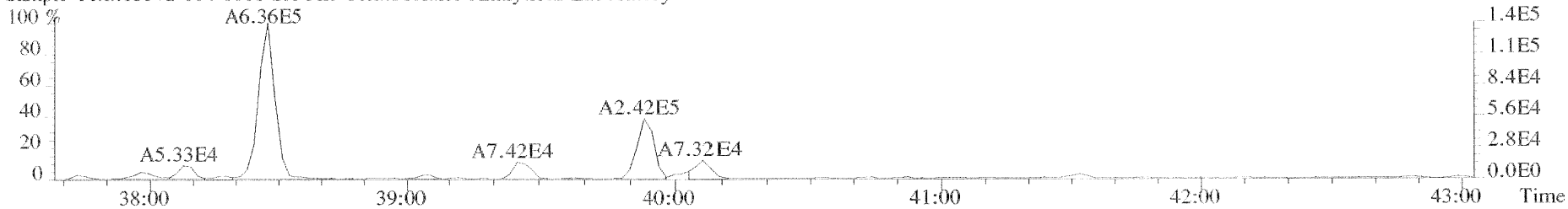
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



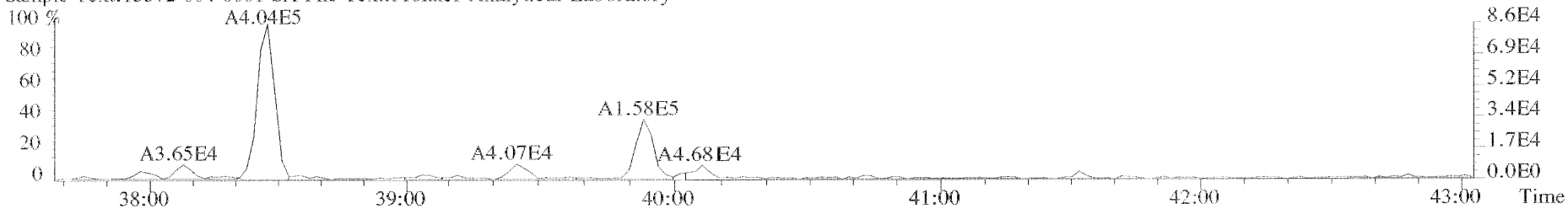
File:16OCT20Z #1-397 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



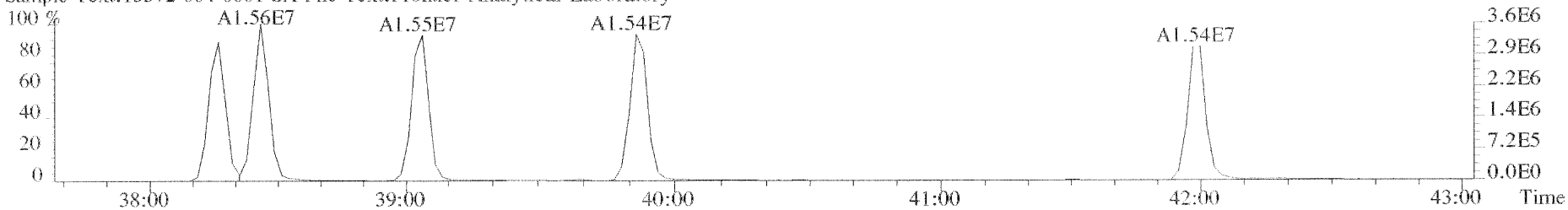
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



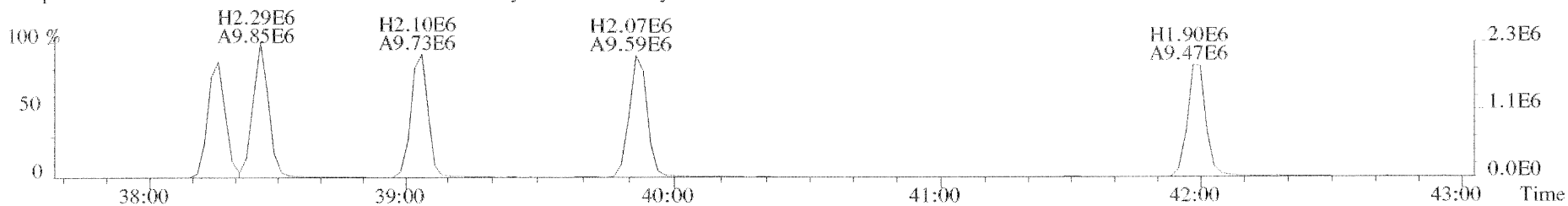
File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-407 Acq:16-OCT-2020 16:33:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-005-0001-SA Filename: 16OCT20Z Sam:11 Acquired: 16-OCT-20 17:32:20 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CA-S010-LONG ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.48	*		984	776	3.71			
13C-PCB-1	2.29e+07	3.29	y	14:30	0.70	9710					97.1	6.09e+06	1.88e+06
PCB-2	*	*	n	NotFnd	1.48	*		984	776	4.02			
PCB-3	*	*	n	NotFnd	1.47	*		984	776	4.35			
13C-PCB-3	2.23e+07	3.43	y	16:55	0.68	9740					97.4	5.31e+06	1.56e+06
PCB-4	3.44e+05	1.40	y	18:11	1.02	154		-	-	*			
PCB-10	*	*	n	NotFnd	1.54	*		880	2610	7.78			
13C-PCB-4	2.19e+07	1.59	y	18:10	0.67	9720					97.2	3.97e+06	2.45e+06
PCB-9	8.88e+04	1.47	y	19:51	1.40	23.4		-	-	*			
PCB-7	*	*	n	NotFnd	1.47	*		880	2610	8.16			
PCB-6	3.19e+05	1.64	y	20:29	1.39	84.4		-	-	*			
PCB-8	1.26e+06	1.48	y	20:51	1.40	333		-	-	*			
PCB-5	*	*	n	NotFnd	1.44	*		880	2610	8.33			
PCB-14	2.43e+06	1.35	y	21:54	1.39	644		-	-	*			
PCB-11	1.28e+05	1.43	y	23:02	1.30	36.3		-	-	*			
PCB-13	*	*	n	NotFnd	1.35	*		880	2610	8.83			
PCB-12	*	*	n	NotFnd	1.31	*		880	2610	9.10			
PCB-15	3.67e+05	1.52	y	23:42	1.23	91.9		-	-	*			
13C-PCB-15	3.24e+07	1.64	y	23:40	0.99	9700					97.0	4.91e+06	3.11e+06
PCB-19	2.41e+05	1.18	y	22:04	1.37	154		-	-	*			
PCB-30	*	*	n	NotFnd	2.00	*		1870	336	8.48			
PCB-18	1.76e+06	1.12	y	23:36	1.42	1090		-	-	*			
PCB-17	7.41e+05	1.12	y	23:46	1.52	427		-	-	*			
PCB-27	1.56e+05	1.02	y	24:17	1.97	69.5		-	-	*			
PCB-24	1.18e+05	1.09	y	24:18	1.97	52.6		-	-	*			
PCB-16	5.05e+05	1.16	y	24:46	1.70	261		-	-	*			
PCB-32	8.18e+05	1.14	y	24:48	1.77	405		-	-	*			
13C-PCB-19	1.14e+07	1.15	y	22:03	0.37	9140					91.4	1.73e+06	1.52e+06
13C-PCB-9	3.37e+07	1.60	y	19:50	-	55.4							
PCB-34	*	*	n	NotFnd	1.20	*		1280	1220	8.00			
PCB-23	*	*	n	NotFnd	1.16	*		1280	1220	8.28			
PCB-29	*	*	n	NotFnd	1.21	*		1280	1220	7.91			
PCB-26	6.75e+05	1.07	y	26:04	1.18	203		-	-	*			
PCB-25	3.76e+05	1.08	y	26:13	1.14	118		-	-	*			
PCB-31	2.85e+06	1.18	y	26:33	1.16	873		-	-	*			
PCB-28	3.34e+06	0.97	y	26:40	1.44	822		-	-	*			
PCB-20	1.85e+06	1.17	y	27:15	1.18	556		-	-	*		Co-elute PCB 21/33	
PCB-21	1.85e+06	1.17	y	27:15	1.18	556		-	-	*		Co-elute PCB 20/33	
PCB-33	1.85e+06	1.17	y	27:15	1.18	556		-	-	*		Co-elute PCB 20/21	
PCB-22	1.06e+06	1.08	y	27:40	1.29	291		-	-	*			
PCB-36	2.71e+06	1.09	y	28:14	1.20	799		-	-	*			
PCB-39	*	*	n	NotFnd	1.24	*		1280	1220	7.74			
PCB-38	*	*	n	NotFnd	1.23	*		1280	1220	7.81			
PCB-35	*	*	n	NotFnd	1.16	*		1280	1220	8.24			
PCB-37	5.19e+05	1.14	y	30:20	1.21	152		-	-	*			
13C-PCB-37	2.81e+07	1.08	y	30:18	1.83	10400					104	3.34e+06	3.16e+06

PCB-54	*	*	n	NotFnd	1.41	*		608	687	5.47			
PCB-50	3.08e+04	0.80	y	26:41	1.12	16.3	J	-	-	*			
PCB-53	4.62e+05	0.73	y	27:17	1.11	249		-	-	*			
PCB-51	1.76e+05	0.71	y	27:38	1.15	90.7		-	-	*			
PCB-45	3.99e+05	0.76	y	28:02	0.97	244		-	-	*			
PCB-46	1.68e+05	0.71	y	28:30	0.94	106		-	-	*			
PCB-52	2.22e+06	0.78	y	28:55	1.15	1150		-	-	*	Co-elute PCB 69		
PCB-69	2.22e+06	0.78	y	28:55	1.15	1150		-	-	*	Co-elute PCB 52		
PCB-73	5.02e+04	0.67	y	29:02	1.52	19.7	J	-	-	*			
PCB-43	1.50e+06	0.81	y	29:13	1.06	839		-	-	*	Co-elute PCB 49		
PCB-49	1.50e+06	0.81	y	29:13	1.06	839		-	-	*	Co-elute PCB 43		
PCB-47	5.66e+05	0.76	y	29:24	1.13	297		-	-	*			
PCB-48	4.49e+05	0.70	y	29:31	1.36	197		-	-	*	Co-elute PCB 75		
PCB-75	4.49e+05	0.70	y	29:31	1.36	197		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.45	*		608	687	5.31			
PCB-62	*	*	n	NotFnd	1.28	*		608	687	6.00			
PCB-44	1.29e+06	0.79	y	30:09	0.92	831		-	-	*			
PCB-42	7.02e+05	0.77	y	30:22	1.20	350		-	-	*	Co-elute PCB 59		
PCB-59	7.02e+05	0.77	y	30:22	1.20	350		-	-	*	Co-elute PCB 42		
PCB-72	1.64e+06	0.77	y	30:56	1.36	718		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.64e+06	0.77	y	30:56	1.36	718		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.64e+06	0.77	y	30:56	1.36	718		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.64e+06	0.77	y	30:56	1.36	718		-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.58e+04	0.74	y	31:10	1.55	13.7	J	-	-	*			
PCB-40	2.37e+05	0.78	y	31:23	0.87	163		-	-	*			
PCB-57	*	*	n	NotFnd	1.46	*		608	687	5.27			
PCB-67	6.79e+04	0.83	y	32:01	1.46	27.6		-	-	*			
PCB-58	*	*	n	NotFnd	1.45	*		608	687	5.30			
PCB-63	8.33e+04	0.68	y	32:17	1.49	33.3		-	-	*			
PCB-74	7.81e+05	0.80	y	32:32	1.48	314		-	-	*			
PCB-61	1.57e+06	0.78	y	32:44	1.34	697		-	-	*	Co-elute PCB 70		
PCB-70	1.57e+06	0.78	y	32:44	1.34	697		-	-	*	Co-elute PCB 61		
PCB-76	1.49e+06	0.76	y	32:55	1.53	580		-	-	*	Co-elute PCB 66		
PCB-66	1.49e+06	0.76	y	32:55	1.53	580		-	-	*	Co-elute PCB 76		
PCB-80	3.35e+04	0.81	y	33:09	1.74	11.4	J	-	-	*			
PCB-55	1.73e+05	0.79	y	33:29	1.52	68.0		-	-	*			
13C-PCB-54	1.68e+07	0.84	y	25:34	1.13	10100					101	1.94e+06	2.26e+06
PCB-104	3.73e+06	1.52	y	30:01	1.26	2770		-	-	*			
PCB-96	2.12e+04	1.57	y	31:13	1.23	16.1	J	-	-	*			
PCB-103	3.03e+04	1.65	y	31:42	1.05	27.1		-	-	*			
PCB-100	2.04e+04	1.46	y	32:04	1.05	18.1	J	-	-	*			
PCB-94	9.51e+03	1.43	y	32:30	0.89	10.0	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.90	*		264	488	7.74	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.90	*		264	488	7.74	Co-elute PCB 98		
PCB-95	9.96e+05	1.55	y	33:00	0.95	984		-	-	*			
PCB-93	*	*	n	NotFnd	0.94	*		264	488	7.36			
PCB-88	*	*	n	NotFnd	0.98	*		264	488	7.09	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.98	*		264	488	7.09	Co-elute PCB 88		
PCB-121	5.54e+06	1.58	y	33:28	1.25	4150		-	-	*			
13C-PCB-104	1.07e+07	1.62	y	29:59	0.74	9830					98.3	1.67e+06	1.03e+06
13C-PCB-28	3.21e+07	1.07	y	26:38	2.17	10000					100	4.33e+06	4.05e+06
13C-PCB-52	1.47e+07	0.81	y	28:54	-	49.9							

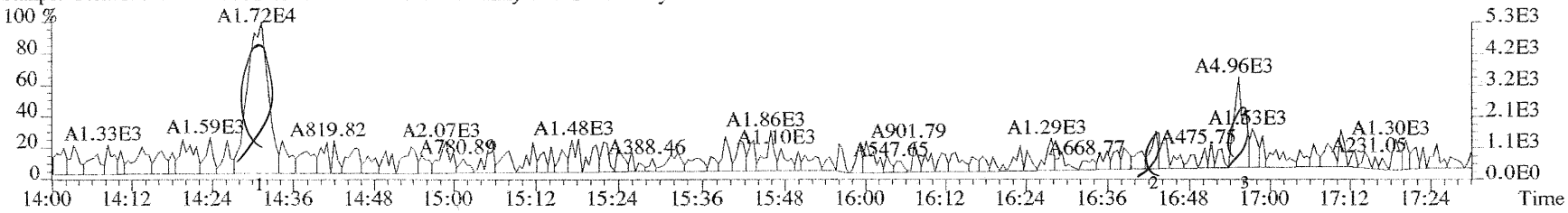
PCB-56	1.24e+06	0.72	y	33:54	1.22	464		-	-	*		Co-elute PCB 60
PCB-60	1.24e+06	0.72	y	33:54	1.22	464		-	-	*		Co-elute PCB 56
PCB-79	4.11e+04	0.66	y	34:56	1.29	14.6	J	-	-	*		
PCB-78	8.88e+06	0.80	y	35:35	1.26	3220		-	-	*		
PCB-81	8.52e+04	0.78	y	36:07	1.34	29.3		-	-	*		
13C-PCB-81	2.17e+07	0.80	y	36:04	1.76	9860					98.6	2.15e+06 2.65e+06
PCB-77	1.25e+05	0.81	y	36:38	1.18	48.6		-	-	*		
13C-PCB-77	2.19e+07	0.78	y	36:37	1.84	9550					95.5	1.99e+06 2.52e+06
PCB-155	6.67e+06	1.29	y	34:11	1.16	5100		-	-	*		
PCB-150	*	*	n	NotFnd	1.13	*		564	452	8.41		
PCB-152	*	*	n	NotFnd	1.11	*		564	452	8.52		
PCB-145	*	*	n	NotFnd	1.12	*		564	452	8.44		
PCB-136	2.01e+05	1.22	y	36:32	1.07	166		-	-	*		
PCB-148	*	*	n	NotFnd	0.87	*		564	452	10.9		
PCB-154	3.82e+04	1.35	y	37:06	0.94	35.9		-	-	*		
13C-PCB-155	1.13e+07	1.37	y	34:09	0.98	9190					91.9	1.56e+06 1.13e+06
13C-PCB-111	1.57e+07	1.65	y	36:13	1.26	10000					100.0	2.19e+06 1.32e+06
13C-PCB-101	1.25e+07	1.61	y	34:35	-	46.7						
PCB-84	7.38e+05	1.74	y	34:16	0.65	504		-	-	*		Co-elute PCB 92
PCB-92	7.38e+05	1.74	y	34:16	0.65	504		-	-	*		Co-elute PCB 84
PCB-89	2.41e+04	1.40	y	34:26	0.64	16.5	J	-	-	*		
PCB-90	1.55e+06	1.60	y	34:37	0.71	962		-	-	*		Co-elute PCB 101
PCB-101	1.55e+06	1.60	y	34:37	0.71	962		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.80	*		852	650	9.06		
PCB-99	7.17e+05	1.57	y	34:55	0.82	388		-	-	*		
PCB-119	5.82e+04	1.52	y	35:20	0.93	27.6		-	-	*		
PCB-83	7.60e+04	1.37	y	35:31	0.73	45.8		-	-	*		Co-elute PCB 112
PCB-112	7.60e+04	1.37	y	35:31	0.73	45.8		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.87	*		852	650	8.26		
PCB-97	4.02e+05	1.48	y	35:50	0.63	281		-	-	*		
PCB-86	*	*	n	NotFnd	0.61	*		852	650	11.8		
PCB-125	5.71e+05	1.58	y	36:07	0.84	298		-	-	*		Co-elute PCB 87/117
PCB-87	5.71e+05	1.58	y	36:07	0.84	298		-	-	*		Co-elute PCB 125/117
PCB-117	5.71e+05	1.58	y	36:07	0.84	298		-	-	*		Co-elute PCB 125/87
PCB-111	3.68e+04	1.47	y	36:16	0.92	17.7	J	-	-	*		Co-elute PCB 115
PCB-115	3.68e+04	1.47	y	36:16	0.92	17.7	J	-	-	*		Co-elute PCB 111
PCB-85	2.19e+05	1.73	y	36:22	0.78	123		-	-	*		Co-elute PCB 116
PCB-116	2.19e+05	1.73	y	36:22	0.78	123		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.98	*		852	650	7.40		
PCB-110	1.68e+06	1.66	y	36:45	0.91	816		-	-	*		
PCB-82	1.26e+05	1.57	y	37:20	0.57	97.7		-	-	*		
PCB-124	7.00e+04	1.43	y	37:59	1.17	26.4		-	-	*		
PCB-108	1.05e+05	1.50	y	38:09	1.17	39.7		-	-	*		Co-elute PCB 107
PCB-107	1.05e+05	1.50	y	38:09	1.17	39.7		-	-	*		Co-elute PCB 108
PCB-123	3.45e+04	1.52	y	38:18	1.13	13.8	J	-	-	*		
13C-PCB-123	2.23e+07	1.59	y	38:16	1.42	10300					103	3.26e+06 2.04e+06
PCB-118	1.29e+06	1.61	y	38:27	1.15	480		-	-	*		Co-elute PCB 106
PCB-106	1.29e+06	1.61	y	38:27	1.15	480		-	-	*		Co-elute PCB 118
13C-PCB-118	2.34e+07	1.59	y	38:26	1.57	9800					98.0	3.31e+06 2.12e+06
PCB-114	3.32e+04	1.42	y	39:05	1.20	12.1	J	-	-	*		
13C-PCB-114	2.27e+07	1.60	y	39:04	1.55	9630					96.3	3.24e+06 2.01e+06
PCB-122	2.82e+04	1.59	y	39:12	1.21	10.3	J	-	-	*		
PCB-105	4.42e+05	1.58	y	39:53	1.21	164		-	-	*		
13C-PCB-105	2.22e+07	1.60	y	39:51	1.52	9610					96.1	2.95e+06 1.87e+06

PCB-127	*	*	n	NotFnd	1.13	*		840	720	6.65				
PCB-126	*	*	n	NotFnd	1.17	*		840	720	7.69				
13C-PCB-126	2.14e+07	1.59	y	42:00	1.41	9970					99.7	2.67e+06	1.66e+06	
PCB-151	4.01e+05	1.33	y	37:43	1.04	232		-	-	*				
PCB-135	1.98e+05	1.37	y	37:56	1.03	116		-	-	*				
PCB-144	6.96e+04	1.41	y	38:01	1.08	39.0		-	-	*				
PCB-147	2.95e+04	1.37	y	38:09	1.10	16.2	J	-	-	*				
PCB-139	1.31e+06	1.24	y	38:24	1.11	709		-	-	*		Co-elute PCB 149		
PCB-149	1.31e+06	1.24	y	38:24	1.11	709		-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.12	*		940	720	9.72				
PCB-143	7.78e+04	1.15	y	39:00	0.95	49.6		-	-	*		Co-elute PCB 134		
PCB-134	7.78e+04	1.15	y	39:00	0.95	49.6		-	-	*		Co-elute PCB 143		
PCB-131	4.64e+04	1.11	y	39:15	0.95	29.5		-	-	*		Co-elute PCB 133		
PCB-133	4.64e+04	1.11	y	39:15	0.95	29.5		-	-	*		Co-elute PCB 131		
PCB-142	1.30e+06	1.21	y	39:27	0.96	817		-	-	*				
PCB-165	2.27e+05	1.32	y	39:38	1.24	110		-	-	*		Co-elute PCB 146		
PCB-146	2.27e+05	1.32	y	39:38	1.24	110		-	-	*		Co-elute PCB 165		
PCB-161	3.79e+05	1.18	y	39:55	1.17	196		-	-	*		Co-elute PCB 132		
PCB-132	3.79e+05	1.18	y	39:55	1.17	196		-	-	*		Co-elute PCB 161		
PCB-153	1.44e+06	1.31	y	40:01	1.25	696		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		940	720	7.90				
PCB-141	1.90e+05	1.36	y	40:42	1.06	108		-	-	*				
PCB-137	3.90e+04	1.17	y	41:04	1.05	22.4		-	-	*				
PCB-130	7.62e+04	1.34	y	41:10	0.94	49.0		-	-	*				
PCB-138	1.24e+06	1.34	y	41:32	1.24	603		-	-	*		Co-elute PCB 163/164		
PCB-163	1.24e+06	1.34	y	41:32	1.24	603		-	-	*		Co-elute PCB 138/164		
PCB-164	1.24e+06	1.34	y	41:32	1.24	603		-	-	*		Co-elute PCB 138/163		
PCB-158	1.27e+05	1.20	y	41:45	1.38	55.7		-	-	*		Co-elute PCB 160		
PCB-160	1.27e+05	1.20	y	41:45	1.38	55.7		-	-	*		Co-elute PCB 158		
PCB-129	4.15e+04	1.20	y	42:00	0.90	27.8		-	-	*				
PCB-166	*	*	n	NotFnd	1.34	*		940	720	8.12				
PCB-159	3.07e+04	1.19	y	42:46	1.39	13.4	J	-	-	*				
PCB-128	1.53e+05	1.27	y	42:59	1.16	79.4		-	-	*		Co-elute PCB 162		
PCB-162	1.53e+05	1.27	y	42:59	1.16	79.4		-	-	*		Co-elute PCB 128		
PCB-167	3.89e+04	1.18	y	43:22	1.26	18.2	J	-	-	*				
13C-PCB-167	1.70e+07	1.29	y	43:20	1.13	9830					98.3	2.10e+06	1.63e+06	
PCB-156	8.97e+04	1.13	y	44:36	1.32	42.7		-	-	*				
13C-PCB-156	1.60e+07	1.29	y	44:34	1.08	9700					97.0	2.14e+06	1.68e+06	
PCB-157	2.91e+04	1.10	y	44:51	1.27	13.9	J	-	-	*				
13C-PCB-157	1.65e+07	1.27	y	44:49	1.10	9870					98.7	1.88e+06	1.54e+06	
PCB-169	*	*	n	NotFnd	1.23	*		940	720	7.71				
13C-PCB-169	1.68e+07	1.30	y	46:43	1.04	10600					106	2.48e+06	1.90e+06	

PCB-188	*	*	n	NotFnd	1.20	*	360	396	5.71				
13C-PCB-188	1.13e+07	1.09	y	39:38	0.90	8230				82.3	1.46e+06	1.29e+06	
PCB-184	8.27e+06	1.07	y	40:06	1.35	5660	-	-	*				
PCB-179	1.24e+05	1.03	y	40:49	1.32	86.4	-	-	*				
PCB-176	4.14e+04	1.13	y	41:15	1.27	30.1	-	-	*				
PCB-186	*	*	n	NotFnd	1.26	*	360	396	5.16				
PCB-178	3.66e+04	1.15	y	42:18	0.91	36.9	-	-	*				
PCB-175	*	*	n	NotFnd	0.95	*	360	396	6.79				
PCB-187	2.23e+05	1.15	y	42:46	1.02	201	-	-	*		Co-elute PCB 182		
PCB-182	2.23e+05	1.15	y	42:46	1.02	201	-	-	*		Co-elute PCB 187		
PCB-183	1.09e+05	1.10	y	43:06	1.02	98.3	-	-	*				
PCB-185	*	*	n	NotFnd	0.94	*	360	396	6.90				
PCB-174	1.59e+05	1.13	y	44:03	1.00	147	-	-	*				
PCB-181	*	*	n	NotFnd	0.88	*	360	396	7.33				
PCB-177	9.41e+04	1.13	y	44:20	0.86	100	-	-	*				
PCB-171	4.69e+04	1.05	y	44:36	0.93	46.7	-	-	*				
PCB-173	*	*	n	NotFnd	0.83	*	360	396	7.83				
PCB-172	1.42e+05	1.13	y	45:22	0.85	154	-	-	*				
PCB-192	5.65e+06	1.08	y	45:34	1.12	4640	-	-	*				
PCB-180	2.38e+05	1.13	y	45:45	0.88	249	-	-	*				
PCB-193	*	*	n	NotFnd	1.21	*	360	396	5.37				
PCB-191	*	*	n	NotFnd	1.16	*	360	396	5.60				
PCB-170	9.52e+04	1.03	y	47:03	0.88	99.7	-	-	*				
PCB-190	3.40e+04	1.12	y	47:11	1.14	27.6	-	-	*				
PCB-189	*	*	n	NotFnd	1.20	*	360	396	5.05				
13C-PCB-189	1.04e+07	1.10	y	48:23	0.74	9280				92.8	1.68e+06	1.45e+06	
PCB-202	*	*	n	NotFnd	1.12	*	416	436	10.8				
PCB-201	*	*	n	NotFnd	1.28	*	416	436	9.52				
PCB-204	1.04e+07	0.95	y	45:22	1.24	11100	-	-	*				
PCB-197	5.19e+04	0.95	y	45:37	1.29	53.0	-	-	*				
PCB-200	*	*	n	NotFnd	1.28	*	416	436	9.51				
PCB-198	*	*	n	NotFnd	0.96	*	416	436	12.6				
PCB-199	3.39e+04	0.83	y	47:39	0.93	48.1	-	-	*				
PCB-203	4.07e+04	0.83	y	47:54	0.98	54.6	-	-	*		Co-elute PCB 196		
PCB-196	4.07e+04	0.83	y	47:54	0.98	54.6	-	-	*		Co-elute PCB 203		
13C-PCB-202	7.59e+06	0.94	y	44:46	0.55	9000				90.0	8.55e+05	8.95e+05	
13C-PCB-178	8.64e+06	1.10	y	42:16	0.66	8570				85.7	1.09e+06	1.01e+06	
13C-PCB-138	1.52e+07	1.32	y	41:30	-	50.6							
PCB-195	*	*	n	NotFnd	0.91	*	1010	1240	9.55				
PCB-194	6.60e+04	0.91	y	49:48	0.93	35.9	-	-	*				
PCB-205	*	*	n	NotFnd	1.14	*	1010	1240	7.59				
13C-PCB-205	1.98e+07	0.91	y	50:02	1.24	9910				99.1	3.04e+06	3.47e+06	
PCB-208	*	*	n	NotFnd	1.13	*	536	676	4.55				
13C-PCB-208	1.63e+07	0.83	y	49:07	1.08	9360				93.6	2.70e+06	3.18e+06	
PCB-207	7.90e+04	1.39	y	49:25	1.31	42.4	-	-	*				
PCB-206	*	*	n	NotFnd	1.17	*	536	676	6.44				
13C-PCB-206	1.22e+07	0.79	y	51:14	0.77	9790				97.9	1.74e+06	2.29e+06	
PCB-209	7.67e+04	1.32	y	52:26	1.27	54.5	-	-	*				
13C-PCB-209	1.11e+07	1.18	y	52:26	0.73	9400				94.0	1.84e+06	1.51e+06	
13C-PCB-194	1.61e+07	0.92	y	49:48	-	52.0							

Analyst: _____ Date: 10/19/20

File:16OCT20Z #1-783 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-783 Acq:16-OCT-2020 17:32:20 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
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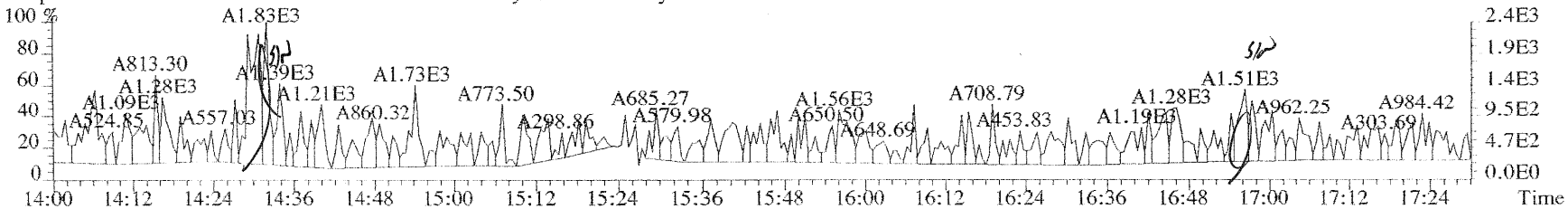

File:16OCT20Z #1-783 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
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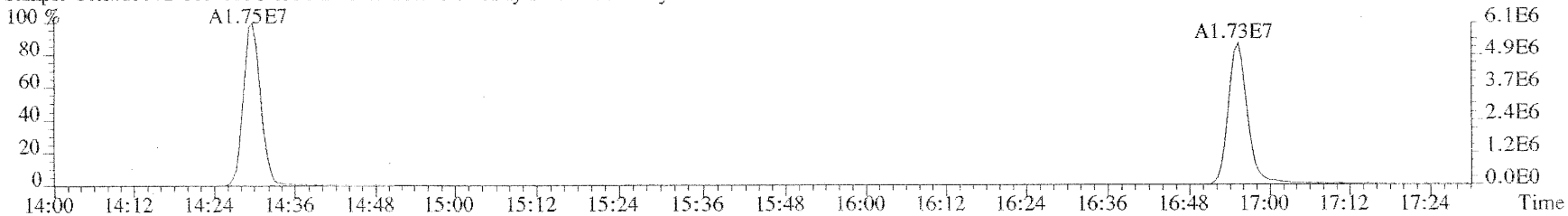

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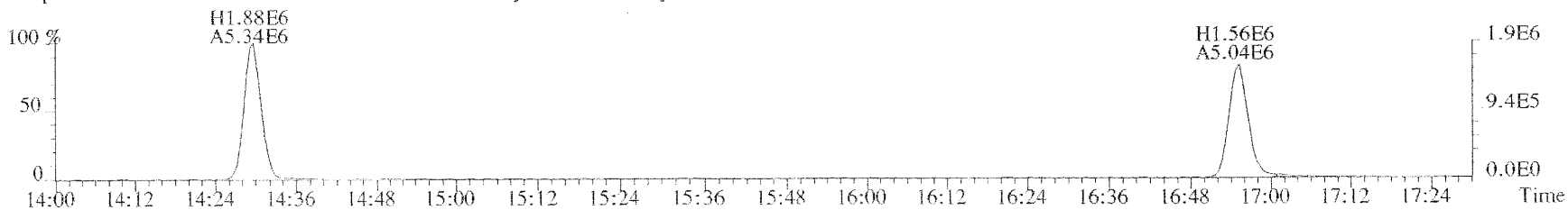
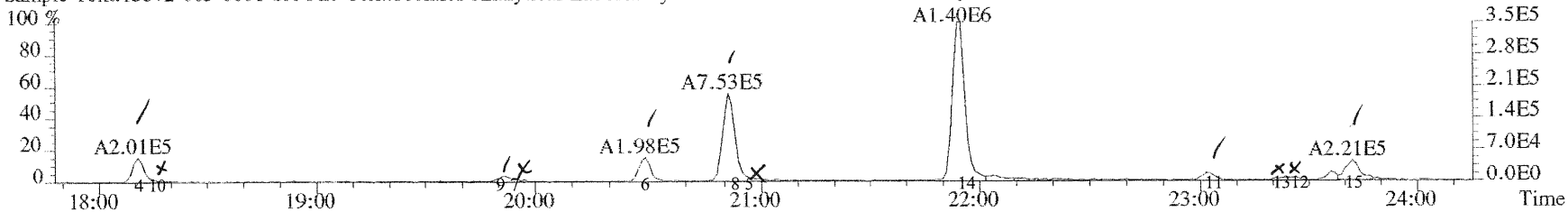


File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
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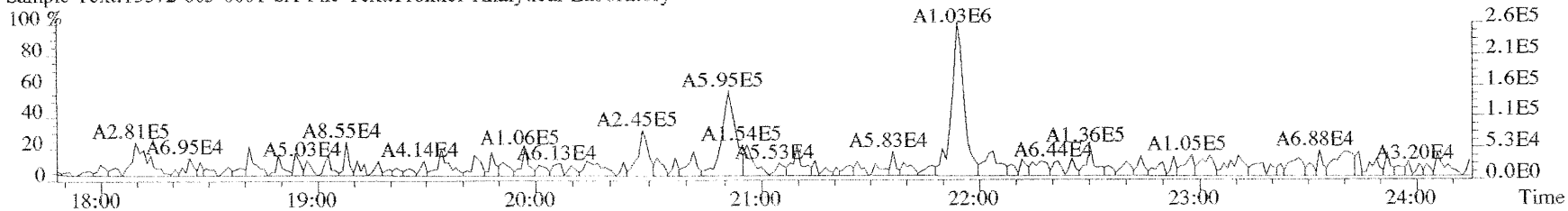
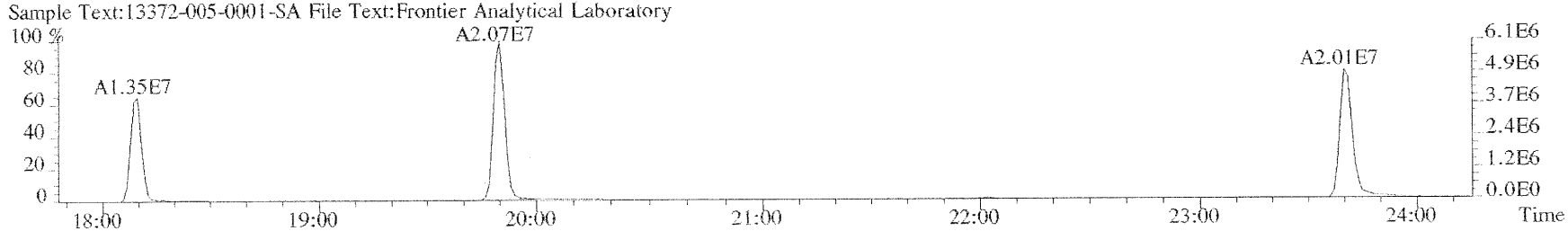
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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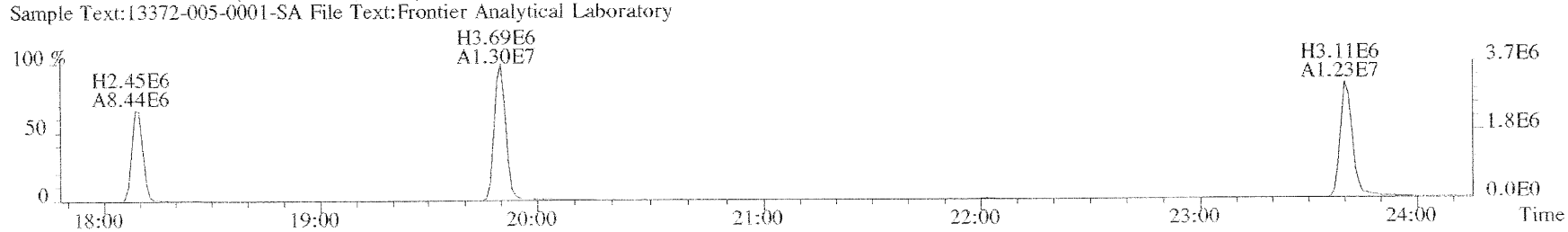
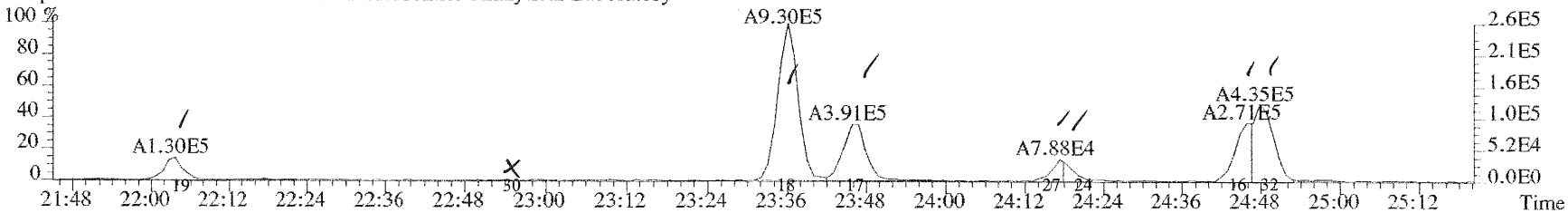
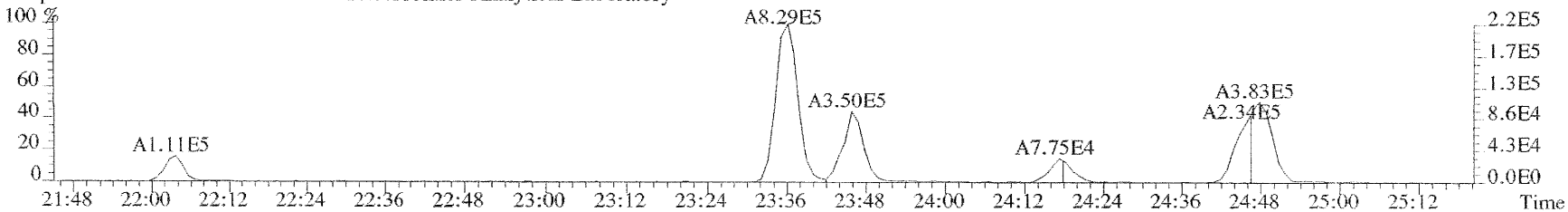


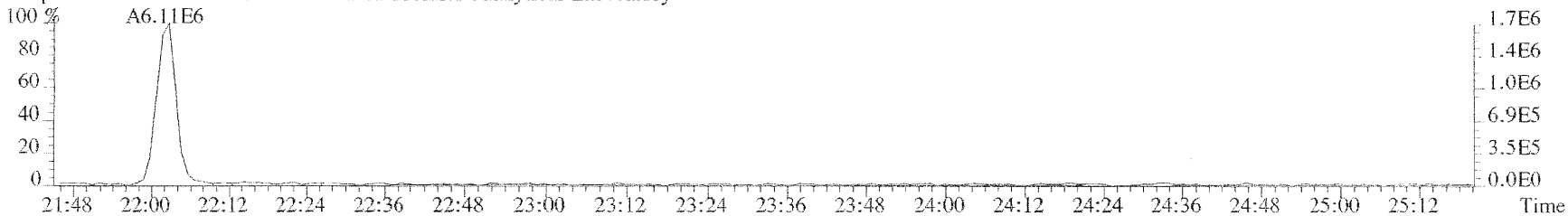
File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



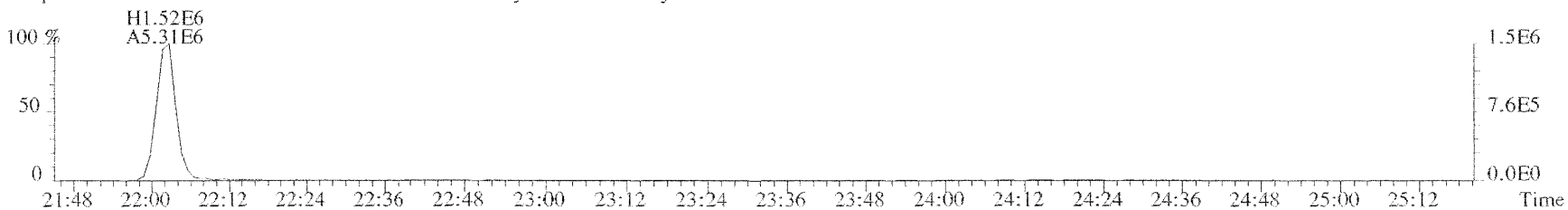
File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
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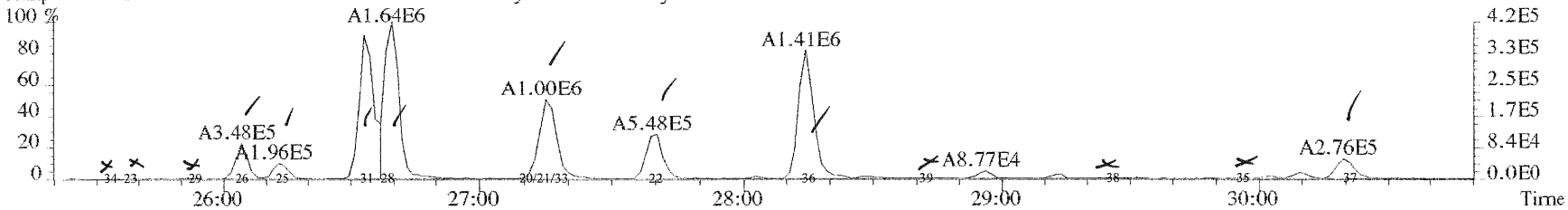
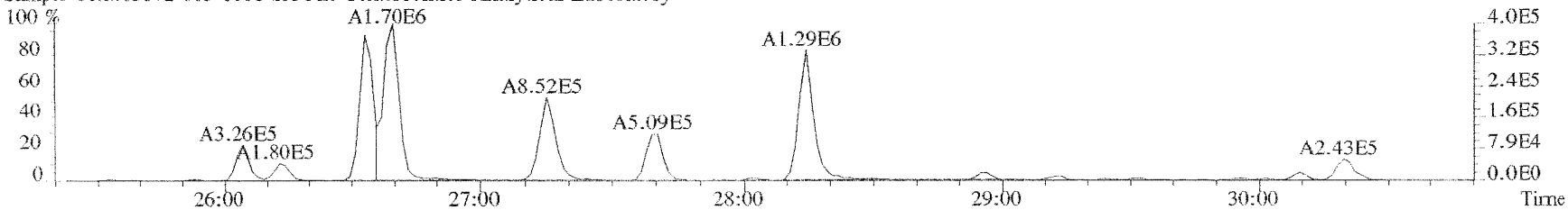
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



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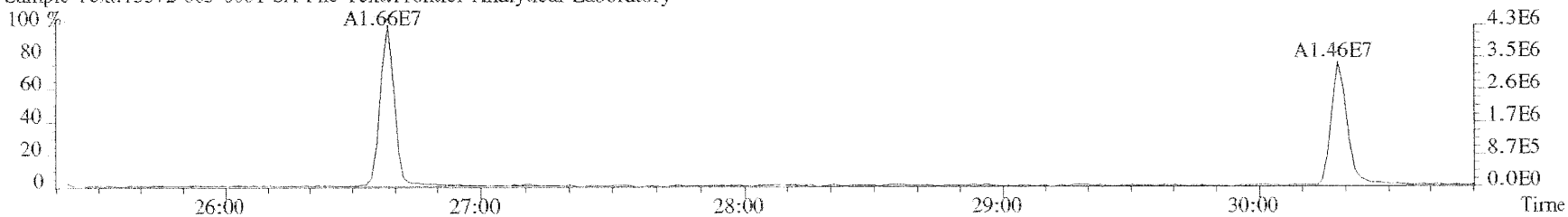
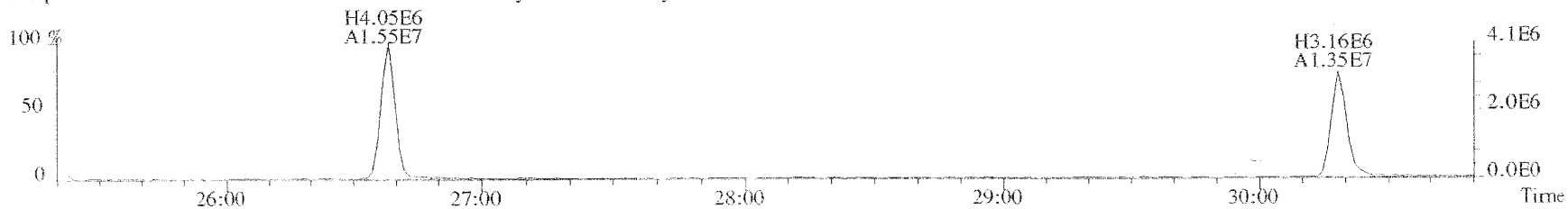
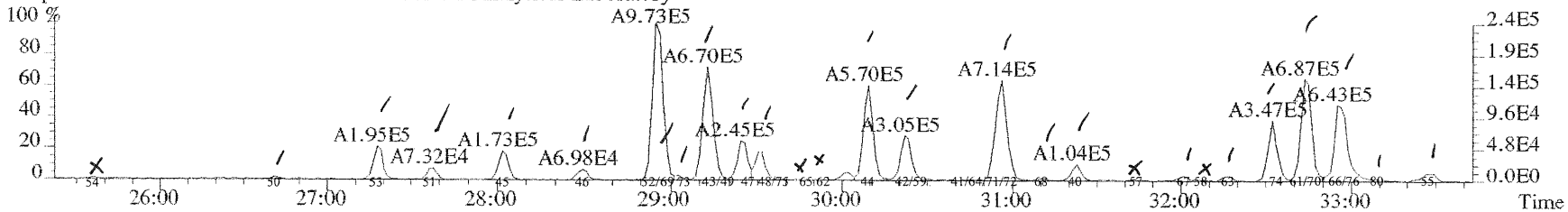
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



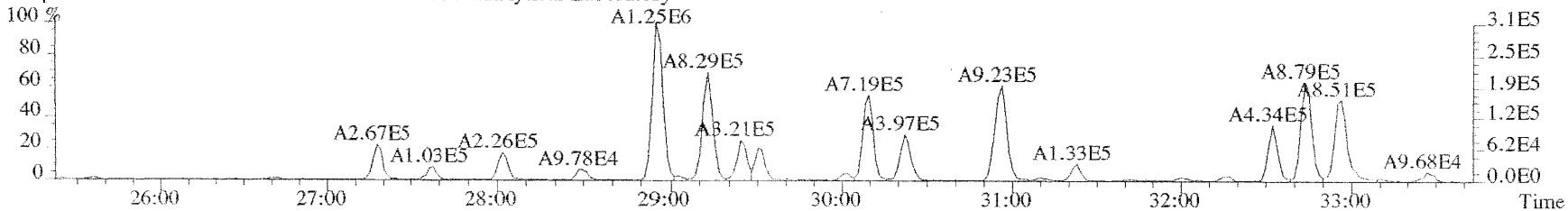
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



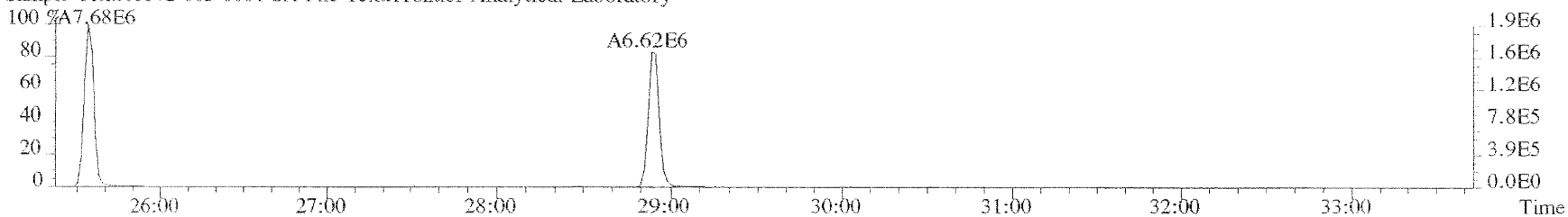
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



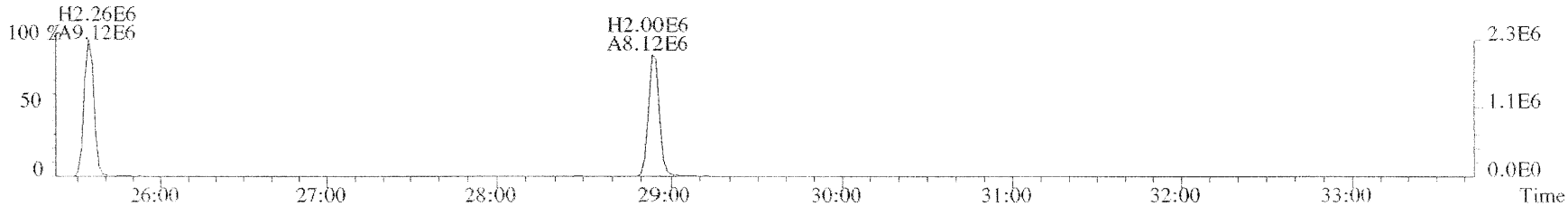
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



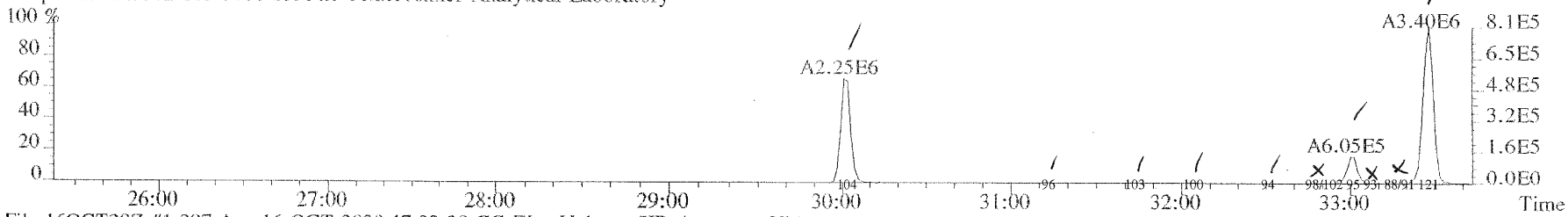
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



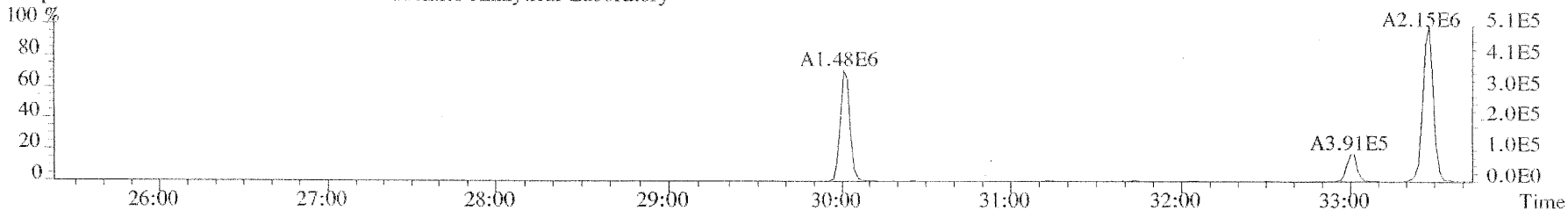
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



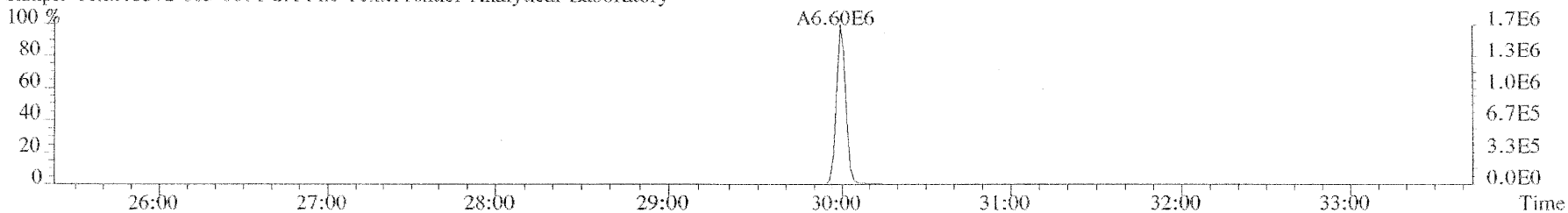
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



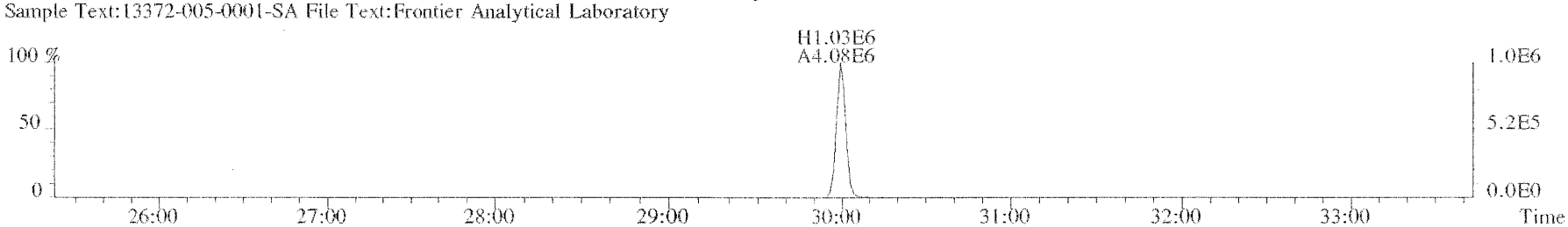
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



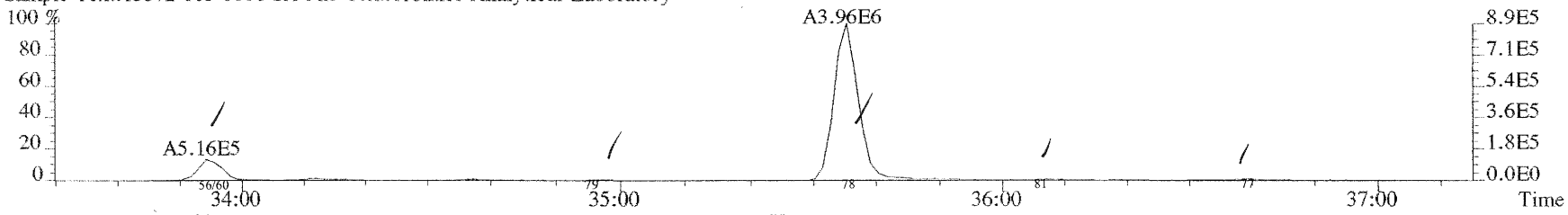
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



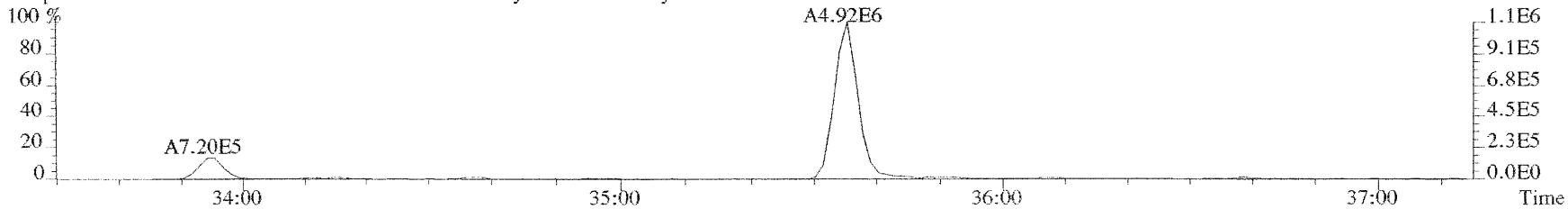
File:16OCT20Z #1-397 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



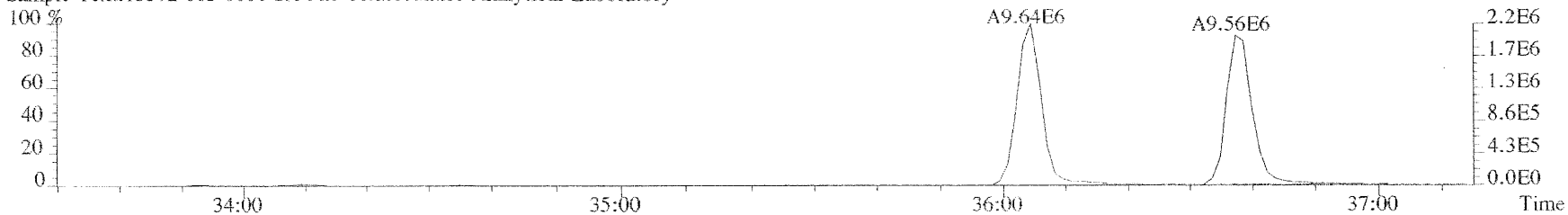
File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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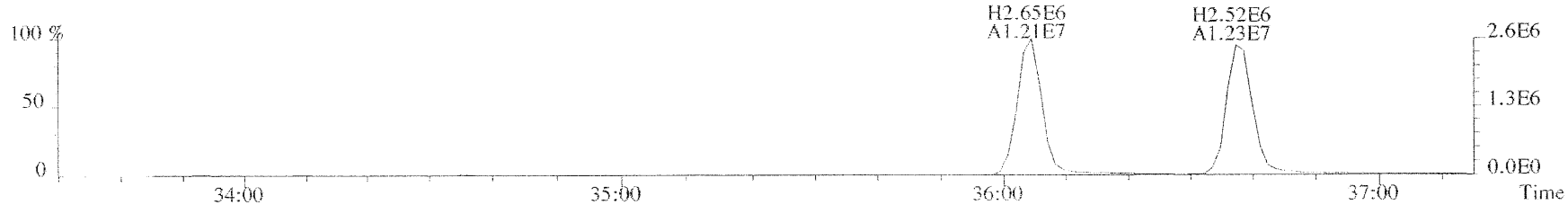
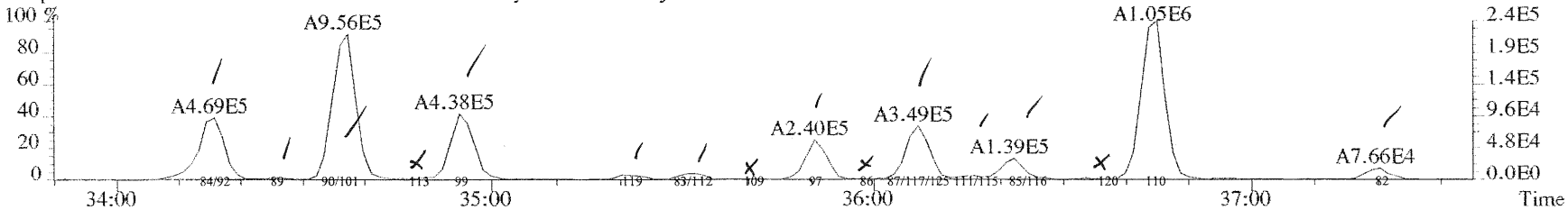
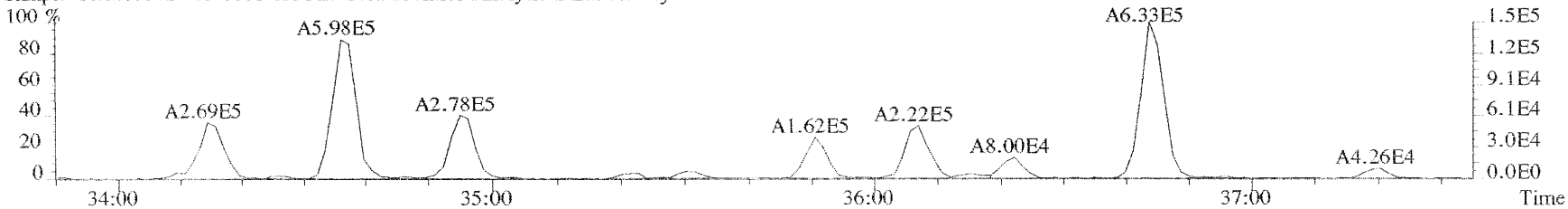


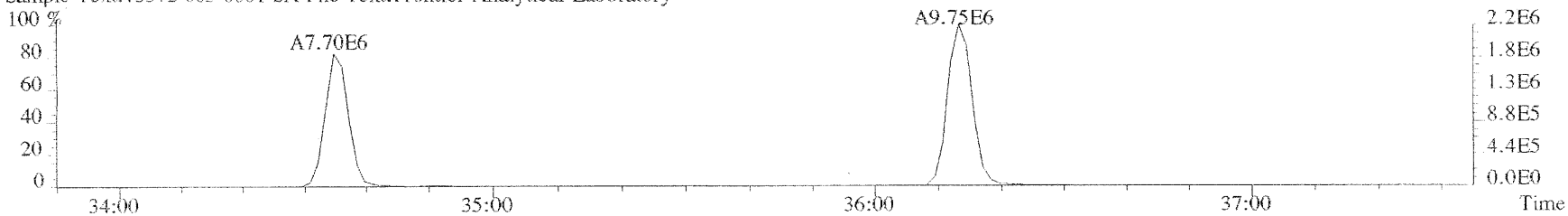
File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



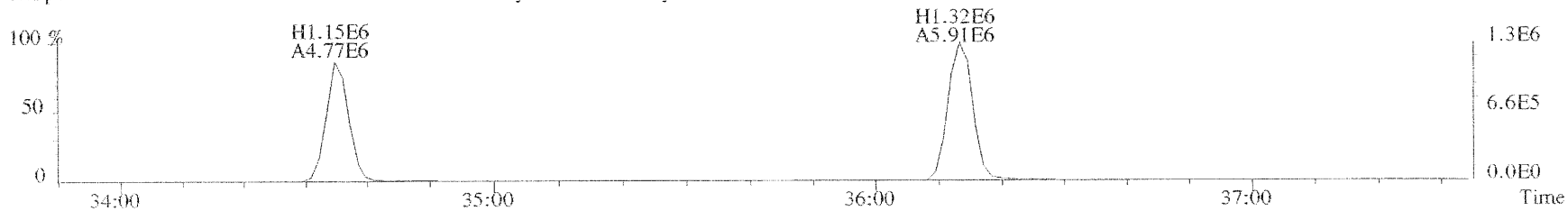
File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



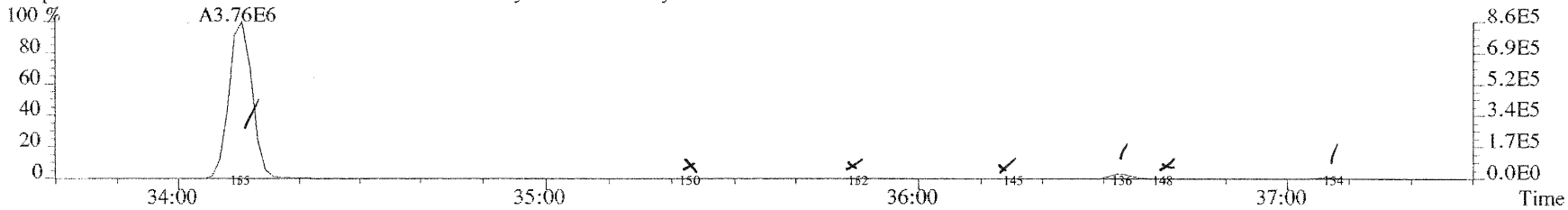
File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



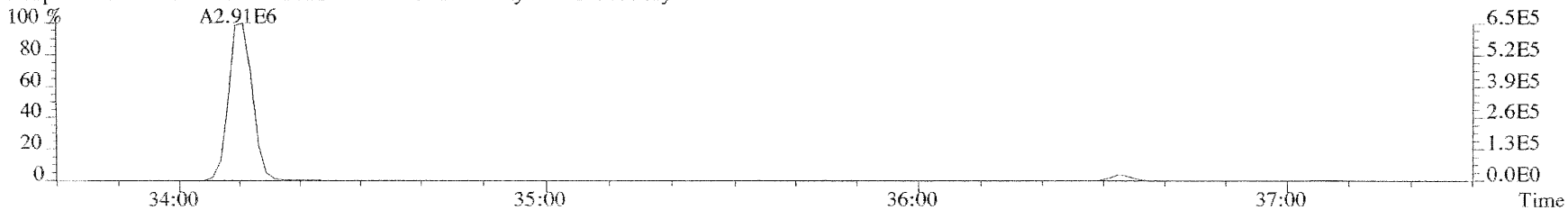
File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-183 Acq:16-OCT-2020 17:32:20 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:13372-005-0001-SA File Text:Frontier Analytical Laboratory



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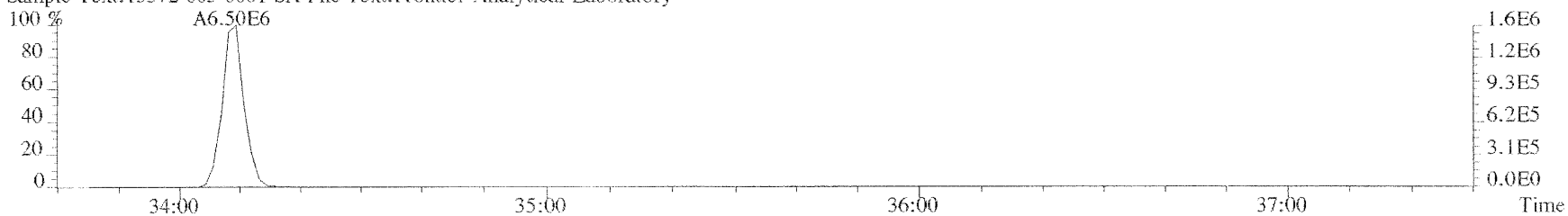
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



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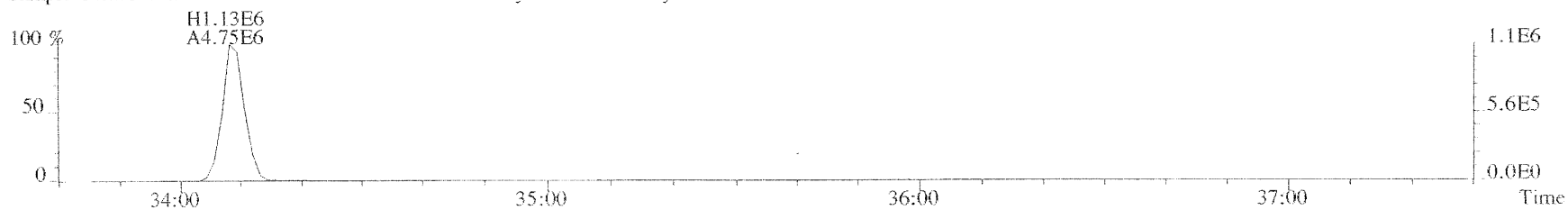
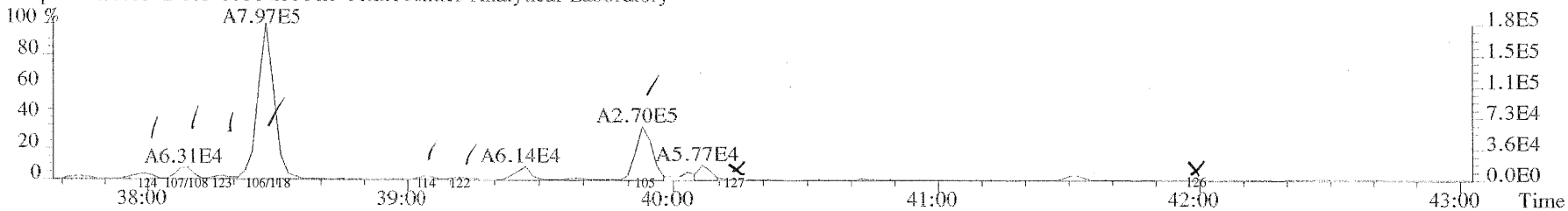
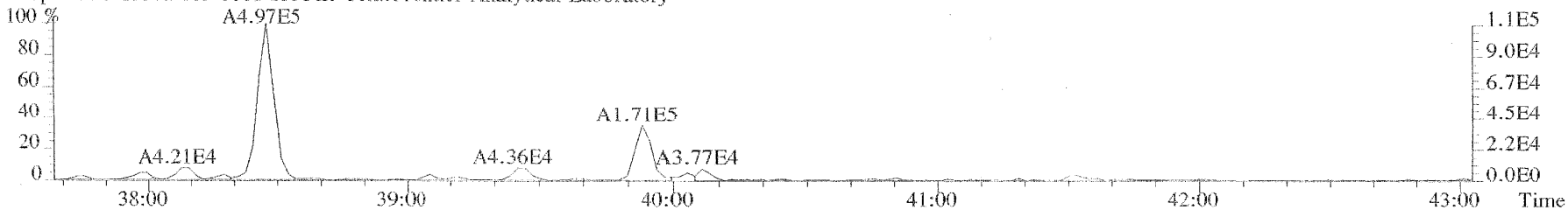
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



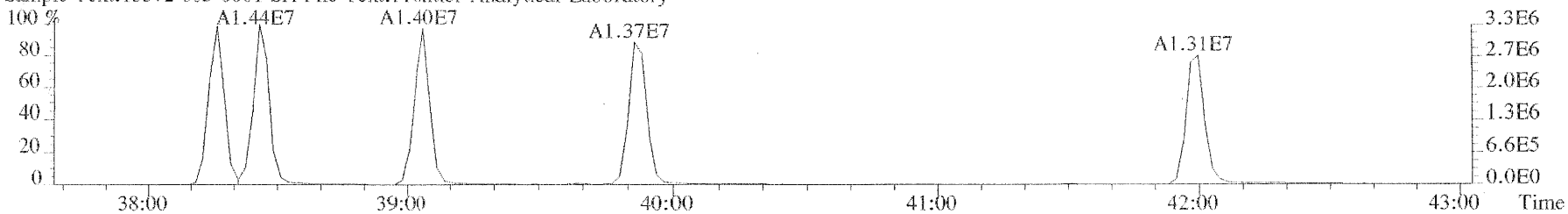
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



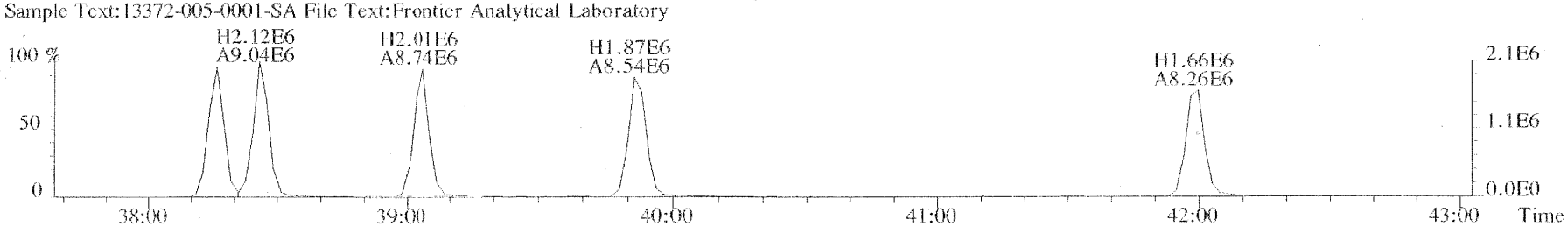
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



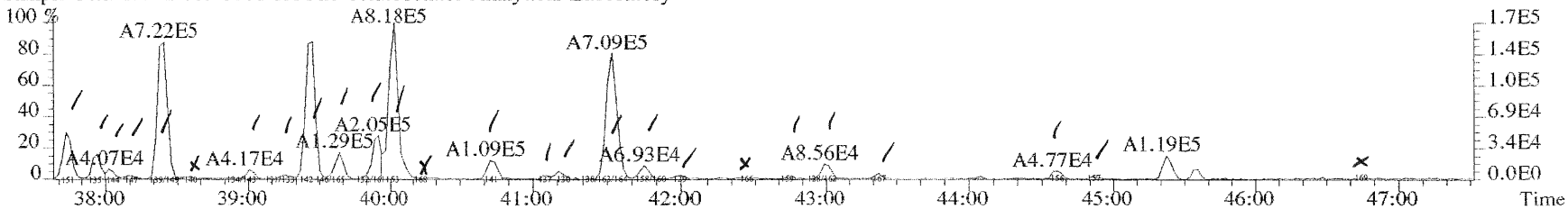
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
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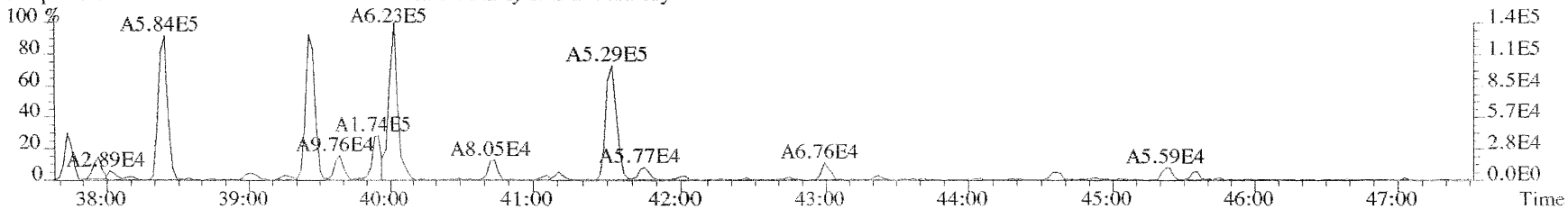
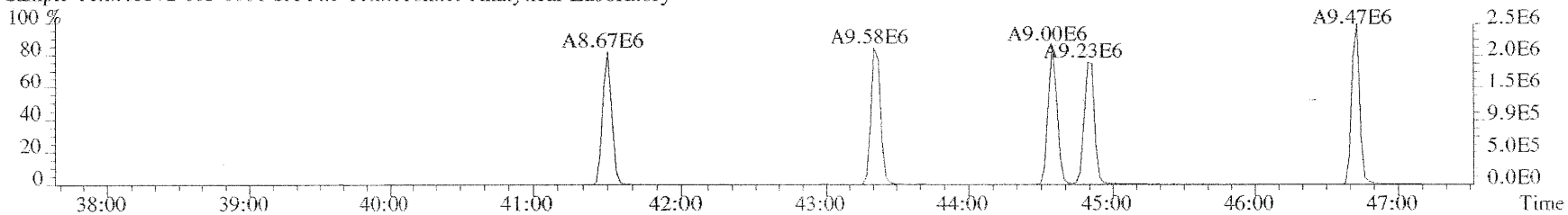
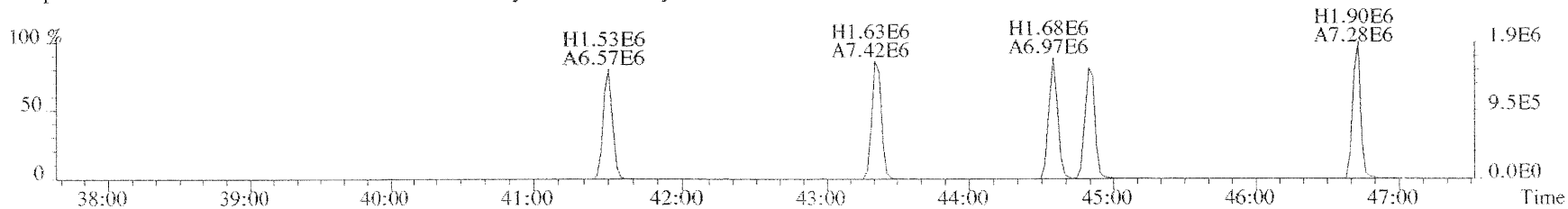
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



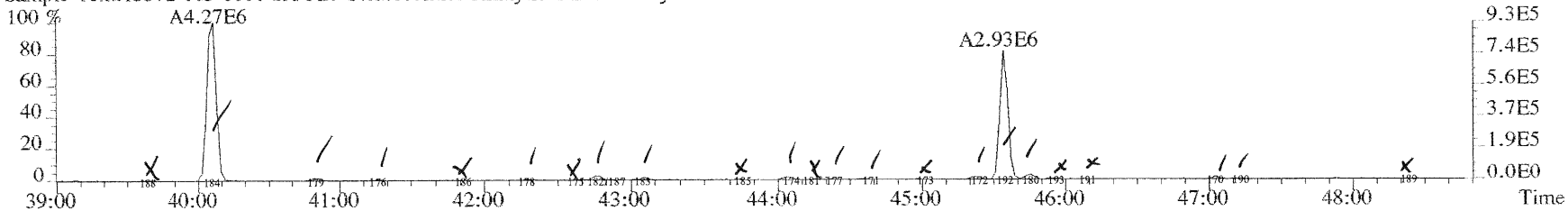
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



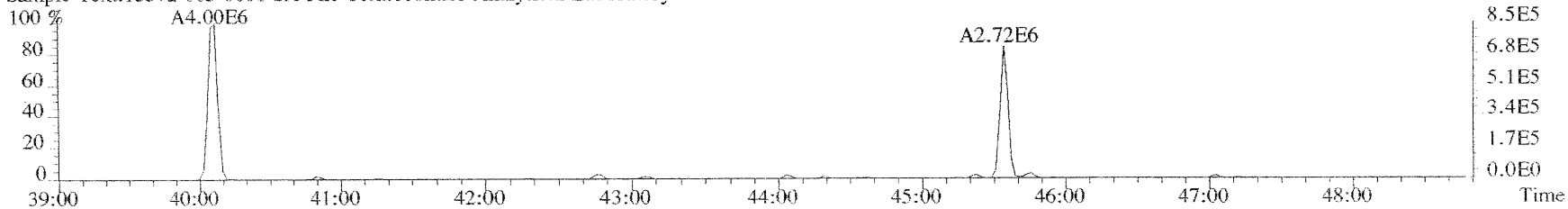
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



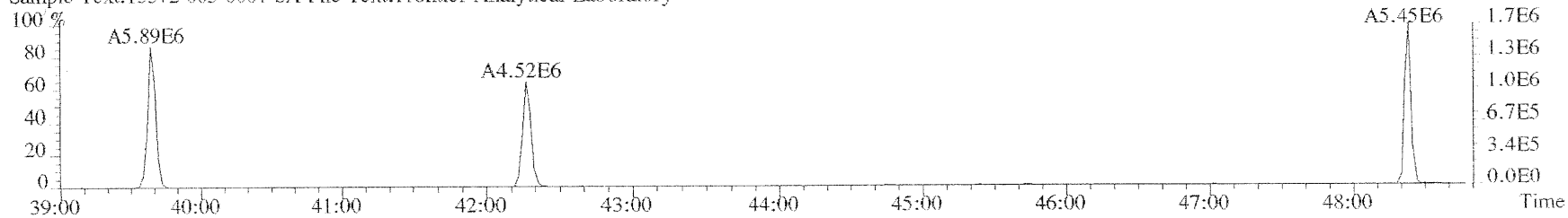
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



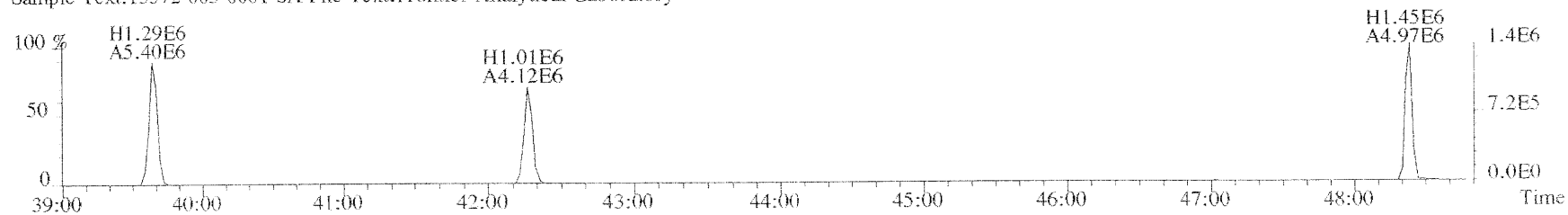
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



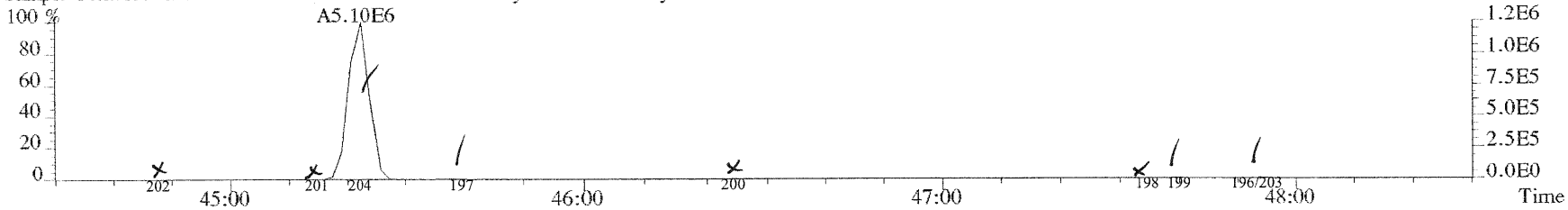
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



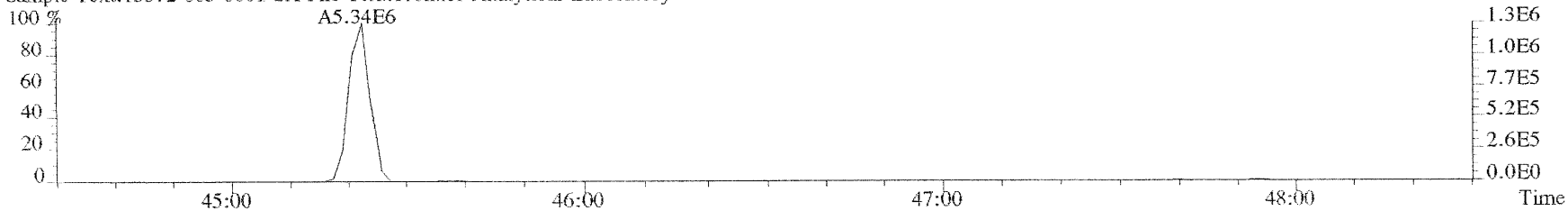
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



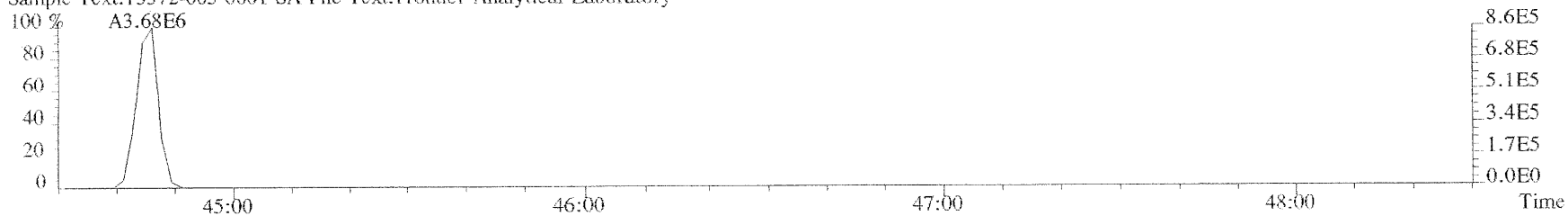
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



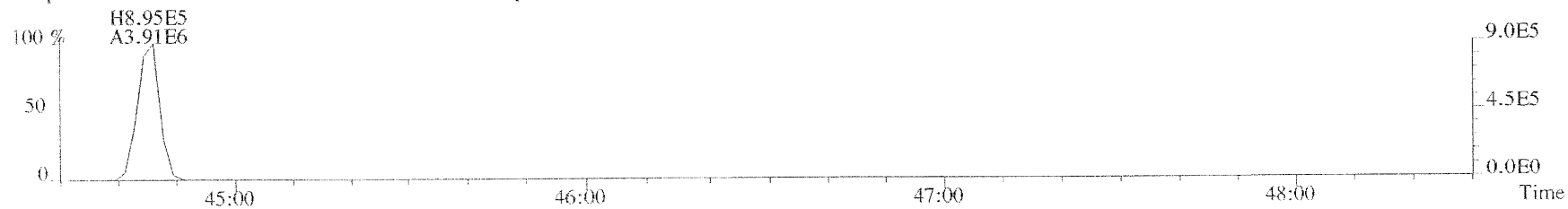
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



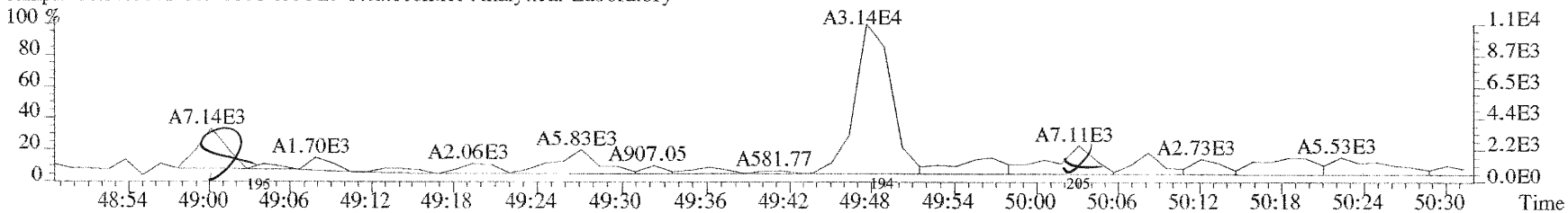
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



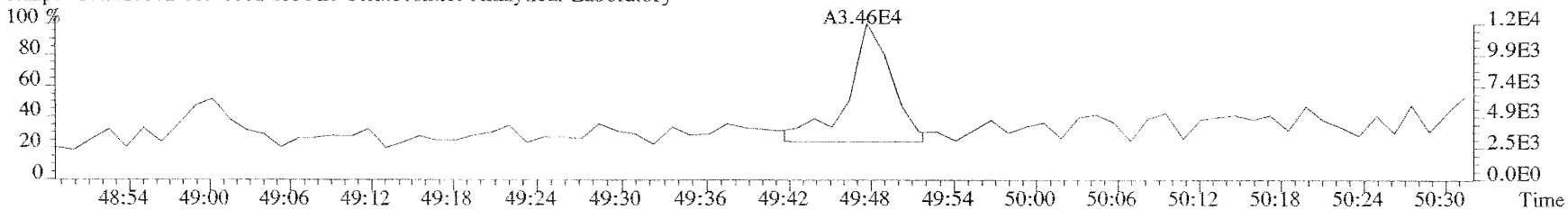
File:16OCT20Z #1-407 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



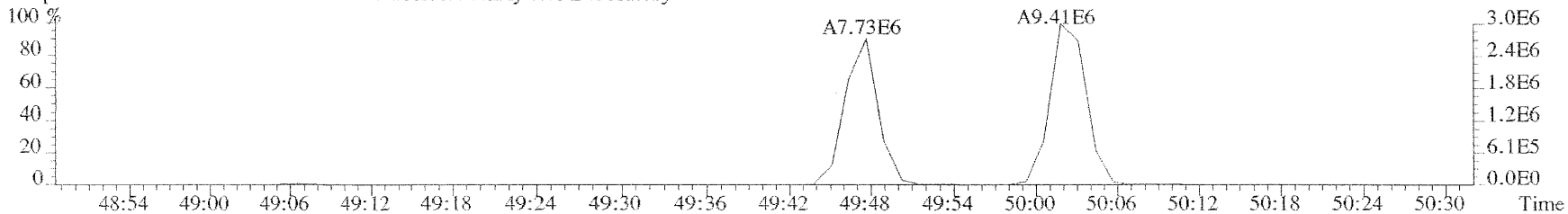
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



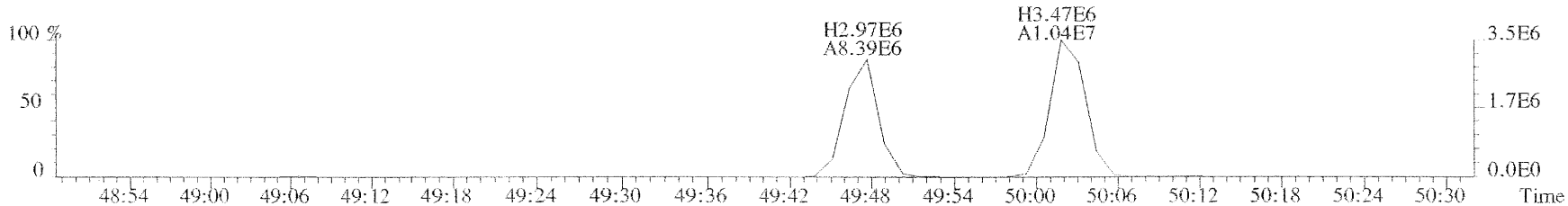
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



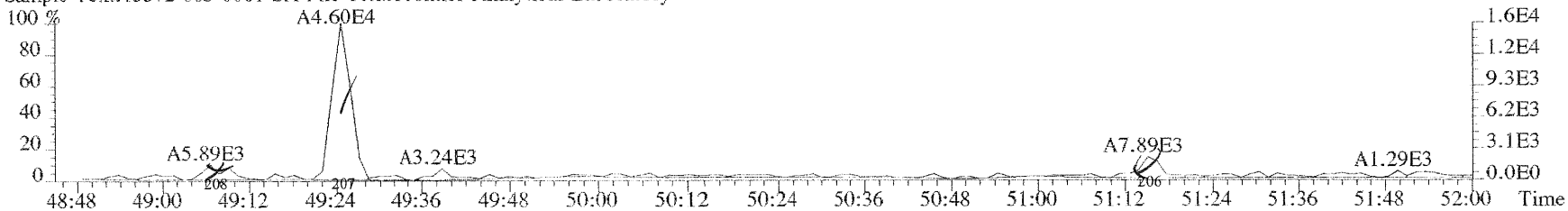
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



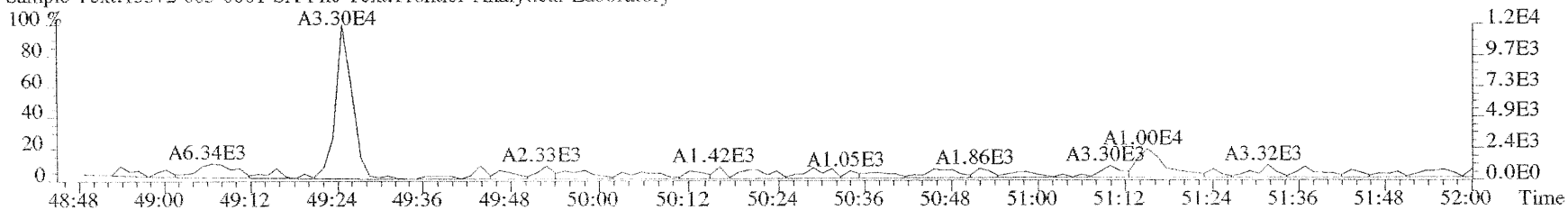
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



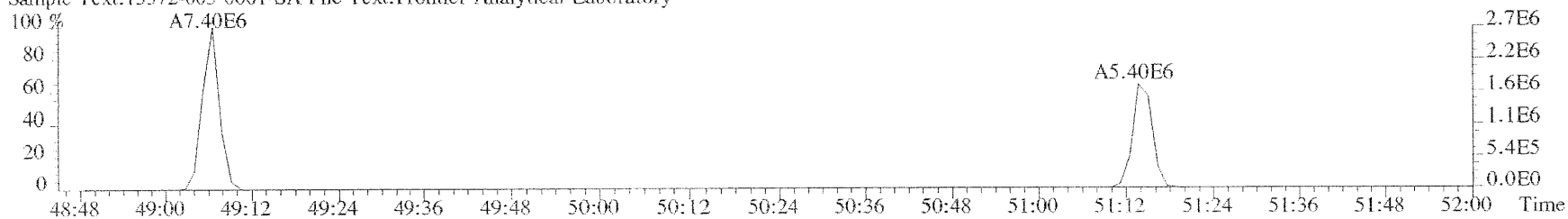
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



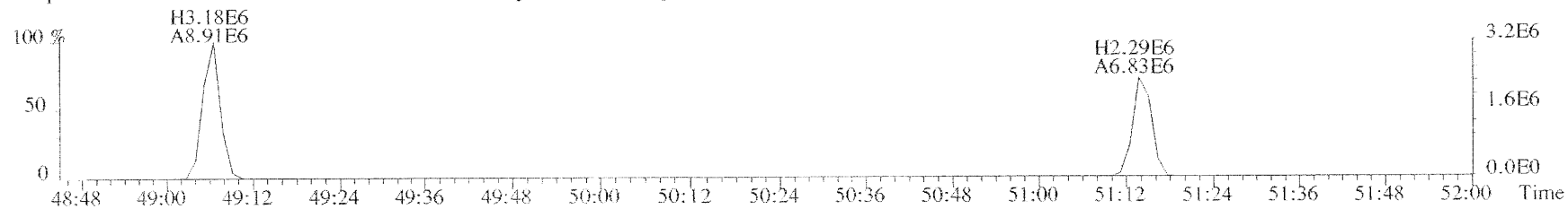
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



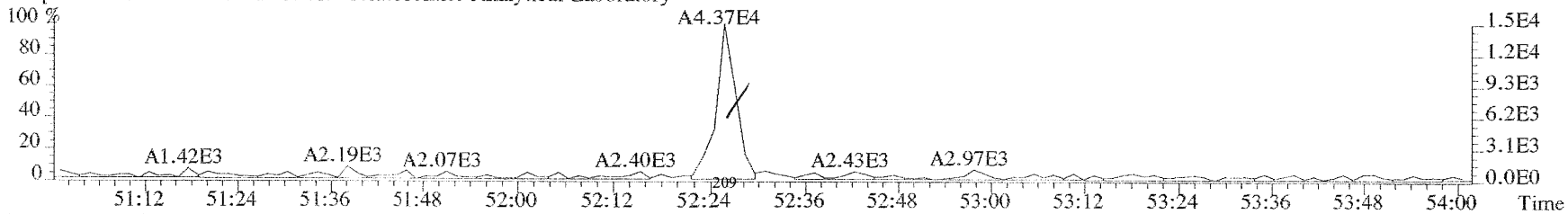
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



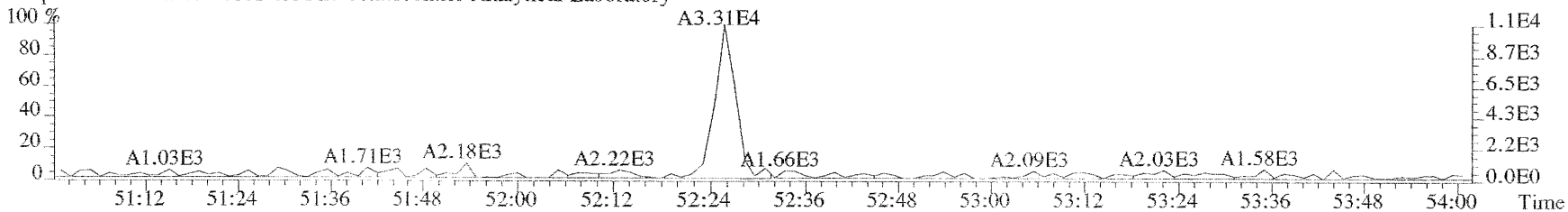
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



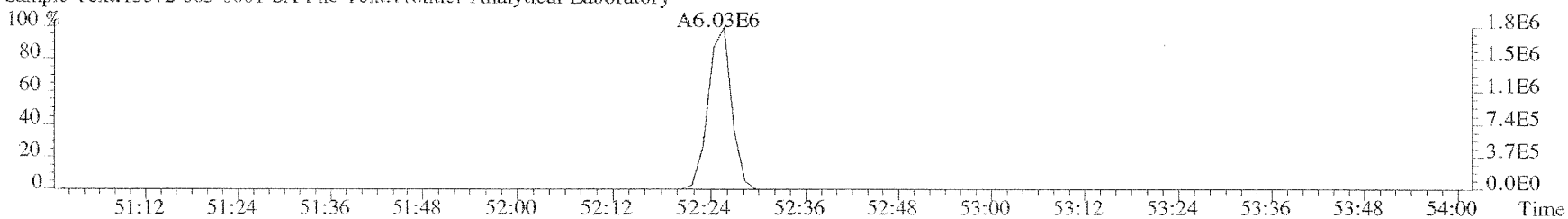
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



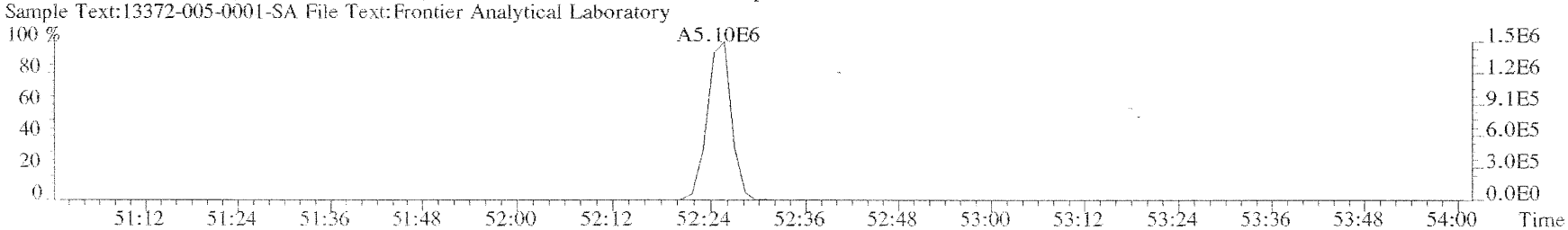
File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 17:32:20 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-005-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-008-0001-SA Filename: 23OCT20Z Sam:4 Acquired: 23-OCT-20 13:46:26 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-ENR-CC-S010 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	*		1560	1440	5.50			
13C-PCB-1	2.90e+07	3.23 y	14:32	0.94	7510					75.1	7.70e+06	2.38e+06
PCB-2	*	* n	NotFnd	1.44	*		1560	1440	5.52			
PCB-3	*	* n	NotFnd	1.39	*		1560	1440	6.10			
13C-PCB-3	2.86e+07	3.30 y	16:57	0.88	7930					79.3	6.79e+06	2.06e+06
PCB-4	5.37e+05	1.51 y	18:12	1.16	180		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		756	3710	7.95			
13C-PCB-4	2.56e+07	1.58 y	18:11	0.70	8920					89.2	4.77e+06	3.03e+06
PCB-9	8.42e+04	1.42 y	19:52	1.55	17.3	J	-	-	*			
PCB-7	1.40e+05	1.50 y	19:54	1.55	28.7		-	-	*			
PCB-6	5.99e+05	1.44 y	20:30	1.48	128		-	-	*			
PCB-8	2.44e+06	1.53 y	20:53	1.50	516		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		756	3710	9.00			
PCB-14	4.63e+06	1.43 y	21:56	1.53	960		-	-	*			
PCB-11	2.54e+05	1.44 y	23:04	1.39	58.0		-	-	*			
PCB-13	7.45e+04	1.56 y	23:24	1.33	17.8	J	-	-	*			
PCB-12	5.25e+04	1.57 y	23:27	1.39	12.0	J	-	-	*			
PCB-15	6.19e+05	1.69 y	23:43	1.30	128		-	-	*			
13C-PCB-15	3.73e+07	1.63 y	23:42	1.01	8970					89.7	5.46e+06	3.36e+06
PCB-19	4.60e+05	1.10 y	22:05	1.29	235		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2550	408	8.72			
PCB-18	4.04e+06	1.09 y	23:37	1.25	2120		-	-	*			
PCB-17	1.87e+06	1.11 y	23:47	1.44	853		-	-	*			
PCB-27	2.35e+05	1.11 y	24:18	1.80	86.0		-	-	*			
PCB-24	3.14e+05	1.18 y	24:19	1.85	111		-	-	*			
PCB-16	1.35e+06	1.08 y	24:48	1.61	549		-	-	*			
PCB-32	1.66e+06	1.09 y	24:49	1.62	675		-	-	*			
13C-PCB-19	1.52e+07	1.11 y	22:04	0.47	7870					78.7	2.24e+06	1.96e+06
13C-PCB-9	4.11e+07	1.61 y	19:51	-	88.4							
PCB-34	5.60e+04	1.01 y	25:34	1.18	14.7	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1680	1420	8.77			
PCB-29	8.04e+04	1.11 y	25:54	1.36	18.4	J	-	-	*			
PCB-26	1.43e+06	1.02 y	26:06	1.34	330		-	-	*			
PCB-25	7.77e+05	1.01 y	26:16	1.27	190		-	-	*			
PCB-31	6.66e+06	1.00 y	26:35	1.41	1460		-	-	*			
PCB-28	7.22e+06	1.05 y	26:41	1.43	1560		-	-	*			
PCB-20	4.62e+06	0.99 y	27:18	1.27	1130		-	-	*		Co-elute PCB 21/33	
PCB-21	4.62e+06	0.99 y	27:18	1.27	1130		-	-	*		Co-elute PCB 20/33	
PCB-33	4.62e+06	0.99 y	27:18	1.27	1130		-	-	*		Co-elute PCB 20/21	
PCB-22	2.42e+06	1.01 y	27:42	1.33	566		-	-	*			
PCB-36	4.34e+06	1.00 y	28:16	1.37	985		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1680	1420	9.56			
PCB-38	4.81e+04	1.06 y	29:29	1.35	11.0	J	-	-	*			
PCB-35	7.83e+04	1.01 y	29:57	1.27	19.2	J	-	-	*			
PCB-37	1.08e+06	1.04 y	30:22	1.21	276		-	-	*			
13C-PCB-37	3.22e+07	1.10 y	30:21	1.77	9700					97.0	3.51e+06	3.21e+06

PCB-54	3.54e+04	0.68	y	25:38	1.36	12.1	J	-	-	*			
PCB-50	3.41e+04	0.85	y	26:42	1.16	13.7	J	-	-	*			
PCB-53	7.70e+05	0.85	y	27:19	1.02	349		-	-	*			
PCB-51	2.72e+05	0.68	y	27:39	1.04	122		-	-	*			
PCB-45	6.87e+05	0.81	y	28:03	0.98	325		-	-	*			
PCB-46	2.86e+05	0.81	y	28:31	0.92	145		-	-	*			
PCB-52	3.57e+06	0.80	y	28:57	1.11	1500		-	-	*	Co-elute PCB 69		
PCB-69	3.57e+06	0.80	y	28:57	1.11	1500		-	-	*	Co-elute PCB 52		
PCB-73	9.42e+04	0.76	y	29:04	1.30	33.6		-	-	*			
PCB-43	2.46e+06	0.77	y	29:14	1.00	1140		-	-	*	Co-elute PCB 49		
PCB-49	2.46e+06	0.77	y	29:14	1.00	1140		-	-	*	Co-elute PCB 43		
PCB-47	9.09e+05	0.76	y	29:27	0.99	425		-	-	*			
PCB-48	8.75e+05	0.80	y	29:33	1.26	322		-	-	*	Co-elute PCB 75		
PCB-75	8.75e+05	0.80	y	29:33	1.26	322		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		996	1020	6.43			
PCB-62	*	*	n	NotFnd	1.19	*		996	1020	7.29			
PCB-44	2.30e+06	0.79	y	30:11	0.85	1260		-	-	*			
PCB-42	1.21e+06	0.77	y	30:25	1.12	504		-	-	*	Co-elute PCB 59		
PCB-59	1.21e+06	0.77	y	30:25	1.12	504		-	-	*	Co-elute PCB 42		
PCB-72	2.82e+06	0.80	y	30:58	1.22	1070		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.82e+06	0.80	y	30:58	1.22	1070		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.82e+06	0.80	y	30:58	1.22	1070		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.82e+06	0.80	y	30:58	1.22	1070		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.90e+04	0.80	y	31:11	1.32	24.3		-	-	*			
PCB-40	4.12e+05	0.76	y	31:24	0.82	235		-	-	*			
PCB-57	*	*	n	NotFnd	1.33	*		996	1020	6.50			
PCB-67	1.38e+05	0.76	y	32:02	1.26	50.8		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		996	1020	6.83			
PCB-63	1.14e+05	0.87	y	32:17	1.35	39.3		-	-	*			
PCB-74	1.28e+06	0.75	y	32:35	1.24	482		-	-	*			
PCB-61	2.60e+06	0.80	y	32:46	1.17	1030		-	-	*	Co-elute PCB 70		
PCB-70	2.60e+06	0.80	y	32:46	1.17	1030		-	-	*	Co-elute PCB 61		
PCB-76	2.42e+06	0.82	y	32:59	1.39	809		-	-	*	Co-elute PCB 66		
PCB-66	2.42e+06	0.82	y	32:59	1.39	809		-	-	*	Co-elute PCB 76		
PCB-80	1.10e+05	0.71	y	33:09	1.56	32.7		-	-	*			
PCB-55	2.17e+05	0.82	y	33:31	1.32	76.3		-	-	*			
13C-PCB-54	2.15e+07	0.83	y	25:35	1.32	8720					87.2	2.63e+06	3.20e+06
PCB-104	4.83e+06	1.57	y	30:03	1.23	2890		-	-	*			
PCB-96	2.91e+04	1.43	y	31:14	1.20	17.8	J	-	-	*			
PCB-103	4.07e+04	1.53	y	31:46	1.01	29.6		-	-	*			
PCB-100	3.15e+04	1.59	y	32:05	0.94	24.8		-	-	*			
PCB-94	1.73e+04	1.51	y	32:32	0.78	16.4	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.77	*		408	400	8.08	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		408	400	8.08	Co-elute PCB 98		
PCB-95	1.45e+06	1.59	y	33:03	0.96	1110		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		408	400	6.76			
PCB-88	*	*	n	NotFnd	0.52	*		408	400	12.0	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		408	400	12.0	Co-elute PCB 88		
PCB-121	7.76e+06	1.58	y	33:29	1.08	5260		-	-	*			
13C-PCB-104	1.36e+07	1.59	y	30:02	0.96	7540					75.4	1.99e+06	1.24e+06
13C-PCB-28	4.03e+07	1.08	y	26:40	2.13	10100					101	5.37e+06	4.92e+06
13C-PCB-52	1.87e+07	0.82	y	28:56	-	86.8							

PCB-56	2.07e+06	0.78	y	33:58	1.21	609		-	-	*			Co-elute PCB 60
PCB-60	2.07e+06	0.78	y	33:58	1.21	609		-	-	*			Co-elute PCB 56
PCB-79	4.41e+04	0.73	y	34:58	1.38	11.4	J	-	-	*			
PCB-78	1.29e+07	0.79	y	35:38	1.38	3330		-	-	*			
PCB-81	1.24e+05	0.69	y	36:10	1.41	31.7		-	-	*			
13C-PCB-81	2.77e+07	0.81	y	36:07	1.78	9510					95.1	2.66e+06	3.24e+06
PCB-77	2.09e+05	0.68	y	36:41	1.17	62.7		-	-	*			
13C-PCB-77	2.85e+07	0.81	y	36:41	1.84	9480					94.8	2.52e+06	3.09e+06
PCB-155	9.49e+06	1.25	y	34:12	1.14	5500		-	-	*			
PCB-150	*	*	n	NotFnd	1.06	*		496	628	7.13			
PCB-152	*	*	n	NotFnd	1.15	*		496	628	6.59			
PCB-145	*	*	n	NotFnd	1.06	*		496	628	7.13			
PCB-136	2.95e+05	1.29	y	36:35	1.05	185		-	-	*			
PCB-148	*	*	n	NotFnd	0.92	*		496	628	8.26			
PCB-154	4.83e+04	1.07	y	37:09	0.93	34.2		-	-	*			
13C-PCB-155	1.51e+07	1.29	y	34:11	1.26	7320					73.2	2.09e+06	1.61e+06
13C-PCB-111	1.98e+07	1.63	y	36:16	1.32	9190					91.9	2.88e+06	1.72e+06
13C-PCB-101	1.63e+07	1.65	y	34:37	-	92.9							
PCB-84	1.01e+06	1.51	y	34:17	0.74	514		-	-	*			Co-elute PCB 92
PCB-92	1.01e+06	1.51	y	34:17	0.74	514		-	-	*			Co-elute PCB 84
PCB-89	3.86e+04	1.37	y	34:28	0.77	18.9	J	-	-	*			
PCB-90	2.18e+06	1.54	y	34:39	0.80	1020		-	-	*			Co-elute PCB 101
PCB-101	2.18e+06	1.54	y	34:39	0.80	1020		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		960	880	9.25			
PCB-99	9.92e+05	1.64	y	34:58	0.92	405		-	-	*			
PCB-119	7.48e+04	1.38	y	35:24	1.06	26.6		-	-	*			
PCB-83	1.07e+05	1.52	y	35:33	0.83	48.3		-	-	*			Co-elute PCB 112
PCB-112	1.07e+05	1.52	y	35:33	0.83	48.3		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		960	880	8.48			
PCB-97	5.23e+05	1.48	y	35:53	0.68	290		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		960	880	12.1			
PCB-125	7.53e+05	1.60	y	36:10	0.92	307		-	-	*			Co-elute PCB 87/117
PCB-87	7.53e+05	1.60	y	36:10	0.92	307		-	-	*			Co-elute PCB 125/117
PCB-117	7.53e+05	1.60	y	36:10	0.92	307		-	-	*			Co-elute PCB 125/87
PCB-111	3.34e+04	1.40	y	36:17	0.99	12.7	J	-	-	*			Co-elute PCB 115
PCB-115	3.34e+04	1.40	y	36:17	0.99	12.7	J	-	-	*			Co-elute PCB 111
PCB-85	3.42e+05	1.56	y	36:25	0.92	140		-	-	*			Co-elute PCB 116
PCB-116	3.42e+05	1.56	y	36:25	0.92	140		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		960	880	7.35			
PCB-110	2.25e+06	1.56	y	36:46	0.99	850		-	-	*			
PCB-82	1.61e+05	1.52	y	37:23	0.65	93.5		-	-	*			
PCB-124	1.10e+05	1.49	y	38:01	1.25	33.1		-	-	*			
PCB-108	1.59e+05	1.51	y	38:11	1.23	48.8		-	-	*			Co-elute PCB 107
PCB-107	1.59e+05	1.51	y	38:11	1.23	48.8		-	-	*			Co-elute PCB 108
PCB-123	3.62e+04	1.33	y	38:19	1.19	11.8	J	-	-	*			
13C-PCB-123	2.57e+07	1.60	y	38:19	1.42	9660					96.6	3.26e+06	2.05e+06
PCB-118	1.89e+06	1.55	y	38:31	1.22	561		-	-	*			Co-elute PCB 106
PCB-106	1.89e+06	1.55	y	38:31	1.22	561		-	-	*			Co-elute PCB 118
13C-PCB-118	2.76e+07	1.62	y	38:29	1.59	9320					93.2	3.73e+06	2.28e+06
PCB-114	4.82e+04	1.33	y	39:07	1.18	15.0	J	-	-	*			
13C-PCB-114	2.72e+07	1.58	y	39:05	1.50	9730					97.3	3.36e+06	2.14e+06
PCB-122	4.39e+04	1.47	y	39:14	1.30	12.7	J	-	-	*			
PCB-105	6.96e+05	1.43	y	39:56	1.36	197		-	-	*			
13C-PCB-105	2.60e+07	1.60	y	39:55	1.52	9170					91.7	3.49e+06	2.17e+06

PCB-127	*	*	n	NotFnd	1.27	*		1080	1240	8.12				
PCB-126	*	*	n	NotFnd	1.23	*		1080	1240	9.64				
13C-PCB-126	2.56e+07	1.60	y	42:03	1.36	10100					101	2.98e+06	1.89e+06	
PCB-151	5.29e+05	1.14	y	37:46	1.14	228		-	-	*				
PCB-135	2.93e+05	1.27	y	38:00	1.05	137		-	-	*				
PCB-144	1.03e+05	1.24	y	38:05	1.17	43.6		-	-	*				
PCB-147	4.84e+04	1.36	y	38:13	1.24	19.2	J	-	-	*				
PCB-139	1.77e+06	1.21	y	38:26	1.14	764		-	-	*		Co-elute PCB 149		
PCB-149	1.77e+06	1.21	y	38:26	1.14	764		-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.27	*		1040	1160	9.89				
PCB-143	1.07e+05	1.17	y	39:04	1.00	52.8		-	-	*		Co-elute PCB 134		
PCB-134	1.07e+05	1.17	y	39:04	1.00	52.8		-	-	*		Co-elute PCB 143		
PCB-131	5.83e+04	1.27	y	39:19	1.00	28.7		-	-	*		Co-elute PCB 133		
PCB-133	5.83e+04	1.27	y	39:19	1.00	28.7		-	-	*		Co-elute PCB 131		
PCB-142	1.65e+06	1.22	y	39:28	1.05	772		-	-	*				
PCB-165	2.96e+05	1.21	y	39:42	1.30	112		-	-	*		Co-elute PCB 146		
PCB-146	2.96e+05	1.21	y	39:42	1.30	112		-	-	*		Co-elute PCB 165		
PCB-161	5.30e+05	1.23	y	39:56	1.24	210		-	-	*		Co-elute PCB 132		
PCB-132	5.30e+05	1.23	y	39:56	1.24	210		-	-	*		Co-elute PCB 161		
PCB-153	1.91e+06	1.31	y	40:05	1.40	669		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1040	1160	9.05				
PCB-141	2.45e+05	1.36	y	40:46	1.13	107		-	-	*				
PCB-137	4.95e+04	1.18	y	41:09	1.01	24.0		-	-	*				
PCB-130	9.18e+04	1.26	y	41:14	1.05	42.9		-	-	*				
PCB-138	1.71e+06	1.23	y	41:35	1.25	671		-	-	*		Co-elute PCB 163/164		
PCB-163	1.71e+06	1.23	y	41:35	1.25	671		-	-	*		Co-elute PCB 138/164		
PCB-164	1.71e+06	1.23	y	41:35	1.25	671		-	-	*		Co-elute PCB 138/163		
PCB-158	1.82e+05	1.33	y	41:48	1.42	63.0		-	-	*		Co-elute PCB 160		
PCB-160	1.82e+05	1.33	y	41:48	1.42	63.0		-	-	*		Co-elute PCB 158		
PCB-129	6.42e+04	1.10	y	42:03	0.99	31.7		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		1040	1160	8.82				
PCB-159	4.87e+04	1.27	y	42:49	1.53	15.7	J	-	-	*				
PCB-128	2.09e+05	1.38	y	43:04	1.14	90.3		-	-	*		Co-elute PCB 162		
PCB-162	2.09e+05	1.38	y	43:04	1.14	90.3		-	-	*		Co-elute PCB 128		
PCB-167	5.59e+04	1.31	y	43:25	1.33	20.4		-	-	*				
13C-PCB-167	2.07e+07	1.28	y	43:24	1.16	9570					95.7	2.38e+06	1.93e+06	
PCB-156	1.23e+05	1.35	y	44:40	1.40	44.5		-	-	*				
13C-PCB-156	1.98e+07	1.26	y	44:38	1.13	9380					93.8	2.41e+06	1.93e+06	
PCB-157	3.27e+04	1.31	y	44:54	1.26	12.5	J	-	-	*				
13C-PCB-157	2.07e+07	1.28	y	44:54	1.14	9690					96.9	2.29e+06	1.79e+06	
PCB-169	*	*	n	NotFnd	1.22	*		1040	1160	9.09				
13C-PCB-169	2.02e+07	1.29	y	46:46	1.04	10400					104	2.80e+06	2.17e+06	

PCB-188	*	*	n	NotFnd	1.19	*		590	592	7.16			
13C-PCB-188	1.49e+07	1.06	y	39:42	1.06	7500					75.0	1.81e+06	1.65e+06
PCB-184	1.25e+07	1.06	y	40:08	1.38	6150		-	-	*			
PCB-179	1.74e+05	1.16	y	40:52	1.38	85.6		-	-	*			
PCB-176	5.83e+04	1.10	y	41:19	1.33	29.7		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		590	592	6.43			
PCB-178	5.62e+04	1.10	y	42:21	0.95	40.3		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		590	592	8.21			
PCB-187	3.39e+05	1.14	y	42:51	1.04	220		-	-	*		Co-elute PCB 182	
PCB-182	3.39e+05	1.14	y	42:51	1.04	220		-	-	*		Co-elute PCB 187	
PCB-183	1.64e+05	1.14	y	43:09	1.07	104		-	-	*			
PCB-185	4.17e+04	1.08	y	43:47	0.88	32.0		-	-	*			
PCB-174	2.46e+05	1.11	y	44:07	0.94	178		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		590	592	8.68			
PCB-177	1.40e+05	1.12	y	44:23	0.90	105		-	-	*			
PCB-171	5.95e+04	1.06	y	44:40	0.96	42.0		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		590	592	9.55			
PCB-172	2.54e+05	1.04	y	45:26	0.90	192		-	-	*			
PCB-192	9.30e+06	1.06	y	45:37	1.07	5880		-	-	*			
PCB-180	3.86e+05	1.15	y	45:49	0.86	306		-	-	*			
PCB-193	3.77e+04	1.16	y	45:57	1.19	21.4		-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		590	592	6.75			
PCB-170	1.50e+05	1.08	y	47:06	0.86	118		-	-	*			
PCB-190	5.24e+04	0.91	y	47:14	1.17	30.4		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		590	592	6.47			
13C-PCB-189	1.46e+07	1.10	y	48:27	0.86	9070					90.7	2.09e+06	1.84e+06
PCB-202	*	*	n	NotFnd	1.11	*		404	444	8.05			
PCB-201	*	*	n	NotFnd	1.27	*		404	444	7.07			
PCB-204	2.02e+07	0.90	y	45:26	1.28	14100		-	-	*			
PCB-197	1.10e+05	0.99	y	45:40	1.20	81.8		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		404	444	7.15			
PCB-198	*	*	n	NotFnd	0.90	*		404	444	10.0			
PCB-199	4.91e+04	0.86	y	47:42	0.85	51.2		-	-	*			
PCB-203	5.65e+04	0.92	y	47:57	0.95	52.9		-	-	*		Co-elute PCB 196	
PCB-196	5.65e+04	0.92	y	47:57	0.95	52.9		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.13e+07	0.91	y	44:49	0.77	7890					78.9	1.13e+06	1.24e+06
13C-PCB-178	1.20e+07	1.08	y	42:20	0.76	8500					85.0	1.45e+06	1.35e+06
13C-PCB-138	1.87e+07	1.27	y	41:34	-	94.0							
PCB-195	4.70e+04	0.86	y	49:04	0.94	20.6		-	-	*			
PCB-194	8.54e+04	0.82	y	49:52	1.03	34.2		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		1170	1510	6.65			
13C-PCB-205	2.43e+07	0.90	y	50:06	1.30	8840					88.4	4.05e+06	4.53e+06
PCB-208	*	*	n	NotFnd	1.16	*		940	1080	6.74			
13C-PCB-208	1.88e+07	0.81	y	49:09	1.13	7900					79.0	2.87e+06	3.60e+06
PCB-207	1.22e+05	1.30	y	49:29	1.39	52.6		-	-	*			
PCB-206	2.59e+04	1.20	y	51:19	1.17	15.4	J	-	-	*			
13C-PCB-206	1.43e+07	0.80	y	51:18	0.85	7990					79.9	2.15e+06	2.75e+06
PCB-209	1.31e+05	1.08	y	52:31	1.24	73.8		-	-	*			
13C-PCB-209	1.44e+07	1.23	y	52:30	0.88	7770					77.7	2.59e+06	2.12e+06
13C-PCB-194	2.11e+07	0.91	y	49:50	-	106							

Analyst: _____ Date: 10/27/20

File:23OCT20Z #1-783 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
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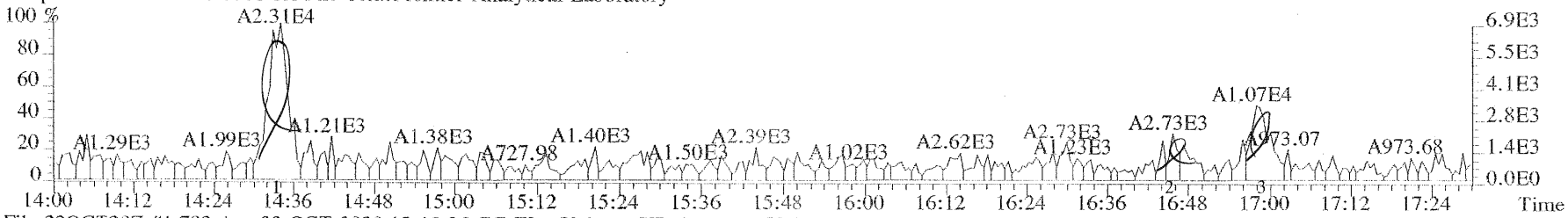
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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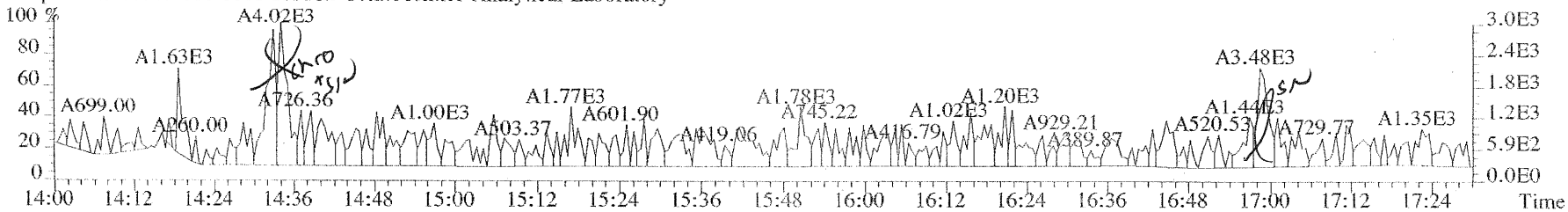

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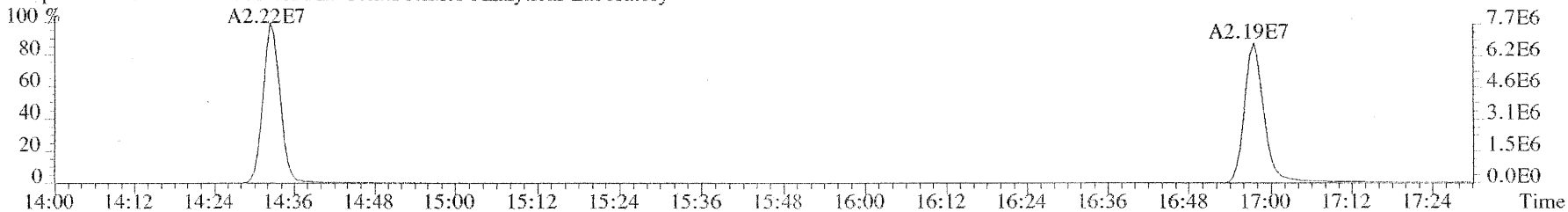

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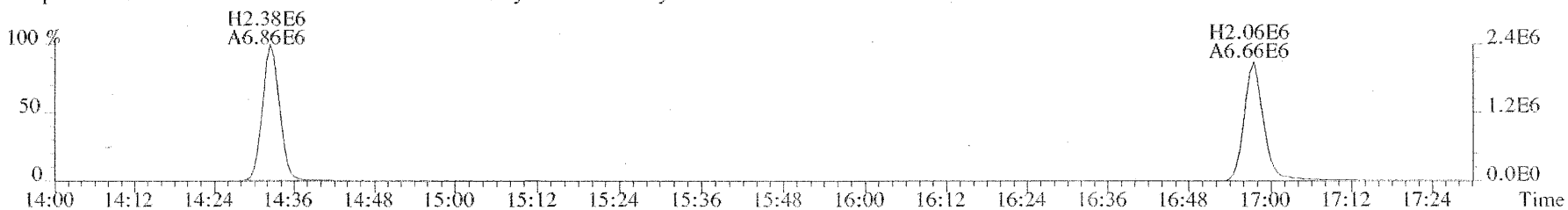

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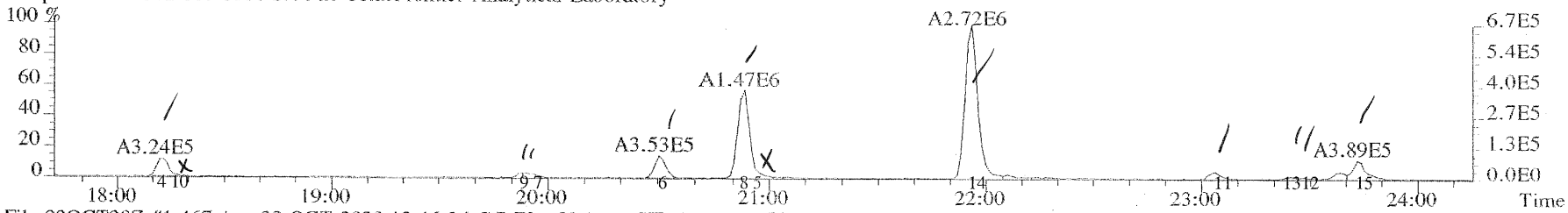
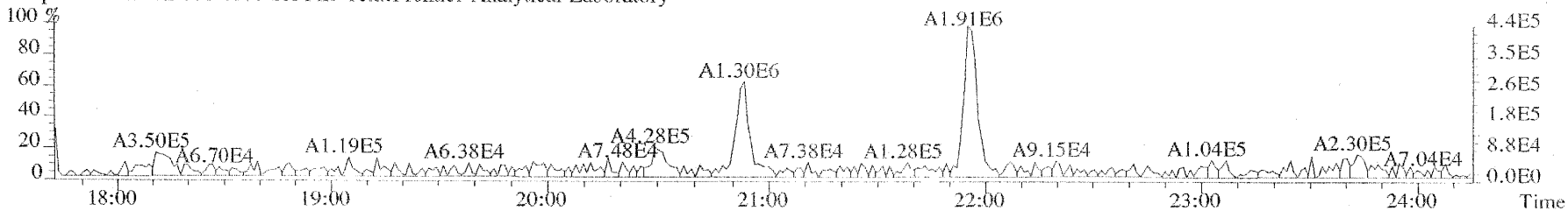
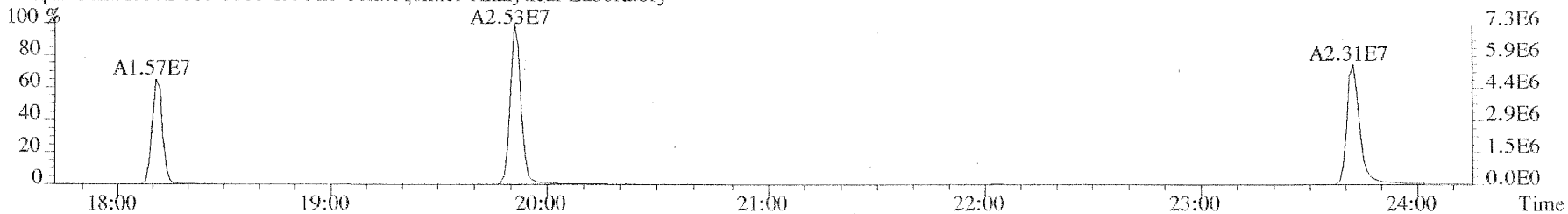
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



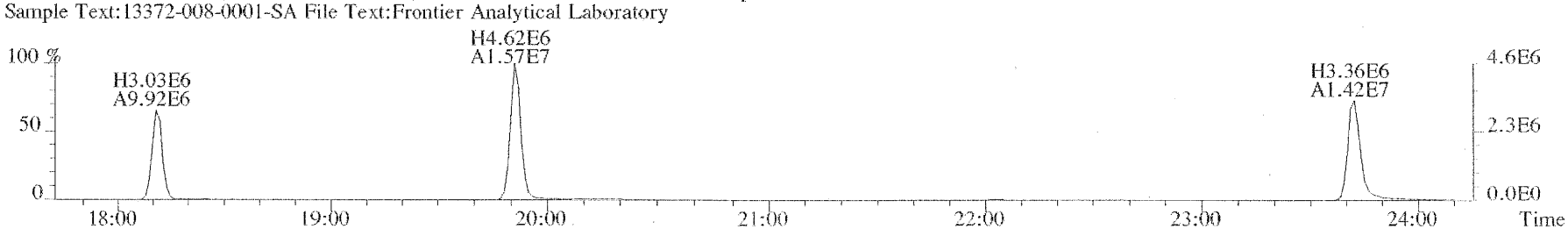
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



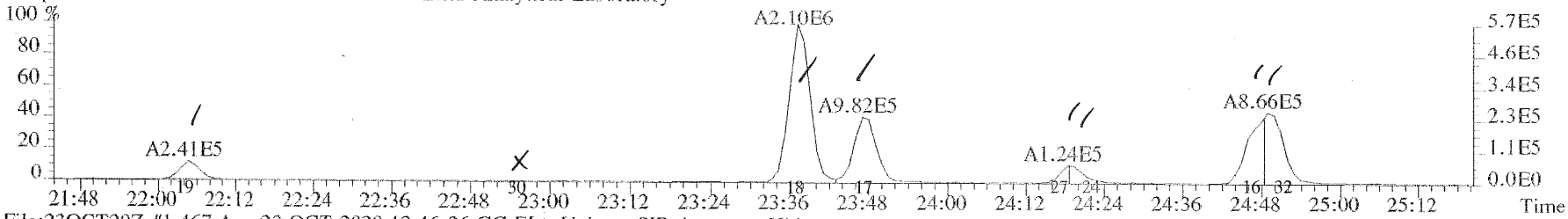
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



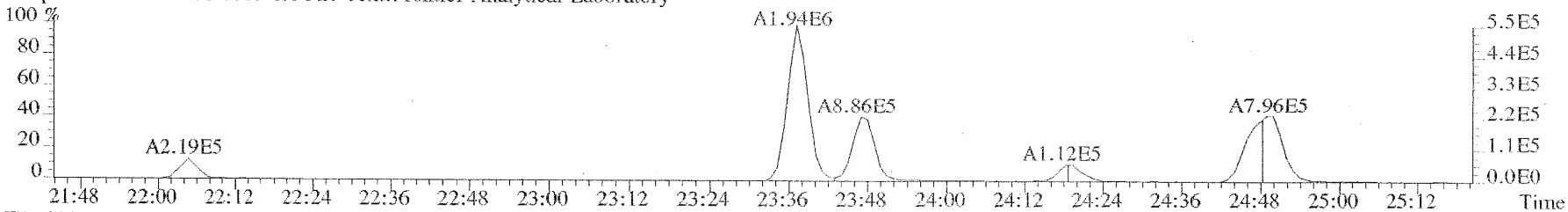
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



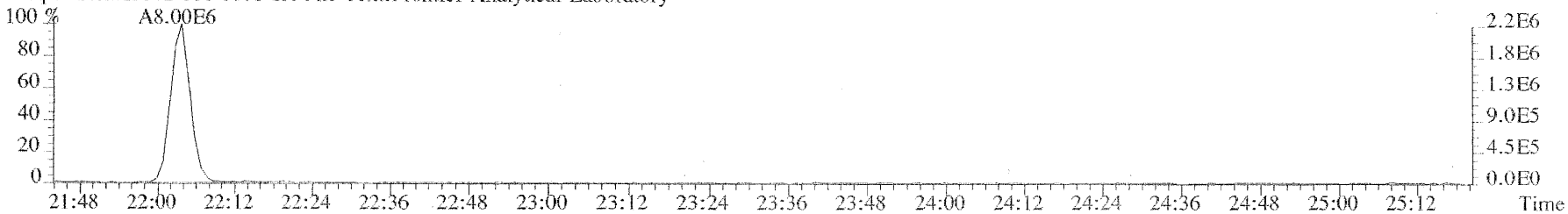
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



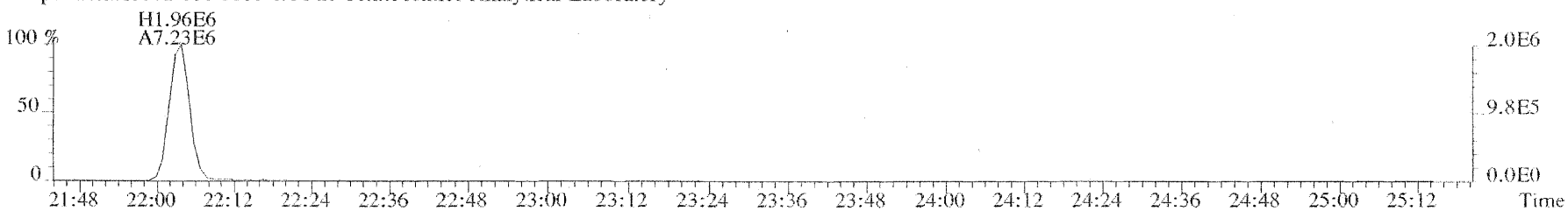
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



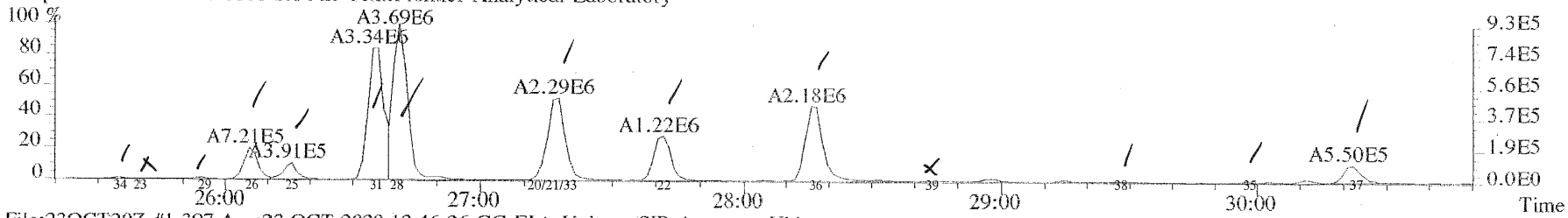
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



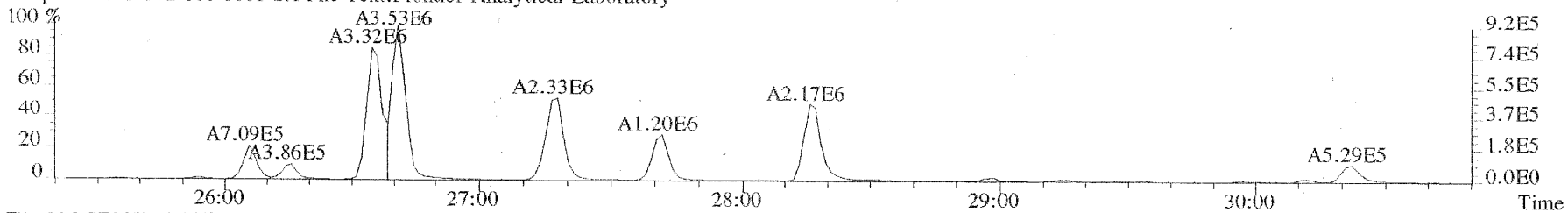
File:23OCT20Z #1-467 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



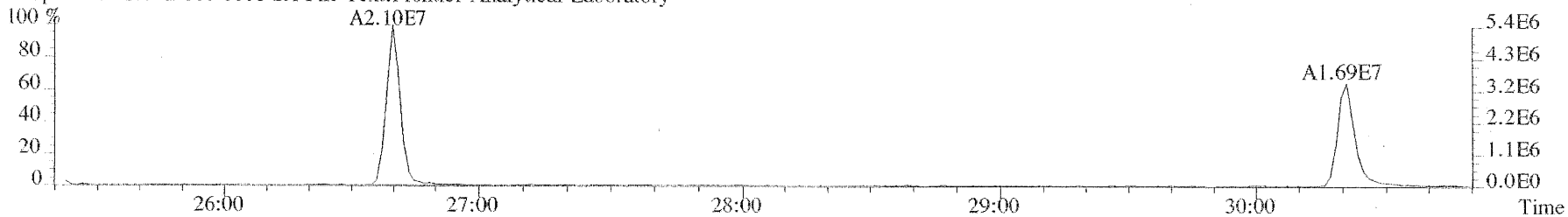
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



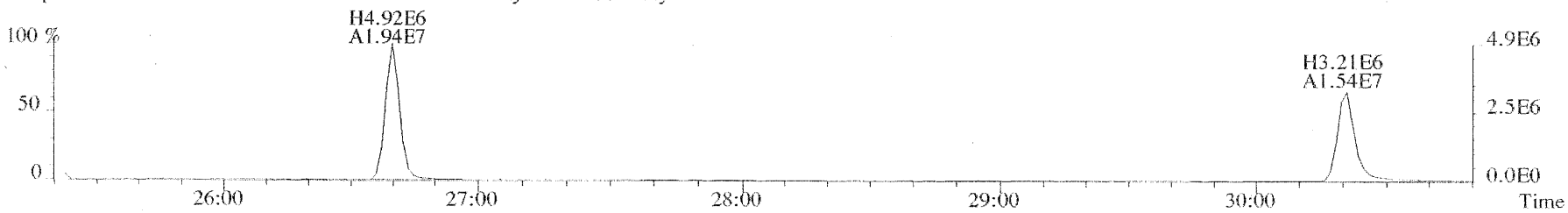
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



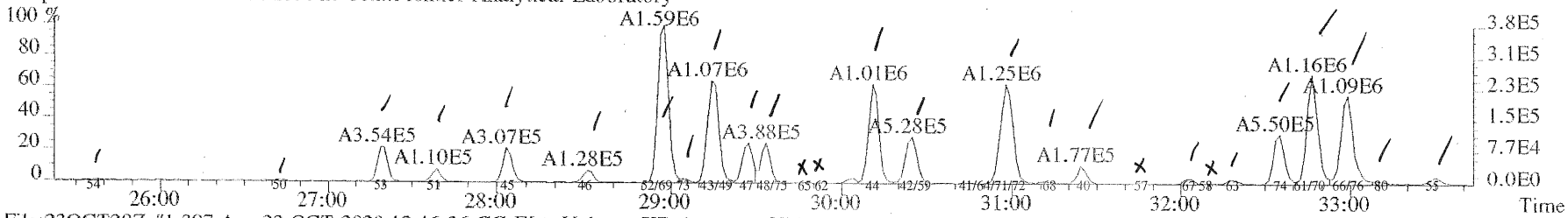
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



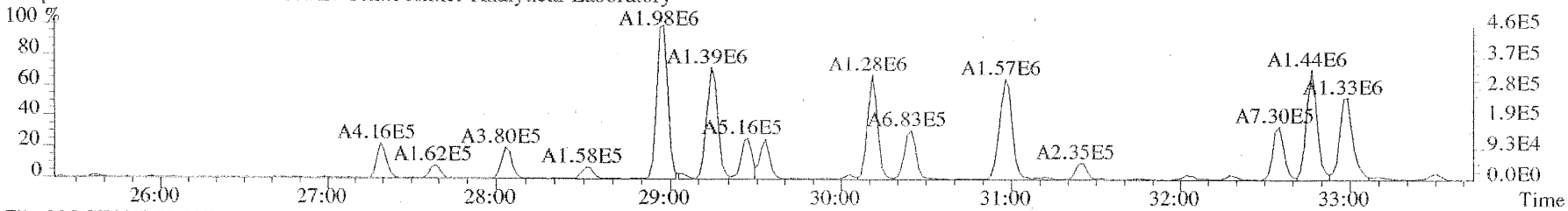
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



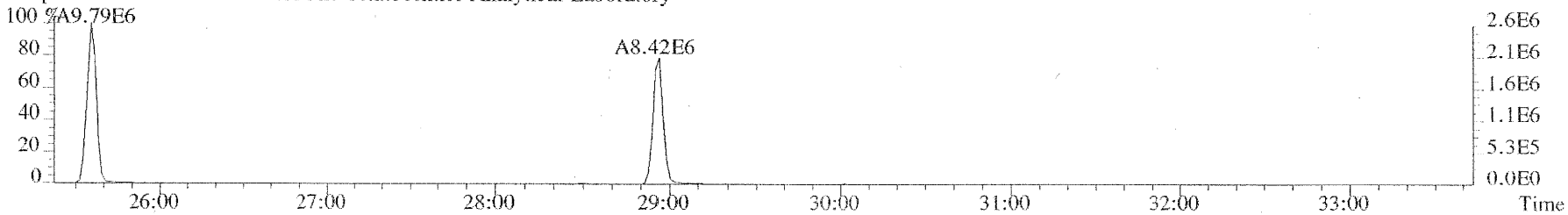
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



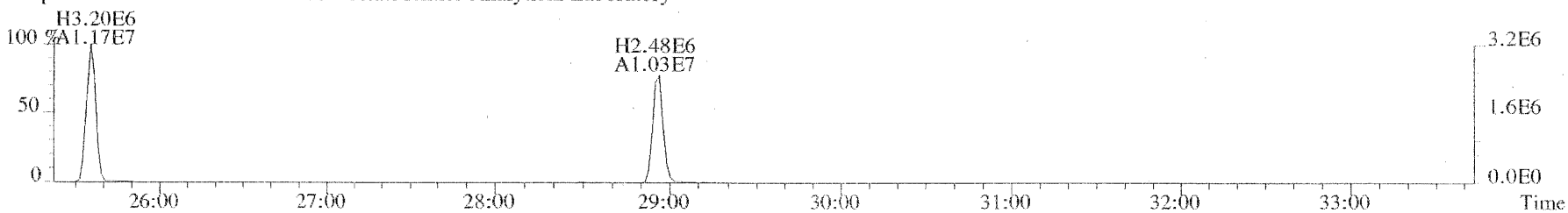
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



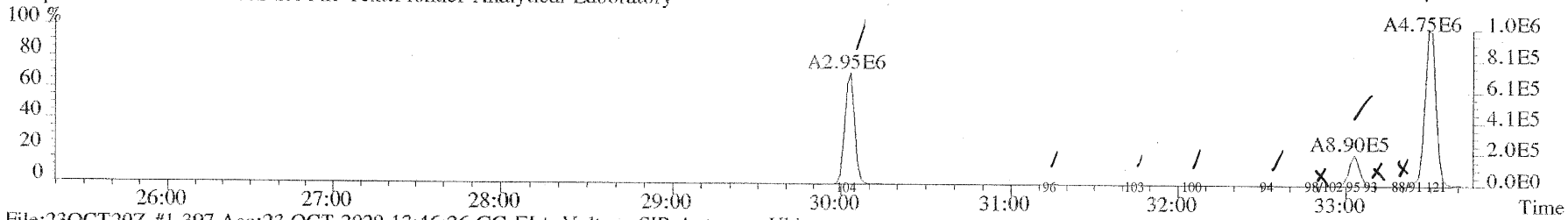
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



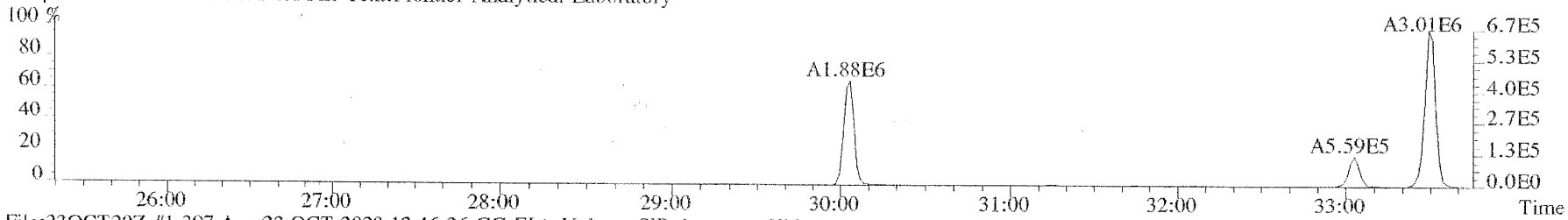
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



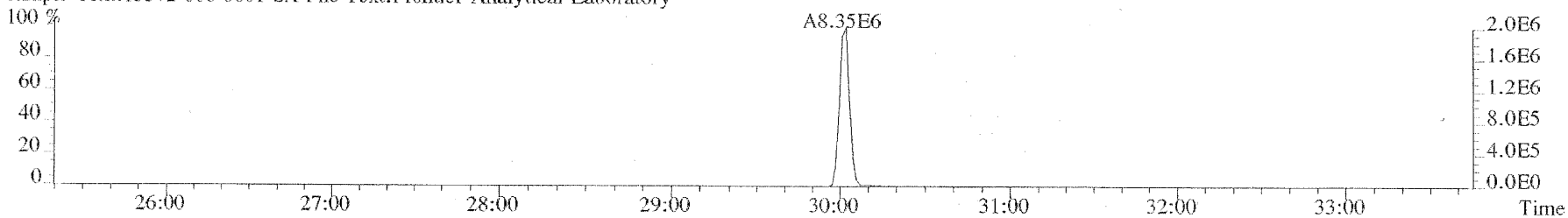
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



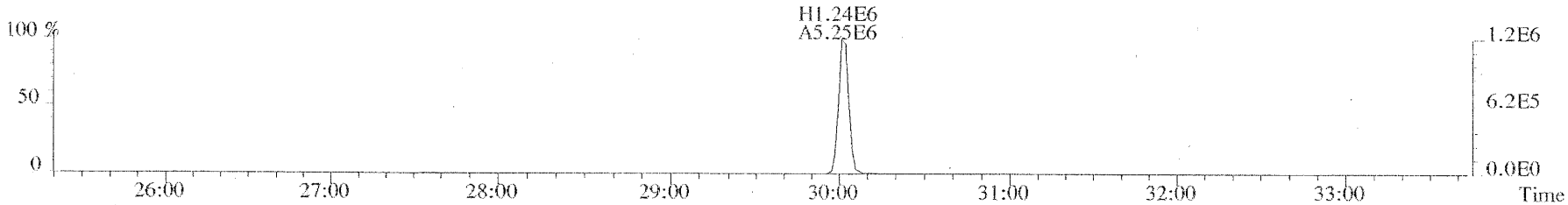
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



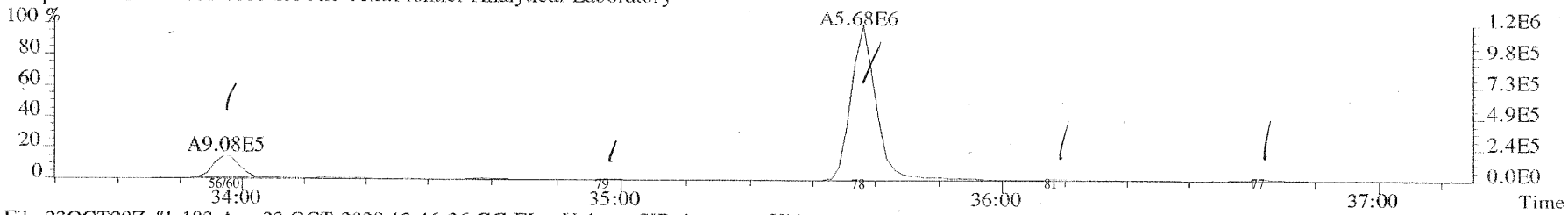
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



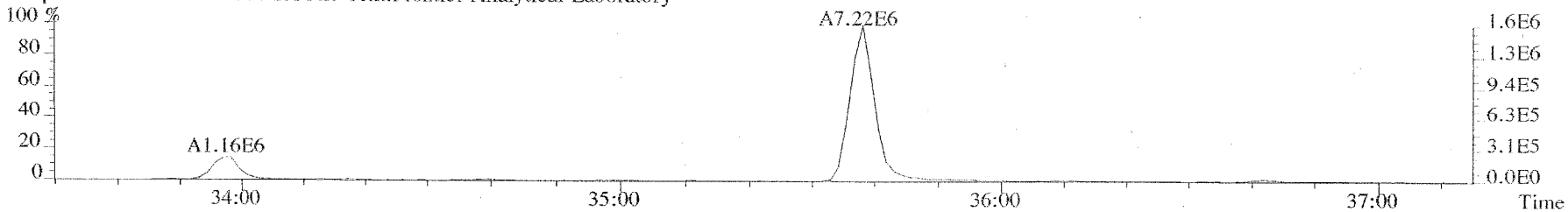
File:23OCT20Z #1-397 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



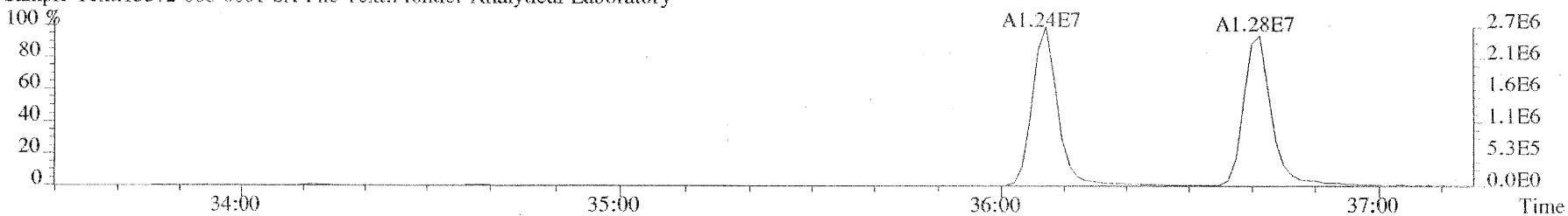
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



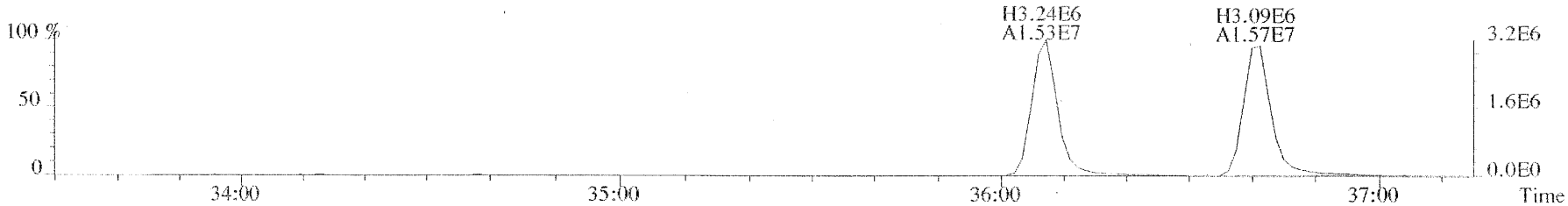
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



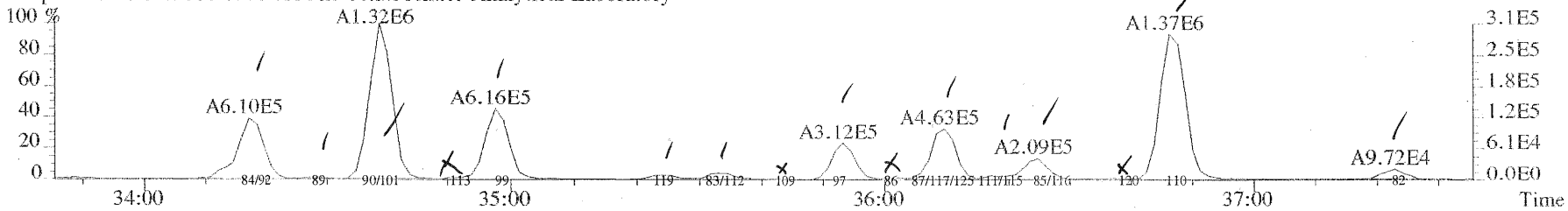
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



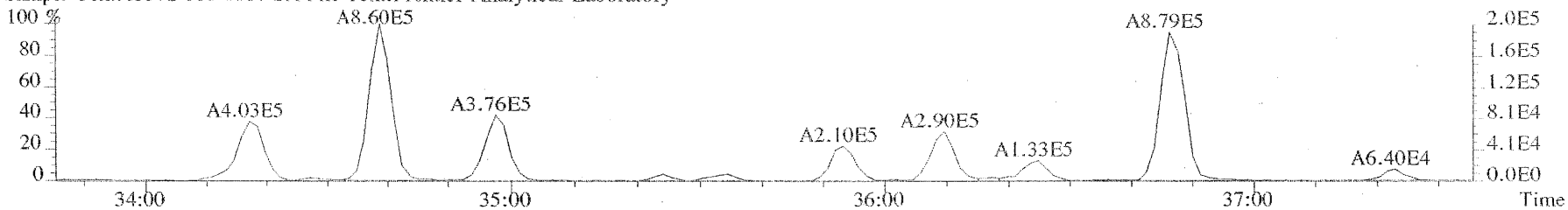
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



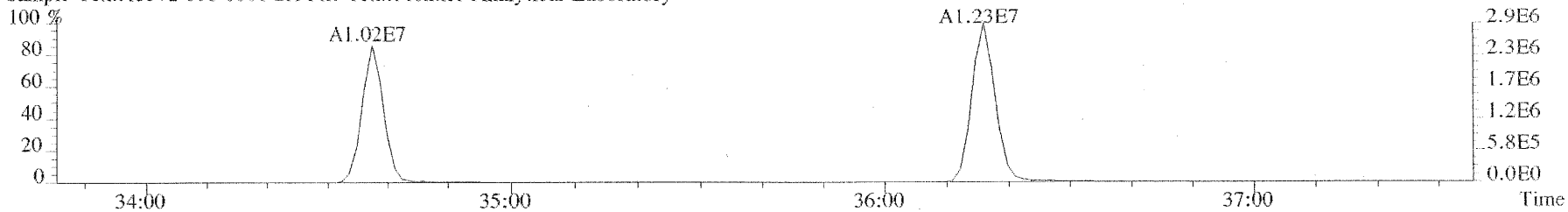
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



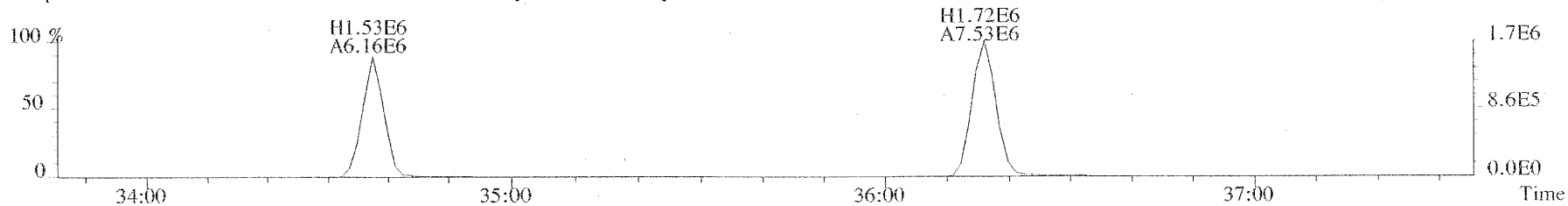
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



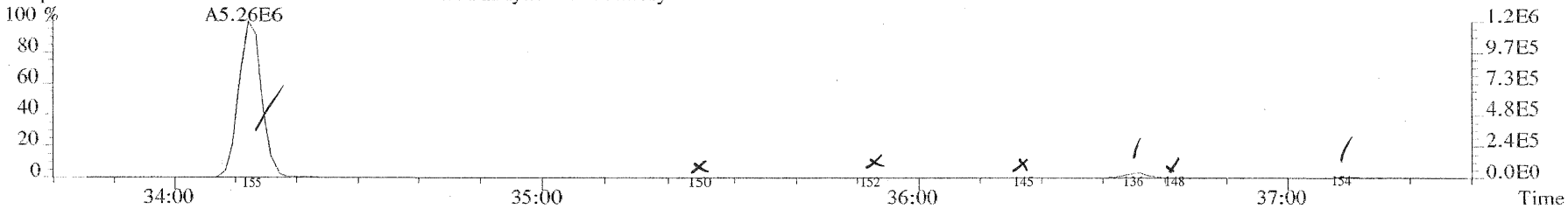
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



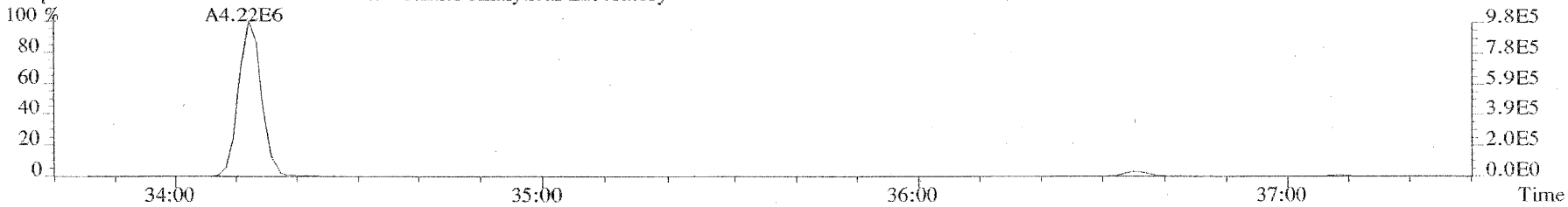
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



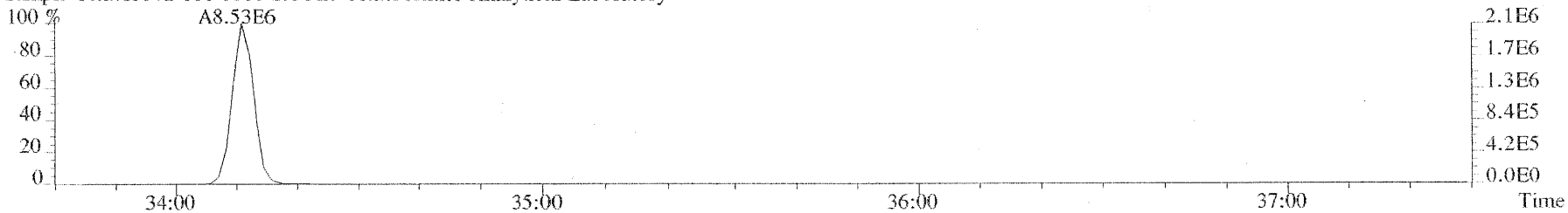
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



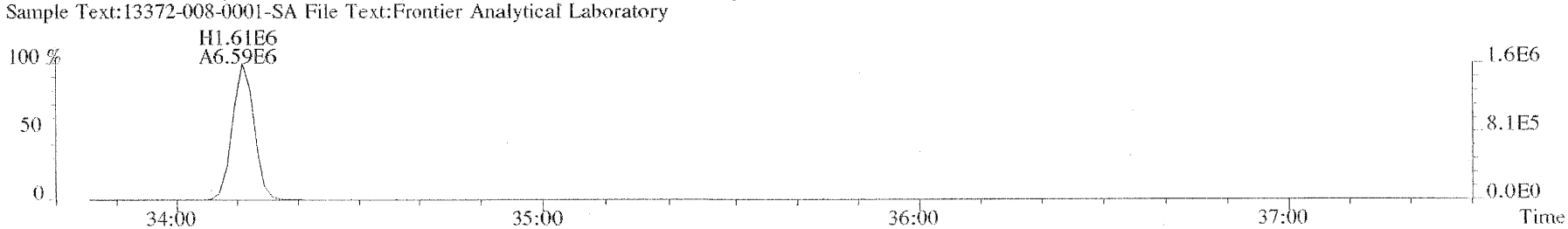
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



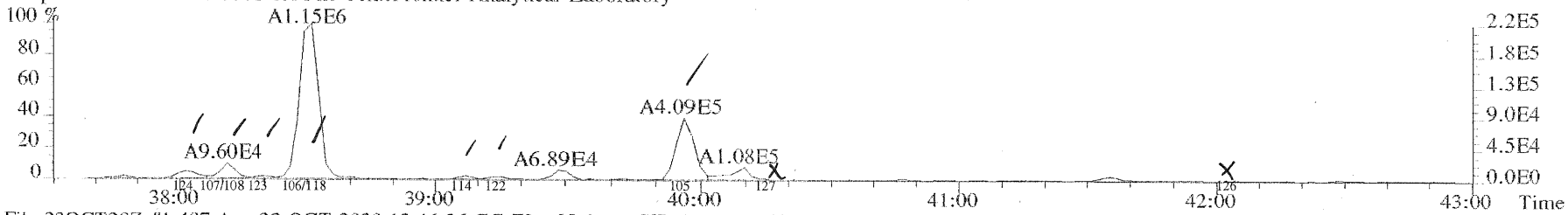
File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-183 Acq:23-OCT-2020 13:46:26 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:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 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:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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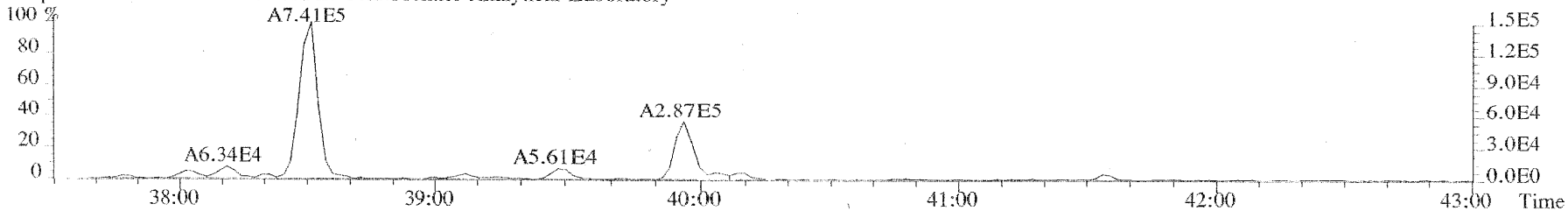
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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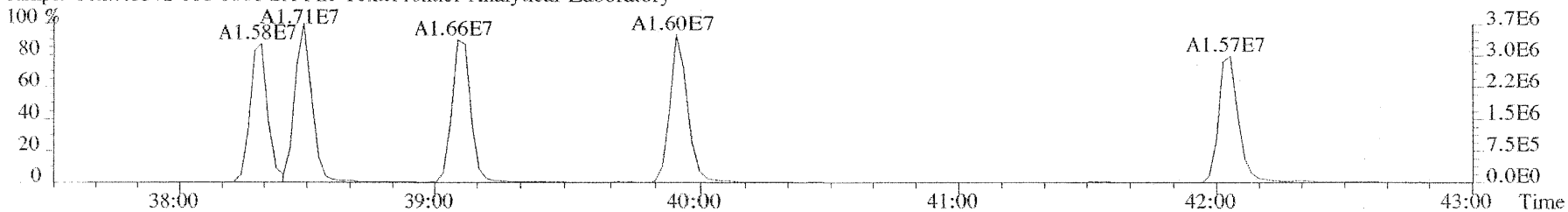
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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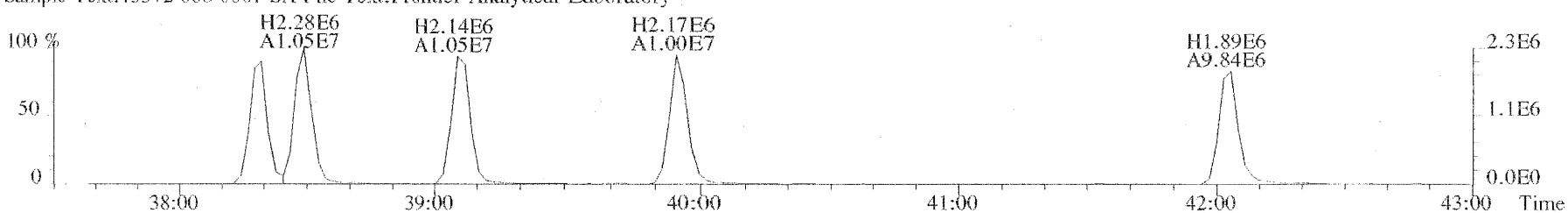
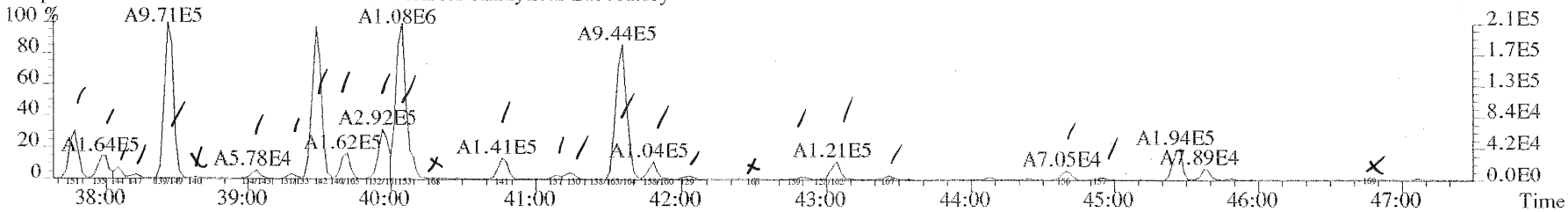
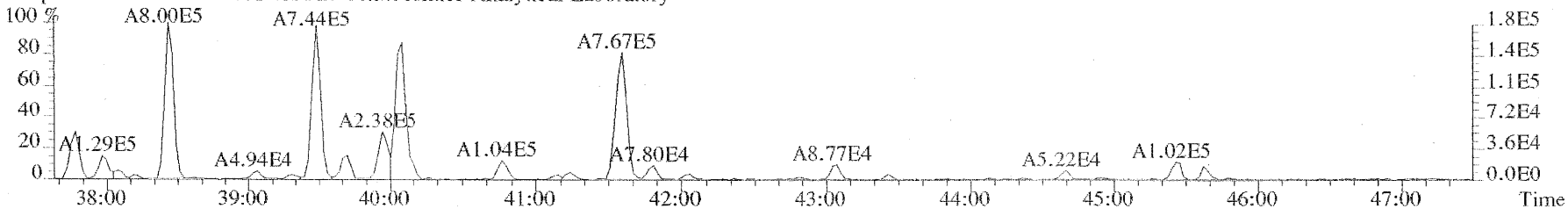
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



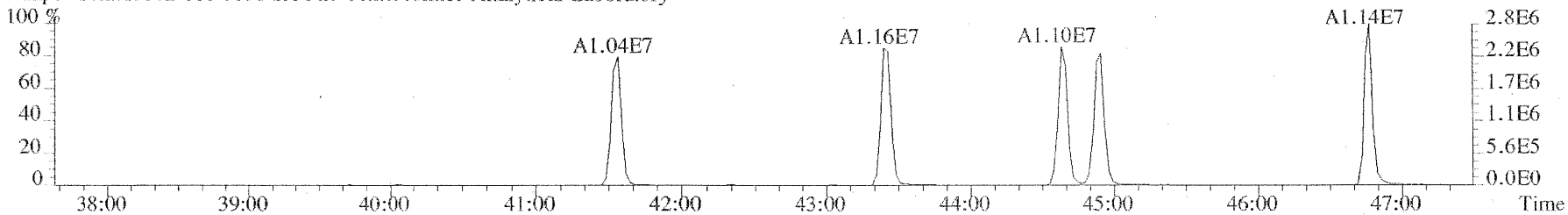
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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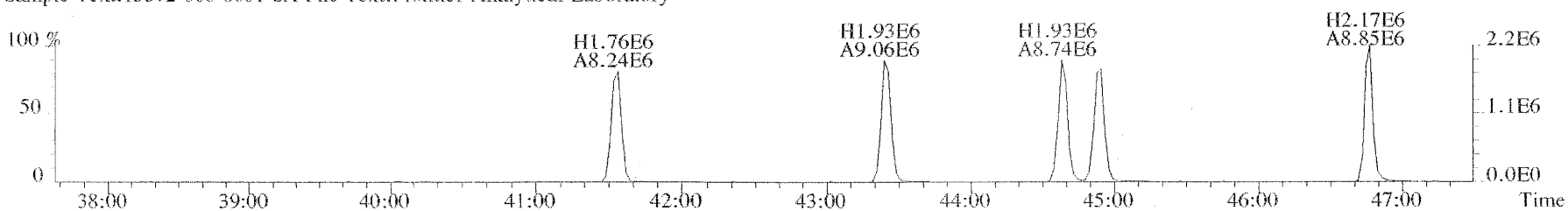
373.8788 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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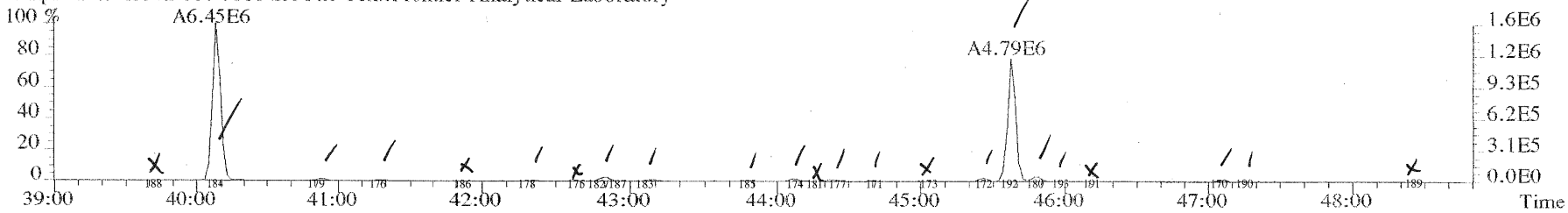
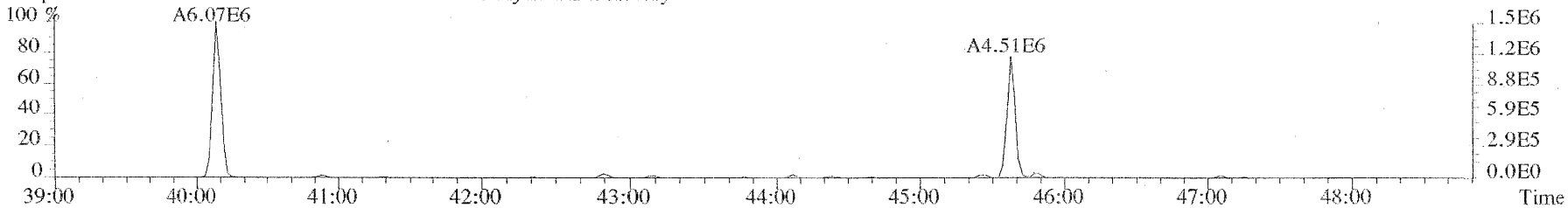
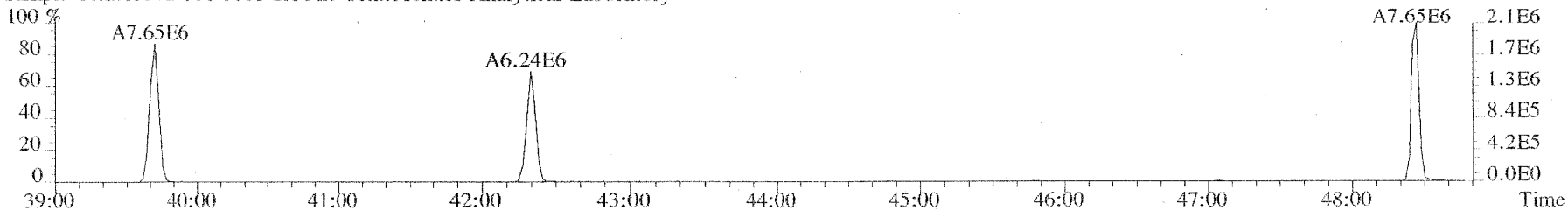
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



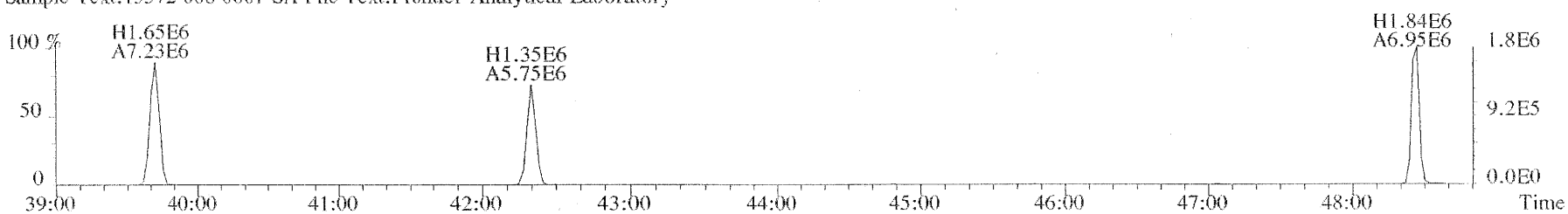
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



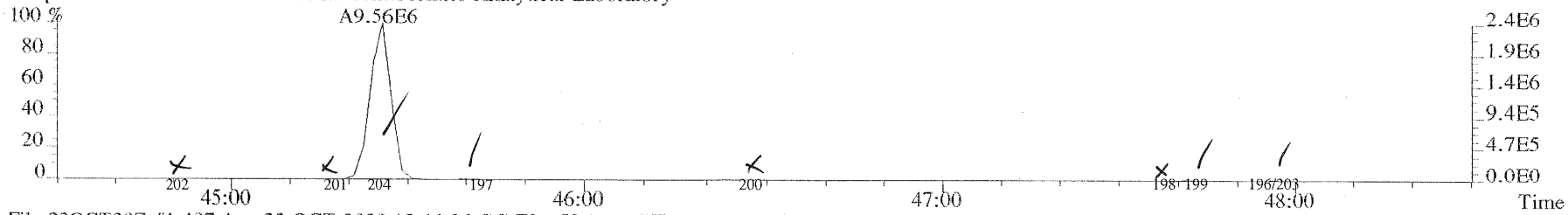
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



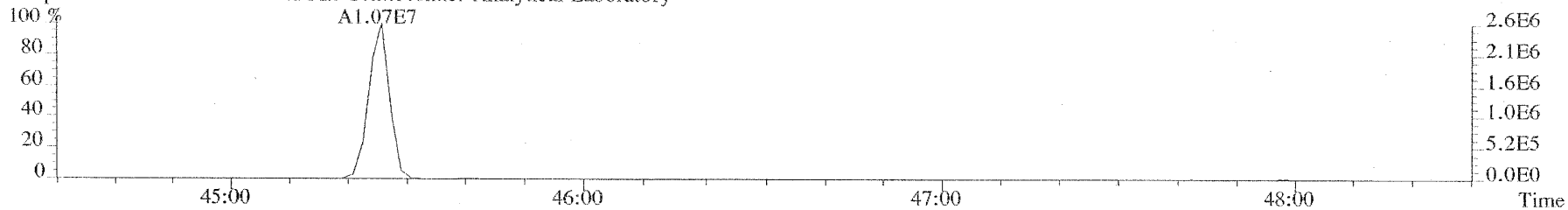
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



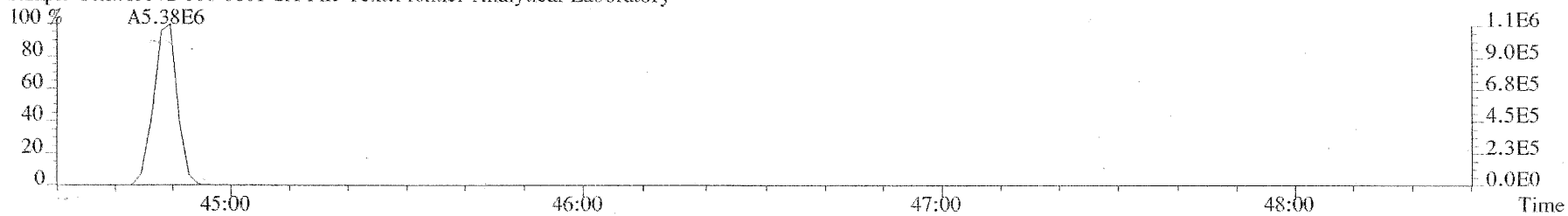
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



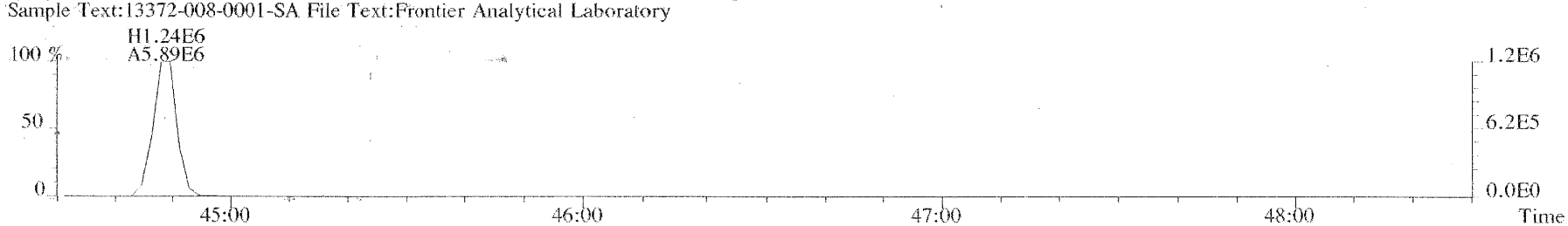
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



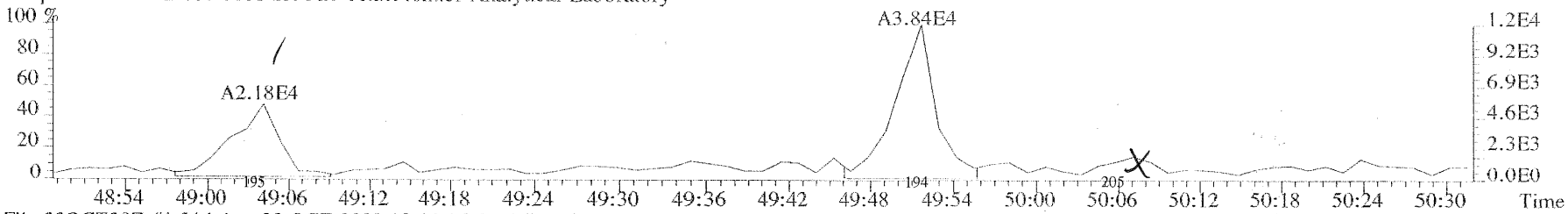
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



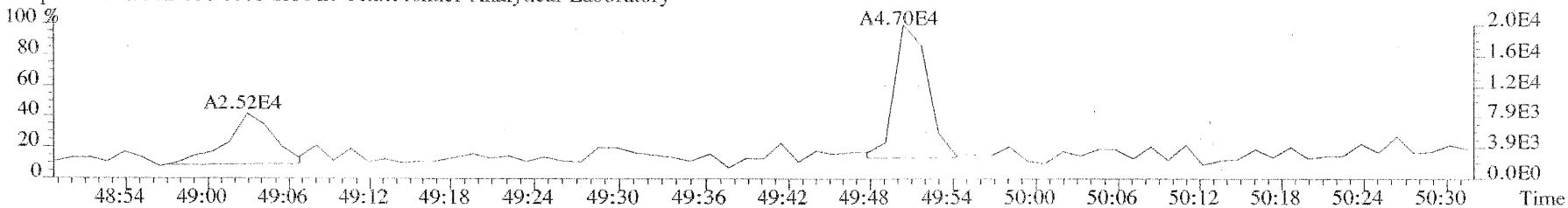
File:23OCT20Z #1-407 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



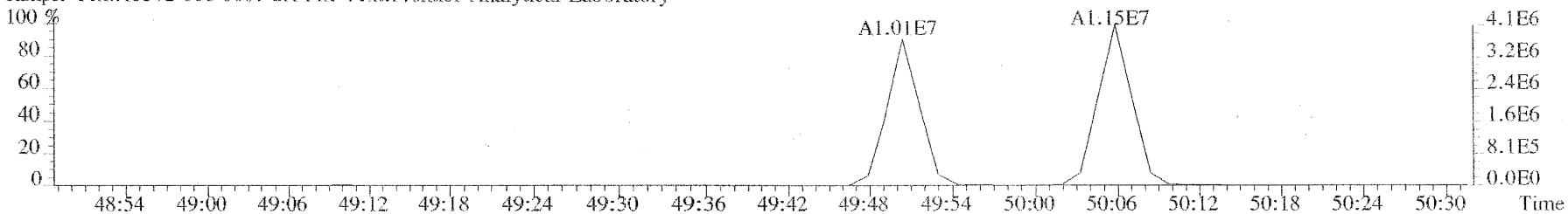
File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



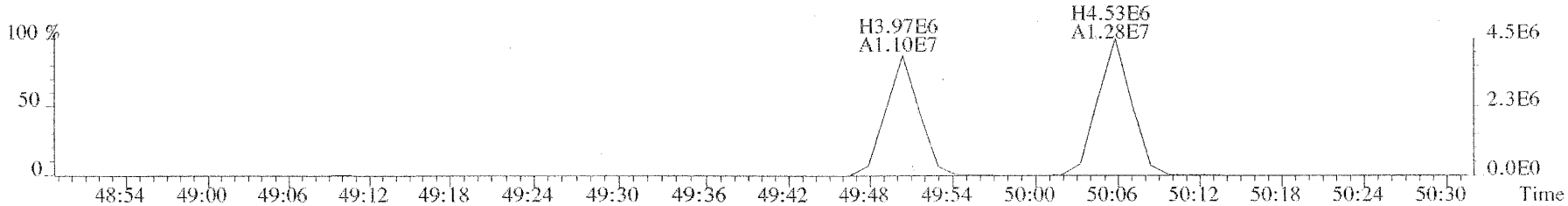
File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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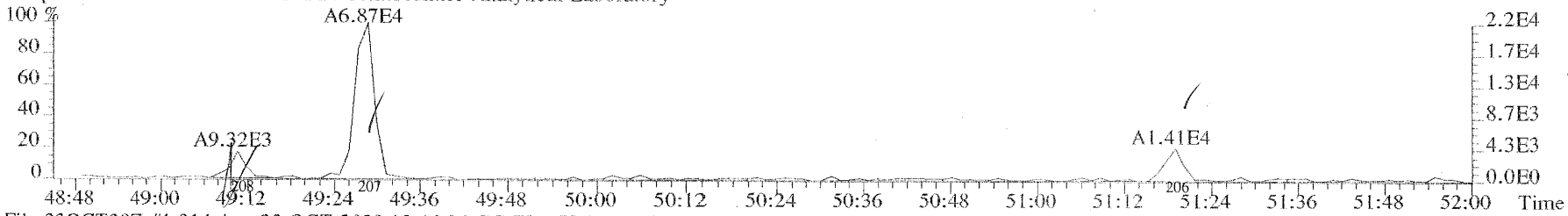
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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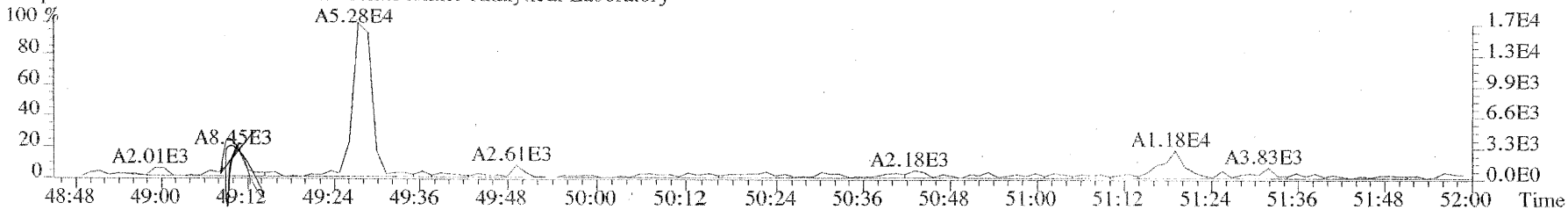
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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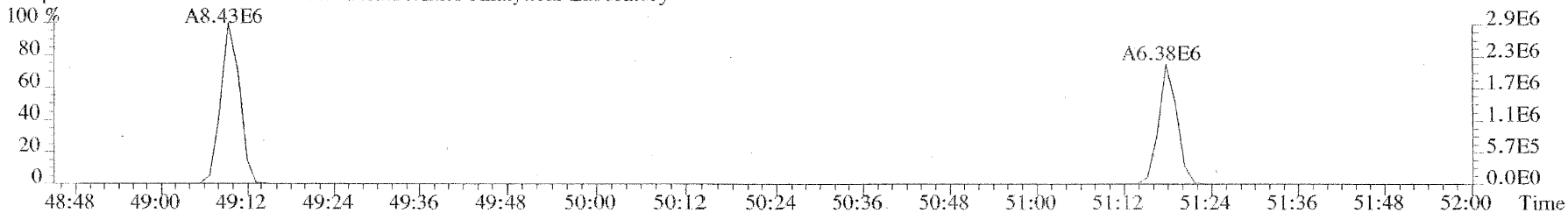
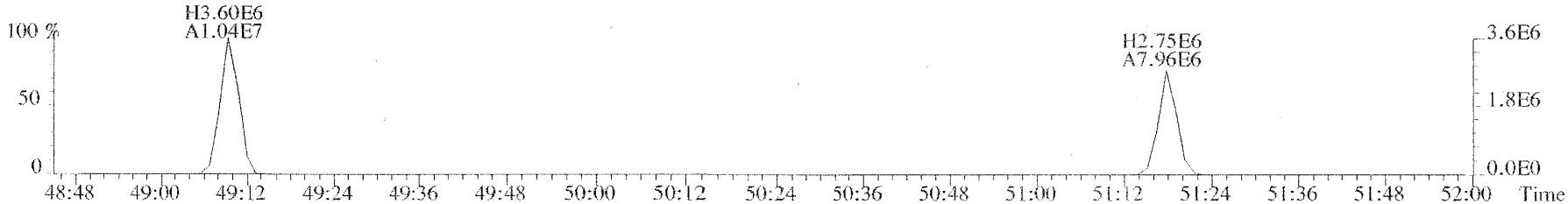
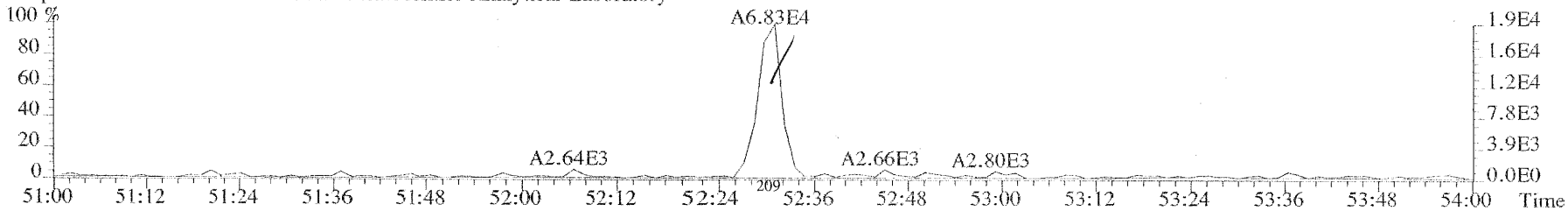
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 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:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 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:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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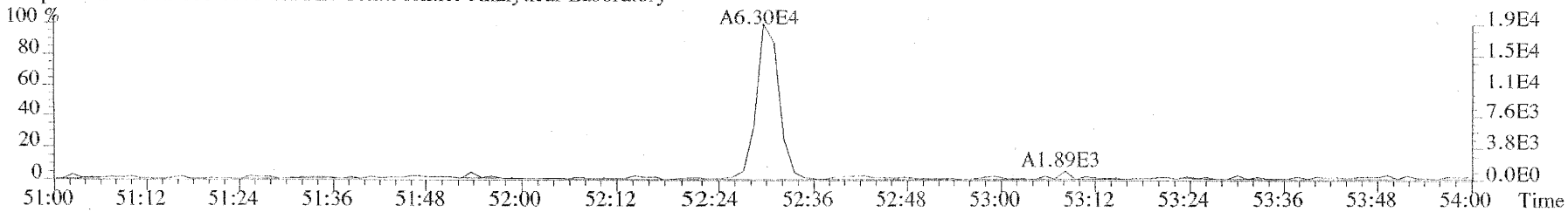
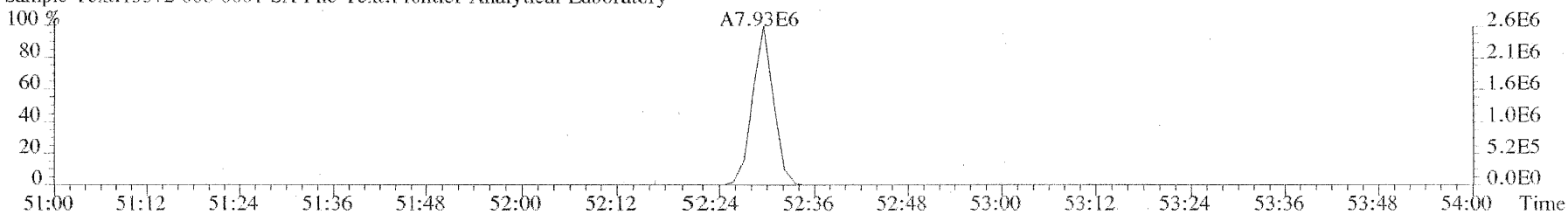
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 13:46:26 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:13372-008-0001-SA File Text:Frontier Analytical Laboratory



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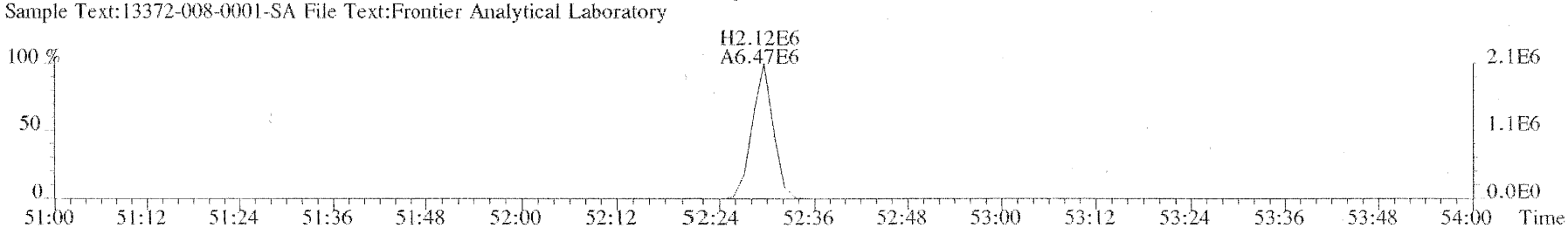
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-008-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-009-0001-SA Filename: 16OCT20Z Sam:12 Acquired: 16-OCT-20 18:30:41 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CC-S010-LONG ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.48	*		1800	1700	5.96			
13C-PCB-1	2.86e+07	3.28 y	14:30	0.70	9870					98.7	7.58e+06	2.32e+06
PCB-2	*	* n	NotFnd	1.48	*		1800	1700	6.39			
PCB-3	*	* n	NotFnd	1.47	*		1800	1700	6.86			
13C-PCB-3	2.77e+07	3.28 y	16:55	0.68	9830					98.3	6.71e+06	2.01e+06
PCB-4	3.92e+05	1.57 y	18:12	1.02	150		-	-	*			
PCB-10	*	* n	NotFnd	1.54	*		744	2210	5.34			
13C-PCB-4	2.56e+07	1.62 y	18:10	0.67	9240					92.4	5.05e+06	3.06e+06
PCB-9	8.47e+04	1.38 y	19:51	1.40	18.8	J	-	-	*			
PCB-7	8.78e+04	1.47 y	19:53	1.47	18.6	J	-	-	*			
PCB-6	3.95e+05	1.50 y	20:28	1.39	88.4		-	-	*			
PCB-8	1.69e+06	1.55 y	20:51	1.40	376		-	-	*			
PCB-5	*	* n	NotFnd	1.44	*		744	2210	5.72			
PCB-14	2.69e+06	1.46 y	21:54	1.39	600		-	-	*			
PCB-11	1.64e+05	1.37 y	23:02	1.30	39.1		-	-	*			
PCB-13	5.58e+04	1.44 y	23:22	1.35	12.8	J	-	-	*			
PCB-12	*	* n	NotFnd	1.31	*		744	2210	6.25			
PCB-15	4.51e+05	1.47 y	23:41	1.23	94.6		-	-	*			
13C-PCB-15	3.88e+07	1.65 y	23:40	0.99	9430					94.3	6.06e+06	3.65e+06
PCB-19	3.03e+05	1.16 y	22:03	1.37	181		-	-	*			
PCB-30	*	* n	NotFnd	2.00	*		1940	440	8.41			
PCB-18	2.32e+06	1.09 y	23:36	1.42	1340		-	-	*			
PCB-17	1.02e+06	1.05 y	23:46	1.52	551		-	-	*			
PCB-27	1.98e+05	1.17 y	24:17	1.97	82.2		-	-	*			
PCB-24	1.70e+05	1.19 y	24:18	1.97	70.7		-	-	*			
PCB-16	7.03e+05	1.02 y	24:46	1.70	339		-	-	*			
PCB-32	1.04e+06	1.18 y	24:49	1.77	479		-	-	*			
13C-PCB-19	1.22e+07	1.16 y	22:02	0.37	7960					79.6	1.84e+06	1.70e+06
13C-PCB-9	4.14e+07	1.65 y	19:50	-	68.0							
PCB-34	*	* n	NotFnd	1.20	*		1720	1550	8.60			
PCB-23	*	* n	NotFnd	1.16	*		1720	1550	8.89			
PCB-29	*	* n	NotFnd	1.21	*		1720	1550	8.50			
PCB-26	8.99e+05	1.02 y	26:04	1.18	219		-	-	*			
PCB-25	5.00e+05	1.05 y	26:14	1.14	126		-	-	*			
PCB-31	3.93e+06	1.17 y	26:33	1.16	974		-	-	*			
PCB-28	4.45e+06	0.95 y	26:40	1.44	886		-	-	*			
PCB-20	2.43e+06	1.11 y	27:15	1.18	589		-	-	*		Co-elute PCB 21/33	
PCB-21	2.43e+06	1.11 y	27:15	1.18	589		-	-	*		Co-elute PCB 20/33	
PCB-33	2.43e+06	1.11 y	27:15	1.18	589		-	-	*		Co-elute PCB 20/21	
PCB-22	1.28e+06	1.09 y	27:40	1.29	285		-	-	*			
PCB-36	2.89e+06	1.07 y	28:14	1.20	689		-	-	*			
PCB-39	*	* n	NotFnd	1.24	*		1720	1550	8.31			
PCB-38	*	* n	NotFnd	1.23	*		1720	1550	8.39			
PCB-35	*	* n	NotFnd	1.16	*		1720	1550	8.85			
PCB-37	6.81e+05	1.12 y	30:19	1.21	162		-	-	*			
13C-PCB-37	3.48e+07	1.13 y	30:18	1.83	10000					100	4.19e+06	3.74e+06

PCB-54	3.44e+04	0.76	y	25:36	1.41	11.0	J	-	-	*		
PCB-50	3.11e+04	0.85	y	26:42	1.12	12.4	J	-	-	*		
PCB-53	5.81e+05	0.75	y	27:17	1.11	236		-	-	*		
PCB-51	2.09e+05	0.73	y	27:36	1.15	81.0		-	-	*		
PCB-45	4.78e+05	0.79	y	28:02	0.97	220		-	-	*		
PCB-46	1.90e+05	0.75	y	28:30	0.94	90.8		-	-	*		
PCB-52	2.73e+06	0.81	y	28:56	1.15	1060		-	-	*	Co-elute PCB 69	
PCB-69	2.73e+06	0.81	y	28:56	1.15	1060		-	-	*	Co-elute PCB 52	
PCB-73	6.98e+04	0.67	y	29:02	1.52	20.6		-	-	*		
PCB-43	1.89e+06	0.74	y	29:12	1.06	795		-	-	*	Co-elute PCB 49	
PCB-49	1.89e+06	0.74	y	29:12	1.06	795		-	-	*	Co-elute PCB 43	
PCB-47	6.79e+05	0.73	y	29:25	1.13	268		-	-	*		
PCB-48	5.56e+05	0.78	y	29:31	1.36	184		-	-	*	Co-elute PCB 75	
PCB-75	5.56e+05	0.78	y	29:31	1.36	184		-	-	*	Co-elute PCB 48	
PCB-65	*	*	n	NotFnd	1.45	*		996	1030	5.82		
PCB-62	*	*	n	NotFnd	1.28	*		996	1030	6.58		
PCB-44	1.63e+06	0.75	y	30:09	0.92	791		-	-	*		
PCB-42	8.44e+05	0.78	y	30:23	1.20	317		-	-	*	Co-elute PCB 59	
PCB-59	8.44e+05	0.78	y	30:23	1.20	317		-	-	*	Co-elute PCB 42	
PCB-72	2.13e+06	0.77	y	30:56	1.36	703		-	-	*	Co-elute PCB 41/71/64	
PCB-41	2.13e+06	0.77	y	30:56	1.36	703		-	-	*	Co-elute PCB 72/71/64	
PCB-71	2.13e+06	0.77	y	30:56	1.36	703		-	-	*	Co-elute PCB 72/41/64	
PCB-64	2.13e+06	0.77	y	30:56	1.36	703		-	-	*	Co-elute PCB 72/41/71	
PCB-68	5.05e+04	0.78	y	31:10	1.55	14.6	J	-	-	*		
PCB-40	2.99e+05	0.76	y	31:23	0.87	154		-	-	*		
PCB-57	*	*	n	NotFnd	1.46	*		996	1030	5.78		
PCB-67	9.20e+04	0.83	y	32:02	1.46	28.1		-	-	*		
PCB-58	*	*	n	NotFnd	1.45	*		996	1030	5.81		
PCB-63	9.03e+04	0.87	y	32:17	1.49	27.2		-	-	*		
PCB-74	9.47e+05	0.79	y	32:32	1.48	287		-	-	*		
PCB-61	2.02e+06	0.79	y	32:45	1.34	679		-	-	*	Co-elute PCB 70	
PCB-70	2.02e+06	0.79	y	32:45	1.34	679		-	-	*	Co-elute PCB 61	
PCB-76	1.86e+06	0.83	y	32:56	1.53	543		-	-	*	Co-elute PCB 66	
PCB-66	1.86e+06	0.83	y	32:56	1.53	543		-	-	*	Co-elute PCB 76	
PCB-80	4.07e+04	0.83	y	33:08	1.74	10.5	J	-	-	*		
PCB-55	1.57e+05	0.86	y	33:28	1.52	46.4		-	-	*		
13C-PCB-54	2.23e+07	0.81	y	25:34	1.13	10500					105	2.67e+06 3.33e+06
PCB-104	3.87e+06	1.60	y	30:02	1.26	2460		-	-	*		
PCB-96	2.52e+04	1.38	y	31:13	1.23	16.3	J	-	-	*		
PCB-103	3.18e+04	1.67	y	31:44	1.05	24.3		-	-	*		
PCB-100	2.45e+04	1.61	y	32:04	1.05	18.6	J	-	-	*		
PCB-94	*	*	n	NotFnd	0.89	*		308	372	6.45		
PCB-98	*	*	n	NotFnd	0.90	*		308	372	6.38	Co-elute PCB 102	
PCB-102	*	*	n	NotFnd	0.90	*		308	372	6.38	Co-elute PCB 98	
PCB-95	1.26e+06	1.61	y	33:01	0.95	1060		-	-	*		
PCB-93	*	*	n	NotFnd	0.94	*		308	372	6.06		
PCB-88	*	*	n	NotFnd	0.98	*		308	372	5.84	Co-elute PCB 91	
PCB-91	*	*	n	NotFnd	0.98	*		308	372	5.84	Co-elute PCB 88	
PCB-121	5.88e+06	1.57	y	33:28	1.25	3760		-	-	*		
13C-PCB-104	1.25e+07	1.61	y	30:01	0.74	8960					89.6	1.84e+06 1.14e+06
13C-PCB-28	3.97e+07	1.07	y	26:38	2.17	9670					96.7	5.33e+06 4.93e+06
13C-PCB-52	1.89e+07	0.81	y	28:54	-	64.1						

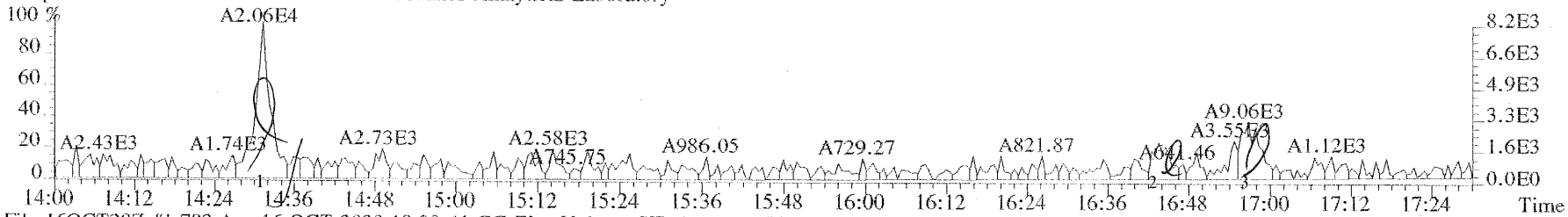
PCB-56	1.53e+06	0.77	y	33:55	1.22	447		-	-	*		Co-elute PCB 60
PCB-60	1.53e+06	0.77	y	33:55	1.22	447		-	-	*		Co-elute PCB 56
PCB-79	3.79e+04	0.77	y	34:56	1.29	10.5	J	-	-	*		
PCB-78	9.83e+06	0.80	y	35:35	1.26	2770		-	-	*		
PCB-81	7.81e+04	0.77	y	36:07	1.34	21.0		-	-	*		
13C-PCB-81	2.78e+07	0.81	y	36:04	1.76	9650					96.5	2.93e+06 3.57e+06
PCB-77	1.67e+05	0.81	y	36:40	1.18	50.1		-	-	*		
13C-PCB-77	2.83e+07	0.80	y	36:38	1.84	9430					94.3	2.61e+06 3.40e+06
PCB-155	7.16e+06	1.29	y	34:11	1.16	4590		-	-	*		
PCB-150	*	*	n	NotFnd	1.13	*		460	452	6.44		
PCB-152	*	*	n	NotFnd	1.11	*		460	452	6.52		
PCB-145	*	*	n	NotFnd	1.12	*		460	452	6.46		
PCB-136	2.58e+05	1.31	y	36:33	1.07	180		-	-	*		
PCB-148	*	*	n	NotFnd	0.87	*		460	452	8.33		
PCB-154	4.69e+04	1.40	y	37:08	0.94	37.0		-	-	*		
13C-PCB-155	1.34e+07	1.34	y	34:09	0.98	8390					83.9	1.81e+06 1.34e+06
13C-PCB-111	1.98e+07	1.63	y	36:14	1.26	9650					96.5	2.77e+06 1.68e+06
13C-PCB-101	1.63e+07	1.66	y	34:36	-	61.1						
PCB-84	9.34e+05	1.66	y	34:16	0.65	505		-	-	*		Co-elute PCB 92
PCB-92	9.34e+05	1.66	y	34:16	0.65	505		-	-	*		Co-elute PCB 84
PCB-89	3.29e+04	1.49	y	34:26	0.64	17.9	J	-	-	*		
PCB-90	2.01e+06	1.60	y	34:37	0.71	986		-	-	*		Co-elute PCB 101
PCB-101	2.01e+06	1.60	y	34:37	0.71	986		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.80	*		987	789	8.78		
PCB-99	8.91e+05	1.56	y	34:56	0.82	382		-	-	*		
PCB-119	8.17e+04	1.39	y	35:21	0.93	30.7		-	-	*		
PCB-83	8.49e+04	1.67	y	35:31	0.73	40.5		-	-	*		Co-elute PCB 112
PCB-112	8.49e+04	1.67	y	35:31	0.73	40.5		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.87	*		987	789	8.00		
PCB-97	4.85e+05	1.67	y	35:50	0.63	268		-	-	*		
PCB-86	*	*	n	NotFnd	0.61	*		987	789	11.4		
PCB-125	6.66e+05	1.69	y	36:07	0.84	276		-	-	*		Co-elute PCB 87/117
PCB-87	6.66e+05	1.69	y	36:07	0.84	276		-	-	*		Co-elute PCB 125/117
PCB-117	6.66e+05	1.69	y	36:07	0.84	276		-	-	*		Co-elute PCB 125/87
PCB-111	6.21e+04	1.51	y	36:17	0.92	23.7		-	-	*		Co-elute PCB 115
PCB-115	6.21e+04	1.51	y	36:17	0.92	23.7		-	-	*		Co-elute PCB 111
PCB-85	2.71e+05	1.58	y	36:22	0.78	121		-	-	*		Co-elute PCB 116
PCB-116	2.71e+05	1.58	y	36:22	0.78	121		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	0.98	*		987	789	7.17		
PCB-110	2.18e+06	1.55	y	36:45	0.91	839		-	-	*		
PCB-82	1.52e+05	1.58	y	37:20	0.57	93.6		-	-	*		
PCB-124	9.85e+04	1.48	y	37:59	1.17	29.4		-	-	*		
PCB-108	1.37e+05	1.52	y	38:09	1.17	40.9		-	-	*		Co-elute PCB 107
PCB-107	1.37e+05	1.52	y	38:09	1.17	40.9		-	-	*		Co-elute PCB 108
PCB-123	4.11e+04	1.35	y	38:18	1.13	13.0	J	-	-	*		
13C-PCB-123	2.80e+07	1.59	y	38:16	1.42	9880					98.8	4.00e+06 2.53e+06
PCB-118	1.65e+06	1.55	y	38:27	1.15	479		-	-	*		Co-elute PCB 106
PCB-106	1.65e+06	1.55	y	38:27	1.15	479		-	-	*		Co-elute PCB 118
13C-PCB-118	3.00e+07	1.58	y	38:26	1.57	9560					95.6	3.88e+06 2.43e+06
PCB-114	5.17e+04	1.39	y	39:05	1.20	14.7	J	-	-	*		
13C-PCB-114	2.93e+07	1.60	y	39:04	1.55	9450					94.5	4.16e+06 2.66e+06
PCB-122	*	*	n	NotFnd	1.21	*		868	1030	6.22		
PCB-105	5.70e+05	1.61	y	39:55	1.21	173		-	-	*		
13C-PCB-105	2.72e+07	1.62	y	39:53	1.52	8950					89.5	3.59e+06 2.18e+06

PCB-127	*	*	n	NotFnd	1.13	*		868	1030	6.63				
PCB-126	*	*	n	NotFnd	1.17	*		868	1030	6.29				
13C-PCB-126	2.81e+07	1.60	y	42:00	1.41	9990					99.9	3.98e+06	2.47e+06	
PCB-151	4.98e+05	1.32	y	37:45	1.04	228		-	-	*				
PCB-135	2.95e+05	1.31	y	37:56	1.03	137		-	-	*				
PCB-144	9.74e+04	1.21	y	38:03	1.08	43.2		-	-	*				
PCB-147	5.54e+04	1.29	y	38:09	1.10	24.0		-	-	*				
PCB-139	1.73e+06	1.24	y	38:24	1.11	744		-	-	*				Co-elute PCB 149
PCB-149	1.73e+06	1.24	y	38:24	1.11	744		-	-	*				Co-elute PCB 139
PCB-140	2.98e+04	1.08	y	38:36	1.12	12.7	J	-	-	*				
PCB-143	9.27e+04	1.10	y	39:00	0.95	46.7		-	-	*				Co-elute PCB 134
PCB-134	9.27e+04	1.10	y	39:00	0.95	46.7		-	-	*				Co-elute PCB 143
PCB-131	5.32e+04	1.23	y	39:17	0.95	26.7		-	-	*				Co-elute PCB 133
PCB-133	5.32e+04	1.23	y	39:17	0.95	26.7		-	-	*				Co-elute PCB 131
PCB-142	1.41e+06	1.24	y	39:27	0.96	700		-	-	*				
PCB-165	2.82e+05	1.30	y	39:38	1.24	108		-	-	*				Co-elute PCB 146
PCB-146	2.82e+05	1.30	y	39:38	1.24	108		-	-	*				Co-elute PCB 165
PCB-161	5.44e+05	1.26	y	39:55	1.17	223		-	-	*				Co-elute PCB 132
PCB-132	5.44e+05	1.26	y	39:55	1.17	223		-	-	*				Co-elute PCB 161
PCB-153	1.86e+06	1.27	y	40:01	1.25	709		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1050	1070	7.90				
PCB-141	2.52e+05	1.11	y	40:44	1.06	113		-	-	*				
PCB-137	6.92e+04	1.08	y	41:05	1.05	31.4		-	-	*				
PCB-130	7.69e+04	1.43	y	41:12	0.94	39.1		-	-	*				
PCB-138	1.61e+06	1.26	y	41:32	1.24	618		-	-	*				Co-elute PCB 163/164
PCB-163	1.61e+06	1.26	y	41:32	1.24	618		-	-	*				Co-elute PCB 138/164
PCB-164	1.61e+06	1.26	y	41:32	1.24	618		-	-	*				Co-elute PCB 138/163
PCB-158	1.80e+05	1.33	y	41:45	1.38	62.5		-	-	*				Co-elute PCB 160
PCB-160	1.80e+05	1.33	y	41:45	1.38	62.5		-	-	*				Co-elute PCB 158
PCB-129	5.65e+04	1.10	y	42:00	0.90	29.9		-	-	*				
PCB-166	*	*	n	NotFnd	1.34	*		1050	1070	8.11				
PCB-159	4.80e+04	1.13	y	42:46	1.39	16.5	J	-	-	*				
PCB-128	1.99e+05	1.25	y	43:01	1.16	81.5		-	-	*				Co-elute PCB 162
PCB-162	1.99e+05	1.25	y	43:01	1.16	81.5		-	-	*				Co-elute PCB 128
PCB-167	5.93e+04	1.08	y	43:24	1.26	22.3		-	-	*				
13C-PCB-167	2.12e+07	1.32	y	43:22	1.13	9330					93.3	2.66e+06	1.95e+06	
PCB-156	1.04e+05	1.14	y	44:36	1.32	38.7		-	-	*				
13C-PCB-156	2.04e+07	1.32	y	44:34	1.08	9460					94.6	2.46e+06	1.92e+06	
PCB-157	*	*	n	NotFnd	1.27	*		1050	1070	8.59				
13C-PCB-157	2.16e+07	1.30	y	44:51	1.10	9810					98.1	2.79e+06	2.08e+06	
PCB-169	*	*	n	NotFnd	1.23	*		1050	1070	7.32				
13C-PCB-169	2.07e+07	1.27	y	46:43	1.04	9940					99.4	3.33e+06	2.57e+06	

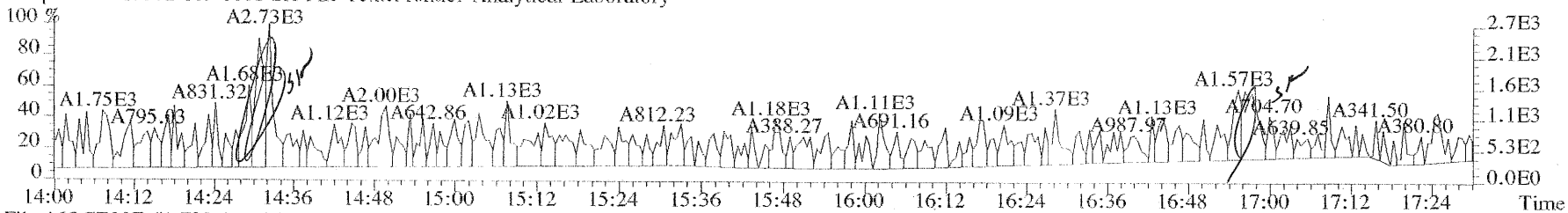
PCB-188	*	*	n	NotFnd	1.20	*		560	448	6.54			
13C-PCB-188	1.47e+07	1.09	y	39:40	0.90	8190					81.9	1.67e+06	1.53e+06
PCB-184	9.38e+06	1.07	y	40:06	1.35	5090		-	-	*			
PCB-179	1.55e+05	1.15	y	40:51	1.32	85.9		-	-	*			
PCB-176	5.07e+04	0.99	y	41:17	1.27	29.3		-	-	*			
PCB-186	*	*	n	NotFnd	1.26	*		560	448	5.54			
PCB-178	4.96e+04	1.04	y	42:18	0.91	39.7		-	-	*			
PCB-175	*	*	n	NotFnd	0.95	*		560	448	7.30			
PCB-187	3.06e+05	1.08	y	42:47	1.02	219		-	-	*		Co-elute PCB 182	
PCB-182	3.06e+05	1.08	y	42:47	1.02	219		-	-	*		Co-elute PCB 187	
PCB-183	1.44e+05	1.08	y	43:06	1.02	103		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		560	448	7.42			
PCB-174	2.06e+05	1.09	y	44:05	1.00	151		-	-	*			
PCB-181	*	*	n	NotFnd	0.88	*		560	448	7.88			
PCB-177	9.84e+04	1.15	y	44:20	0.86	83.3		-	-	*			
PCB-171	5.75e+04	0.93	y	44:36	0.93	45.4		-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		560	448	8.41			
PCB-172	1.37e+05	1.05	y	45:22	0.85	118		-	-	*			
PCB-192	6.63e+06	1.07	y	45:35	1.12	4320		-	-	*			
PCB-180	3.21e+05	1.00	y	45:45	0.88	266		-	-	*			
PCB-193	2.68e+04	1.10	y	45:55	1.21	16.2	J	-	-	*			
PCB-191	*	*	n	NotFnd	1.16	*		560	448	6.02			
PCB-170	1.10e+05	1.11	y	47:03	0.88	91.4		-	-	*			
PCB-190	3.40e+04	1.03	y	47:11	1.14	21.9		-	-	*			
PCB-189	*	*	n	NotFnd	1.20	*		560	448	4.94			
13C-PCB-189	1.26e+07	1.12	y	48:23	0.74	8580					85.8	2.27e+06	1.99e+06
PCB-202	*	*	n	NotFnd	1.12	*		372	404	8.25			
PCB-201	*	*	n	NotFnd	1.28	*		372	404	7.26			
PCB-204	1.11e+07	0.93	y	45:22	1.24	10800		-	-	*			
PCB-197	6.53e+04	0.94	y	45:39	1.29	61.0		-	-	*			
PCB-200	*	*	n	NotFnd	1.28	*		372	404	7.25			
PCB-198	*	*	n	NotFnd	0.96	*		372	404	9.63			
PCB-199	3.02e+04	0.89	y	47:40	0.93	39.2		-	-	*			
PCB-203	3.90e+04	0.81	y	47:55	0.98	47.8		-	-	*		Co-elute PCB 196	
PCB-196	3.90e+04	0.81	y	47:55	0.98	47.8		-	-	*		Co-elute PCB 203	
13C-PCB-202	8.30e+06	0.95	y	44:46	0.55	7500					75.0	1.04e+06	1.05e+06
13C-PCB-178	9.98e+06	1.08	y	42:18	0.66	7550					75.5	1.21e+06	1.09e+06
13C-PCB-138	2.00e+07	1.28	y	41:30	-	66.4							
PCB-195	*	*	n	NotFnd	0.91	*		640	705	4.71			
PCB-194	7.63e+04	0.79	y	49:49	0.93	37.2		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		640	705	3.74			
13C-PCB-205	2.21e+07	0.89	y	50:03	1.24	9350					93.5	3.82e+06	4.05e+06
PCB-208	*	*	n	NotFnd	1.13	*		1210	1350	7.74			
13C-PCB-208	2.08e+07	0.83	y	49:07	1.08	10100					101	3.28e+06	4.04e+06
PCB-207	9.60e+04	1.45	y	49:25	1.31	41.1		-	-	*			
PCB-206	*	*	n	NotFnd	1.17	*		1210	1350	12.0			
13C-PCB-206	1.50e+07	0.80	y	51:15	0.77	10100					101	2.02e+06	2.52e+06
PCB-209	9.92e+04	1.06	y	52:27	1.27	60.1		-	-	*			
13C-PCB-209	1.30e+07	1.22	y	52:26	0.73	9310					93.1	2.29e+06	1.92e+06
13C-PCB-194	1.91e+07	0.89	y	49:48	-	61.5							

Analyst: _____ Date: 10/19/20

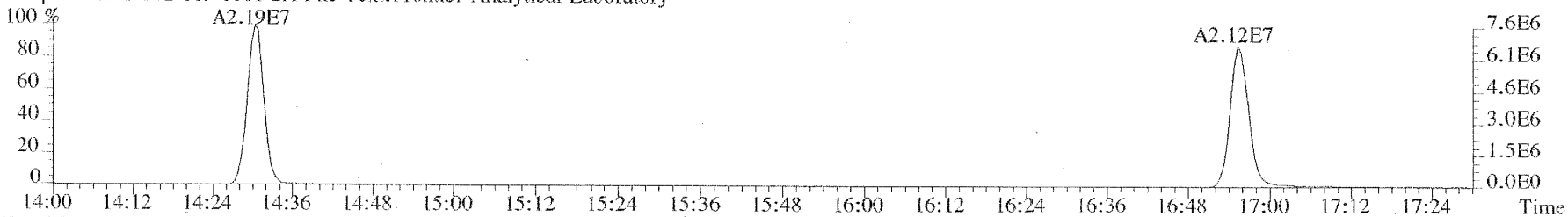
File:16OCT20Z #1-783 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



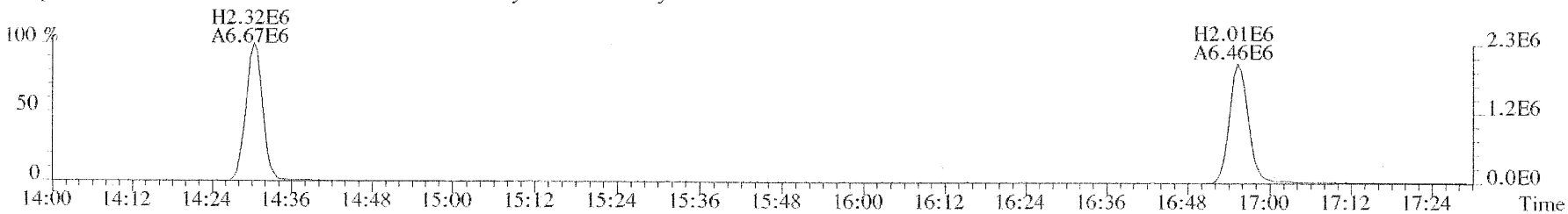
File:16OCT20Z #1-783 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



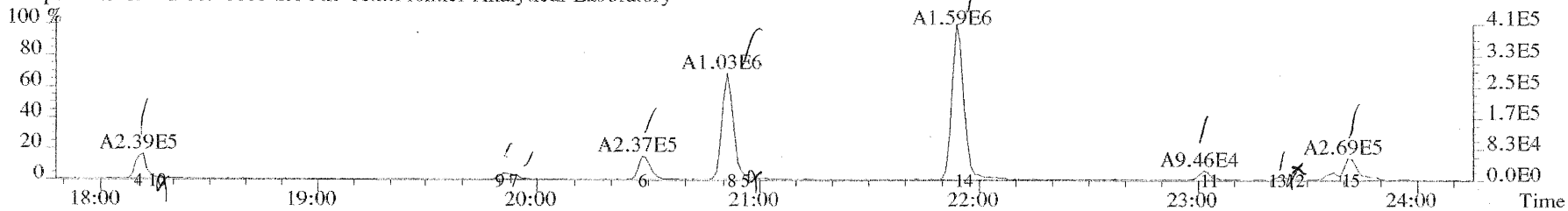
File:16OCT20Z #1-783 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



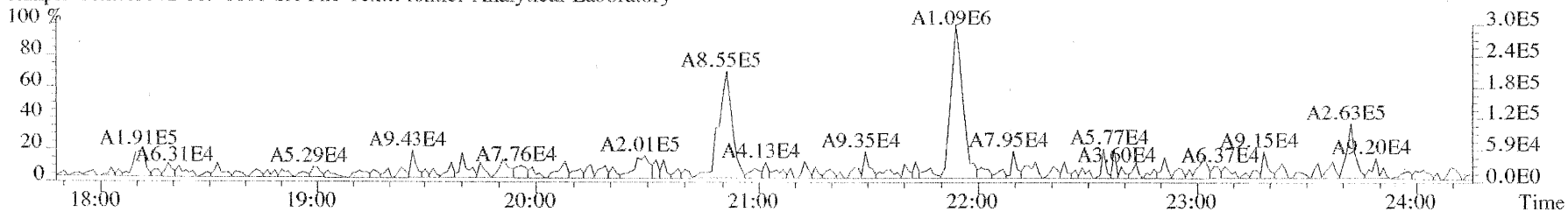
File:16OCT20Z #1-783 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:12 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



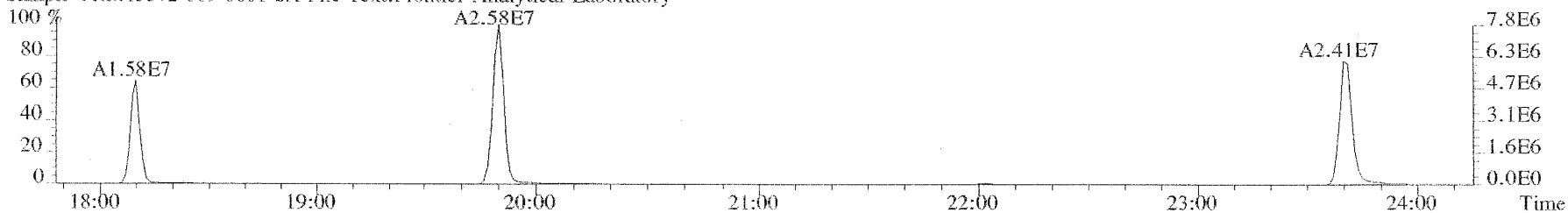
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



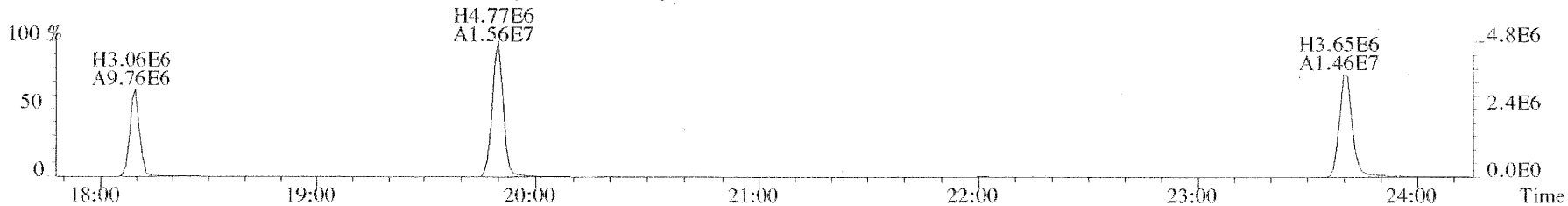
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



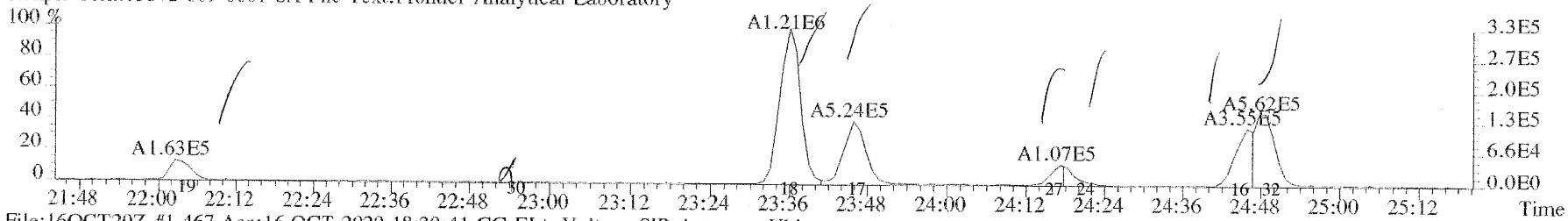
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



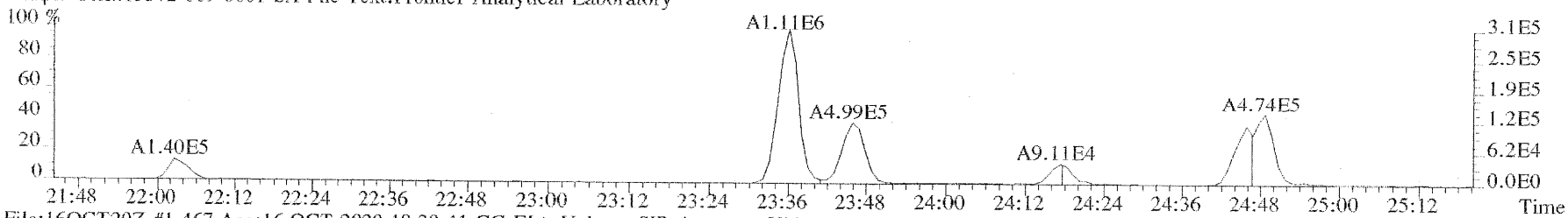
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:12 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



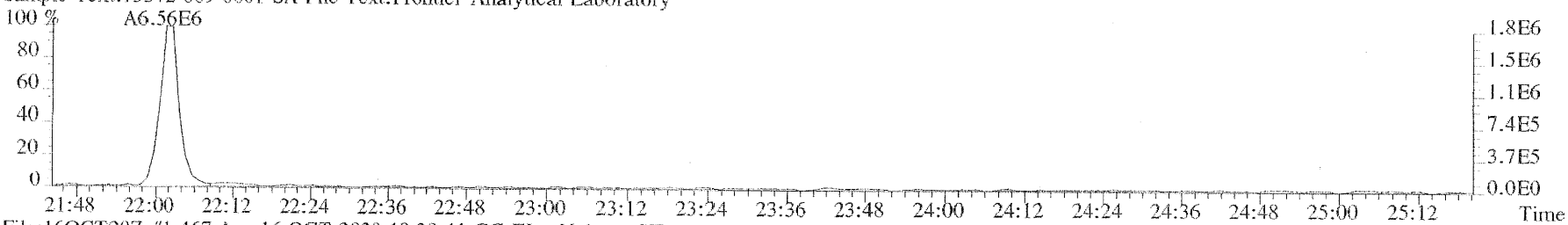
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



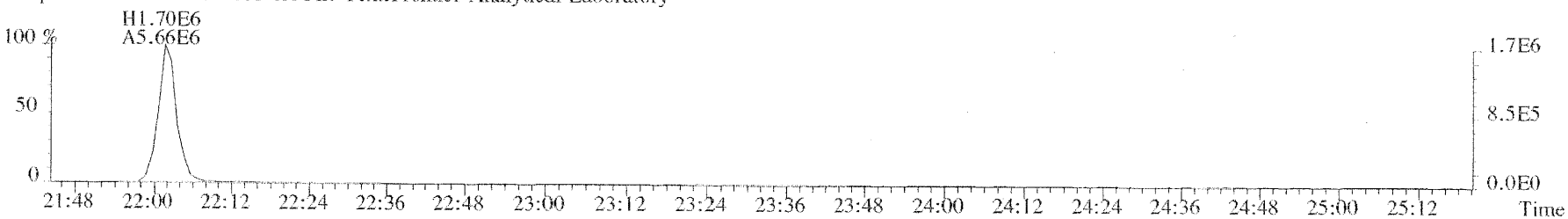
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



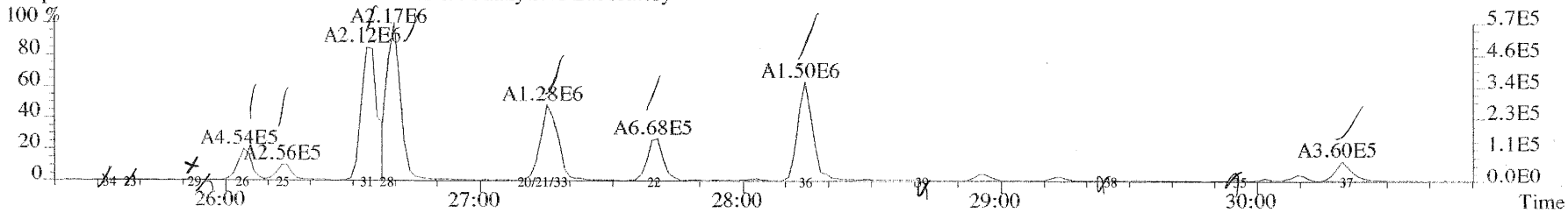
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



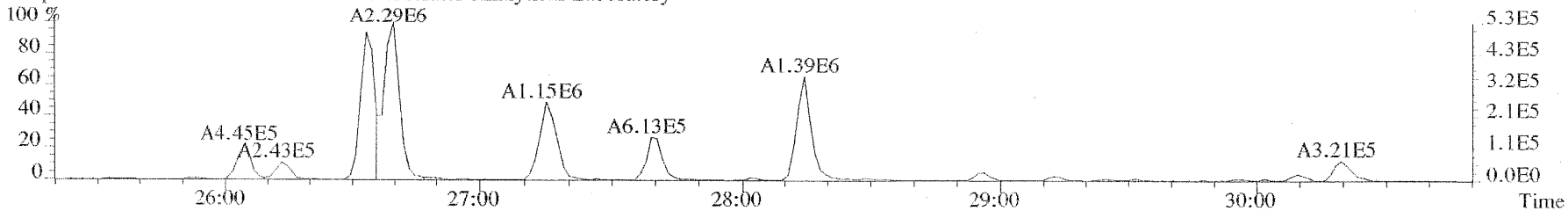
File:16OCT20Z #1-467 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



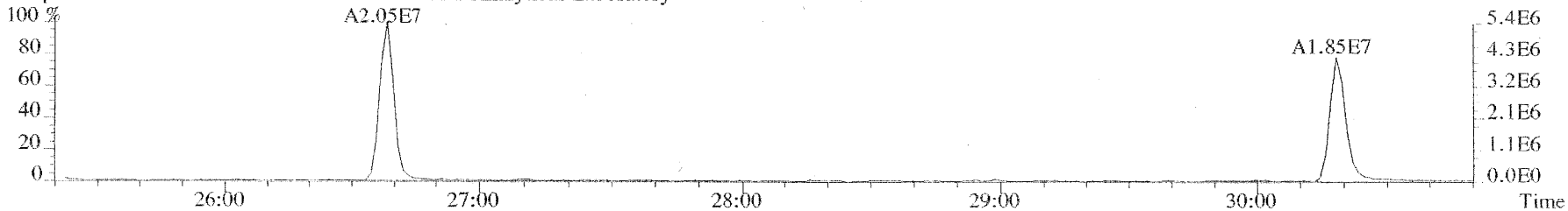
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



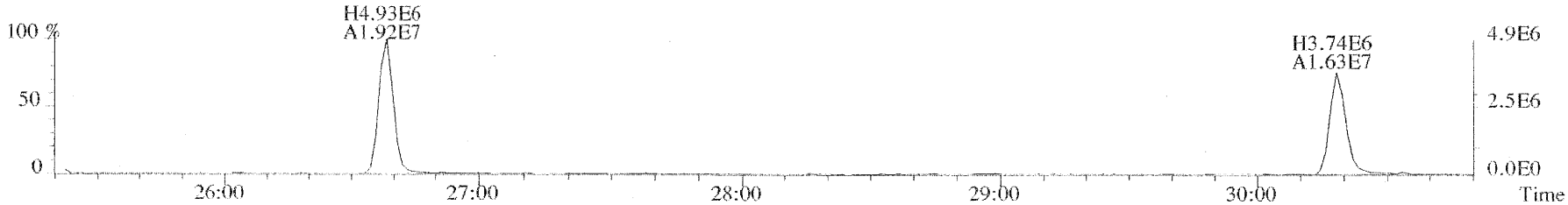
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



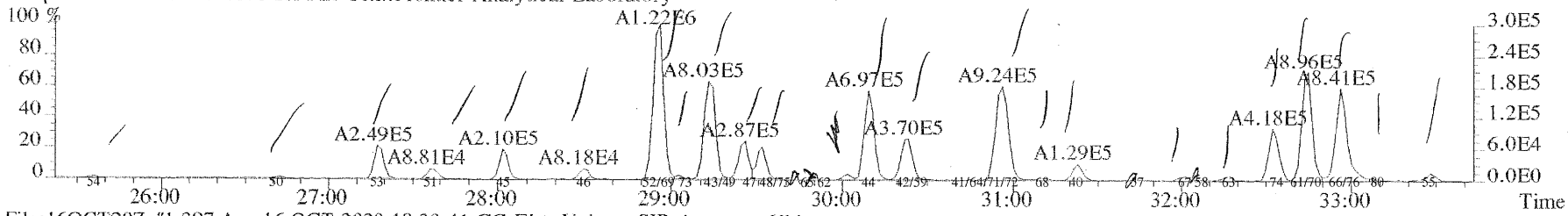
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



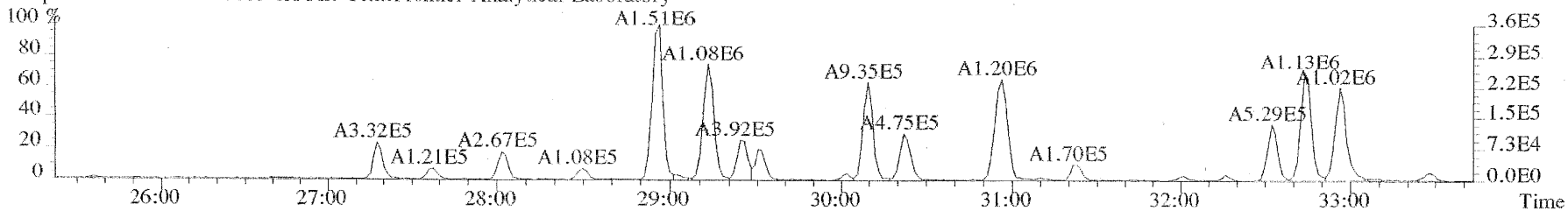
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:12 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



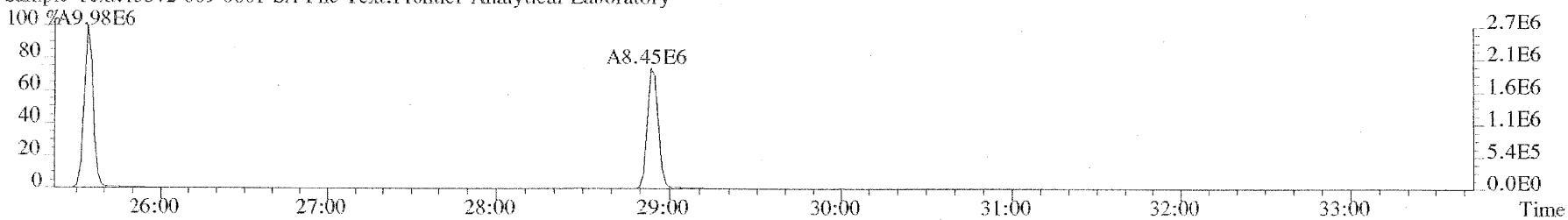
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



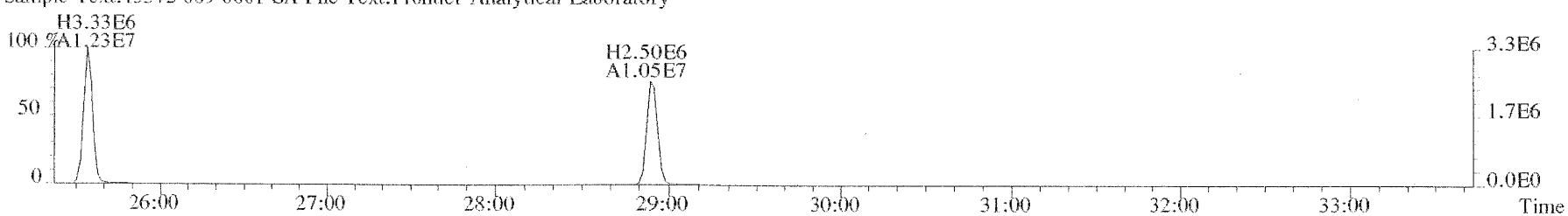
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



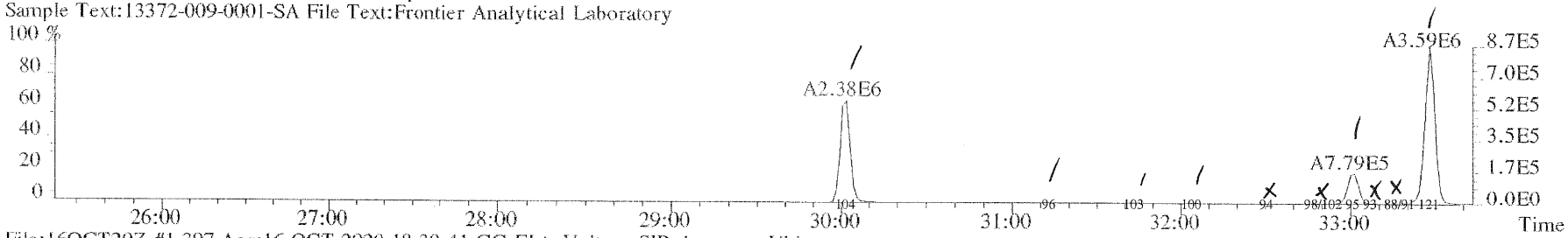
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



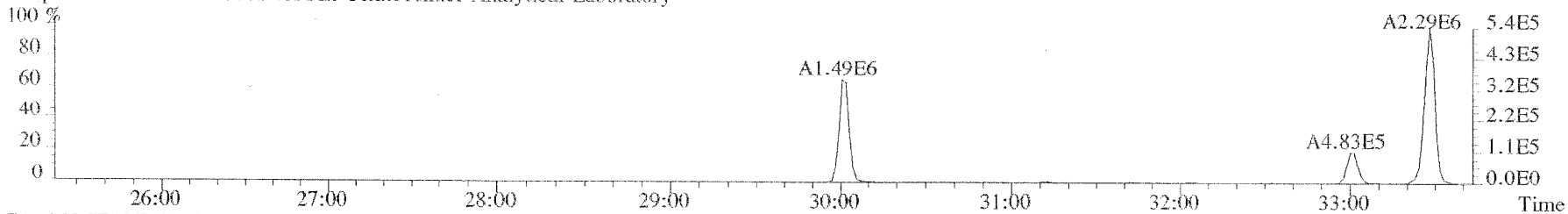
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



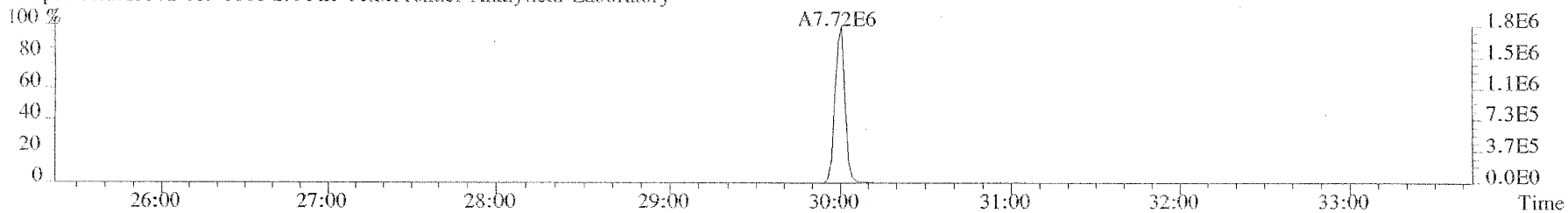
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



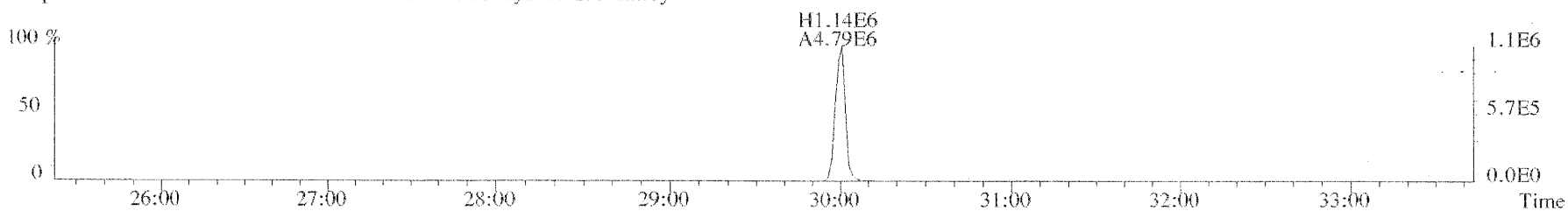
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



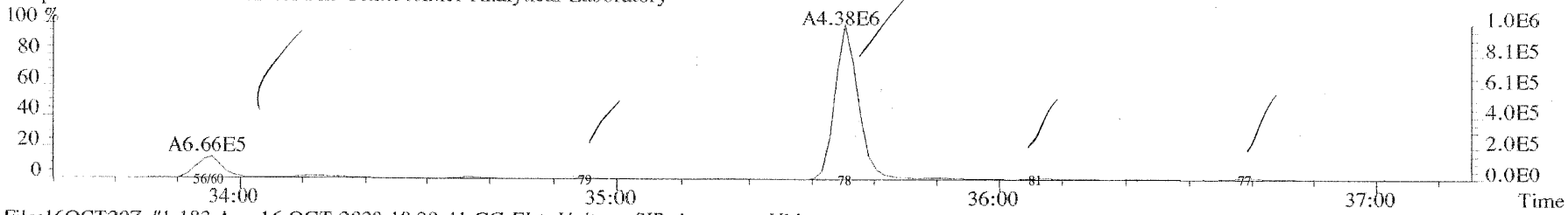
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



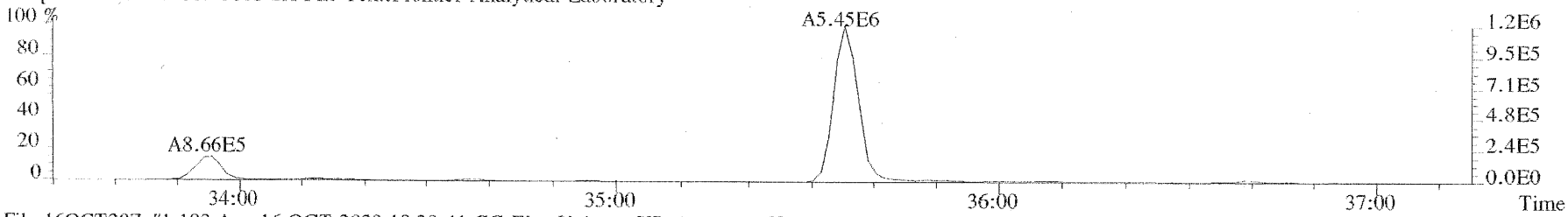
File:16OCT20Z #1-397 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



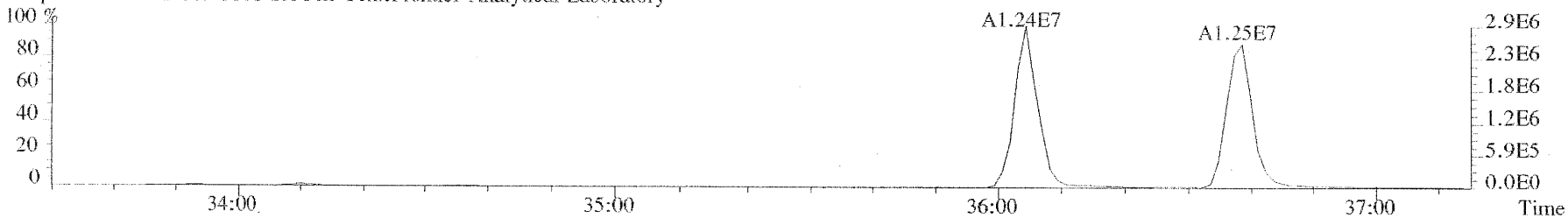
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



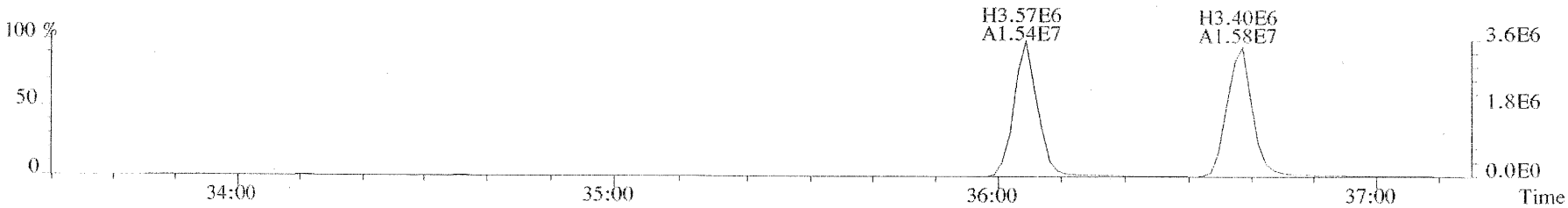
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



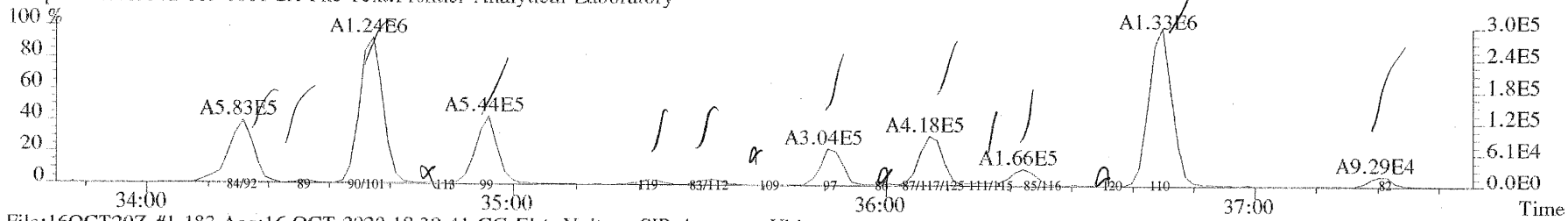
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



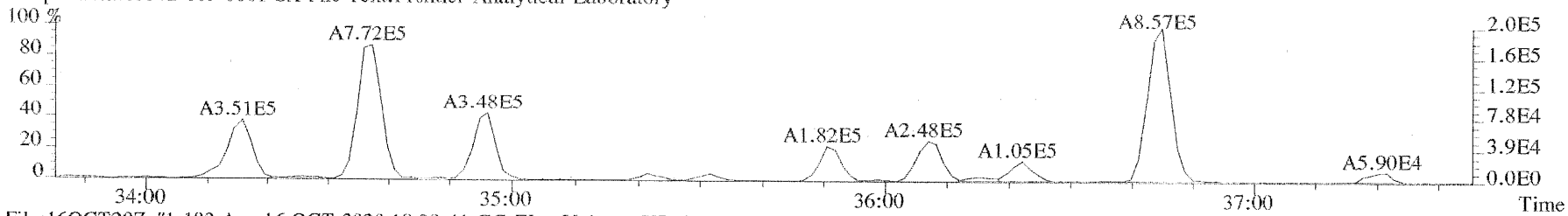
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



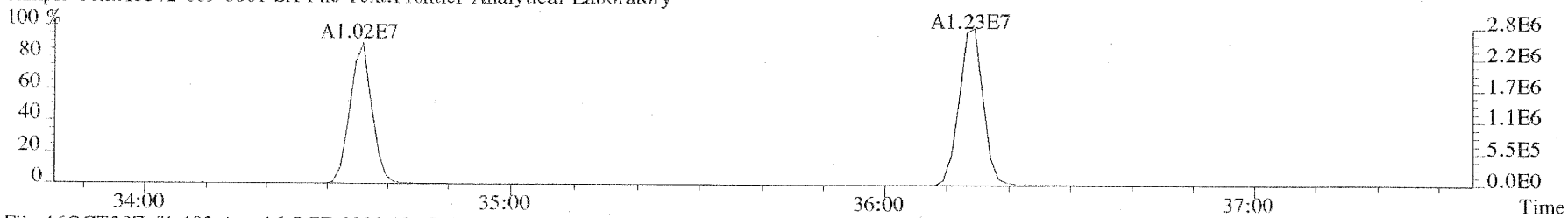
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



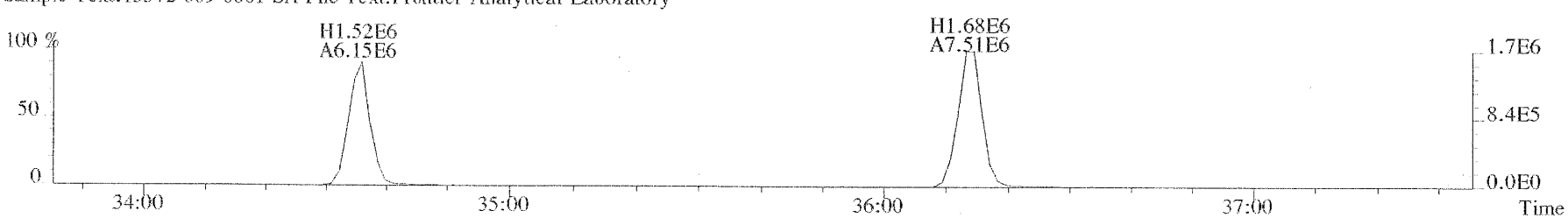
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



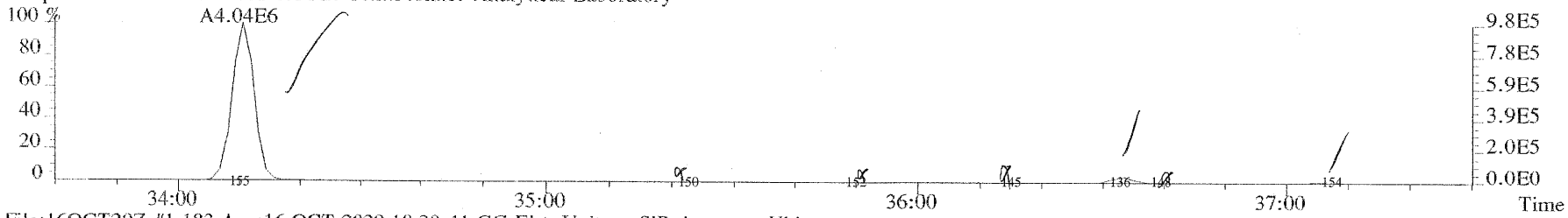
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



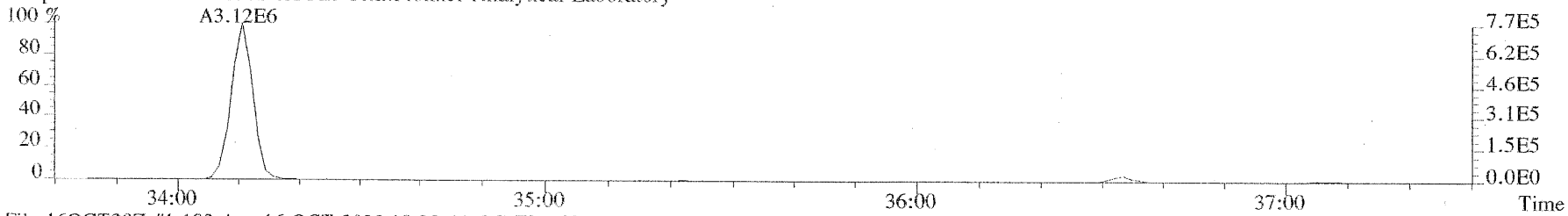
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



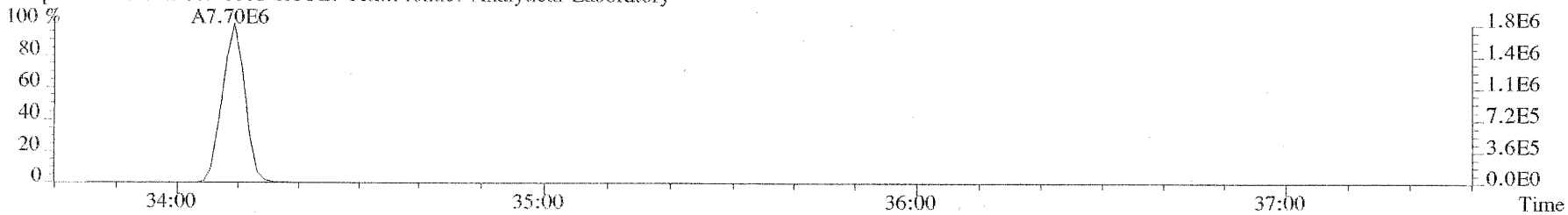
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



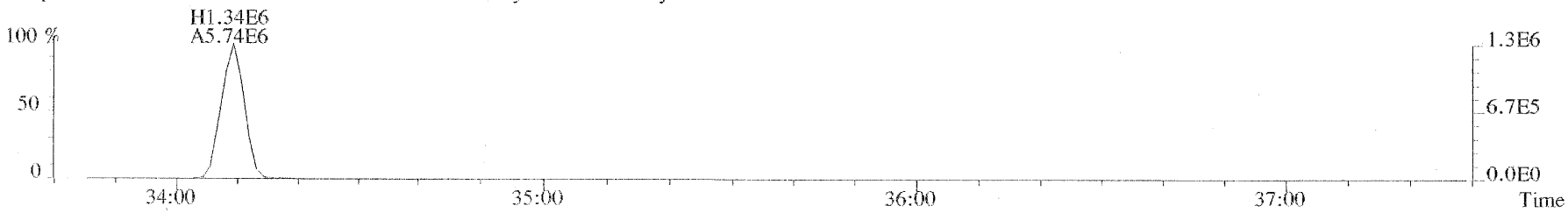
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



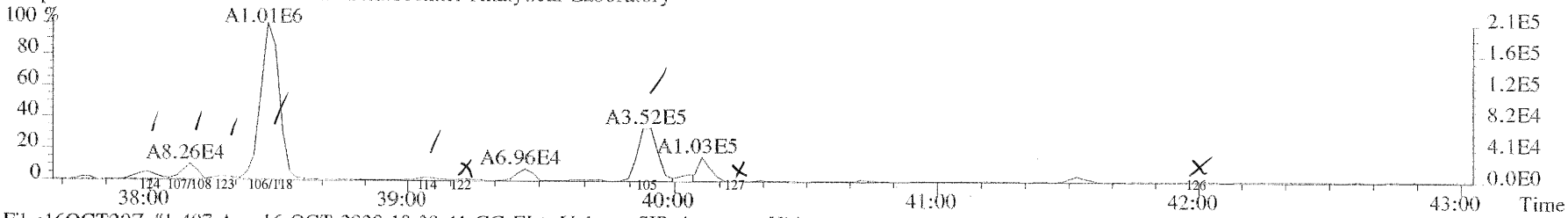
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



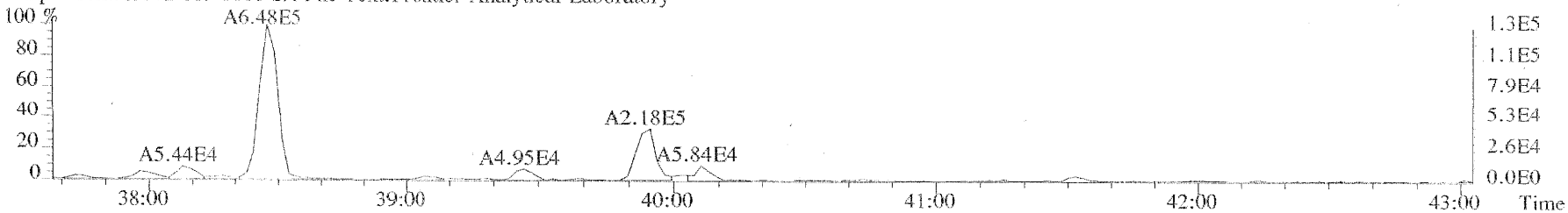
File:16OCT20Z #1-183 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



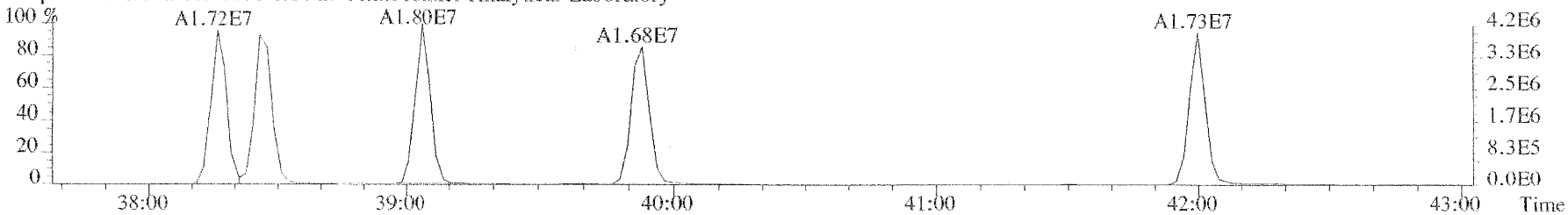
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:12 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



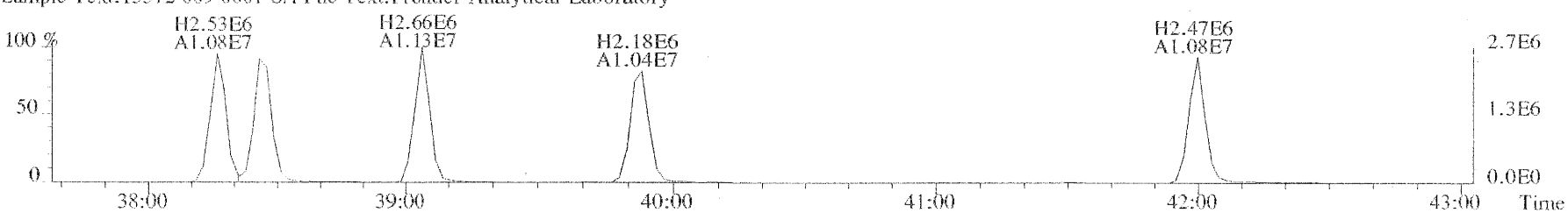
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:12 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



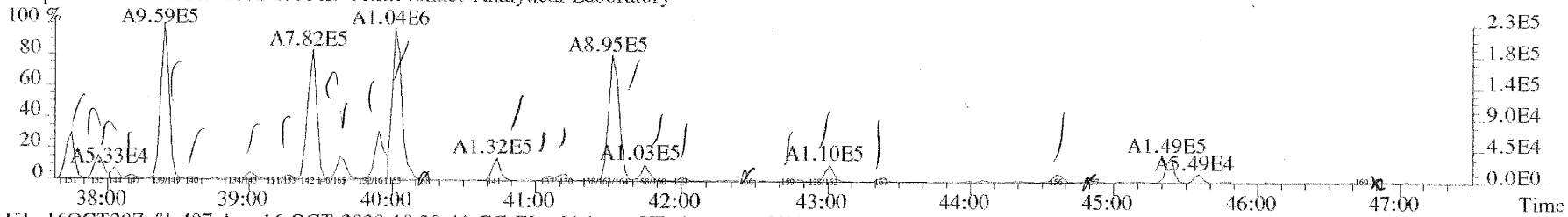
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



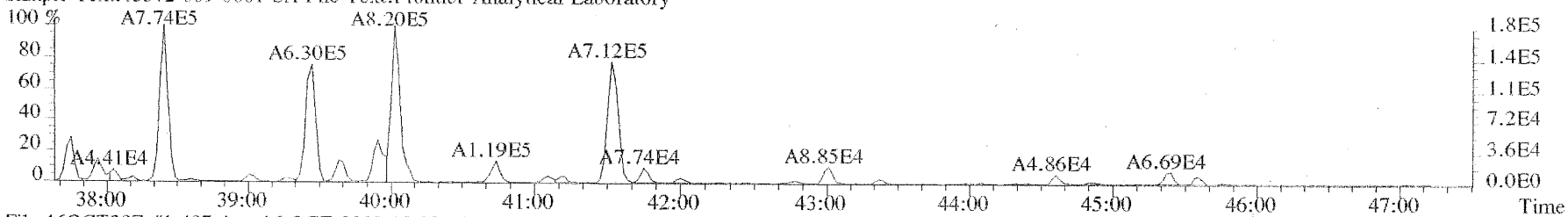
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



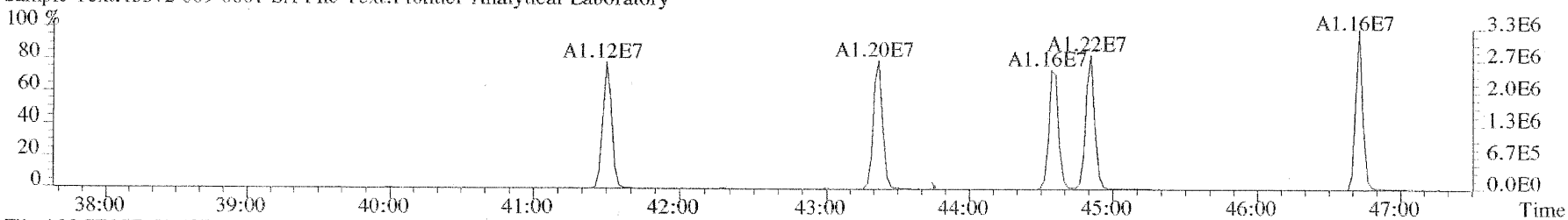
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:12 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



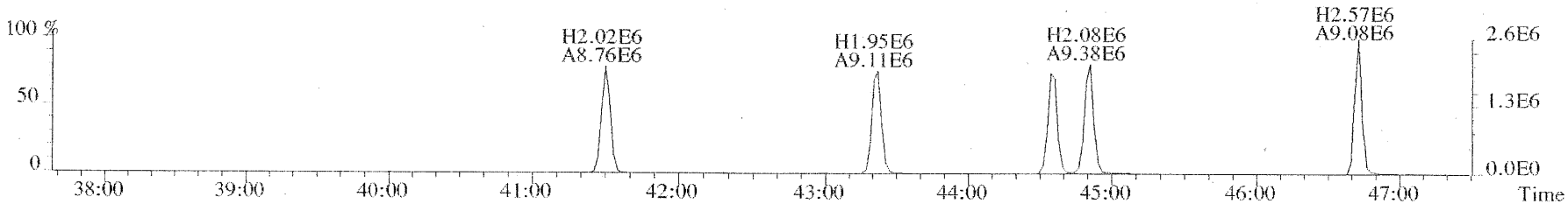
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



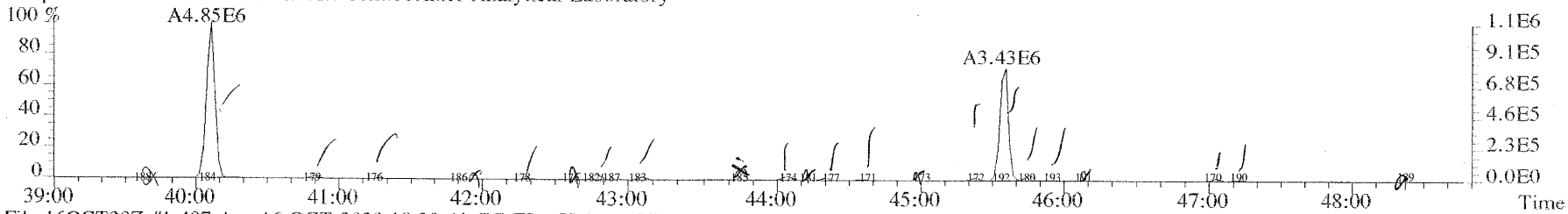
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



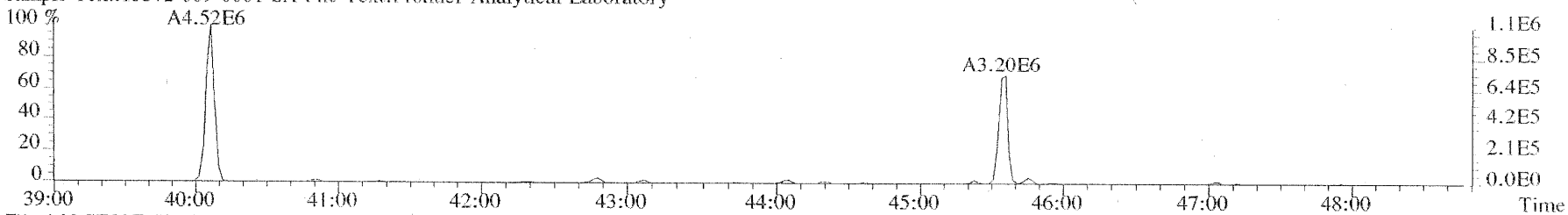
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:12 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



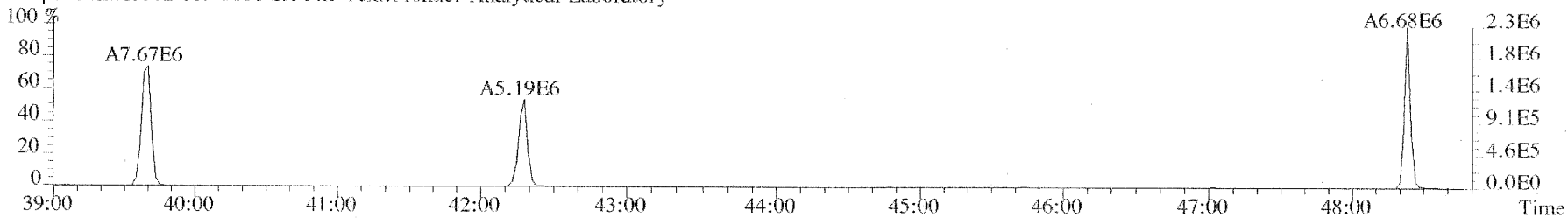
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



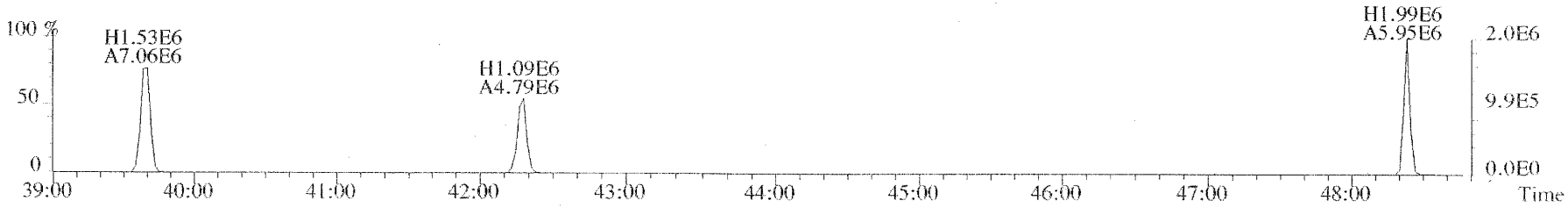
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



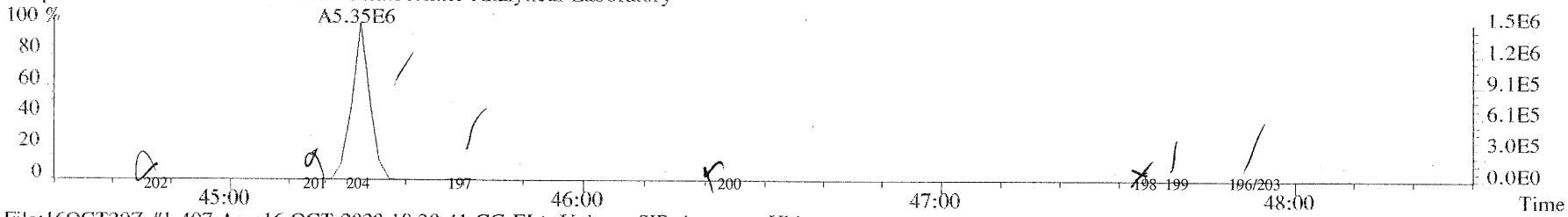
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



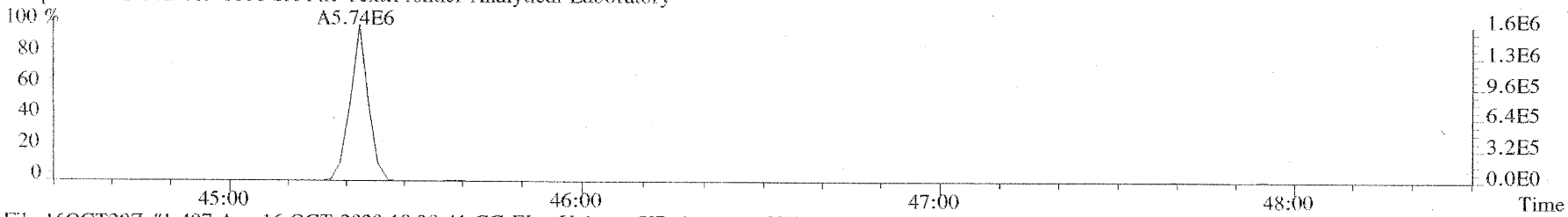
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



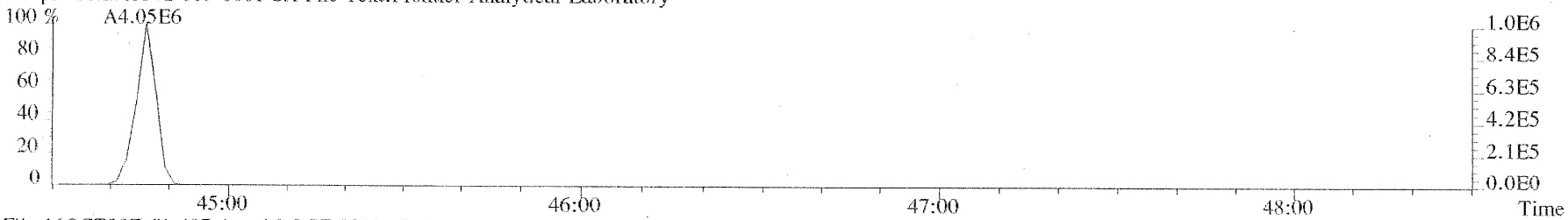
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



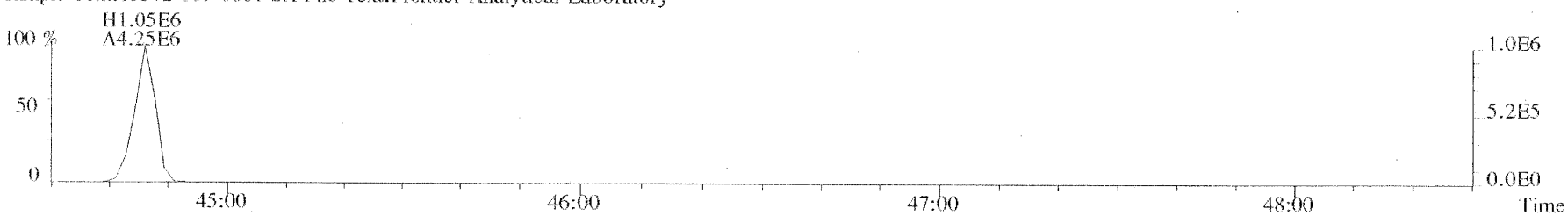
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



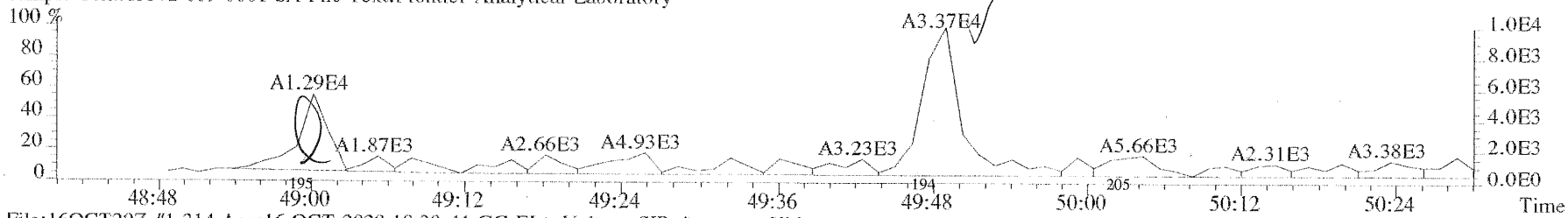
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



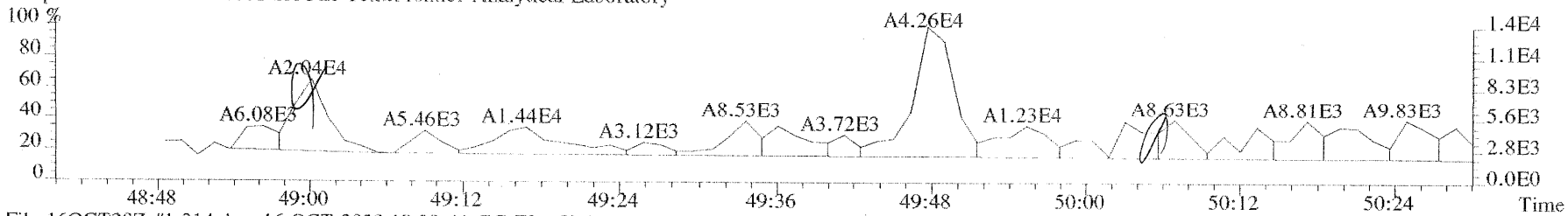
File:16OCT20Z #1-407 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



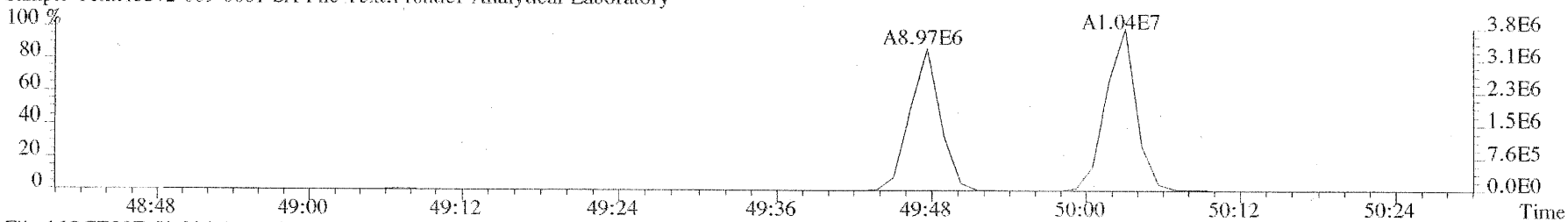
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



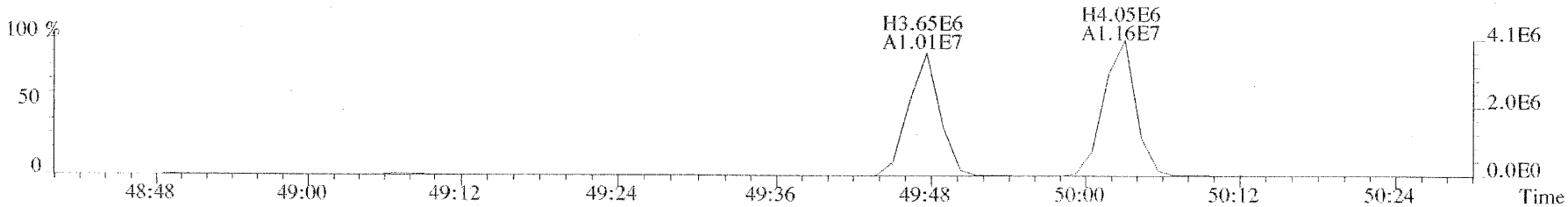
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



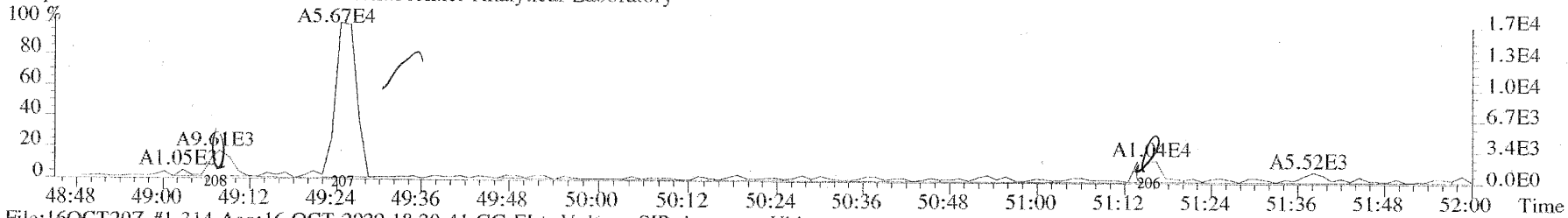
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



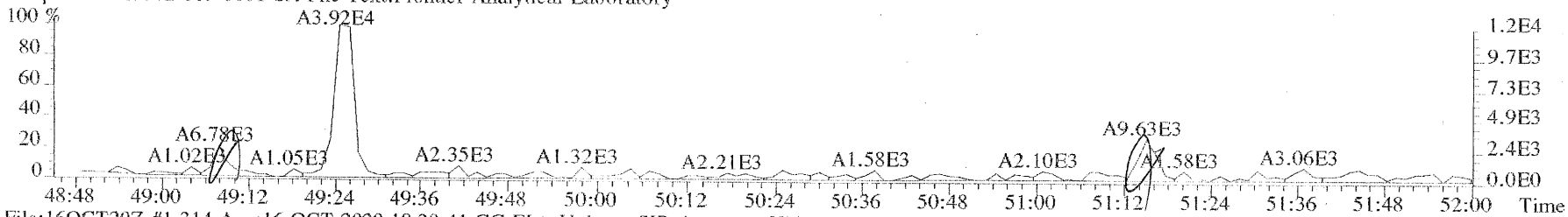
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



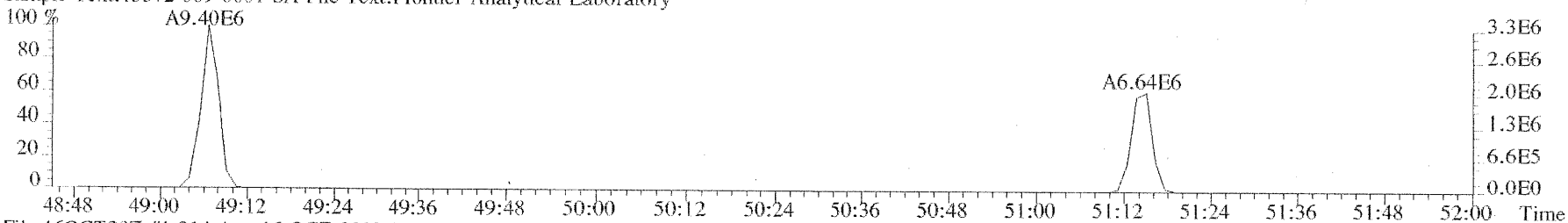
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



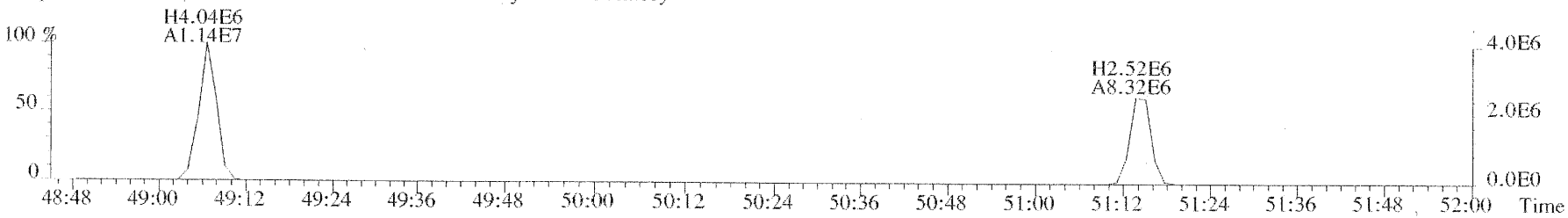
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



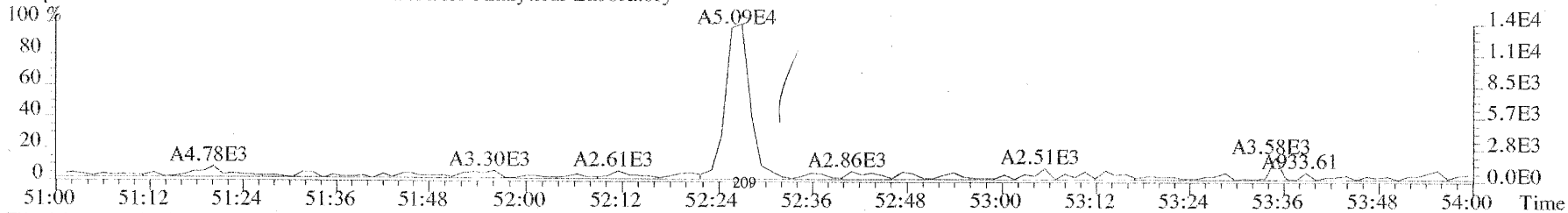
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



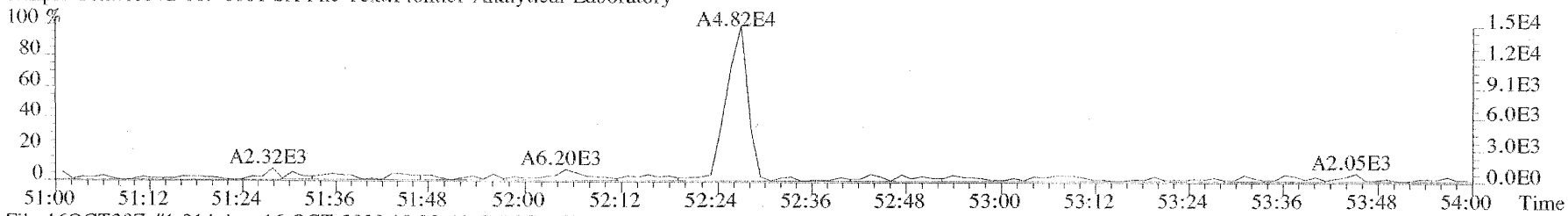
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



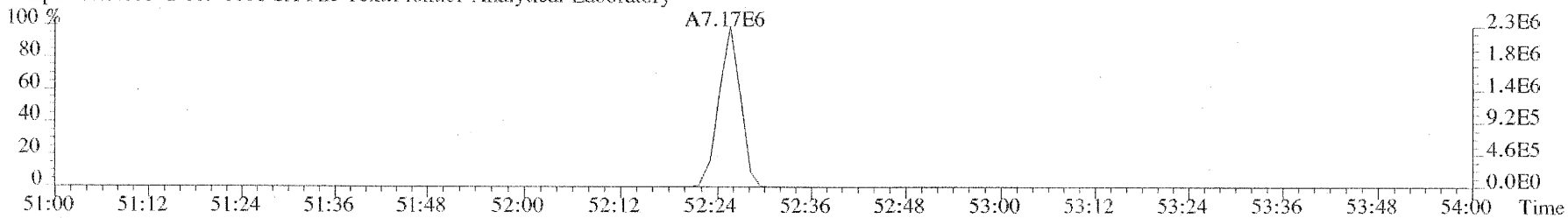
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



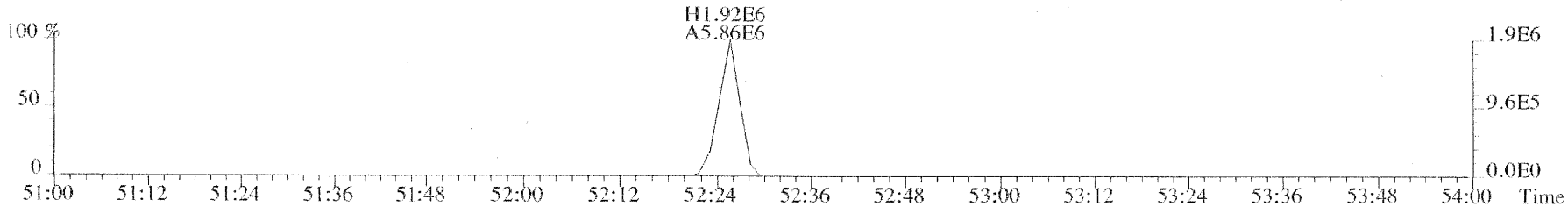
File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:12 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-009-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 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:13372-009-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 18:30:41 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:13372-009-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-010-0001-SA Filename: 16OCT20Z Sam:13 Acquired: 16-OCT-20 19:29:03 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CD-S010 ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.48	*		1890	1810	5.97			
13C-PCB-1	2.95e+07	3.31	y	14:31	0.70	8990					89.9	8.10e+06	2.40e+06
PCB-2	*	*	n	NotFnd	1.48	*		1890	1810	6.40			
PCB-3	*	*	n	NotFnd	1.47	*		1890	1810	6.87			
13C-PCB-3	2.85e+07	3.33	y	16:56	0.68	8890					88.9	7.05e+06	2.12e+06
PCB-4	3.75e+05	1.73	y	18:11	1.02	138		-	-	*			
PCB-10	*	*	n	NotFnd	1.54	*		806	2000	4.68			
13C-PCB-4	2.66e+07	1.61	y	18:10	0.67	8470					84.7	5.03e+06	3.10e+06
PCB-9	1.04e+05	1.57	y	19:52	1.40	21.0		-	-	*			
PCB-7	5.28e+04	1.42	y	19:55	1.47	10.2	J	-	-	*			
PCB-6	3.92e+05	1.47	y	20:29	1.39	79.7		-	-	*			
PCB-8	1.65e+06	1.39	y	20:52	1.40	332		-	-	*			
PCB-5	*	*	n	NotFnd	1.44	*		806	2000	5.01			
PCB-14	4.19e+06	1.46	y	21:55	1.39	850		-	-	*			
PCB-11	2.78e+05	1.43	y	23:02	1.30	60.3		-	-	*			
PCB-13	5.07e+04	1.55	y	23:22	1.35	10.6	J	-	-	*			
PCB-12	5.01e+04	1.52	y	23:24	1.31	10.8	J	-	-	*			
PCB-15	4.67e+05	1.39	y	23:42	1.23	85.7		-	-	*			
13C-PCB-15	4.43e+07	1.65	y	23:41	0.99	9490					94.9	6.92e+06	4.18e+06
PCB-19	3.23e+05	1.10	y	22:04	1.37	169		-	-	*			
PCB-30	*	*	n	NotFnd	2.00	*		2010	396	8.12			
PCB-18	2.24e+06	1.10	y	23:36	1.42	1140		-	-	*			
PCB-17	9.70e+05	1.09	y	23:47	1.52	459		-	-	*			
PCB-27	1.51e+05	1.17	y	24:17	1.97	55.2		-	-	*			
PCB-24	1.78e+05	1.16	y	24:18	1.97	64.9		-	-	*			
PCB-16	7.96e+05	1.15	y	24:47	1.70	338		-	-	*			
PCB-32	9.53e+05	1.09	y	24:49	1.77	387		-	-	*			
13C-PCB-19	1.39e+07	1.15	y	22:03	0.37	7970					79.7	2.00e+06	1.71e+06
13C-PCB-9	4.70e+07	1.66	y	19:50	-	77.2							
PCB-34	*	*	n	NotFnd	1.20	*		1180	1400	7.53			
PCB-23	*	*	n	NotFnd	1.16	*		1180	1400	7.79			
PCB-29	4.80e+04	1.18	y	25:51	1.21	11.4	J	-	-	*			
PCB-26	8.51e+05	1.16	y	26:04	1.18	207		-	-	*			
PCB-25	4.58e+05	1.10	y	26:14	1.14	116		-	-	*			
PCB-31	3.53e+06	1.06	y	26:33	1.16	874		-	-	*			
PCB-28	3.73e+06	1.08	y	26:39	1.44	741		-	-	*			
PCB-20	2.37e+06	1.08	y	27:16	1.18	574		-	-	*		Co-elute PCB 21/33	
PCB-21	2.37e+06	1.08	y	27:16	1.18	574		-	-	*		Co-elute PCB 20/33	
PCB-33	2.37e+06	1.08	y	27:16	1.18	574		-	-	*		Co-elute PCB 20/21	
PCB-22	1.30e+06	1.04	y	27:40	1.29	288		-	-	*			
PCB-36	3.96e+06	1.11	y	28:14	1.20	943		-	-	*			
PCB-39	*	*	n	NotFnd	1.24	*		1180	1400	7.28			
PCB-38	*	*	n	NotFnd	1.23	*		1180	1400	7.35			
PCB-35	*	*	n	NotFnd	1.16	*		1180	1400	7.76			
PCB-37	5.85e+05	1.10	y	30:21	1.21	139		-	-	*			
13C-PCB-37	3.49e+07	1.07	y	30:18	1.83	9780					97.8	3.64e+06	3.49e+06

PCB-54	*	*	n	NotFnd	1.41	*		1180	1340	7.58			
PCB-50	3.09e+04	0.86	y	26:41	1.12	12.4	J	-	-	*			
PCB-53	5.14e+05	0.75	y	27:19	1.11	209		-	-	*			
PCB-51	1.96e+05	0.79	y	27:38	1.15	76.0		-	-	*			
PCB-45	4.64e+05	0.76	y	28:02	0.97	214		-	-	*			
PCB-46	1.79e+05	0.73	y	28:29	0.94	85.8		-	-	*			
PCB-52	2.49e+06	0.80	y	28:56	1.15	969		-	-	*	Co-elute PCB 69		
PCB-69	2.49e+06	0.80	y	28:56	1.15	969		-	-	*	Co-elute PCB 52		
PCB-73	6.89e+04	0.87	y	29:02	1.52	20.4		-	-	*			
PCB-43	1.71e+06	0.76	y	29:12	1.06	723		-	-	*	Co-elute PCB 49		
PCB-49	1.71e+06	0.76	y	29:12	1.06	723		-	-	*	Co-elute PCB 43		
PCB-47	5.88e+05	0.75	y	29:25	1.13	233		-	-	*			
PCB-48	5.18e+05	0.83	y	29:31	1.36	171		-	-	*	Co-elute PCB 75		
PCB-75	5.18e+05	0.83	y	29:31	1.36	171		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.45	*		1180	1340	7.36			
PCB-62	*	*	n	NotFnd	1.28	*		1180	1340	8.32			
PCB-44	1.47e+06	0.80	y	30:09	0.92	716		-	-	*			
PCB-42	7.85e+05	0.73	y	30:23	1.20	295		-	-	*	Co-elute PCB 59		
PCB-59	7.85e+05	0.73	y	30:23	1.20	295		-	-	*	Co-elute PCB 42		
PCB-72	1.80e+06	0.75	y	30:56	1.36	595		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.80e+06	0.75	y	30:56	1.36	595		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.80e+06	0.75	y	30:56	1.36	595		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.80e+06	0.75	y	30:56	1.36	595		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.62e+04	0.66	y	31:09	1.55	19.1	J	-	-	*			
PCB-40	2.67e+05	0.78	y	31:23	0.87	138		-	-	*			
PCB-57	*	*	n	NotFnd	1.46	*		1180	1340	7.31			
PCB-67	8.29e+04	0.74	y	32:01	1.46	25.4		-	-	*			
PCB-58	*	*	n	NotFnd	1.45	*		1180	1340	7.34			
PCB-63	8.87e+04	0.83	y	32:16	1.49	26.7		-	-	*			
PCB-74	8.19e+05	0.77	y	32:33	1.48	248		-	-	*			
PCB-61	1.72e+06	0.76	y	32:45	1.34	579		-	-	*	Co-elute PCB 70		
PCB-70	1.72e+06	0.76	y	32:45	1.34	579		-	-	*	Co-elute PCB 61		
PCB-76	1.68e+06	0.79	y	32:56	1.53	490		-	-	*	Co-elute PCB 66		
PCB-66	1.68e+06	0.79	y	32:56	1.53	490		-	-	*	Co-elute PCB 76		
PCB-80	4.94e+04	0.74	y	33:08	1.74	12.7	J	-	-	*			
PCB-55	1.95e+05	0.78	y	33:28	1.52	57.9		-	-	*			
13C-PCB-54	2.23e+07	0.82	y	25:34	1.13	10200					102	2.65e+06	3.26e+06
PCB-104	4.81e+06	1.60	y	30:02	1.26	2860		-	-	*			
PCB-96	2.87e+04	1.66	y	31:14	1.23	17.5	J	-	-	*			
PCB-103	3.54e+04	1.51	y	31:43	1.05	25.3		-	-	*			
PCB-100	3.32e+04	1.62	y	32:03	1.05	23.6		-	-	*			
PCB-94	*	*	n	NotFnd	0.89	*		320	412	6.48			
PCB-98	*	*	n	NotFnd	0.90	*		320	412	6.41	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.90	*		320	412	6.41	Co-elute PCB 98		
PCB-95	1.10e+06	1.54	y	33:01	0.95	868		-	-	*			
PCB-93	*	*	n	NotFnd	0.94	*		320	412	6.10			
PCB-88	*	*	n	NotFnd	0.98	*		320	412	5.87	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.98	*		320	412	5.87	Co-elute PCB 88		
PCB-121	7.39e+06	1.57	y	33:28	1.25	4430		-	-	*			
13C-PCB-104	1.33e+07	1.63	y	30:00	0.74	9300					93.0	1.99e+06	1.20e+06
13C-PCB-28	3.68e+07	1.09	y	26:38	2.17	8710					87.1	4.36e+06	4.14e+06
13C-PCB-52	1.95e+07	0.81	y	28:55	-	65.9							

PCB-56	1.36e+06	0.85	y	33:55	1.22	375		-	-	*		Co-elute PCB 60	
PCB-60	1.36e+06	0.85	y	33:55	1.22	375		-	-	*		Co-elute PCB 56	
PCB-79	4.48e+04	0.76	y	34:56	1.29	11.7	J	-	-	*			
PCB-78	1.17e+07	0.81	y	35:35	1.26	3100		-	-	*			
PCB-81	6.45e+04	0.84	y	36:07	1.34	16.6	J	-	-	*			
13C-PCB-81	2.90e+07	0.79	y	36:04	1.76	9680					96.8	2.80e+06	3.59e+06
PCB-77	1.54e+05	0.78	y	36:40	1.18	42.7		-	-	*			
13C-PCB-77	3.05e+07	0.81	y	36:38	1.84	9790					97.9	2.96e+06	3.63e+06
PCB-155	9.53e+06	1.29	y	34:11	1.16	5450		-	-	*			
PCB-150	*	*	n	NotFnd	1.13	*		488	488	6.17			
PCB-152	*	*	n	NotFnd	1.11	*		488	488	6.24			
PCB-145	*	*	n	NotFnd	1.12	*		488	488	6.19			
PCB-136	2.18e+05	1.41	y	36:33	1.07	135		-	-	*			
PCB-148	*	*	n	NotFnd	0.87	*		488	488	7.98			
PCB-154	5.11e+04	1.19	y	37:06	0.94	35.9		-	-	*			
13C-PCB-155	1.51e+07	1.35	y	34:09	0.98	9050					90.5	2.03e+06	1.49e+06
13C-PCB-111	1.89e+07	1.62	y	36:14	1.26	8860					88.6	2.56e+06	1.57e+06
13C-PCB-101	1.70e+07	1.64	y	34:36	-	63.5							
PCB-84	8.24e+05	1.58	y	34:16	0.65	439		-	-	*		Co-elute PCB 92	
PCB-92	8.24e+05	1.58	y	34:16	0.65	439		-	-	*		Co-elute PCB 84	
PCB-89	2.44e+04	1.44	y	34:26	0.64	13.0	J	-	-	*			
PCB-90	1.73e+06	1.52	y	34:37	0.71	835		-	-	*		Co-elute PCB 101	
PCB-101	1.73e+06	1.52	y	34:37	0.71	835		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.80	*		720	640	6.90			
PCB-99	7.95e+05	1.68	y	34:56	0.82	335		-	-	*			
PCB-119	6.67e+04	1.44	y	35:23	0.93	24.6		-	-	*			
PCB-83	7.91e+04	1.57	y	35:33	0.73	37.1		-	-	*		Co-elute PCB 112	
PCB-112	7.91e+04	1.57	y	35:33	0.73	37.1		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.87	*		720	640	6.29			
PCB-97	4.29e+05	1.53	y	35:52	0.63	234		-	-	*			
PCB-86	*	*	n	NotFnd	0.61	*		720	640	8.97			
PCB-125	6.20e+05	1.55	y	36:07	0.84	252		-	-	*		Co-elute PCB 87/117	
PCB-87	6.20e+05	1.55	y	36:07	0.84	252		-	-	*		Co-elute PCB 125/117	
PCB-117	6.20e+05	1.55	y	36:07	0.84	252		-	-	*		Co-elute PCB 125/87	
PCB-111	3.81e+04	1.38	y	36:14	0.92	14.3	J	-	-	*		Co-elute PCB 115	
PCB-115	3.81e+04	1.38	y	36:14	0.92	14.3	J	-	-	*		Co-elute PCB 111	
PCB-85	2.28e+05	1.52	y	36:22	0.78	100		-	-	*		Co-elute PCB 116	
PCB-116	2.28e+05	1.52	y	36:22	0.78	100		-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	0.98	*		720	640	5.63			
PCB-110	1.84e+06	1.56	y	36:45	0.91	695		-	-	*			
PCB-82	1.50e+05	1.48	y	37:20	0.57	90.9		-	-	*			
PCB-124	8.02e+04	1.39	y	37:59	1.17	23.6		-	-	*			
PCB-108	1.13e+05	1.55	y	38:08	1.17	33.3		-	-	*		Co-elute PCB 107	
PCB-107	1.13e+05	1.55	y	38:08	1.17	33.3		-	-	*		Co-elute PCB 108	
PCB-123	3.49e+04	1.75	y	38:17	1.13	11.3	J	-	-	*			
13C-PCB-123	2.75e+07	1.60	y	38:16	1.42	10000					100	3.62e+06	2.21e+06
PCB-118	1.38e+06	1.57	y	38:27	1.15	389		-	-	*		Co-elute PCB 106	
PCB-106	1.38e+06	1.57	y	38:27	1.15	389		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.09e+07	1.60	y	38:27	1.57	10200					102	3.98e+06	2.48e+06
PCB-114	*	*	n	NotFnd	1.20	*		912	1070	6.70			
13C-PCB-114	2.89e+07	1.62	y	39:04	1.55	9640					96.4	3.80e+06	2.35e+06
PCB-122	*	*	n	NotFnd	1.21	*		912	1070	6.65			
PCB-105	4.77e+05	1.58	y	39:55	1.21	136		-	-	*			
13C-PCB-105	2.89e+07	1.59	y	39:53	1.52	9840					98.4	3.90e+06	2.41e+06

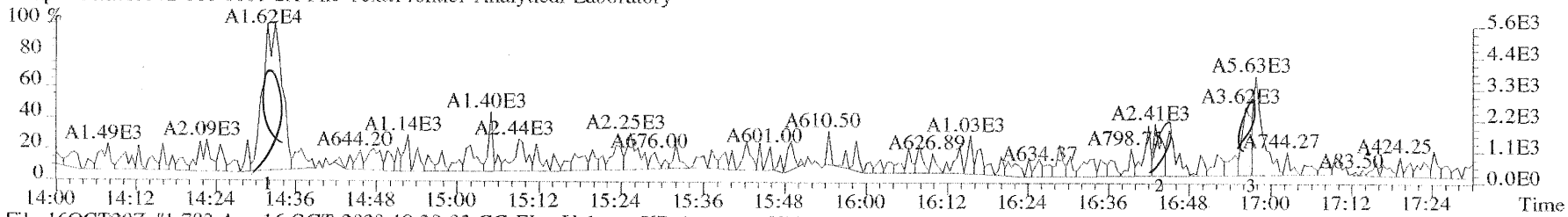
PCB-127	*	*	n	NotFnd	1.13	*		912	1070	7.11				
PCB-126	*	*	n	NotFnd	1.17	*		912	1070	6.79				
13C-PCB-126	2.78e+07	1.67	y	42:00	1.41	10200					102	3.84e+06	2.36e+06	
PCB-151	4.51e+05	1.22	y	37:45	1.04	206		-	-	*				
PCB-135	2.25e+05	1.39	y	37:56	1.03	105		-	-	*				
PCB-144	8.74e+04	1.15	y	38:03	1.08	38.7		-	-	*				
PCB-147	3.85e+04	1.19	y	38:11	1.10	16.7	J	-	-	*				
PCB-139	1.45e+06	1.22	y	38:24	1.11	622		-	-	*		Co-elute PCB 149		
PCB-149	1.45e+06	1.22	y	38:24	1.11	622		-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.12	*		1010	864	8.50				
PCB-143	9.48e+04	1.26	y	39:00	0.95	47.8		-	-	*		Co-elute PCB 134		
PCB-134	9.48e+04	1.26	y	39:00	0.95	47.8		-	-	*		Co-elute PCB 143		
PCB-131	4.42e+04	1.26	y	39:17	0.95	22.2		-	-	*		Co-elute PCB 133		
PCB-133	4.42e+04	1.26	y	39:17	0.95	22.2		-	-	*		Co-elute PCB 131		
PCB-142	1.73e+06	1.26	y	39:27	0.96	856		-	-	*				
PCB-165	2.52e+05	1.19	y	39:38	1.24	96.5		-	-	*		Co-elute PCB 146		
PCB-146	2.52e+05	1.19	y	39:38	1.24	96.5		-	-	*		Co-elute PCB 165		
PCB-161	4.69e+05	1.21	y	39:55	1.17	192		-	-	*		Co-elute PCB 132		
PCB-132	4.69e+05	1.21	y	39:55	1.17	192		-	-	*		Co-elute PCB 161		
PCB-153	1.58e+06	1.27	y	40:01	1.25	601		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1010	864	6.91				
PCB-141	2.19e+05	1.30	y	40:44	1.06	98.2		-	-	*				
PCB-137	7.16e+04	1.14	y	41:10	1.05	32.4		-	-	*				
PCB-130	7.16e+04	1.14	y	41:10	0.94	36.4		-	-	*				
PCB-138	1.35e+06	1.30	y	41:32	1.24	518		-	-	*		Co-elute PCB 163/164		
PCB-163	1.35e+06	1.30	y	41:32	1.24	518		-	-	*		Co-elute PCB 138/164		
PCB-164	1.35e+06	1.30	y	41:32	1.24	518		-	-	*		Co-elute PCB 138/163		
PCB-158	1.49e+05	1.09	y	41:45	1.38	51.5		-	-	*		Co-elute PCB 160		
PCB-160	1.49e+05	1.09	y	41:45	1.38	51.5		-	-	*		Co-elute PCB 158		
PCB-129	5.27e+04	1.22	y	42:00	0.90	27.8		-	-	*				
PCB-166	*	*	n	NotFnd	1.34	*		1010	864	7.10				
PCB-159	3.95e+04	1.29	y	42:44	1.39	13.6	J	-	-	*				
PCB-128	1.53e+05	1.28	y	43:01	1.16	62.7		-	-	*		Co-elute PCB 162		
PCB-162	1.53e+05	1.28	y	43:01	1.16	62.7		-	-	*		Co-elute PCB 128		
PCB-167	4.84e+04	1.27	y	43:24	1.26	17.8	J	-	-	*				
13C-PCB-167	2.17e+07	1.28	y	43:22	1.13	9870					98.7	2.79e+06	2.16e+06	
PCB-156	9.70e+04	1.10	y	44:36	1.32	35.4		-	-	*				
13C-PCB-156	2.08e+07	1.28	y	44:36	1.08	9930					99.3	2.58e+06	2.03e+06	
PCB-157	3.04e+04	1.10	y	44:52	1.27	11.4	J	-	-	*				
13C-PCB-157	2.11e+07	1.32	y	44:51	1.10	9910					99.1	2.69e+06	1.96e+06	
PCB-169	*	*	n	NotFnd	1.23	*		1010	864	6.75				
13C-PCB-169	2.03e+07	1.29	y	46:43	1.04	10100					101	3.21e+06	2.45e+06	

FAL ID: 13372-010-0001-SA Filename: 16OCT20Z Sam:13 Acquired: 16-OCT-20 19:29:03 ICal: DAILY209FAL4-10-16-20
Client ID: LDW-Y3-SC-ENR-CD-S010 ConCal: ST101620Z1 EndCal: ST101620Z2
Results: 13372 GC Column: DB1MS Amount: 1.000

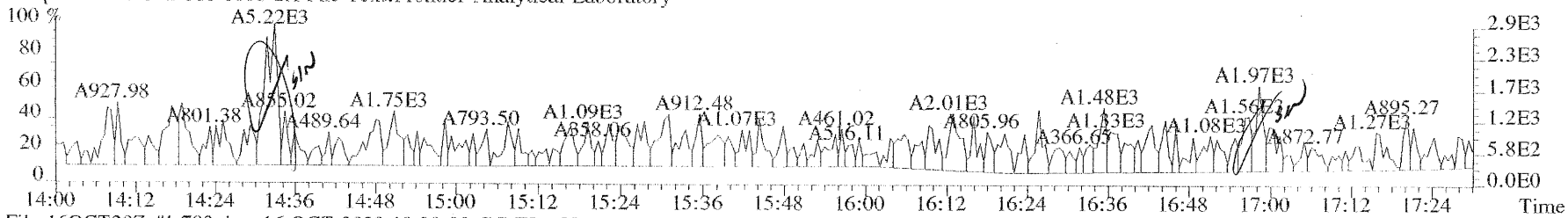
PCB-188	*	*	n	NotFnd	1.20	*		640	556	8.02			
13C-PCB-188	1.46e+07	1.09	y	39:40	0.90	8360					83.6	1.64e+06	1.47e+06
PCB-184	1.22e+07	1.06	y	40:06	1.35	6780		-	-	*			
PCB-179	1.30e+05	1.11	y	40:51	1.32	73.7		-	-	*			
PCB-176	4.50e+04	1.06	y	41:17	1.27	26.6		-	-	*			
PCB-186	*	*	n	NotFnd	1.26	*		640	556	6.98			
PCB-178	4.45e+04	1.07	y	42:18	0.91	36.4		-	-	*			
PCB-175	*	*	n	NotFnd	0.95	*		640	556	9.19			
PCB-187	2.47e+05	1.13	y	42:47	1.02	181		-	-	*		Co-elute PCB 182	
PCB-182	2.47e+05	1.13	y	42:47	1.02	181		-	-	*		Co-elute PCB 187	
PCB-183	1.14e+05	1.09	y	43:05	1.02	83.6		-	-	*			
PCB-185	*	*	n	NotFnd	0.94	*		640	556	9.34			
PCB-174	1.67e+05	1.08	y	44:05	1.00	125		-	-	*			
PCB-181	*	*	n	NotFnd	0.88	*		640	556	9.93			
PCB-177	9.23e+04	1.13	y	44:20	0.86	79.9		-	-	*			
PCB-171	5.34e+04	1.17	y	44:38	0.93	43.1		-	-	*			
PCB-173	*	*	n	NotFnd	0.83	*		640	556	10.6			
PCB-172	1.81e+05	1.03	y	45:24	0.85	159		-	-	*			
PCB-192	8.30e+06	1.09	y	45:35	1.12	5530		-	-	*			
PCB-180	2.59e+05	1.01	y	45:45	0.88	220		-	-	*			
PCB-193	*	*	n	NotFnd	1.21	*		640	556	7.26			
PCB-191	*	*	n	NotFnd	1.16	*		640	556	7.59			
PCB-170	9.21e+04	1.14	y	47:03	0.88	78.2		-	-	*			
PCB-190	3.45e+04	1.00	y	47:12	1.14	22.7		-	-	*			
PCB-189	*	*	n	NotFnd	1.20	*		640	556	6.44			
13C-PCB-189	1.22e+07	1.11	y	48:23	0.74	8520					85.2	2.01e+06	1.86e+06
PCB-202	*	*	n	NotFnd	1.12	*		388	348	8.40			
PCB-201	*	*	n	NotFnd	1.28	*		388	348	7.39			
PCB-204	1.49e+07	0.98	y	45:22	1.24	14200		-	-	*			
PCB-197	7.57e+04	0.83	y	45:39	1.29	69.4		-	-	*			
PCB-200	*	*	n	NotFnd	1.28	*		388	348	7.38			
PCB-198	*	*	n	NotFnd	0.96	*		388	348	9.80			
PCB-199	3.87e+04	0.81	y	47:40	0.93	49.4		-	-	*			
PCB-203	3.40e+04	0.85	y	47:55	0.98	40.9		-	-	*		Co-elute PCB 196	
PCB-196	3.40e+04	0.85	y	47:55	0.98	40.9		-	-	*		Co-elute PCB 203	
13C-PCB-202	8.45e+06	0.95	y	44:46	0.55	7880					78.8	9.53e+05	9.96e+05
13C-PCB-178	9.59e+06	1.14	y	42:18	0.66	7480					74.8	1.22e+06	1.03e+06
13C-PCB-138	1.94e+07	1.29	y	41:30	-	64.3							
PCB-195	2.89e+04	0.85	y	49:00	0.91	14.9	J	-	-	*			
PCB-194	6.38e+04	0.81	y	49:49	0.93	31.9		-	-	*			
PCB-205	*	*	n	NotFnd	1.14	*		1250	1250	6.70			
13C-PCB-205	2.15e+07	0.88	y	50:03	1.24	9580					95.8	3.82e+06	4.35e+06
PCB-208	*	*	n	NotFnd	1.13	*		1030	1240	7.54			
13C-PCB-208	2.05e+07	0.81	y	49:06	1.08	10500					105	2.98e+06	3.67e+06
PCB-207	1.12e+05	1.37	y	49:26	1.31	49.0		-	-	*			
PCB-206	*	*	n	NotFnd	1.17	*		1030	1240	9.85			
13C-PCB-206	1.46e+07	0.79	y	51:15	0.77	10400					104	2.18e+06	2.74e+06
PCB-209	1.05e+05	1.03	y	52:27	1.27	62.6		-	-	*			
13C-PCB-209	1.33e+07	1.23	y	52:25	0.73	9990					99.9	2.43e+06	1.98e+06
13C-PCB-194	1.81e+07	0.92	y	49:48	-	58.4							

Analyst: [illegible] Date: 10/19/20

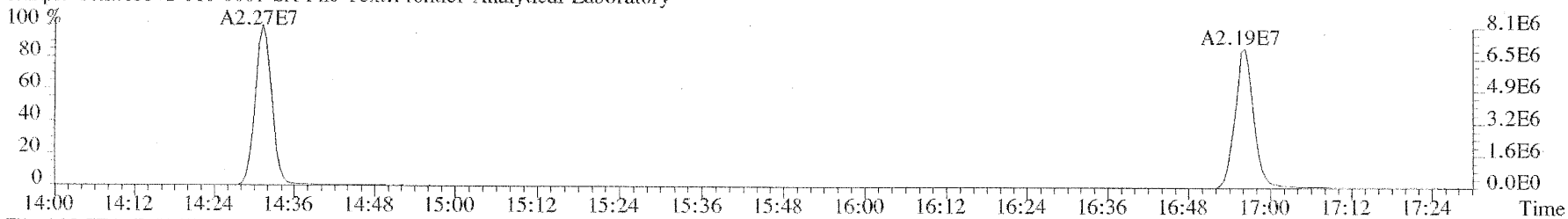
File:16OCT20Z #1-783 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



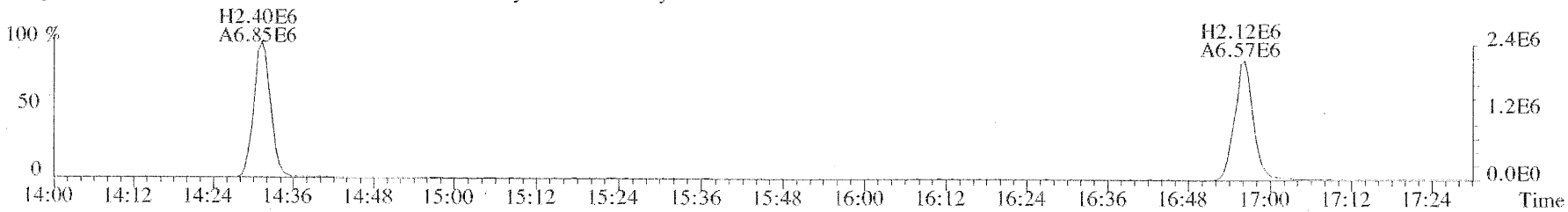
File:16OCT20Z #1-783 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



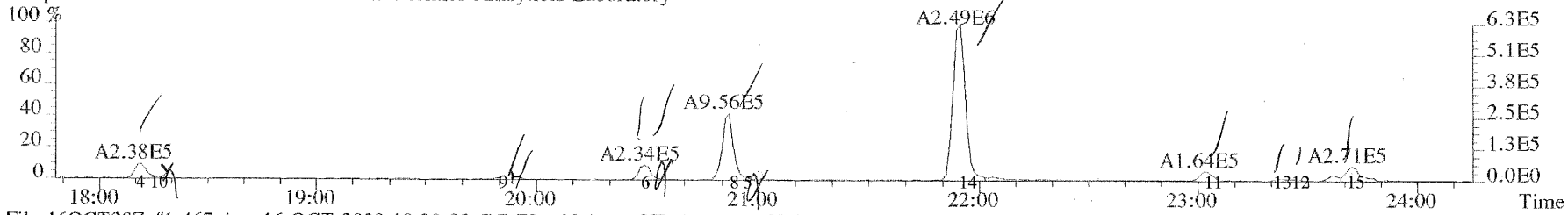
File:16OCT20Z #1-783 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



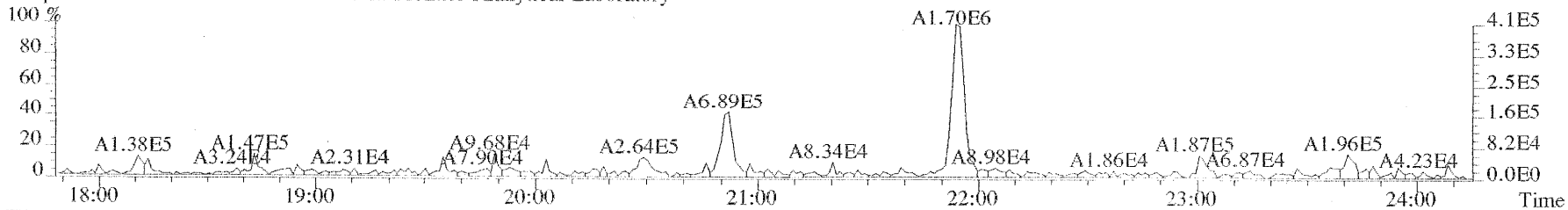
File:16OCT20Z #1-783 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



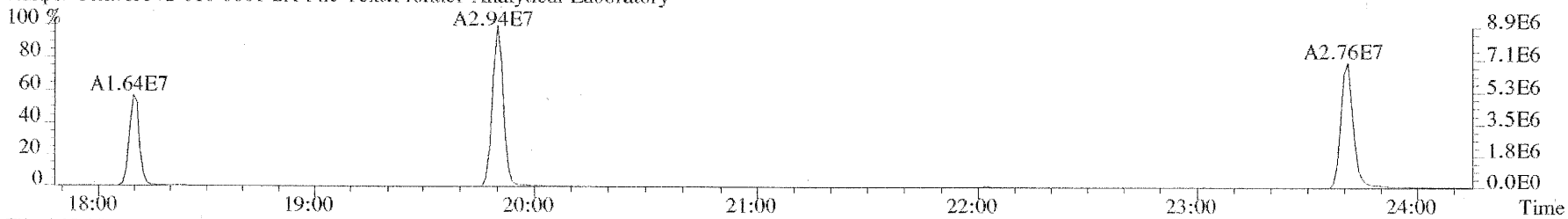
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



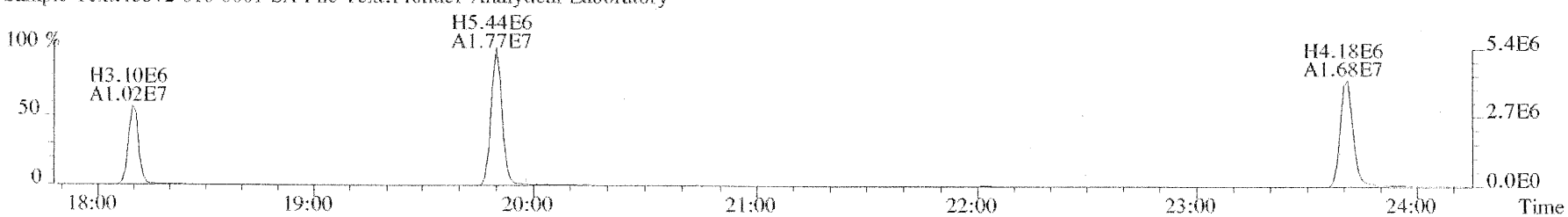
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



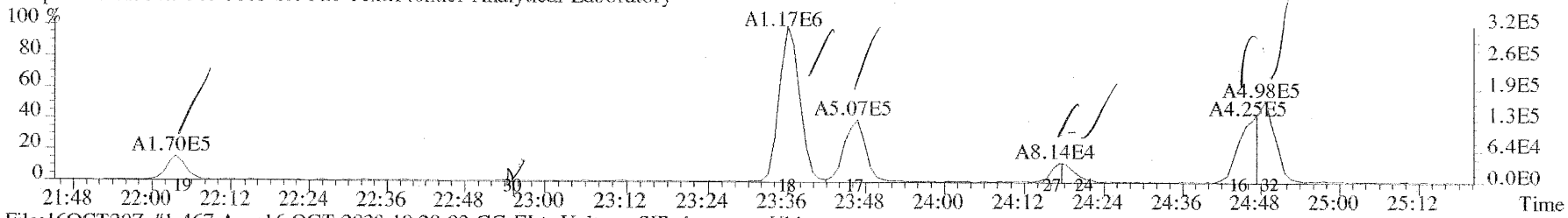
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



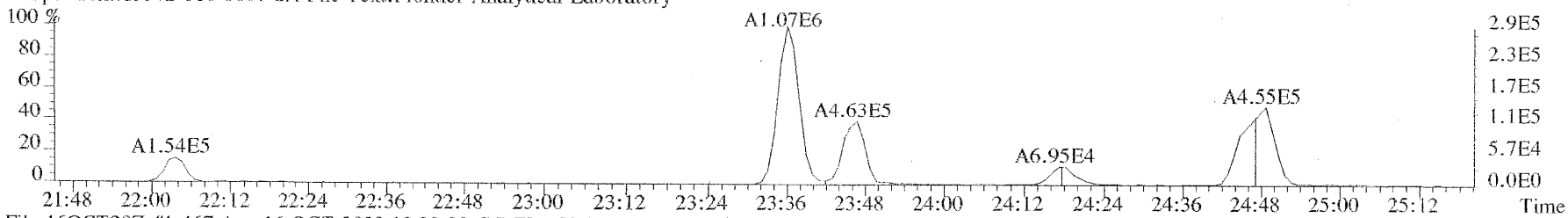
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



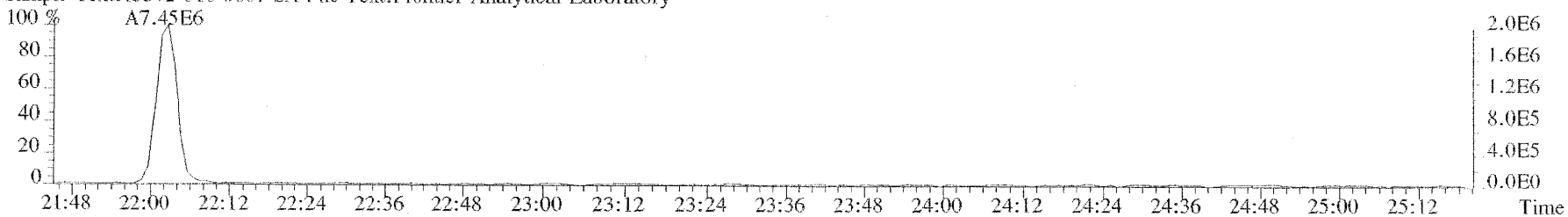
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



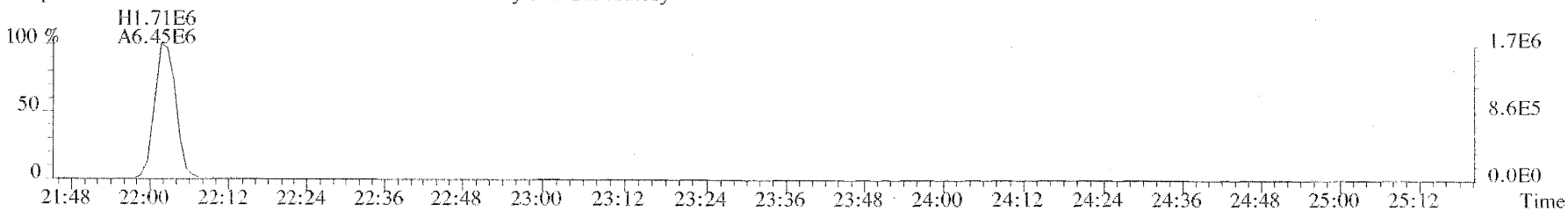
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



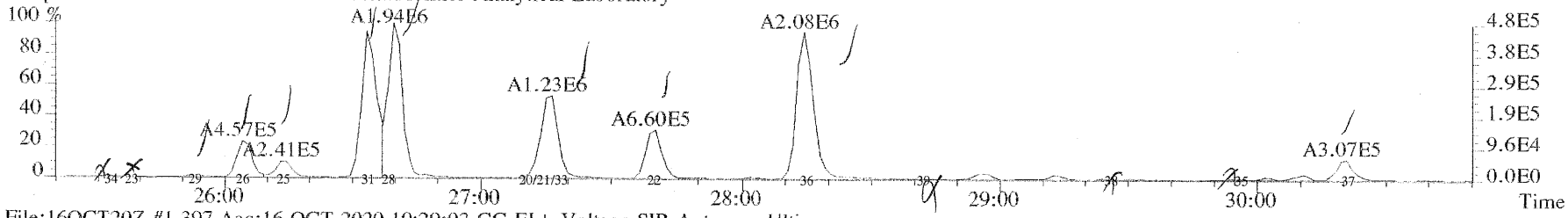
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



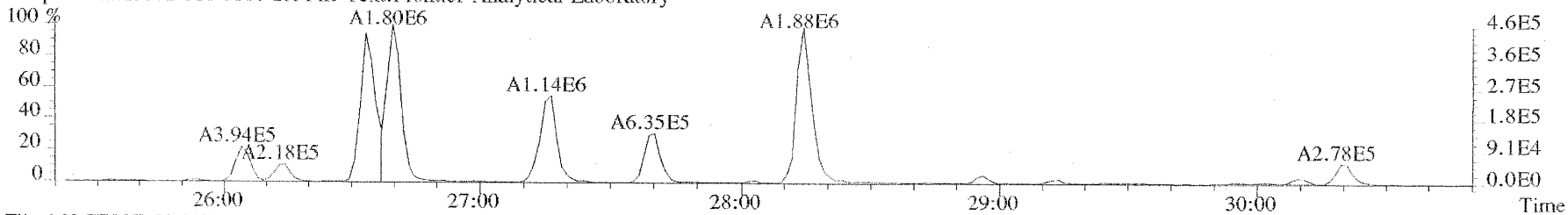
File:16OCT20Z #1-467 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



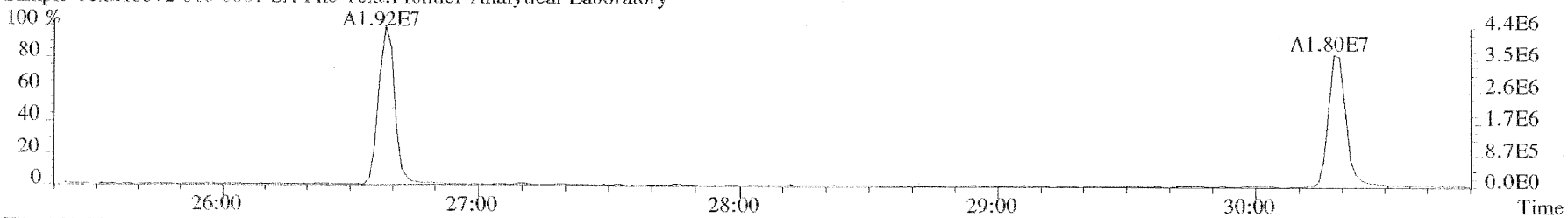
File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 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:13372-010-0001-SA File Text:Frontier Analytical Laboratory

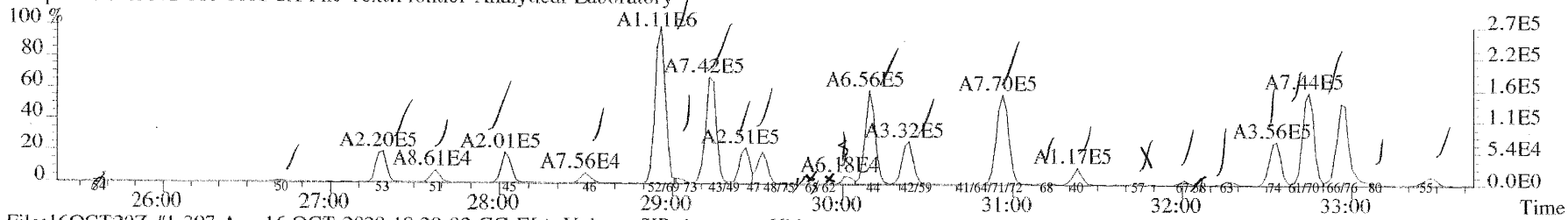


File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory

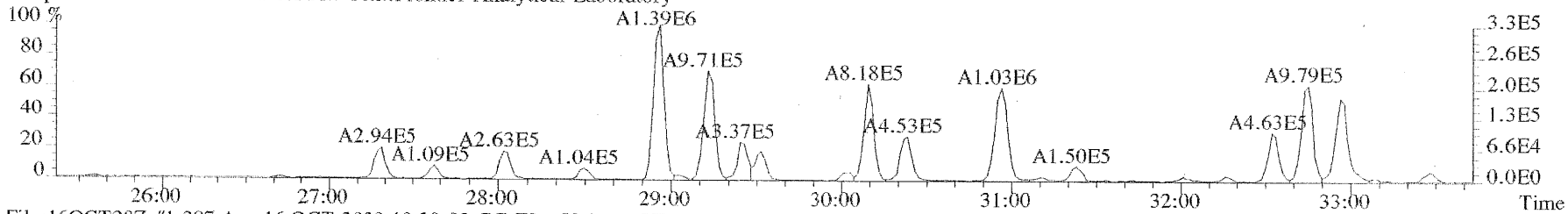


File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory

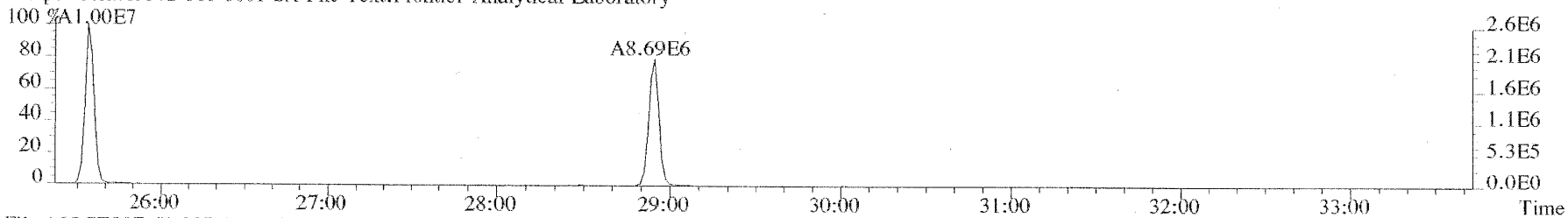
File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



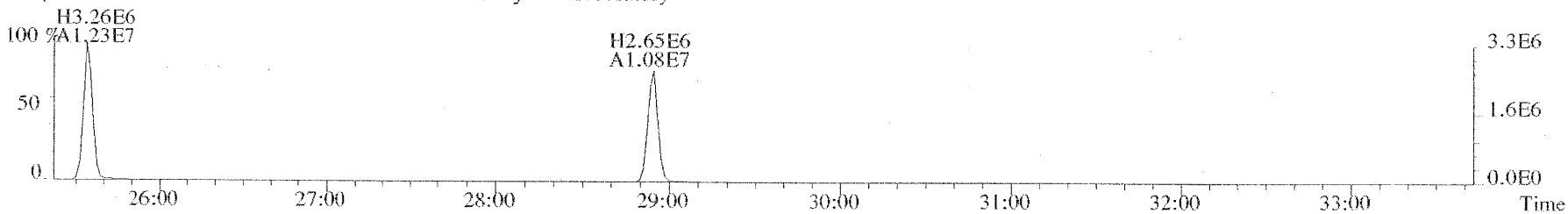
File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



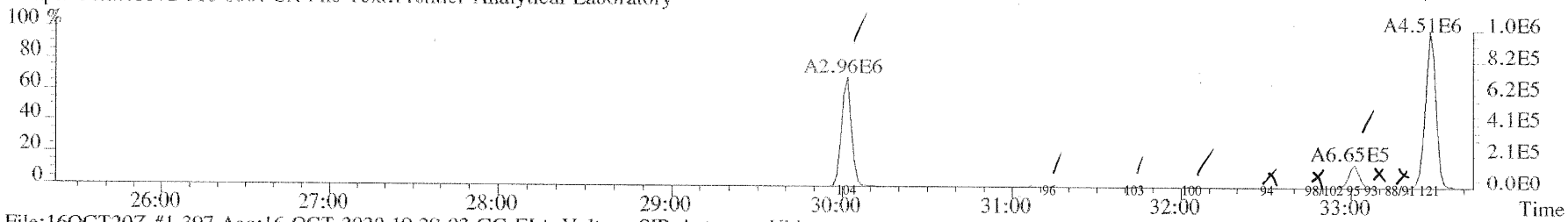
File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



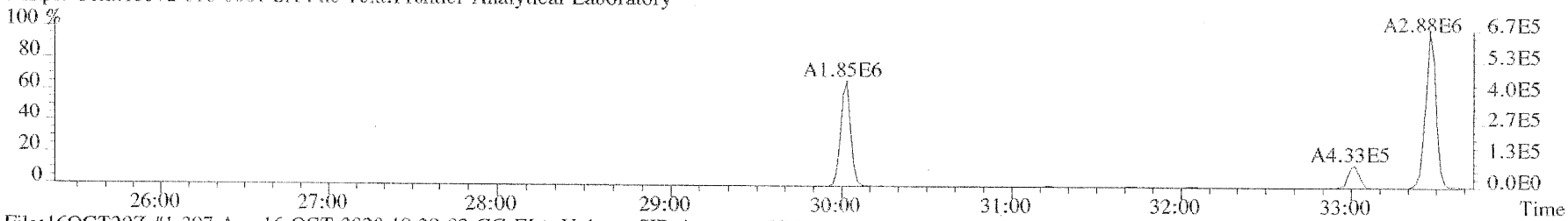
File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-397 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



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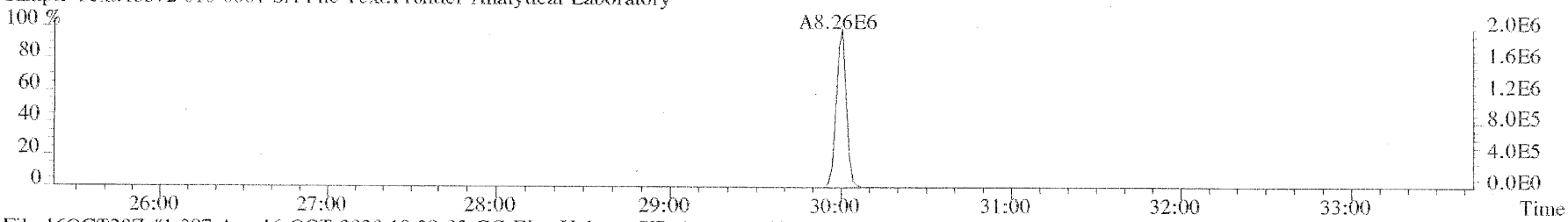
337.9207 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



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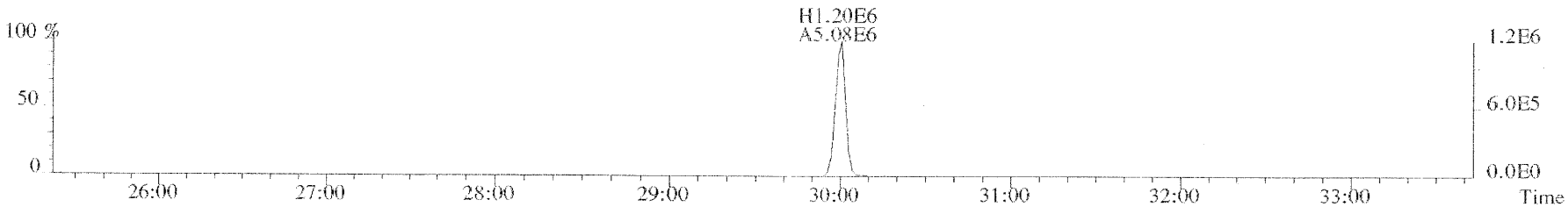
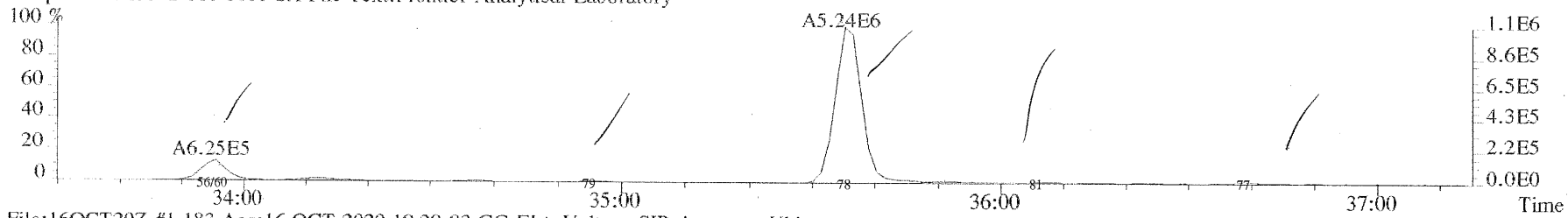
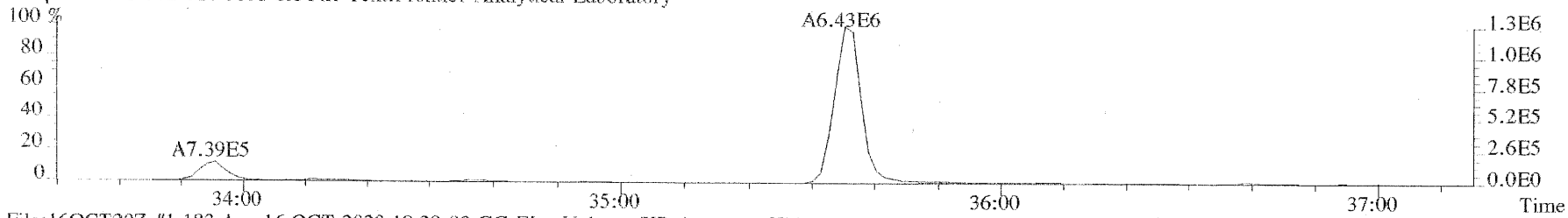
339.9178 S:13 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



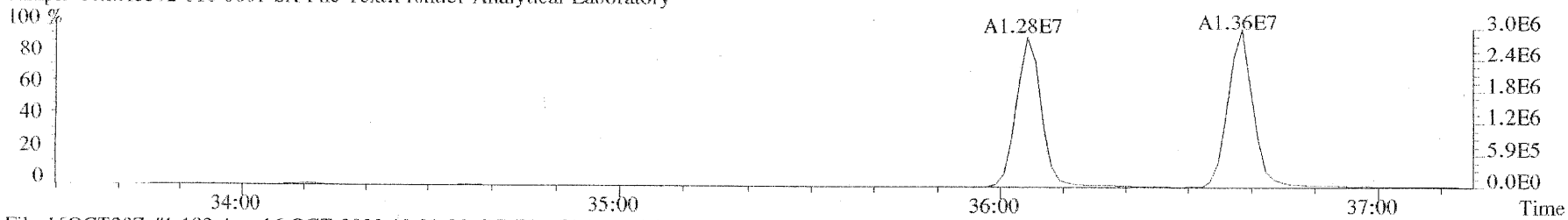
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



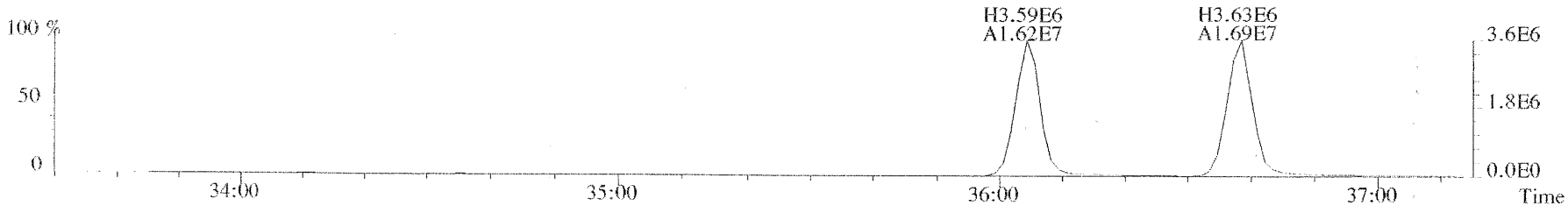
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



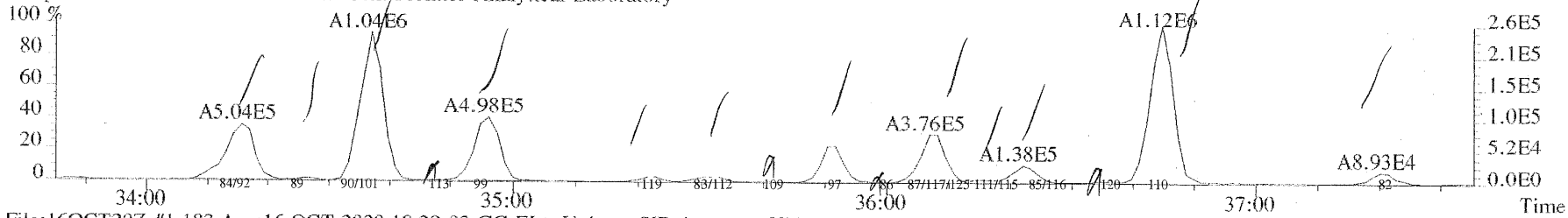
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



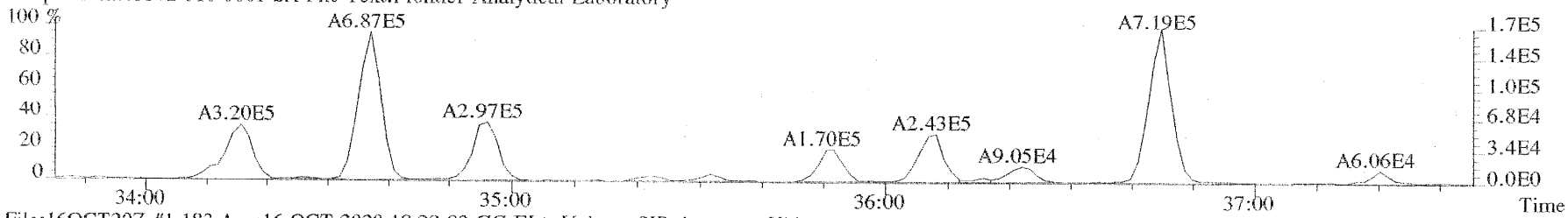
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



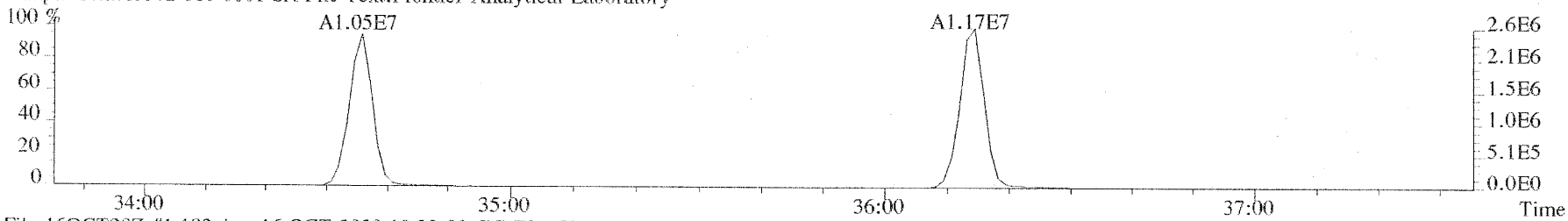
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



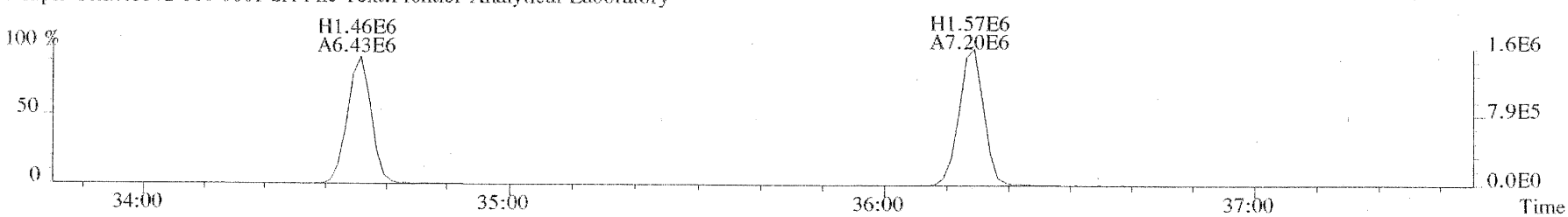
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



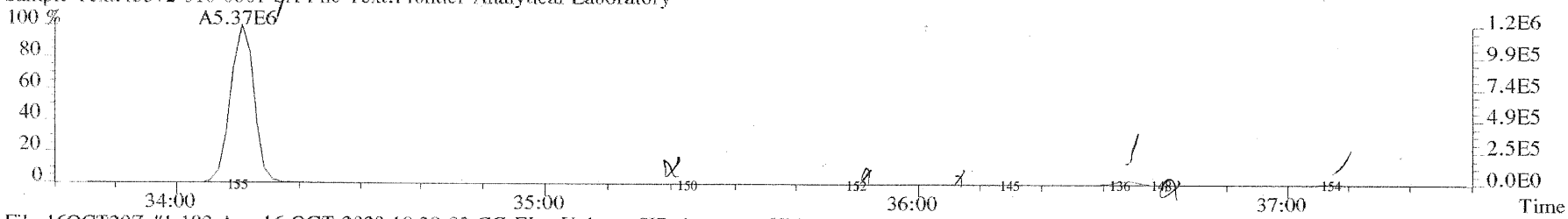
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



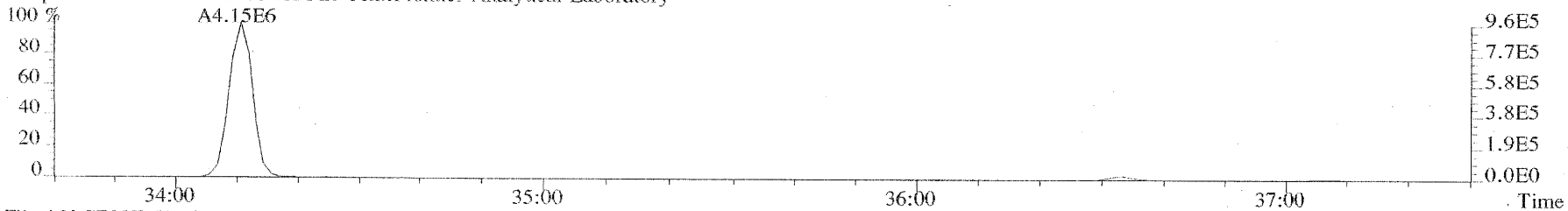
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



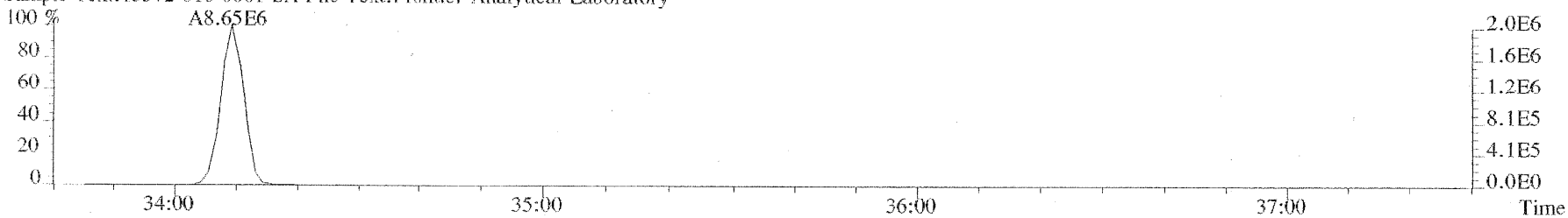
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



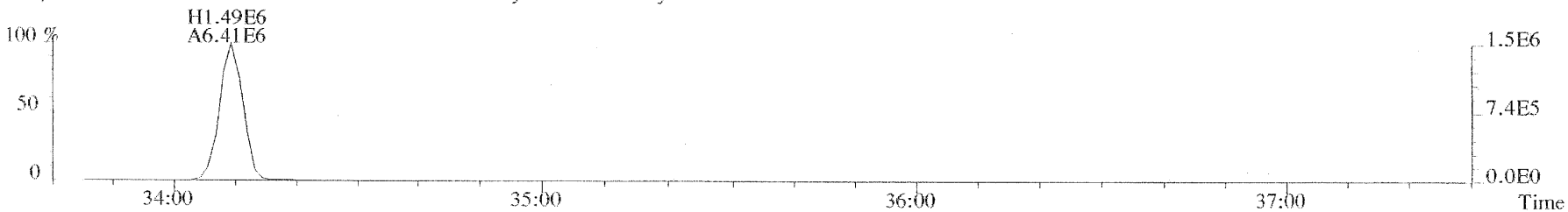
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



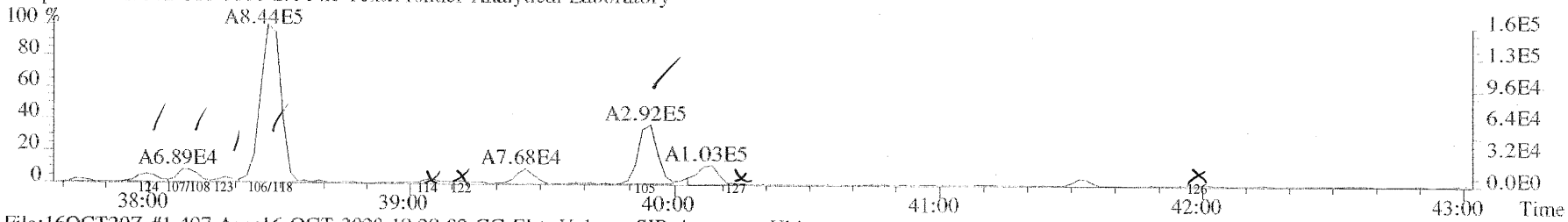
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



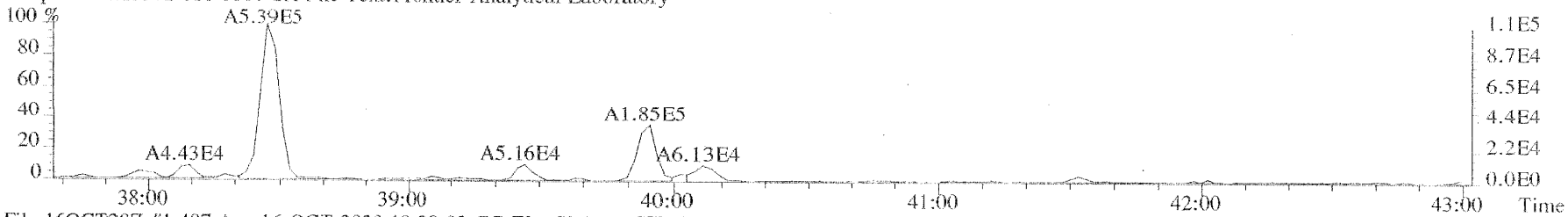
File:16OCT20Z #1-183 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



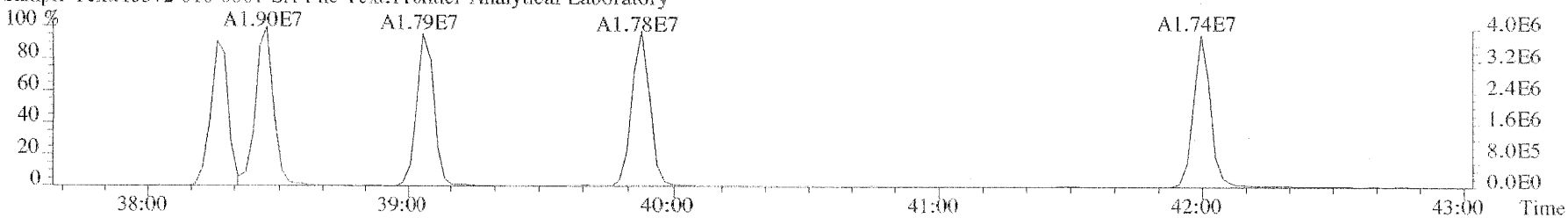
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



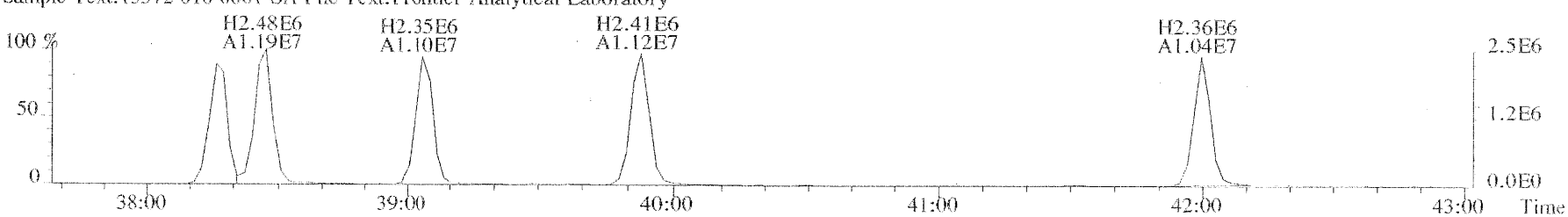
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



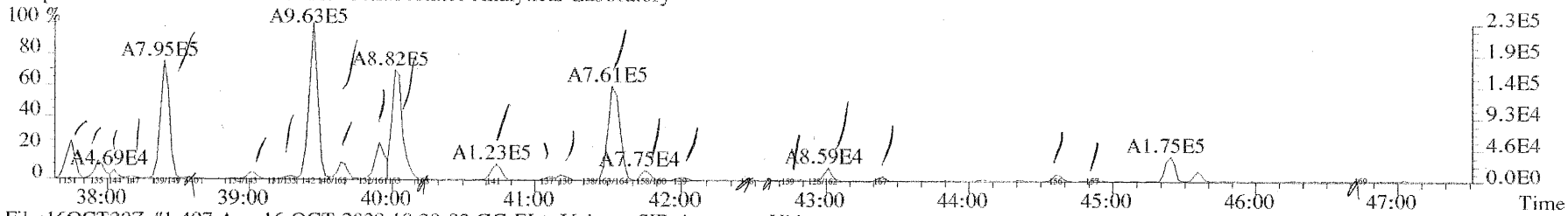
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



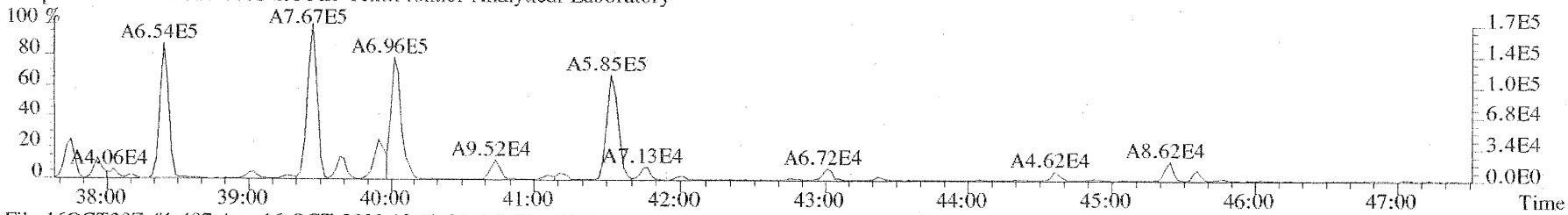
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



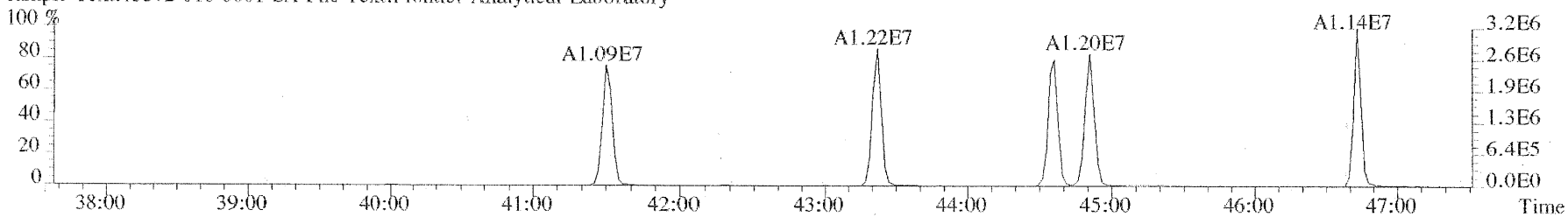
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



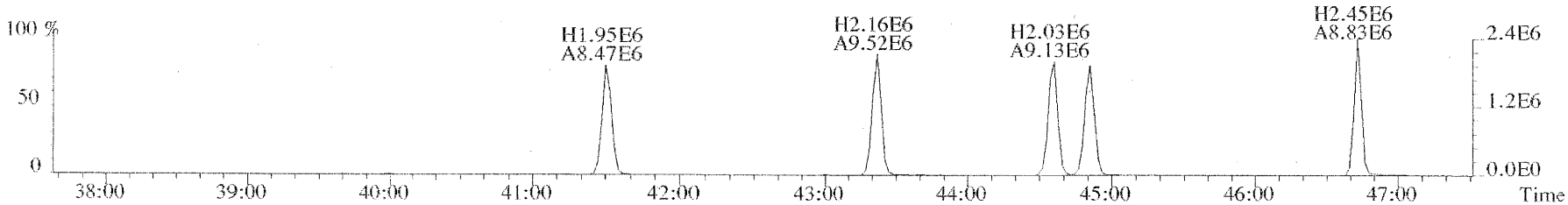
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



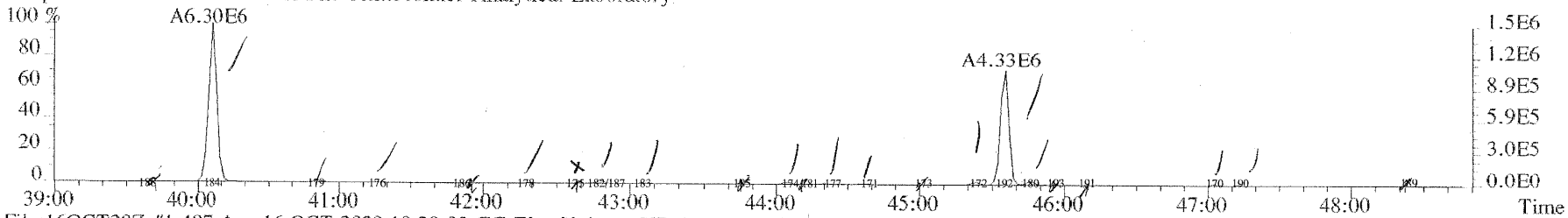
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



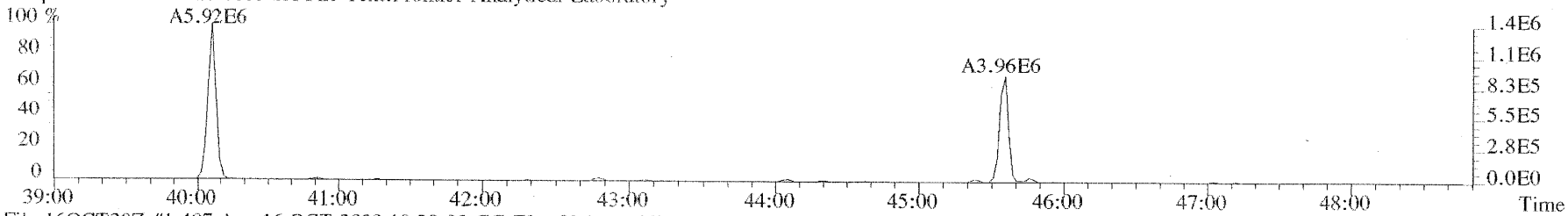
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



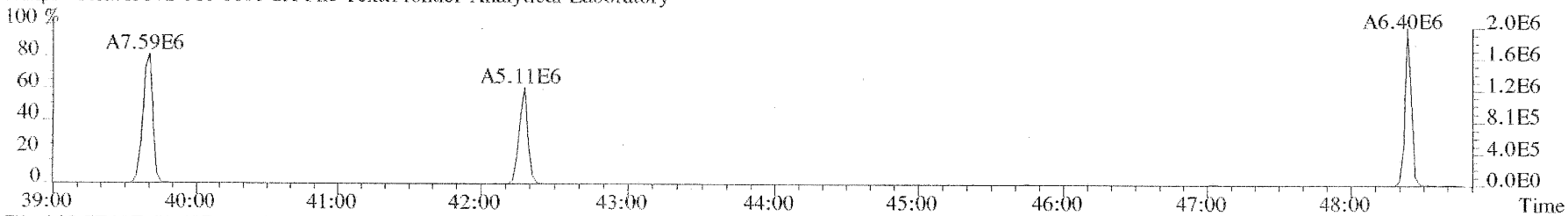
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



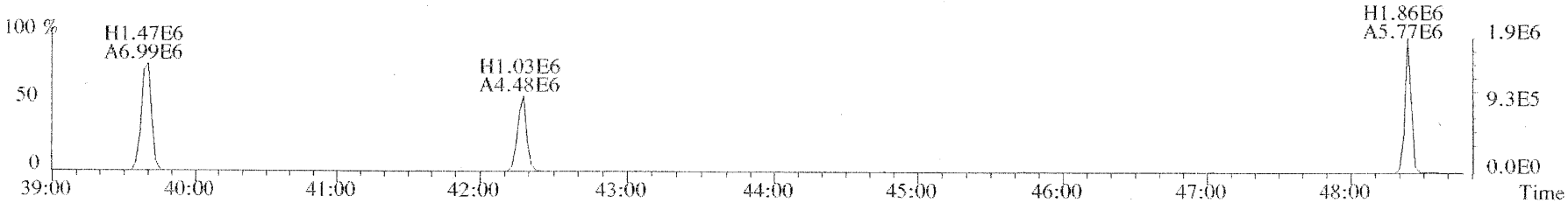
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



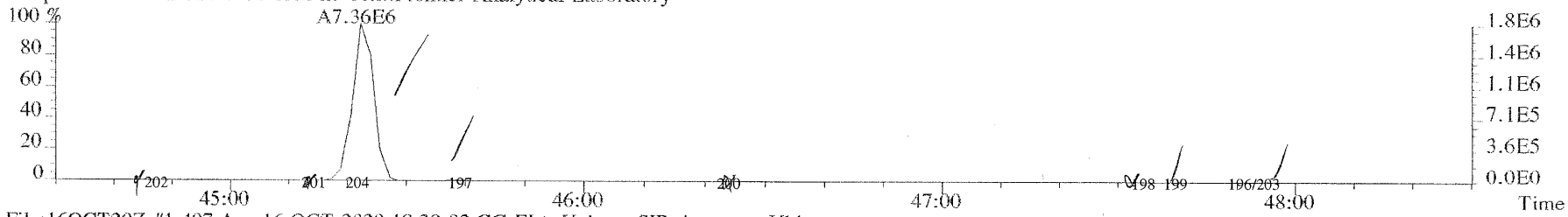
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



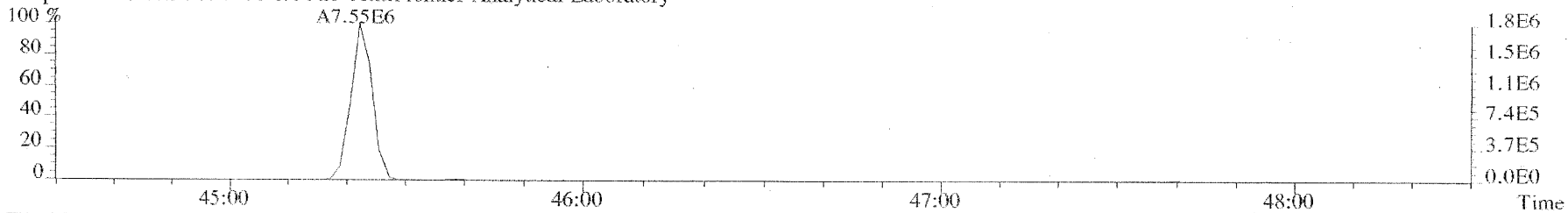
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



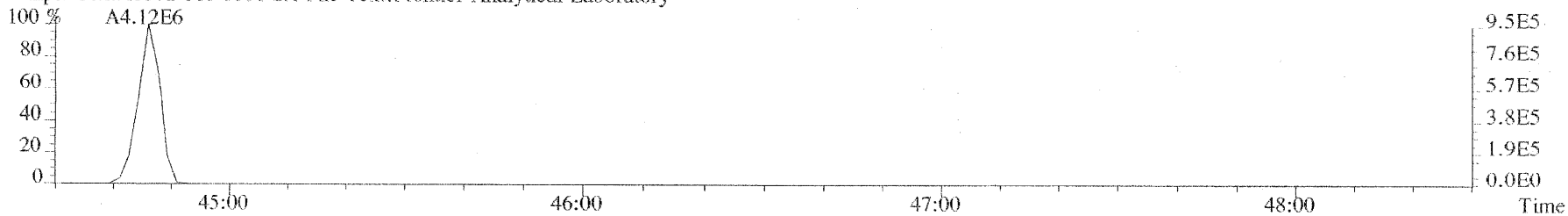
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



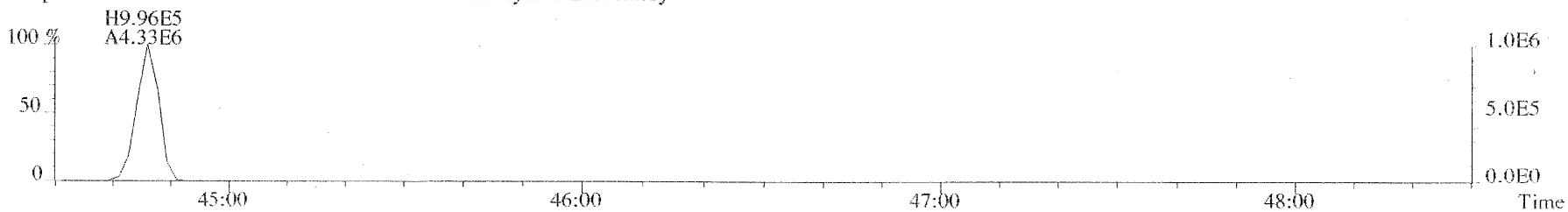
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



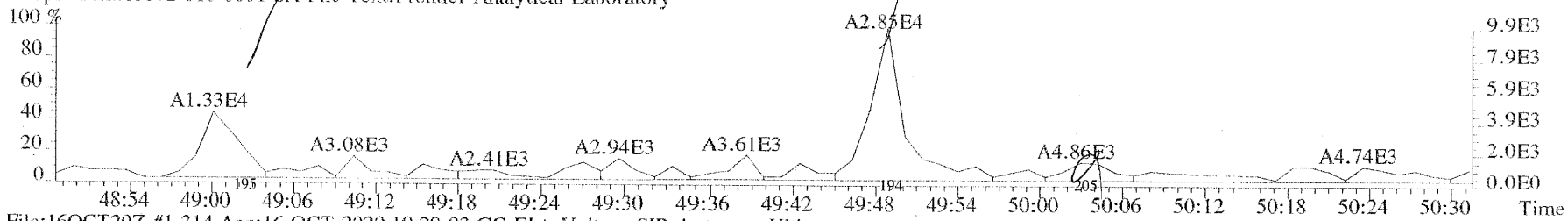
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



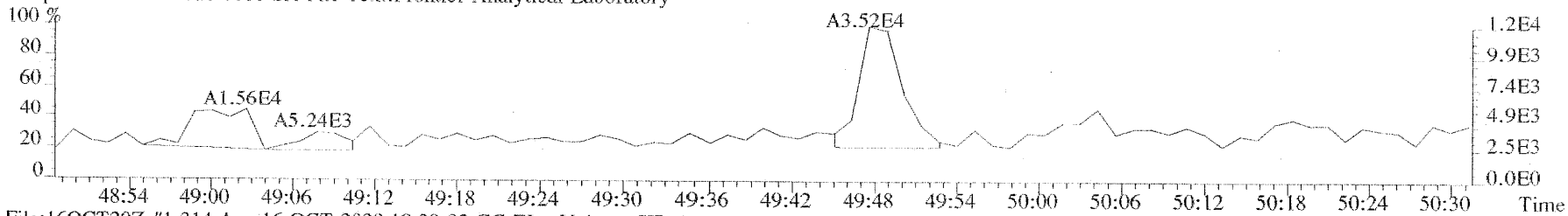
File:16OCT20Z #1-407 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



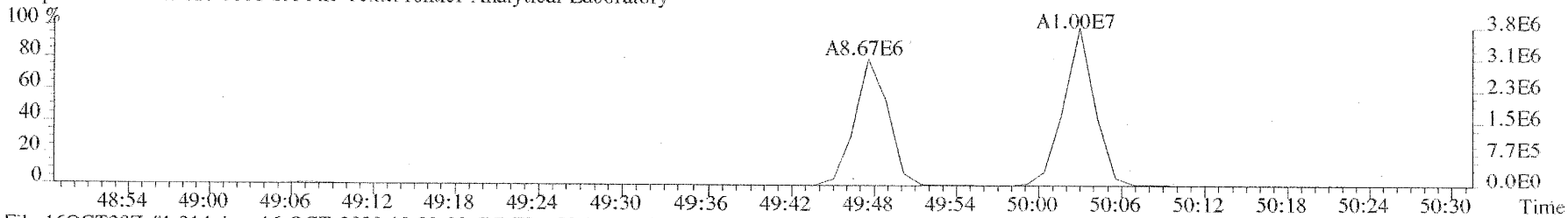
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



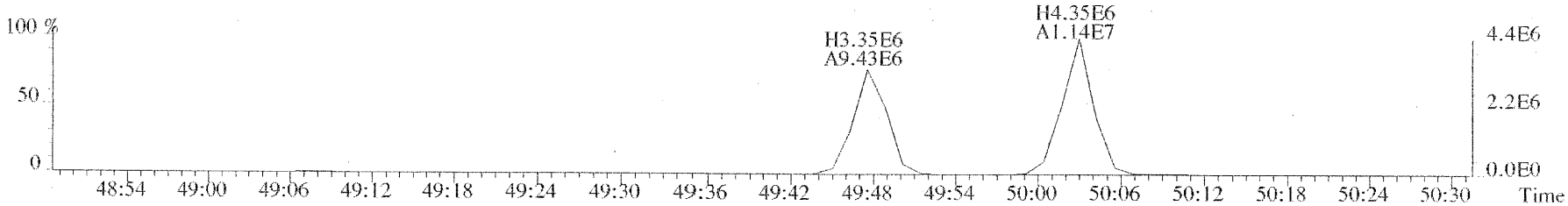
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



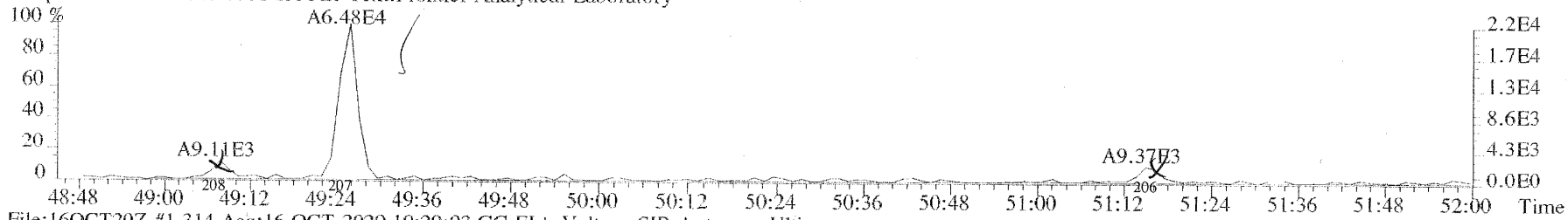
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



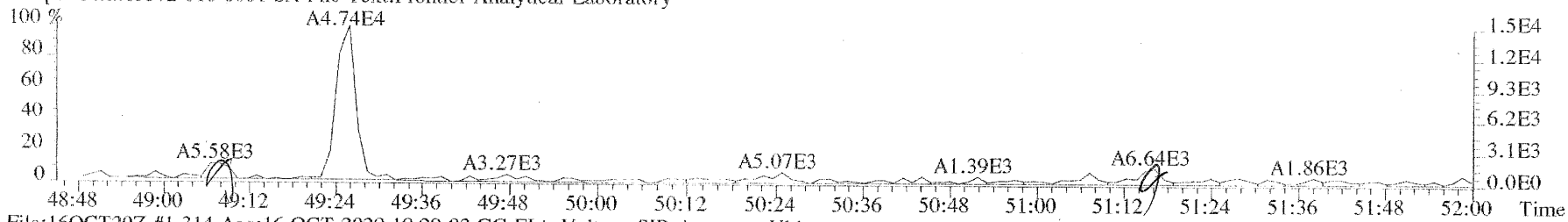
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



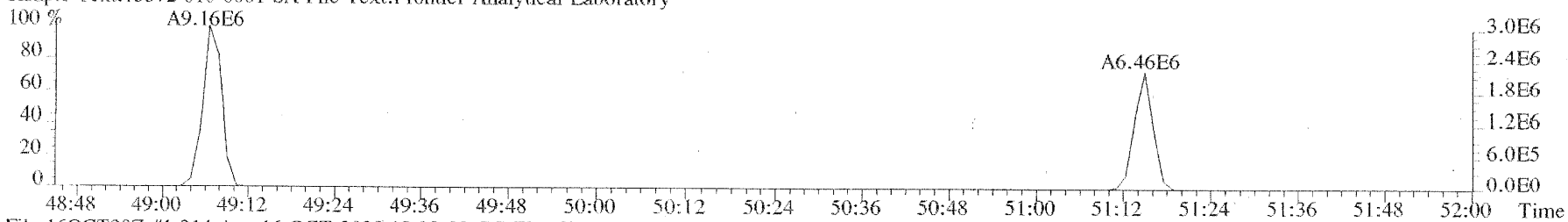
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



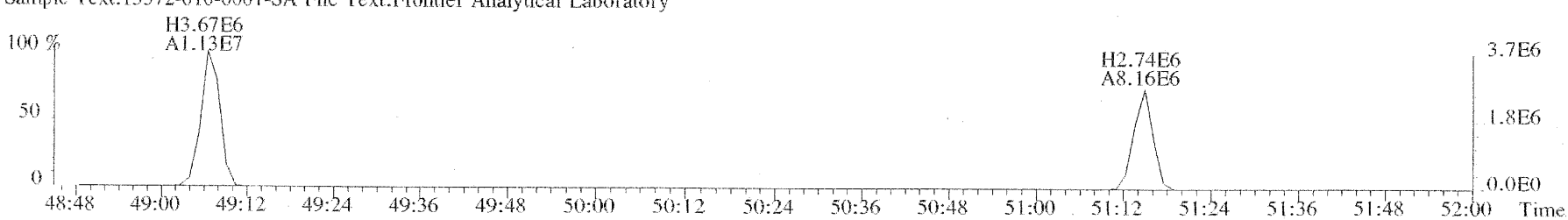
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



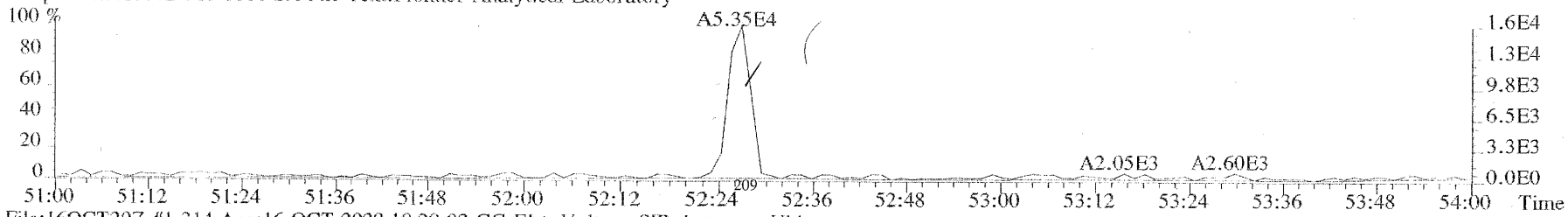
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



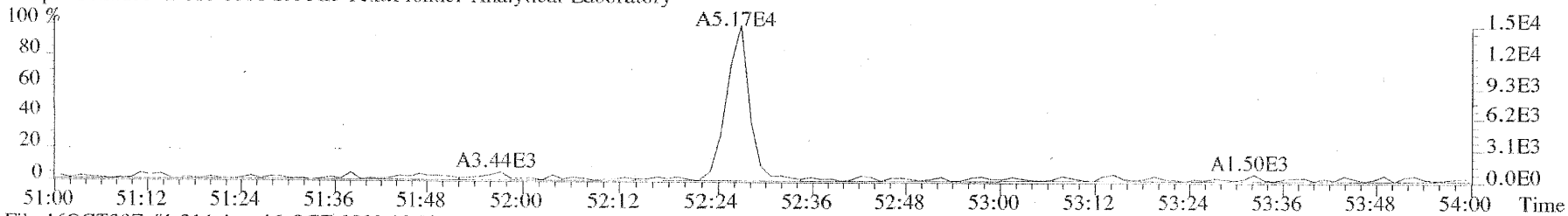
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



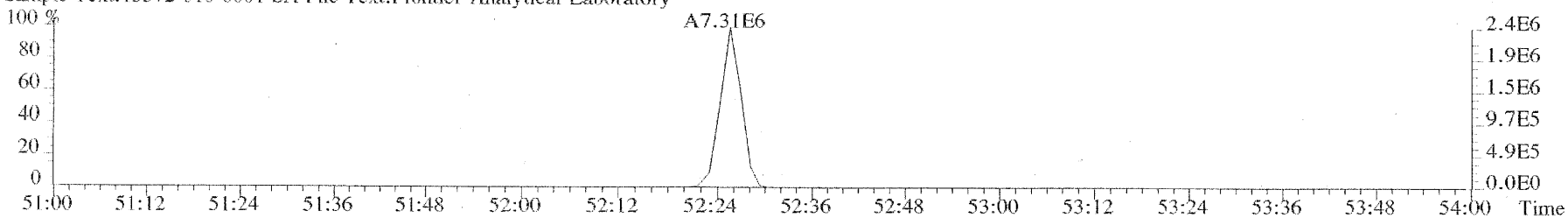
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



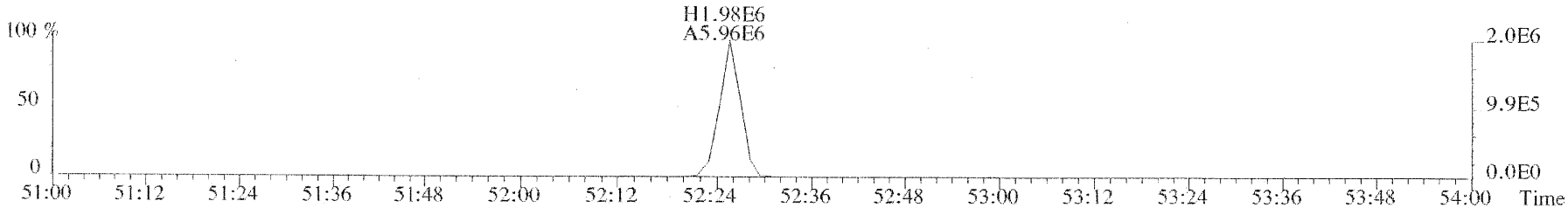
File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-010-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 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:13372-010-0001-SA File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-314 Acq:16-OCT-2020 19:29:03 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:13372-010-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-011-0001-SA Filename: 23OCT20Z Sam:5 Acquired: 23-OCT-20 14:44:47 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-ENR-CD-S010-LONG 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	2.92e+04	3.45 y	14:33	1.35	6.95	J	-	-	*			
13C-PCB-1	3.10e+07	3.22 y	14:32	0.94	7590					75.9	8.19e+06	2.56e+06
PCB-2	*	* n	NotFnd	1.44	*		1040	900	3.42			
PCB-3	*	* n	NotFnd	1.39	*		1040	900	3.87			
13C-PCB-3	2.98e+07	3.27 y	16:57	0.88	7830					78.3	6.93e+06	2.12e+06
PCB-4	4.53e+05	1.51 y	18:13	1.16	142		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		984	3380	7.16			
13C-PCB-4	2.74e+07	1.61 y	18:11	0.70	9040					90.4	4.88e+06	3.12e+06
PCB-9	1.30e+05	1.43 y	19:53	1.55	24.7		-	-	*			
PCB-7	8.64e+04	1.47 y	19:55	1.55	16.4	J	-	-	*			
PCB-6	4.48e+05	1.62 y	20:30	1.48	89.0		-	-	*			
PCB-8	1.95e+06	1.54 y	20:53	1.50	382		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		984	3380	8.11			
PCB-14	3.04e+06	1.46 y	21:56	1.53	583		-	-	*			
PCB-11	1.51e+05	1.45 y	23:05	1.39	31.9		-	-	*			
PCB-13	*	* n	NotFnd	1.33	*		984	3380	9.03			
PCB-12	*	* n	NotFnd	1.39	*		984	3380	8.65			
PCB-15	4.83e+05	1.55 y	23:43	1.30	92.1		-	-	*			
13C-PCB-15	4.05e+07	1.62 y	23:42	1.01	9210					92.1	6.21e+06	3.79e+06
PCB-19	4.02e+05	1.16 y	22:05	1.29	197		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2320	392	7.29			
PCB-18	3.73e+06	1.07 y	23:37	1.25	1890		-	-	*			
PCB-17	1.66e+06	1.08 y	23:48	1.44	728		-	-	*			
PCB-27	2.44e+05	1.10 y	24:18	1.80	85.9		-	-	*			
PCB-24	2.65e+05	1.14 y	24:19	1.85	90.3		-	-	*			
PCB-16	1.42e+06	1.08 y	24:49	1.61	558		-	-	*			
PCB-32	1.39e+06	1.04 y	24:50	1.62	544		-	-	*			
13C-PCB-19	1.58e+07	1.09 y	22:04	0.47	7740					77.4	2.38e+06	2.21e+06
13C-PCB-9	4.34e+07	1.62 y	19:51	-	93.5							
PCB-34	*	* n	NotFnd	1.18	*		1230	1050	6.49			
PCB-23	*	* n	NotFnd	1.31	*		1230	1050	5.83			
PCB-29	*	* n	NotFnd	1.36	*		1230	1050	5.64			
PCB-26	1.35e+06	1.00 y	26:06	1.34	288		-	-	*			
PCB-25	7.00e+05	1.11 y	26:16	1.27	158		-	-	*			
PCB-31	6.62e+06	1.03 y	26:35	1.41	1340		-	-	*			
PCB-28	6.93e+06	1.04 y	26:41	1.43	1390		-	-	*			
PCB-20	4.48e+06	1.04 y	27:18	1.27	1010		-	-	*		Co-elute PCB 21/33	
PCB-21	4.48e+06	1.04 y	27:18	1.27	1010		-	-	*		Co-elute PCB 20/33	
PCB-33	4.48e+06	1.04 y	27:18	1.27	1010		-	-	*		Co-elute PCB 20/21	
PCB-22	2.31e+06	1.05 y	27:42	1.33	500		-	-	*			
PCB-36	4.18e+06	0.99 y	28:16	1.37	878		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1230	1050	6.36			
PCB-38	*	* n	NotFnd	1.35	*		1230	1050	5.66			
PCB-35	*	* n	NotFnd	1.27	*		1230	1050	6.04			
PCB-37	9.71e+05	1.00 y	30:22	1.21	230		-	-	*			
13C-PCB-37	3.49e+07	1.04 y	30:21	1.77	10100					101	3.85e+06	3.59e+06

PCB-54	3.77e+04	0.79	y	25:38	1.36	12.3	J	-	-	*			
PCB-50	3.57e+04	0.80	y	26:43	1.16	13.7	J	-	-	*			
PCB-53	7.57e+05	0.81	y	27:19	1.02	328		-	-	*			
PCB-51	2.57e+05	0.75	y	27:39	1.04	110		-	-	*			
PCB-45	6.85e+05	0.82	y	28:03	0.98	310		-	-	*			
PCB-46	2.75e+05	0.71	y	28:31	0.92	133		-	-	*			
PCB-52	3.21e+06	0.79	y	28:57	1.11	1290		-	-	*	Co-elute PCB 69		
PCB-69	3.21e+06	0.79	y	28:57	1.11	1290		-	-	*	Co-elute PCB 52		
PCB-73	8.38e+04	0.70	y	29:04	1.30	28.6		-	-	*			
PCB-43	2.11e+06	0.78	y	29:14	1.00	941		-	-	*	Co-elute PCB 49		
PCB-49	2.11e+06	0.78	y	29:14	1.00	941		-	-	*	Co-elute PCB 43		
PCB-47	7.51e+05	0.79	y	29:27	0.99	335		-	-	*			
PCB-48	7.44e+05	0.79	y	29:33	1.26	261		-	-	*	Co-elute PCB 75		
PCB-75	7.44e+05	0.79	y	29:33	1.26	261		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		840	900	5.15			
PCB-62	*	*	n	NotFnd	1.19	*		840	900	5.84			
PCB-44	2.02e+06	0.78	y	30:11	0.85	1060		-	-	*			
PCB-42	1.05e+06	0.75	y	30:25	1.12	418		-	-	*	Co-elute PCB 59		
PCB-59	1.05e+06	0.75	y	30:25	1.12	418		-	-	*	Co-elute PCB 42		
PCB-72	2.45e+06	0.80	y	30:58	1.22	889		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.45e+06	0.80	y	30:58	1.22	889		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.45e+06	0.80	y	30:58	1.22	889		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.45e+06	0.80	y	30:58	1.22	889		-	-	*	Co-elute PCB 72/41/71		
PCB-68	5.87e+04	0.67	y	31:11	1.32	19.8	J	-	-	*			
PCB-40	4.12e+05	0.83	y	31:25	0.82	224		-	-	*			
PCB-57	2.95e+04	0.76	y	31:47	1.33	9.84	J	-	-	*			
PCB-67	1.03e+05	0.69	y	32:03	1.26	36.3		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		840	900	5.47			
PCB-63	9.85e+04	0.67	y	32:20	1.35	32.3		-	-	*			
PCB-74	1.02e+06	0.82	y	32:35	1.24	366		-	-	*			
PCB-61	2.12e+06	0.81	y	32:46	1.17	803		-	-	*	Co-elute PCB 70		
PCB-70	2.12e+06	0.81	y	32:46	1.17	803		-	-	*	Co-elute PCB 61		
PCB-76	2.00e+06	0.78	y	32:59	1.39	639		-	-	*	Co-elute PCB 66		
PCB-66	2.00e+06	0.78	y	32:59	1.39	639		-	-	*	Co-elute PCB 76		
PCB-80	5.99e+04	0.83	y	33:10	1.56	17.0	J	-	-	*			
PCB-55	1.71e+05	0.85	y	33:29	1.32	57.5		-	-	*			
13C-PCB-54	2.25e+07	0.81	y	25:35	1.32	8760					87.6	2.77e+06	3.52e+06
PCB-104	5.23e+06	1.58	y	30:03	1.23	3080		-	-	*			
PCB-96	2.69e+04	1.55	y	31:15	1.20	16.2	J	-	-	*			
PCB-103	3.33e+04	1.66	y	31:44	1.01	23.9		-	-	*			
PCB-100	2.63e+04	1.42	y	32:06	0.94	20.4		-	-	*			
PCB-94	*	*	n	NotFnd	0.78	*		404	372	7.47			
PCB-98	*	*	n	NotFnd	0.77	*		404	372	7.48	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		404	372	7.48	Co-elute PCB 98		
PCB-95	1.32e+06	1.55	y	33:03	0.96	992		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		404	372	6.26			
PCB-88	*	*	n	NotFnd	0.52	*		404	372	11.1	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		404	372	11.1	Co-elute PCB 88		
PCB-121	7.39e+06	1.62	y	33:31	1.08	4940		-	-	*			
13C-PCB-104	1.38e+07	1.60	y	30:02	0.96	7350					73.5	2.06e+06	1.29e+06
13C-PCB-28	4.10e+07	1.08	y	26:40	2.13	9870					98.7	5.28e+06	4.94e+06
13C-PCB-52	1.95e+07	0.80	y	28:56	-	90.4							

PCB-56	1.70e+06	0.80	y	33:57	1.21	456		-	-	*			Co-elute PCB 60
PCB-60	1.70e+06	0.80	y	33:57	1.21	456		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.38	*		1150	1460	7.44			
PCB-78	1.33e+07	0.79	y	35:38	1.38	3130		-	-	*			
PCB-81	7.80e+04	0.75	y	36:10	1.41	18.3	J	-	-	*			
13C-PCB-81	3.03e+07	0.81	y	36:07	1.78	11100					111	2.91e+06	3.52e+06
PCB-77	1.65e+05	0.81	y	36:42	1.17	45.1		-	-	*			
13C-PCB-77	3.14e+07	0.82	y	36:41	1.84	11200					112	2.84e+06	3.45e+06
PCB-155	9.03e+06	1.27	y	34:12	1.14	5790		-	-	*			
PCB-150	*	*	n	NotFnd	1.06	*		564	536	8.75			
PCB-152	*	*	n	NotFnd	1.15	*		564	536	8.09			
PCB-145	*	*	n	NotFnd	1.06	*		564	536	8.74			
PCB-136	2.48e+05	1.31	y	36:35	1.05	172		-	-	*			
PCB-148	*	*	n	NotFnd	0.92	*		564	536	10.1			
PCB-154	4.32e+04	1.23	y	37:09	0.93	33.9		-	-	*			
13C-PCB-155	1.37e+07	1.32	y	34:11	1.26	7070					70.7	1.67e+06	1.28e+06
13C-PCB-111	1.92e+07	1.59	y	36:16	1.32	9530					95.3	2.78e+06	1.74e+06
13C-PCB-101	1.53e+07	1.63	y	34:37	-	87.0							
PCB-84	9.05e+05	1.66	y	34:18	0.74	425		-	-	*			Co-elute PCB 92
PCB-92	9.05e+05	1.66	y	34:18	0.74	425		-	-	*			Co-elute PCB 84
PCB-89	3.58e+04	1.45	y	34:26	0.77	16.2	J	-	-	*			
PCB-90	1.81e+06	1.68	y	34:39	0.80	787		-	-	*			Co-elute PCB 101
PCB-101	1.81e+06	1.68	y	34:39	0.80	787		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		1080	1030	9.71			
PCB-99	8.54e+05	1.64	y	34:57	0.92	323		-	-	*			
PCB-119	7.75e+04	1.40	y	35:24	1.06	25.5		-	-	*			
PCB-83	9.15e+04	1.50	y	35:33	0.83	38.3		-	-	*			Co-elute PCB 112
PCB-112	9.15e+04	1.50	y	35:33	0.83	38.3		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		1080	1030	8.90			
PCB-97	4.59e+05	1.65	y	35:53	0.68	236		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		1080	1030	12.7			
PCB-125	6.53e+05	1.64	y	36:10	0.92	246		-	-	*			Co-elute PCB 87/117
PCB-87	6.53e+05	1.64	y	36:10	0.92	246		-	-	*			Co-elute PCB 125/117
PCB-117	6.53e+05	1.64	y	36:10	0.92	246		-	-	*			Co-elute PCB 125/87
PCB-111	4.11e+04	1.72	y	36:17	0.99	14.4	J	-	-	*			Co-elute PCB 115
PCB-115	4.11e+04	1.72	y	36:17	0.99	14.4	J	-	-	*			Co-elute PCB 111
PCB-85	2.66e+05	1.77	y	36:25	0.92	101		-	-	*			Co-elute PCB 116
PCB-116	2.66e+05	1.77	y	36:25	0.92	101		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		1080	1030	7.72			
PCB-110	2.10e+06	1.57	y	36:46	0.99	734		-	-	*			
PCB-82	1.41e+05	1.65	y	37:23	0.65	75.8		-	-	*			
PCB-124	8.29e+04	1.43	y	38:01	1.25	23.0		-	-	*			
PCB-108	1.28e+05	1.51	y	38:11	1.23	36.4		-	-	*			Co-elute PCB 107
PCB-107	1.28e+05	1.51	y	38:11	1.23	36.4		-	-	*			Co-elute PCB 108
PCB-123	4.70e+04	1.46	y	38:21	1.19	14.2	J	-	-	*			
13C-PCB-123	2.79e+07	1.58	y	38:19	1.42	10300					103	3.81e+06	2.37e+06
PCB-118	1.65e+06	1.62	y	38:31	1.22	458		-	-	*			Co-elute PCB 106
PCB-106	1.65e+06	1.62	y	38:31	1.22	458		-	-	*			Co-elute PCB 118
13C-PCB-118	2.96e+07	1.61	y	38:29	1.59	9810					98.1	4.00e+06	2.45e+06
PCB-114	4.70e+04	1.34	y	39:07	1.18	13.6	J	-	-	*			
13C-PCB-114	2.93e+07	1.60	y	39:05	1.50	10300					103	3.66e+06	2.30e+06
PCB-122	3.30e+04	1.59	y	39:15	1.30	8.83	J	-	-	*			
PCB-105	6.75e+05	1.57	y	39:56	1.36	176		-	-	*			
13C-PCB-105	2.83e+07	1.61	y	39:55	1.52	9770					97.7	3.69e+06	2.27e+06

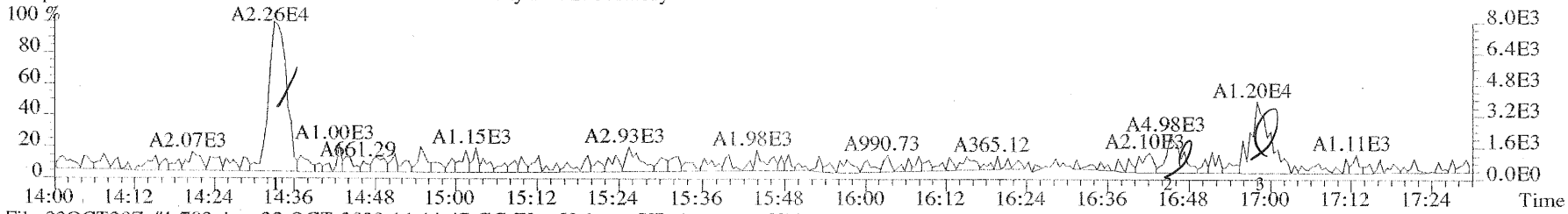
PCB-127	*	*	n	NotFnd	1.27	*		1040	840	6.02				
PCB-126	*	*	n	NotFnd	1.23	*		1040	840	6.28				
13C-PCB-126	2.91e+07	1.64	y	42:03	1.36	11200						112	3.77e+06	2.30e+06
PCB-151	4.70e+05	1.21	y	37:46	1.14	192		-	-	*				
PCB-135	2.56e+05	1.22	y	37:58	1.05	113		-	-	*				
PCB-144	1.08e+05	1.13	y	38:04	1.17	42.9		-	-	*				
PCB-147	4.83e+04	1.31	y	38:13	1.24	18.1	J	-	-	*				
PCB-139	1.54e+06	1.27	y	38:26	1.14	629		-	-	*	Co-elute PCB 149			
PCB-149	1.54e+06	1.27	y	38:26	1.14	629		-	-	*	Co-elute PCB 139			
PCB-140	*	*	n	NotFnd	1.27	*		1160	964	9.02				
PCB-143	8.86e+04	1.12	y	39:04	1.00	41.2		-	-	*	Co-elute PCB 134			
PCB-134	8.86e+04	1.12	y	39:04	1.00	41.2		-	-	*	Co-elute PCB 143			
PCB-131	4.83e+04	1.24	y	39:19	1.00	22.5		-	-	*	Co-elute PCB 133			
PCB-133	4.83e+04	1.24	y	39:19	1.00	22.5		-	-	*	Co-elute PCB 131			
PCB-142	1.71e+06	1.28	y	39:28	1.05	754		-	-	*				
PCB-165	2.85e+05	1.25	y	39:42	1.30	102		-	-	*	Co-elute PCB 146			
PCB-146	2.85e+05	1.25	y	39:42	1.30	102		-	-	*	Co-elute PCB 165			
PCB-161	4.71e+05	1.25	y	39:56	1.24	176		-	-	*	Co-elute PCB 132			
PCB-132	4.71e+05	1.25	y	39:56	1.24	176		-	-	*	Co-elute PCB 161			
PCB-153	1.80e+06	1.30	y	40:05	1.40	597		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1160	964	8.26				
PCB-141	2.39e+05	1.21	y	40:47	1.13	98.3		-	-	*				
PCB-137	3.87e+04	1.07	y	41:09	1.01	17.8	J	-	-	*				
PCB-130	8.53e+04	1.32	y	41:14	1.05	37.7		-	-	*				
PCB-138	1.46e+06	1.23	y	41:35	1.25	541		-	-	*	Co-elute PCB 163/164			
PCB-163	1.46e+06	1.23	y	41:35	1.25	541		-	-	*	Co-elute PCB 138/164			
PCB-164	1.46e+06	1.23	y	41:35	1.25	541		-	-	*	Co-elute PCB 138/163			
PCB-158	1.80e+05	1.32	y	41:48	1.42	59.0		-	-	*	Co-elute PCB 160			
PCB-160	1.80e+05	1.32	y	41:48	1.42	59.0		-	-	*	Co-elute PCB 158			
PCB-129	5.35e+04	1.34	y	42:03	0.99	25.0		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		1160	964	8.05				
PCB-159	4.46e+04	1.09	y	42:51	1.53	13.6	J	-	-	*				
PCB-128	1.89e+05	1.24	y	43:04	1.14	77.4		-	-	*	Co-elute PCB 162			
PCB-162	1.89e+05	1.24	y	43:04	1.14	77.4		-	-	*	Co-elute PCB 128			
PCB-167	5.68e+04	1.15	y	43:25	1.33	19.7	J	-	-	*				
13C-PCB-167	2.17e+07	1.27	y	43:25	1.16	9870						98.7	2.56e+06	2.00e+06
PCB-156	1.32e+05	1.15	y	44:40	1.40	43.3		-	-	*				
13C-PCB-156	2.19e+07	1.28	y	44:38	1.13	10200						102	2.61e+06	2.09e+06
PCB-157	3.26e+04	1.29	y	44:54	1.26	11.8	J	-	-	*				
13C-PCB-157	2.19e+07	1.29	y	44:54	1.14	10000						100	2.42e+06	1.90e+06
PCB-169	*	*	n	NotFnd	1.22	*		1160	964	8.65				
13C-PCB-169	2.06e+07	1.26	y	46:46	1.04	10400						104	2.81e+06	2.20e+06

FAL ID: 13372-011-0001-SA Filename: 23OCT20Z Sam:5 Acquired: 23-OCT-20 14:44:47 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-ENR-CD-S010-LONG ConCal: ST10232OZ1 EndCal: ST10232OZ2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

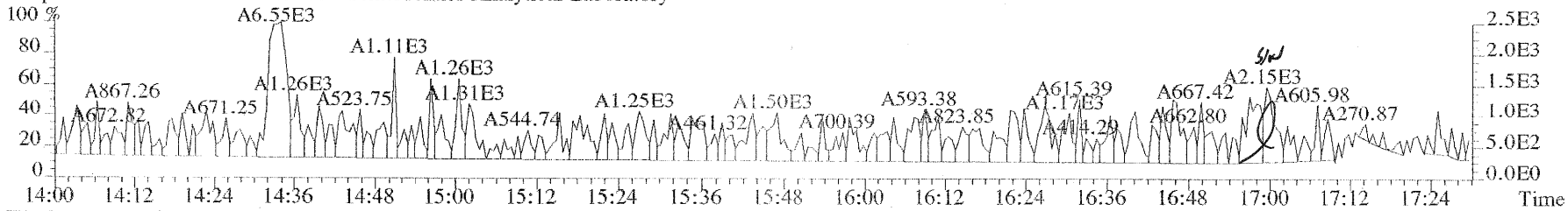
PCB-188	*	*	n	NotFnd	1.19	*		630	548	6.73			
13C-PCB-188	1.58e+07	1.08	y	39:42	1.06	7790					77.9	1.90e+06	1.77e+06
PCB-184	1.24e+07	1.07	y	40:08	1.38	5930		-	-	*			
PCB-179	1.66e+05	1.14	y	40:52	1.38	79.6		-	-	*			
PCB-176	5.97e+04	1.11	y	41:20	1.33	29.7		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		630	548	6.34			
PCB-178	6.51e+04	1.10	y	42:21	0.95	45.5		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		630	548	8.10			
PCB-187	2.89e+05	1.07	y	42:51	1.04	183		-	-	*		Co-elute PCB 182	
PCB-182	2.89e+05	1.07	y	42:51	1.04	183		-	-	*		Co-elute PCB 187	
PCB-183	1.40e+05	1.09	y	43:09	1.07	86.2		-	-	*			
PCB-185	1.88e+04	1.15	y	43:47	0.88	14.0	J	-	-	*			
PCB-174	1.92e+05	1.06	y	44:07	0.94	135		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		630	548	8.56			
PCB-177	1.28e+05	1.07	y	44:23	0.90	93.4		-	-	*			
PCB-171	6.46e+04	0.91	y	44:40	0.96	44.4		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		630	548	9.42			
PCB-172	2.14e+05	1.07	y	45:26	0.90	157		-	-	*			
PCB-192	8.36e+06	1.07	y	45:37	1.07	5150		-	-	*			
PCB-180	3.43e+05	1.07	y	45:49	0.86	265		-	-	*			
PCB-193	3.61e+04	0.97	y	45:59	1.19	20.0		-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		630	548	6.65			
PCB-170	1.32e+05	1.12	y	47:06	0.86	101		-	-	*			
PCB-190	4.61e+04	0.99	y	47:14	1.17	26.0		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		630	548	6.72			
13C-PCB-189	1.45e+07	1.11	y	48:27	0.86	8830					88.3	1.98e+06	1.78e+06
PCB-202	*	*	n	NotFnd	1.11	*		412	488	8.16			
PCB-201	*	*	n	NotFnd	1.27	*		412	488	7.18			
PCB-204	1.70e+07	0.90	y	45:26	1.28	11600		-	-	*			
PCB-197	8.74e+04	0.94	y	45:42	1.20	63.6		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		412	488	7.25			
PCB-198	*	*	n	NotFnd	0.90	*		412	488	10.1			
PCB-199	4.20e+04	0.88	y	47:41	0.85	42.9		-	-	*			
PCB-203	4.76e+04	0.79	y	47:57	0.95	43.7		-	-	*		Co-elute PCB 196	
PCB-196	4.76e+04	0.79	y	47:57	0.95	43.7		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.15e+07	0.92	y	44:49	0.77	7890					78.9	1.21e+06	1.26e+06
13C-PCB-178	1.14e+07	1.08	y	42:20	0.76	7910					79.1	1.31e+06	1.22e+06
13C-PCB-138	1.90e+07	1.25	y	41:34	-	95.8							
PCB-195	3.92e+04	0.95	y	49:04	0.94	16.6	J	-	-	*			
PCB-194	6.66e+04	0.80	y	49:52	1.03	25.7		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		1080	1160	5.36			
13C-PCB-205	2.52e+07	0.91	y	50:06	1.30	9320					93.2	4.25e+06	4.67e+06
PCB-208	*	*	n	NotFnd	1.16	*		464	628	3.81			
13C-PCB-208	1.87e+07	0.82	y	49:09	1.13	8010					80.1	2.79e+06	3.39e+06
PCB-207	9.59e+04	1.52	y	49:29	1.39	40.9		-	-	*			
PCB-206	2.01e+04	1.25	y	51:19	1.17	11.5	J	-	-	*			
13C-PCB-206	1.49e+07	0.80	y	51:18	0.85	8450					84.5	2.27e+06	2.90e+06
PCB-209	1.13e+05	1.22	y	52:30	1.24	62.5		-	-	*			
13C-PCB-209	1.46e+07	1.23	y	52:30	0.88	8030					80.3	2.66e+06	2.10e+06
13C-PCB-194	2.08e+07	0.92	y	49:50	-	105							

Analyst: _____ Date: 10/27/20

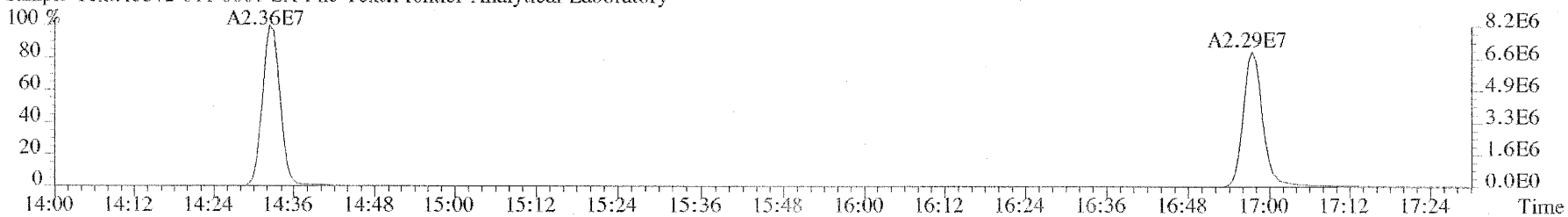
File:23OCT20Z #1-783 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



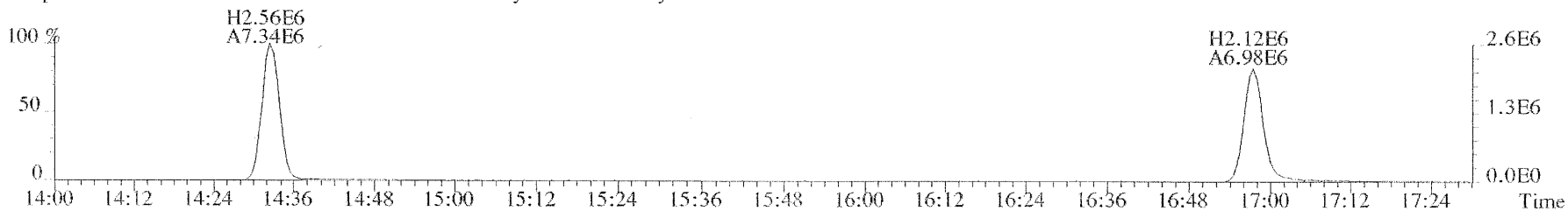
File:23OCT20Z #1-783 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



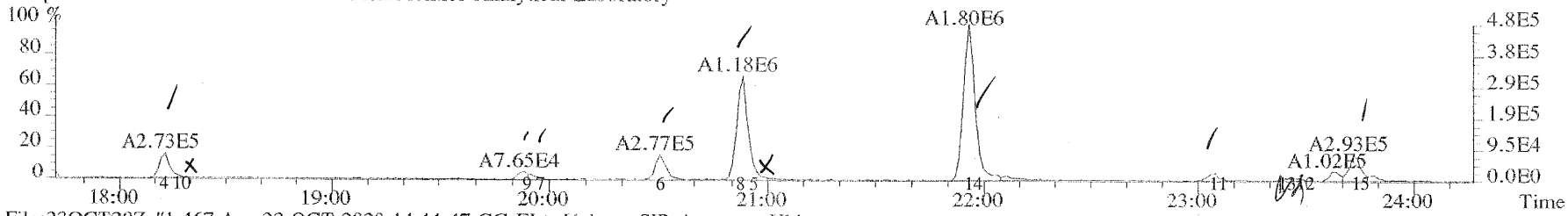
File:23OCT20Z #1-783 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



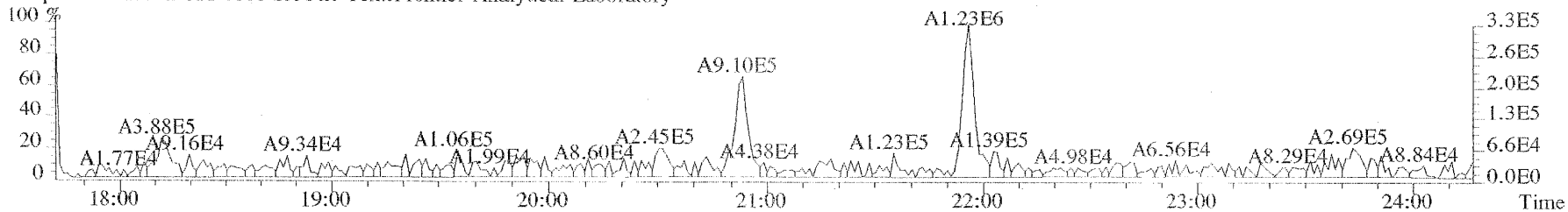
File:23OCT20Z #1-783 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



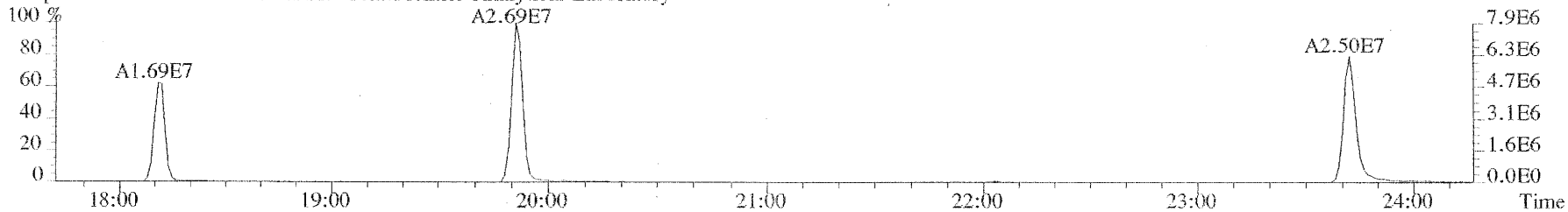
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



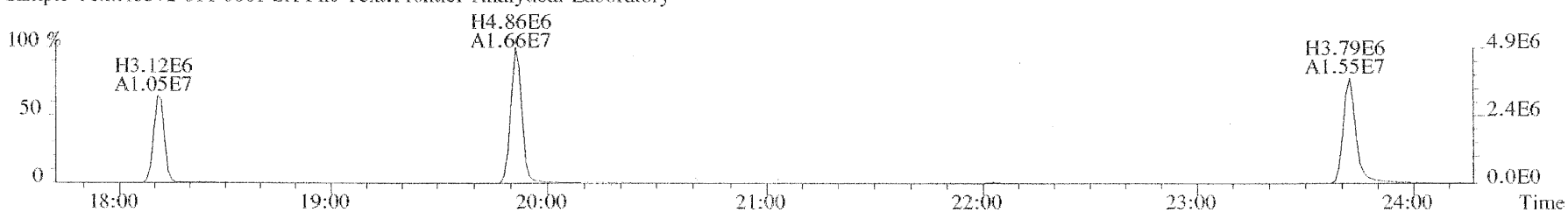
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



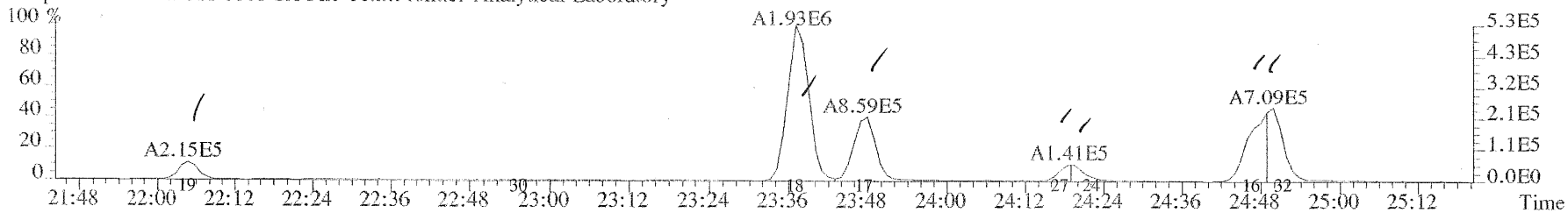
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



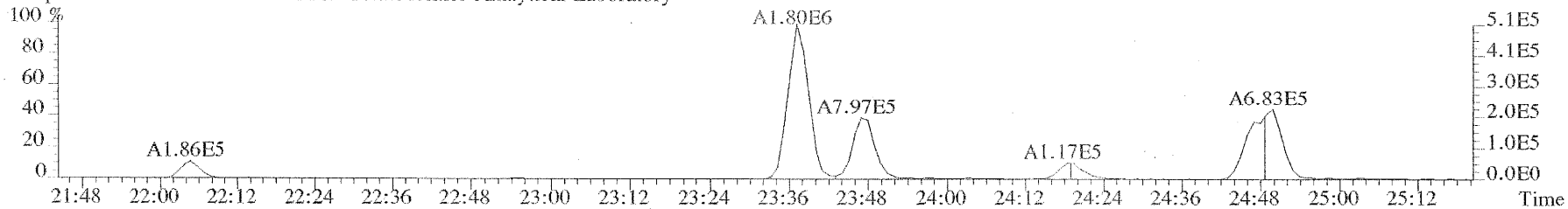
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



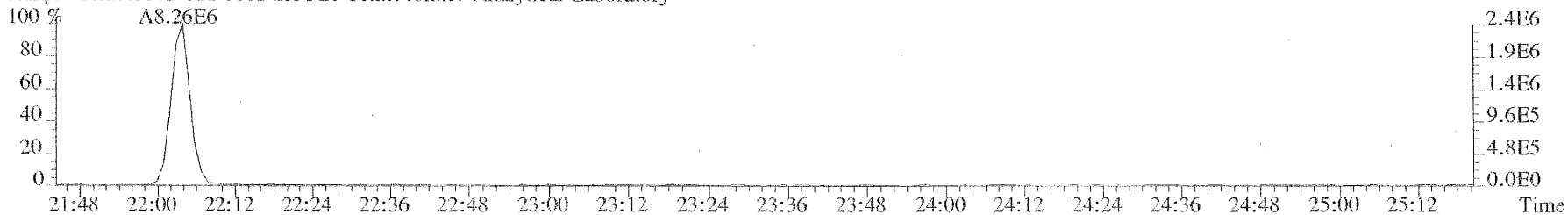
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



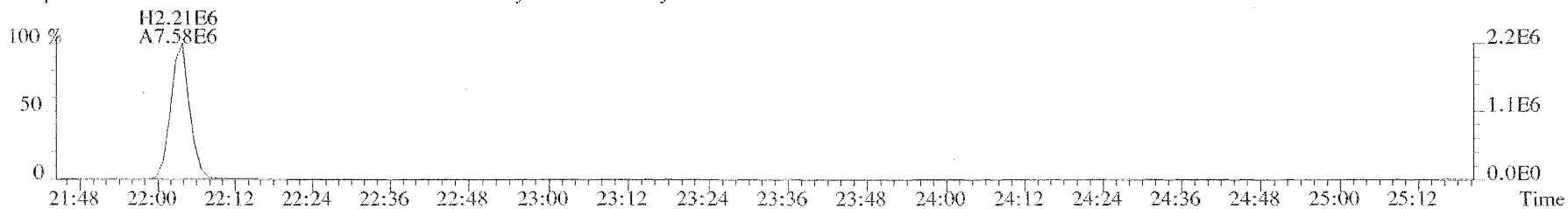
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



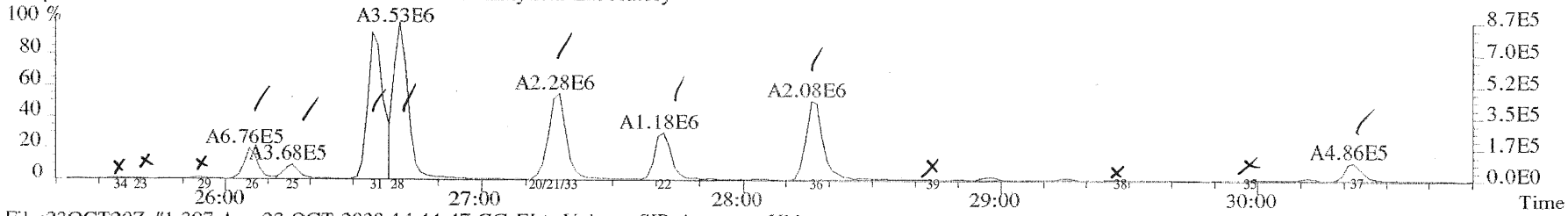
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



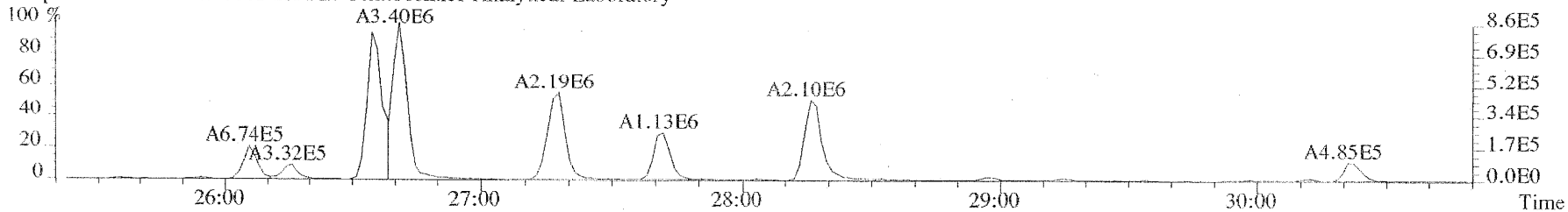
File:23OCT20Z #1-467 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



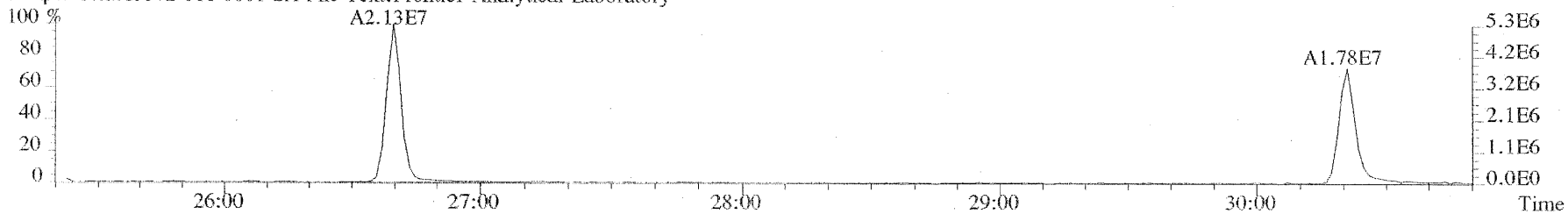
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



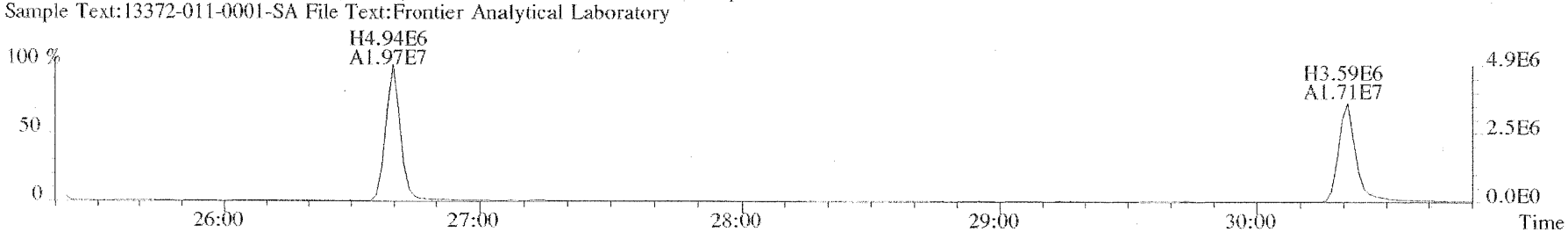
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



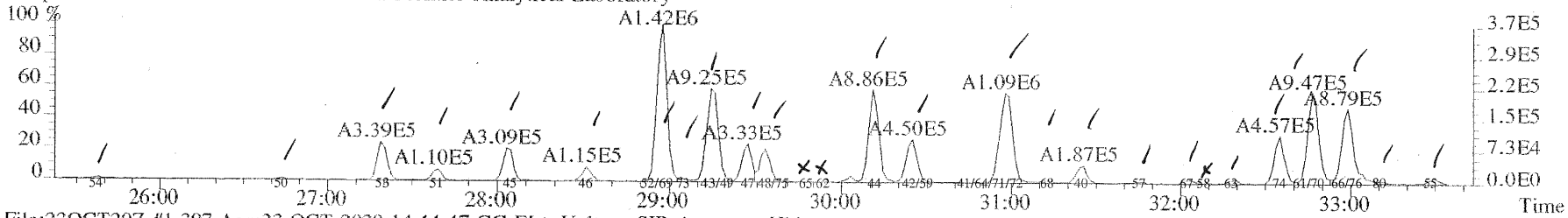
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



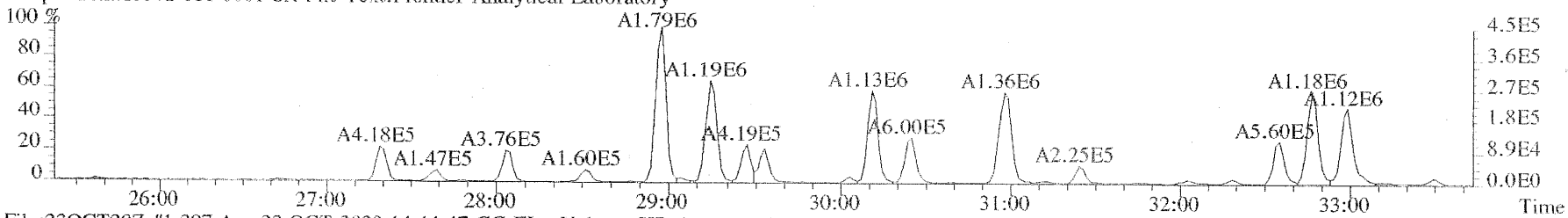
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



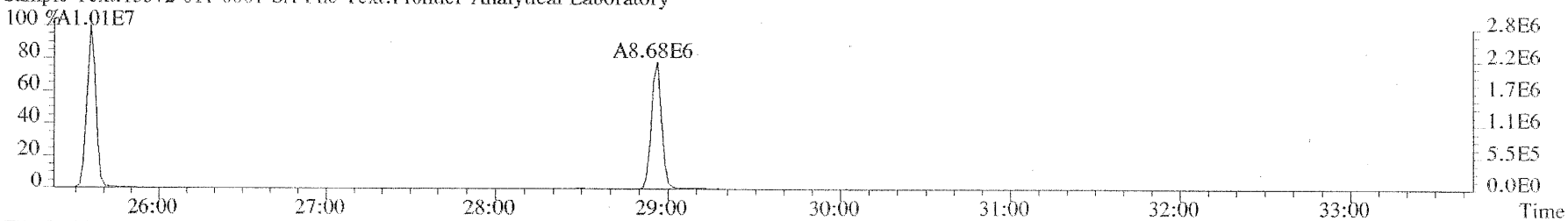
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



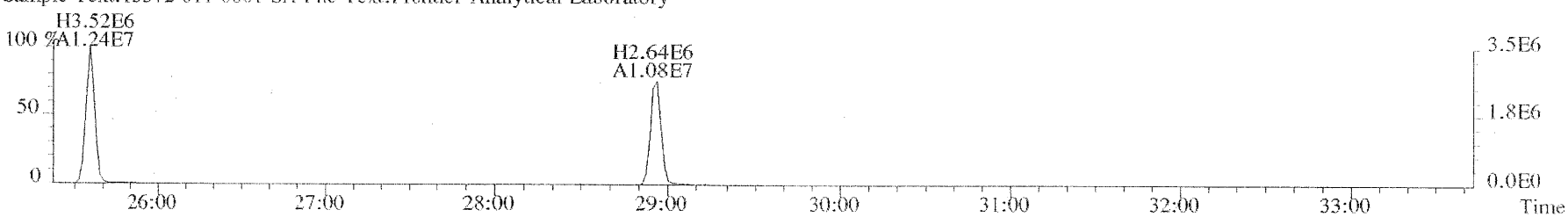
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



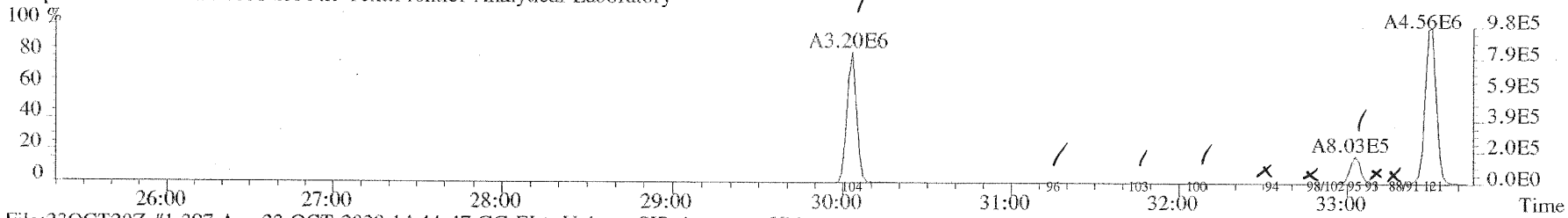
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



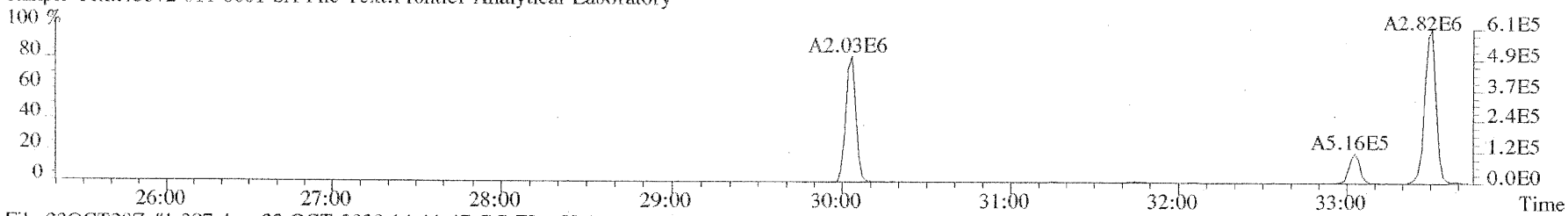
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



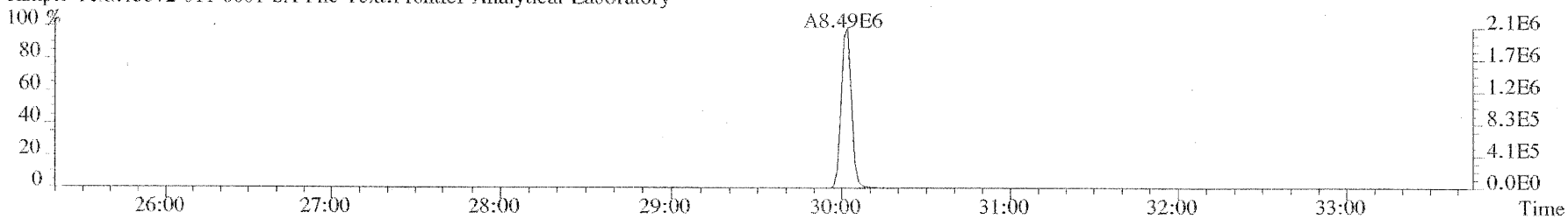
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



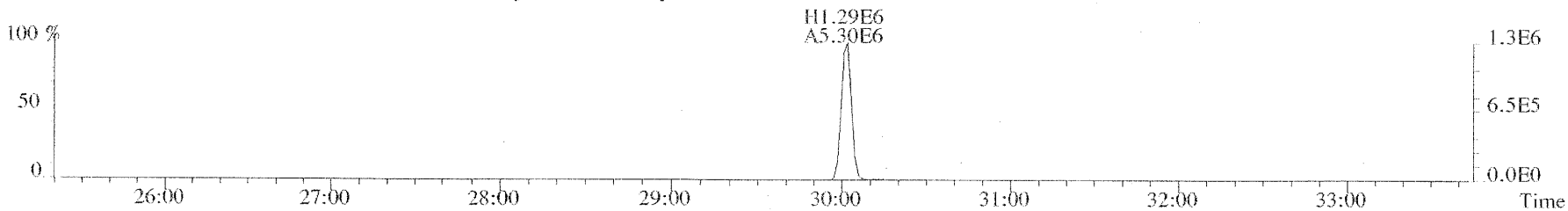
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



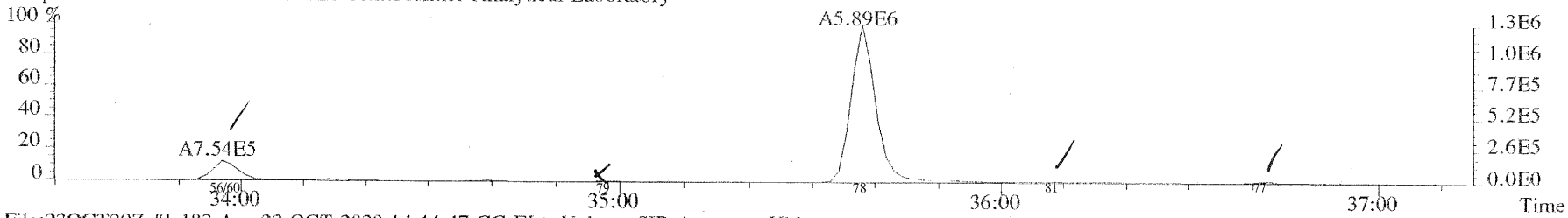
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



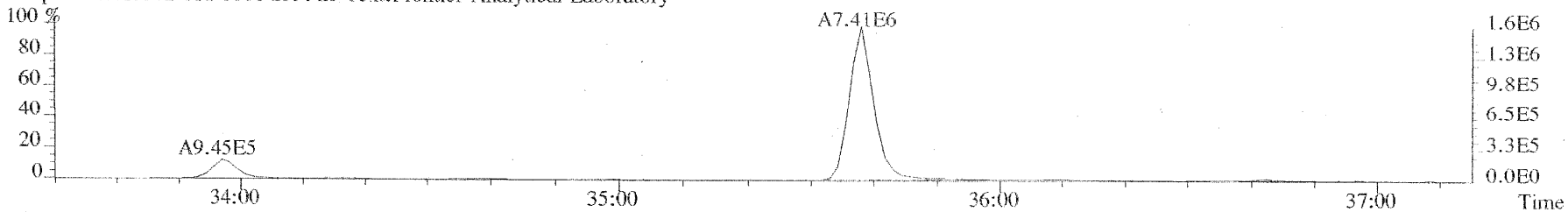
File:23OCT20Z #1-397 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



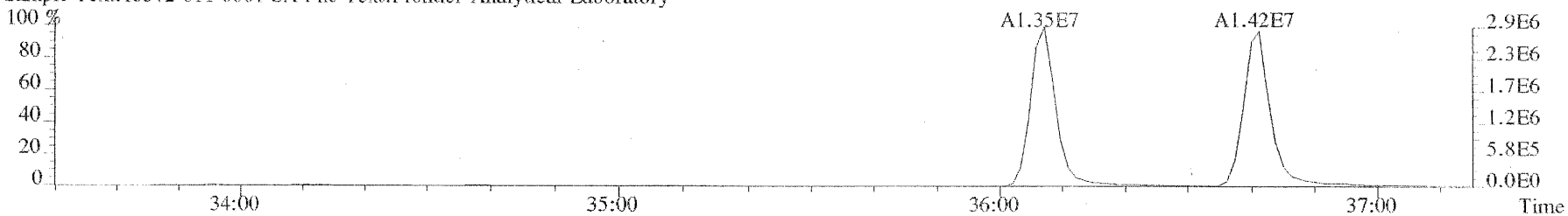
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



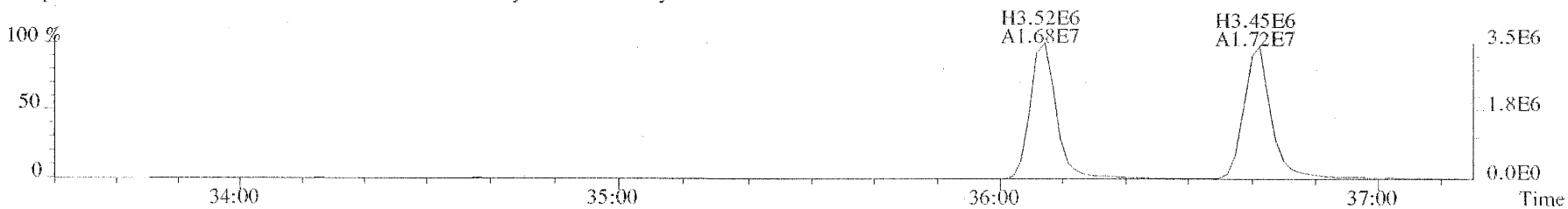
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



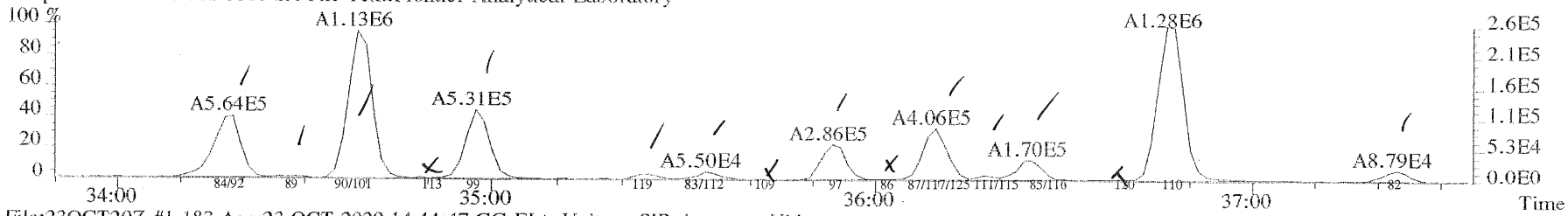
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



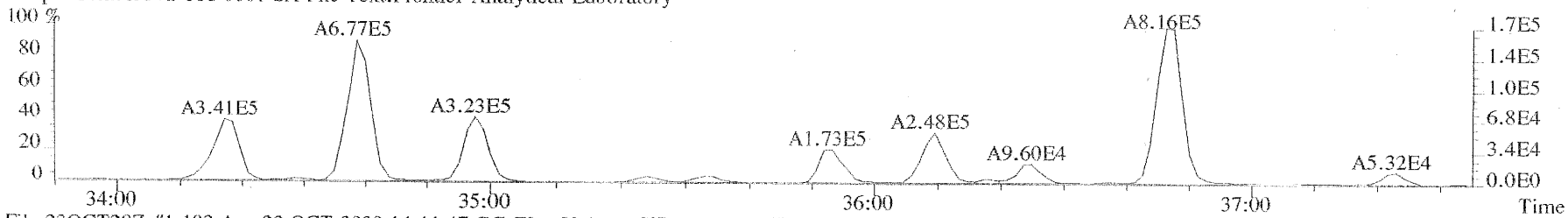
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



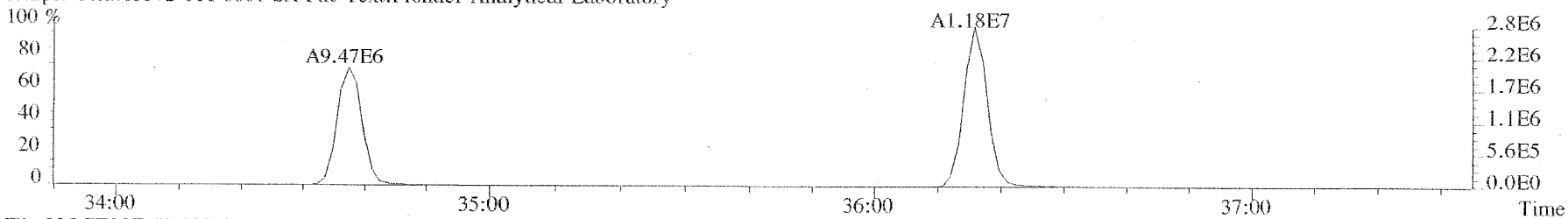
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



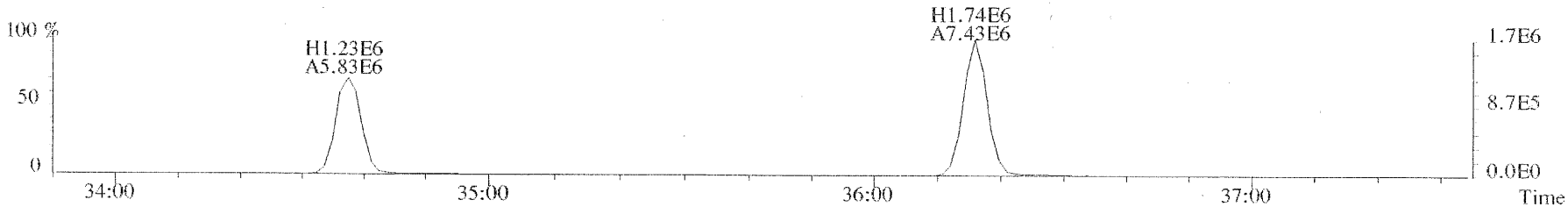
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



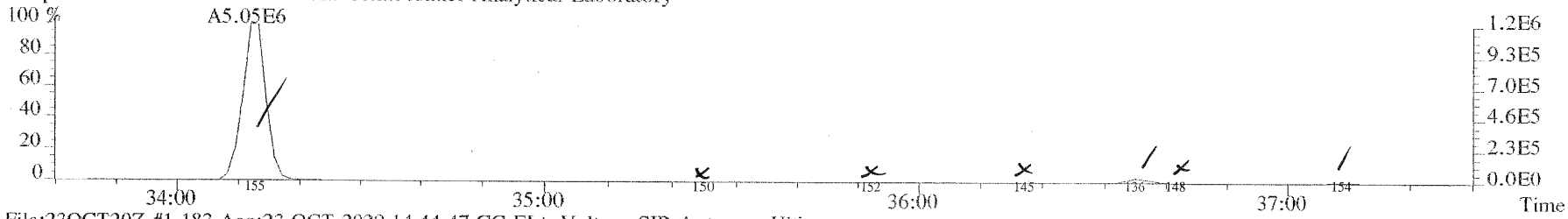
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



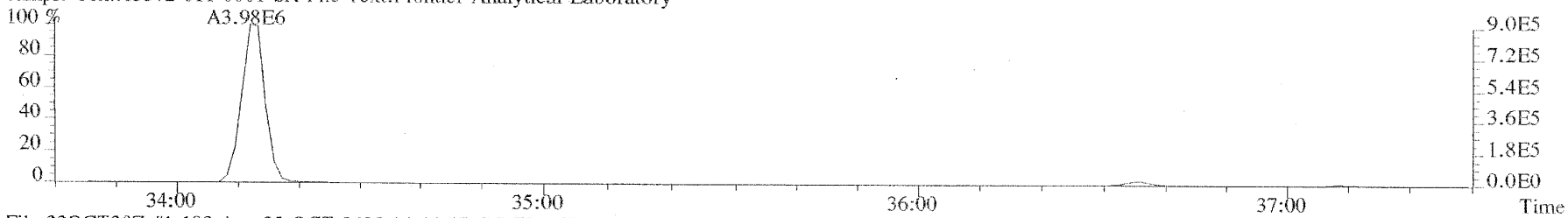
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



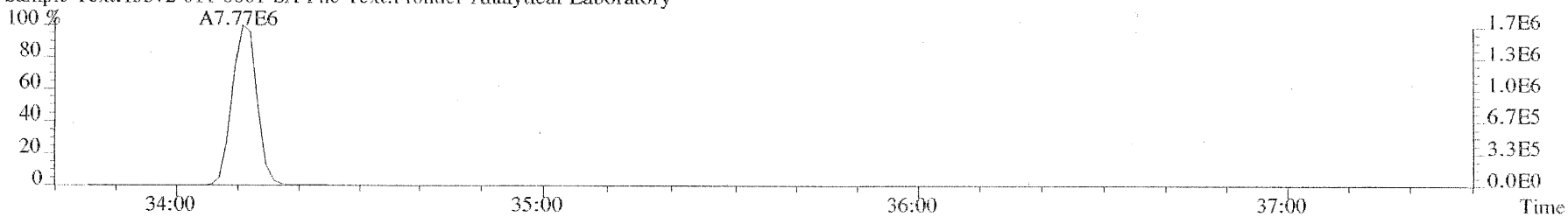
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



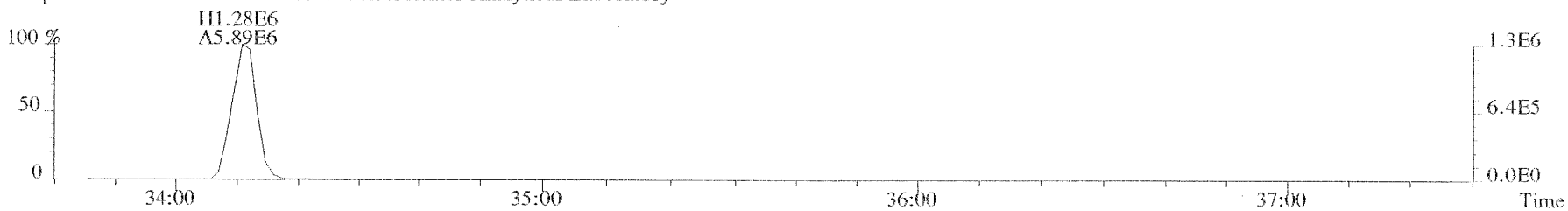
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



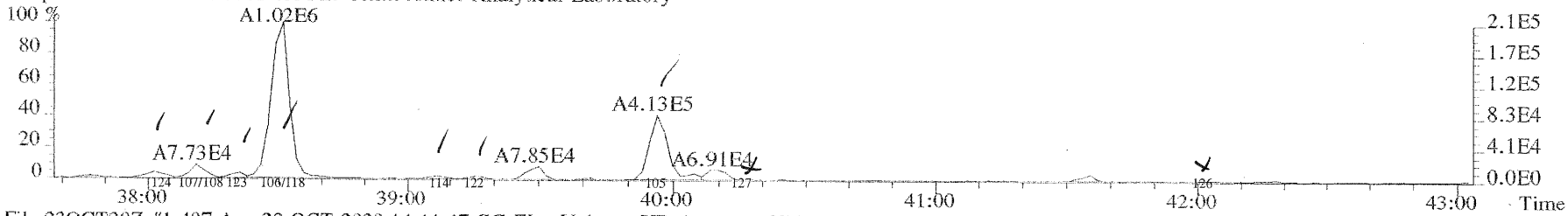
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



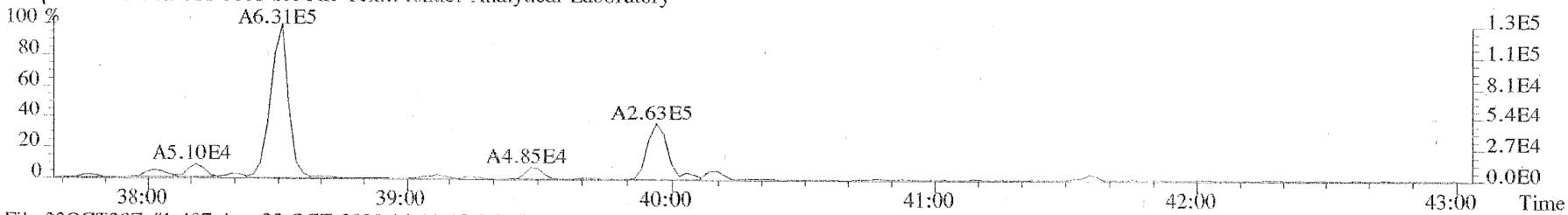
File:23OCT20Z #1-183 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



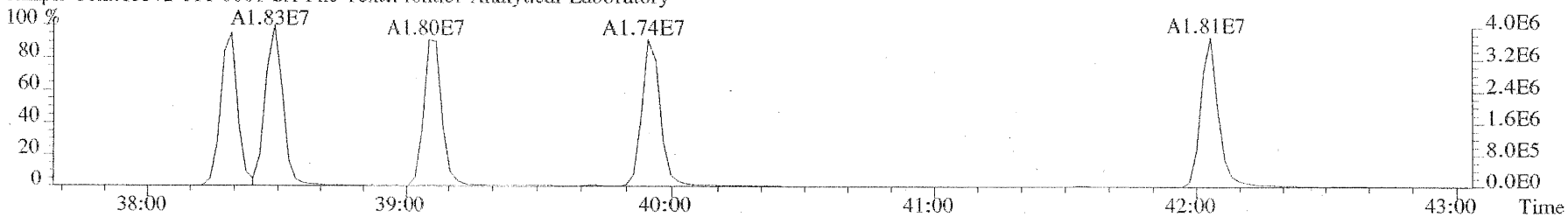
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



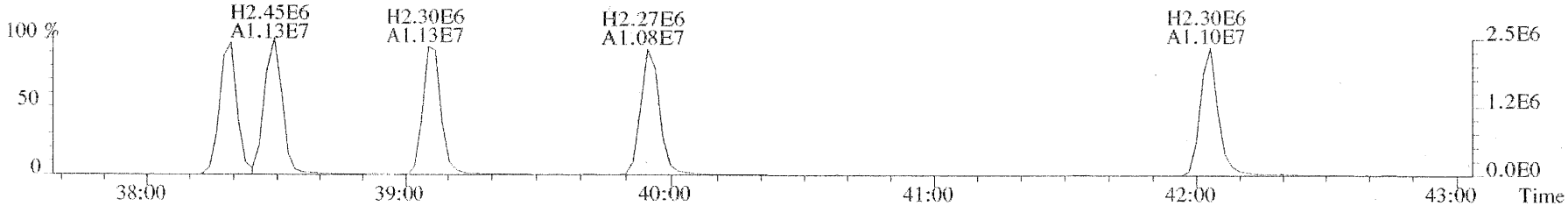
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



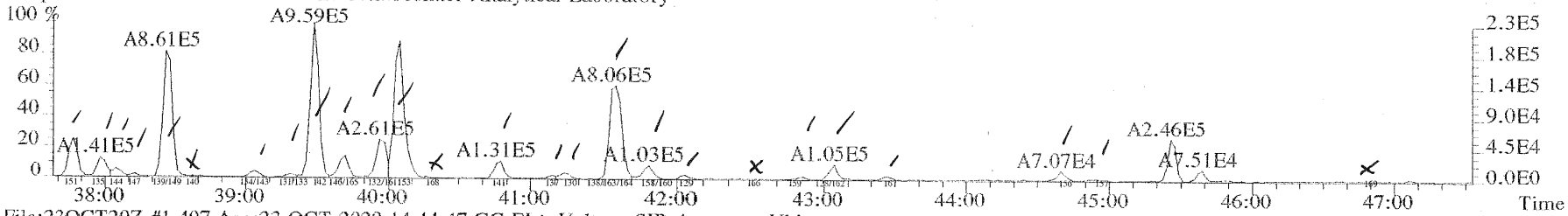
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



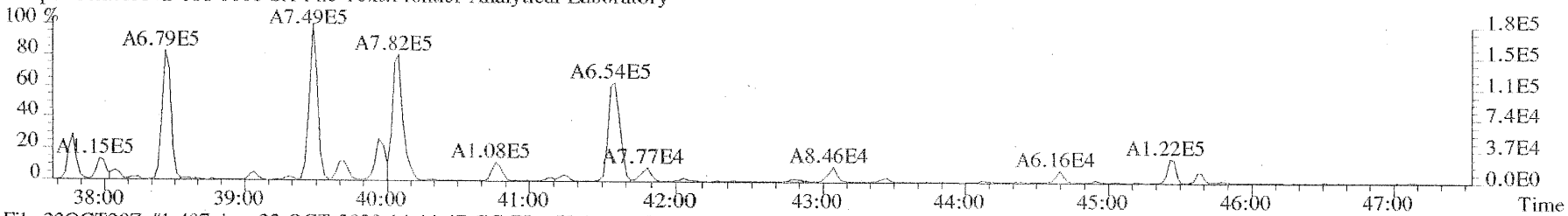
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



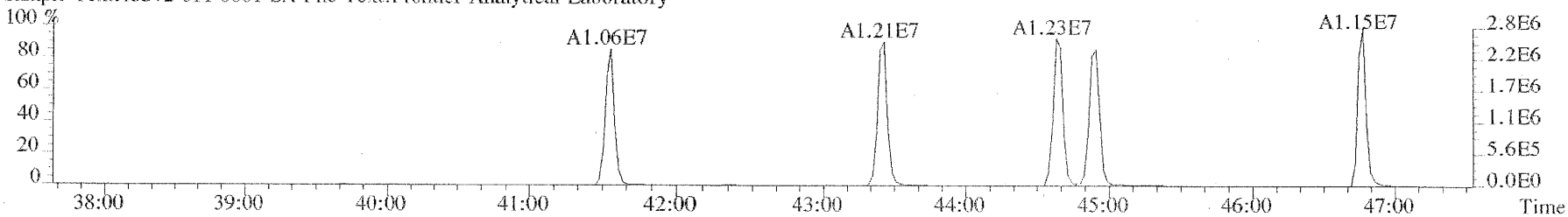
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



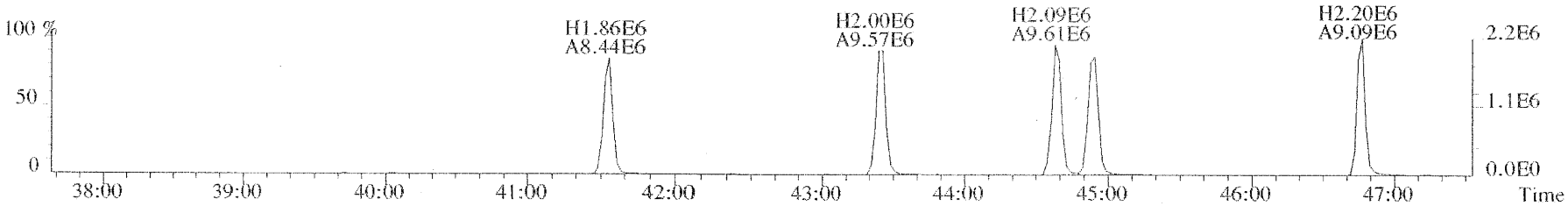
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



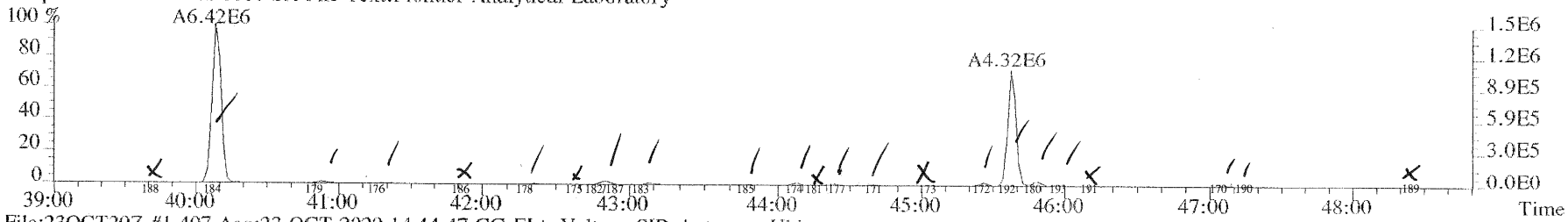
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



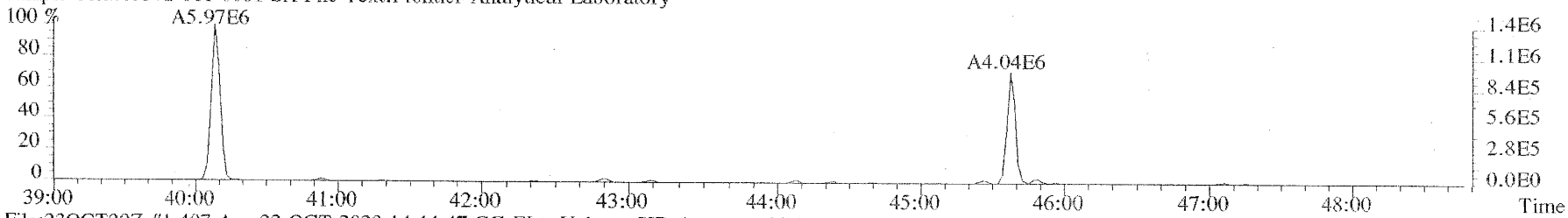
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 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:13372-011-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 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:13372-011-0001-SA File Text:Frontier Analytical Laboratory



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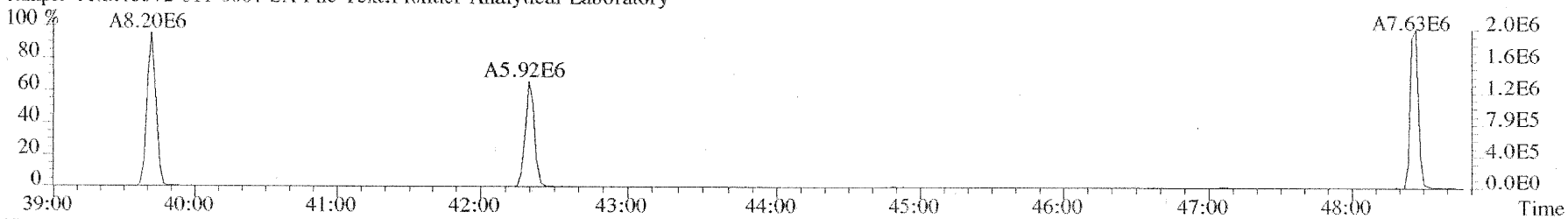
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



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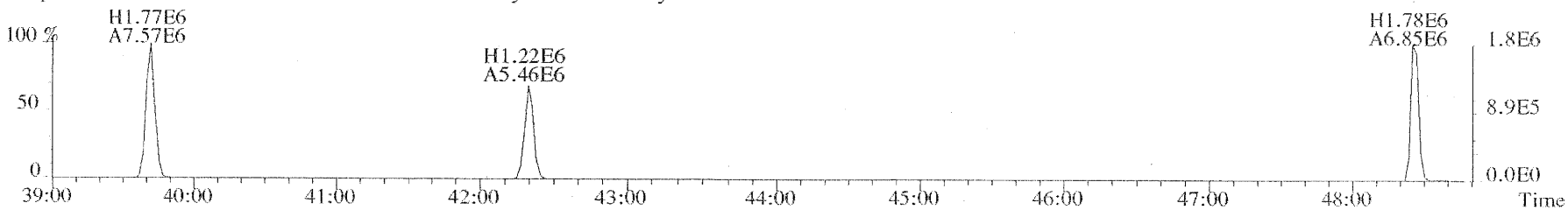
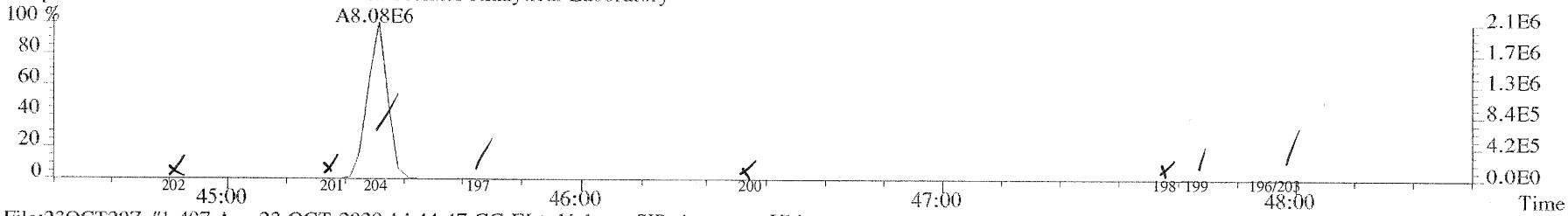
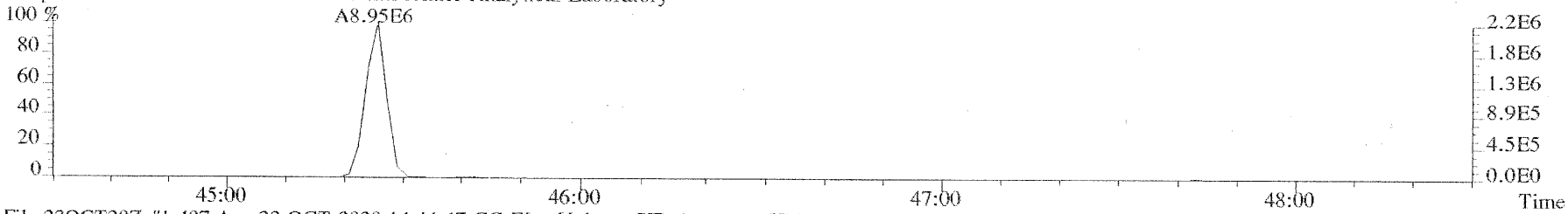
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



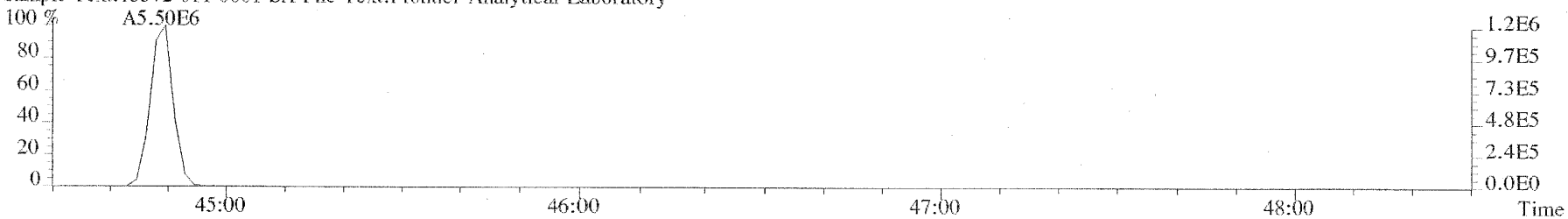
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



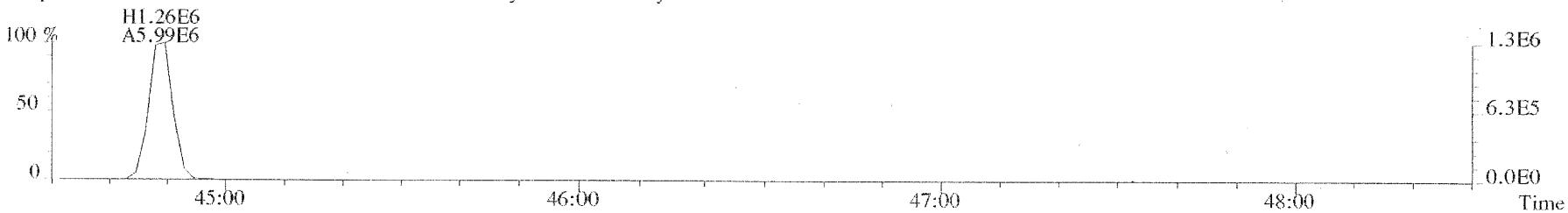
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



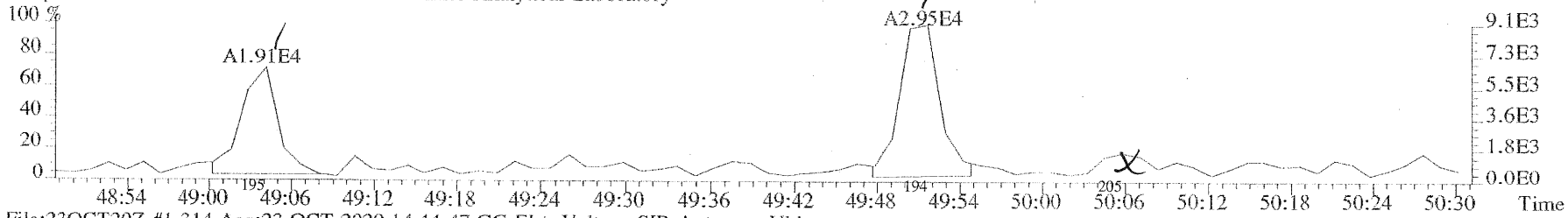
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



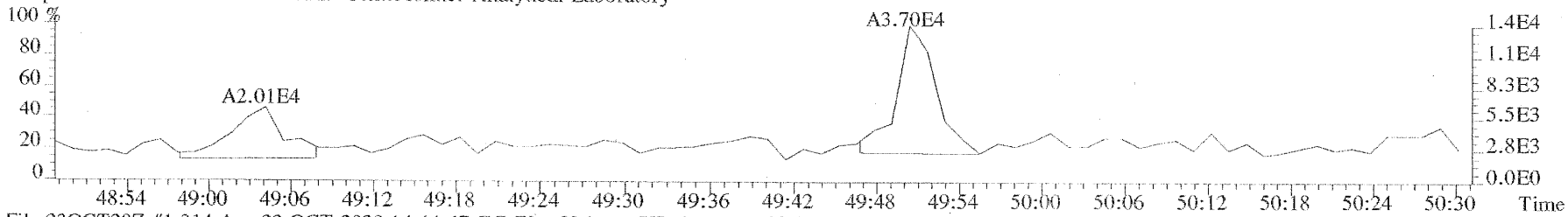
File:23OCT20Z #1-407 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



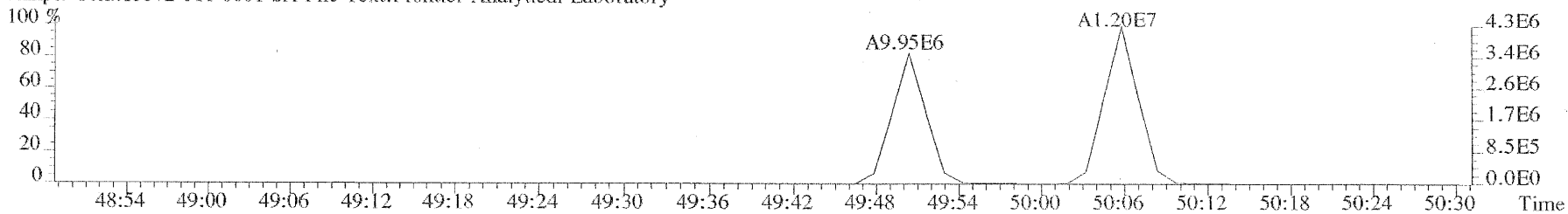
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



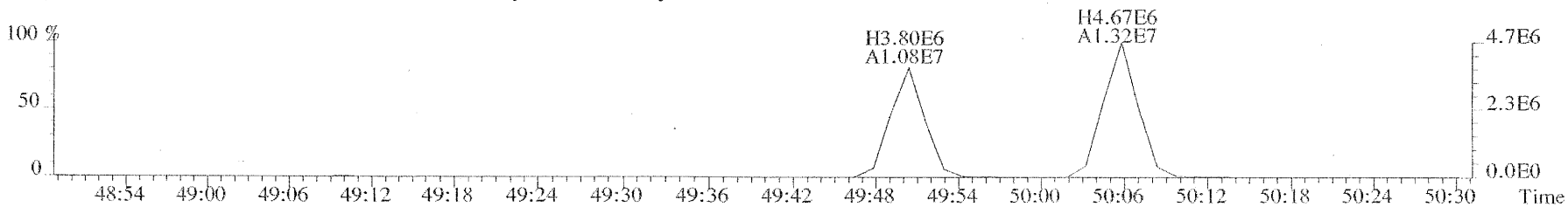
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



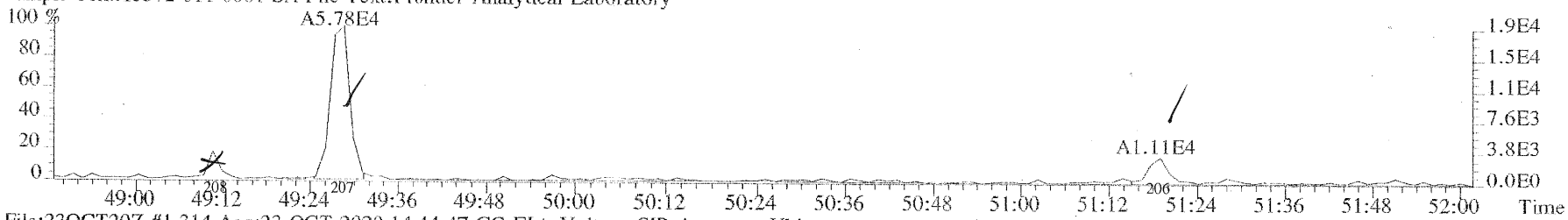
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



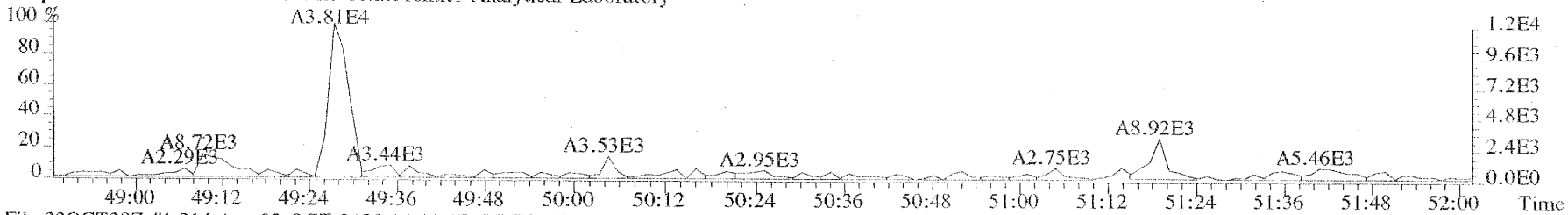
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



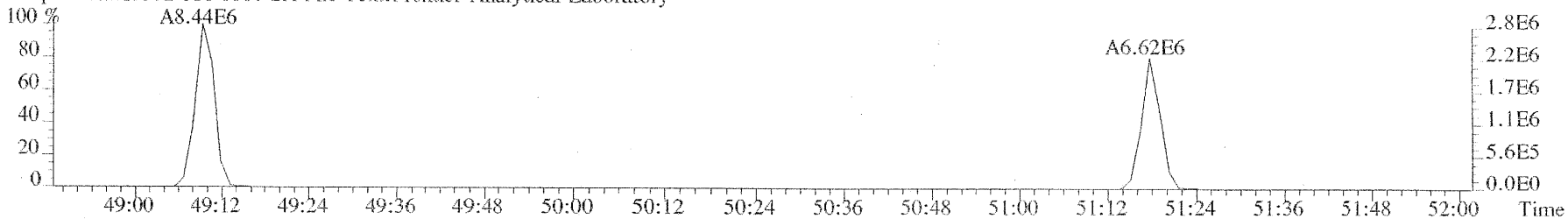
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



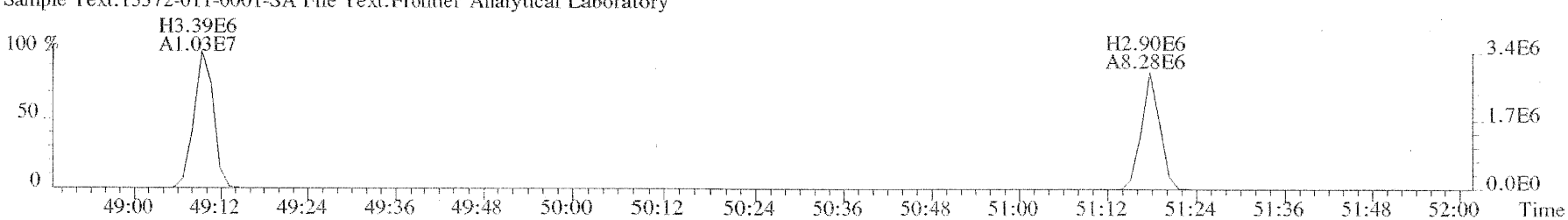
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



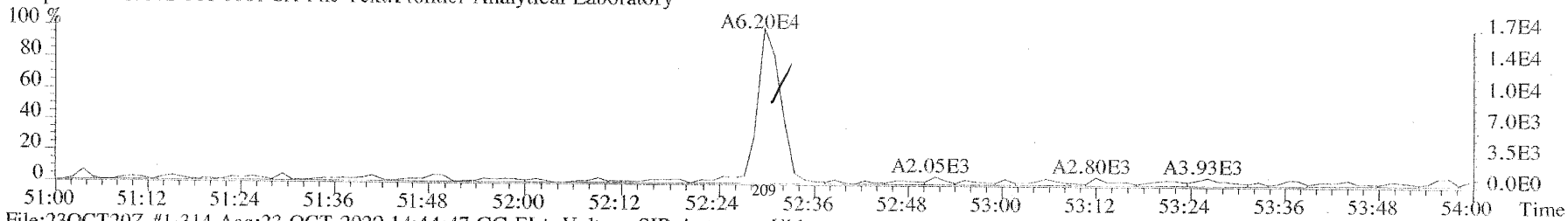
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



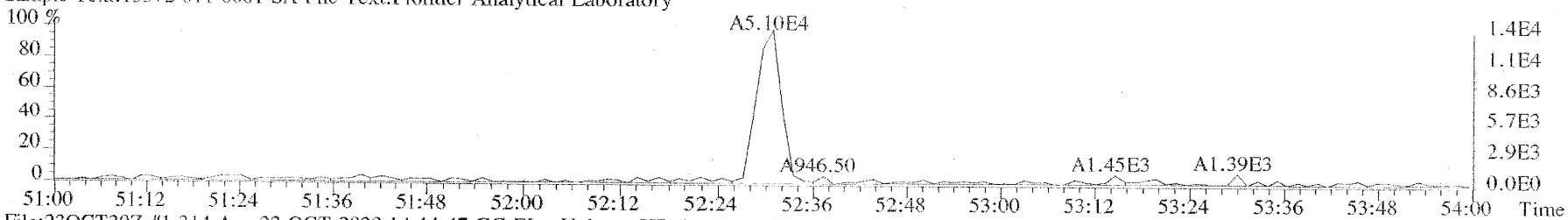
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



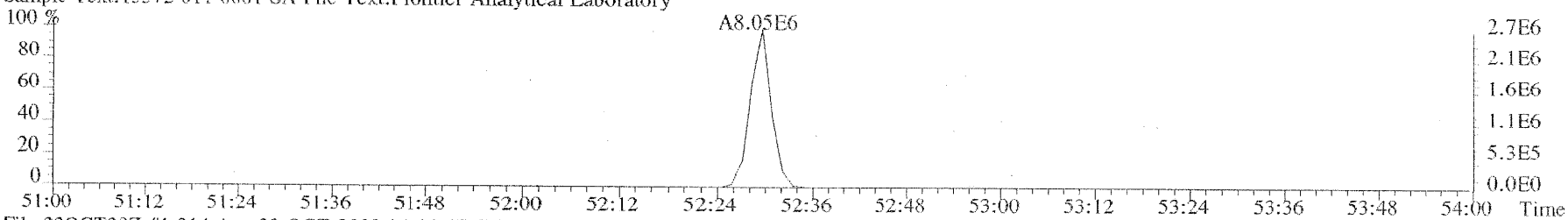
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



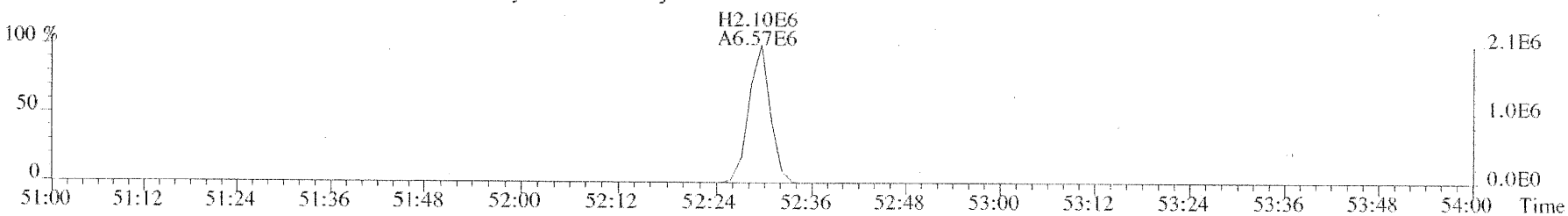
File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-011-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 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:13372-011-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 14:44:47 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:13372-011-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-014-0001-SA Filename: 23OCT20Z Sam:6 Acquired: 23-OCT-20 15:43:09 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-ENR-S010-DEP 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	3.19e+04	2.99 y	14:34	1.35	9.65	J	-	-	*			
13C-PCB-1	2.44e+07	3.28 y	14:33	0.94	7180					71.8	6.49e+06	1.98e+06
PCB-2	*	* n	NotFnd	1.44	*		1110	1000	4.75			
PCB-3	*	* n	NotFnd	1.39	*		1110	1000	5.38			
13C-PCB-3	2.37e+07	3.32 y	16:58	0.88	7450					74.5	5.43e+06	1.64e+06
PCB-4	3.49e+05	1.71 y	18:13	1.16	140		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		740	3350	7.94			
13C-PCB-4	2.14e+07	1.61 y	18:12	0.70	8460					84.6	4.13e+06	2.49e+06
PCB-9	7.94e+04	1.45 y	19:53	1.55	18.5	J	-	-	*			
PCB-7	6.36e+04	1.48 y	19:56	1.55	14.8	J	-	-	*			
PCB-6	3.71e+05	1.57 y	20:31	1.48	90.6		-	-	*			
PCB-8	1.29e+06	1.64 y	20:53	1.50	312		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		740	3350	8.99			
PCB-14	3.48e+06	1.40 y	21:56	1.53	820		-	-	*			
PCB-11	2.50e+05	1.43 y	23:04	1.39	65.0		-	-	*			
PCB-13	4.59e+04	1.46 y	23:23	1.33	12.5	J	-	-	*			
PCB-12	4.96e+04	1.53 y	23:27	1.39	12.9	J	-	-	*			
PCB-15	4.57e+05	1.50 y	23:43	1.30	104		-	-	*			
13C-PCB-15	3.39e+07	1.60 y	23:42	1.01	9260					92.6	5.28e+06	3.30e+06
PCB-19	2.67e+05	1.19 y	22:05	1.29	172		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		1930	548	9.56			
PCB-18	2.00e+06	1.11 y	23:38	1.25	1330		-	-	*			
PCB-17	9.00e+05	1.10 y	23:48	1.44	519		-	-	*			
PCB-27	1.48e+05	1.15 y	24:18	1.80	68.1		-	-	*			
PCB-24	1.62e+05	1.16 y	24:19	1.85	72.6		-	-	*			
PCB-16	7.19e+05	1.06 y	24:49	1.61	370		-	-	*			
PCB-32	8.18e+05	1.09 y	24:50	1.62	420		-	-	*			
13C-PCB-19	1.21e+07	1.12 y	22:05	0.47	7070					70.7	1.65e+06	1.54e+06
13C-PCB-9	3.62e+07	1.59 y	19:52	-	77.9							
PCB-34	*	* n	NotFnd	1.18	*		1560	1990	11.3			
PCB-23	*	* n	NotFnd	1.31	*		1560	1990	10.1			
PCB-29	*	* n	NotFnd	1.36	*		1560	1990	9.80			
PCB-26	8.19e+05	1.07 y	26:07	1.34	199		-	-	*			
PCB-25	4.39e+05	1.00 y	26:16	1.27	113		-	-	*			
PCB-31	3.64e+06	1.01 y	26:36	1.41	844		-	-	*			
PCB-28	4.21e+06	1.05 y	26:41	1.43	962		-	-	*			
PCB-20	2.25e+06	1.04 y	27:18	1.27	579		-	-	*		Co-elute PCB 21/33	
PCB-21	2.25e+06	1.04 y	27:18	1.27	579		-	-	*		Co-elute PCB 20/33	
PCB-33	2.25e+06	1.04 y	27:18	1.27	579		-	-	*		Co-elute PCB 20/21	
PCB-22	1.27e+06	1.12 y	27:42	1.33	314		-	-	*			
PCB-36	4.02e+06	1.06 y	28:17	1.37	963		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1560	1990	11.0			
PCB-38	*	* n	NotFnd	1.35	*		1560	1990	9.83			
PCB-35	6.52e+04	1.18 y	29:58	1.27	16.8	J	-	-	*			
PCB-37	6.72e+05	1.07 y	30:22	1.21	182		-	-	*			
13C-PCB-37	3.06e+07	1.07 y	30:21	1.77	9850					98.5	3.45e+06	3.23e+06

PCB-54	2.58e+04	0.67	y	25:38	1.36	10.2	J	-	-	*			
PCB-50	3.94e+04	0.86	y	26:42	1.16	18.4	J	-	-	*			
PCB-53	5.34e+05	0.73	y	27:20	1.02	282		-	-	*			
PCB-51	2.11e+05	0.67	y	27:39	1.04	110		-	-	*			
PCB-45	4.32e+05	0.74	y	28:04	0.98	238		-	-	*			
PCB-46	1.77e+05	0.73	y	28:32	0.92	104		-	-	*			
PCB-52	2.57e+06	0.79	y	28:57	1.11	1260		-	-	*	Co-elute PCB 69		
PCB-69	2.57e+06	0.79	y	28:57	1.11	1260		-	-	*	Co-elute PCB 52		
PCB-73	8.58e+04	0.73	y	29:05	1.30	35.6		-	-	*			
PCB-43	1.72e+06	0.80	y	29:15	1.00	931		-	-	*	Co-elute PCB 49		
PCB-49	1.72e+06	0.80	y	29:15	1.00	931		-	-	*	Co-elute PCB 43		
PCB-47	6.75e+05	0.78	y	29:27	0.99	366		-	-	*			
PCB-48	5.06e+05	0.82	y	29:34	1.26	216		-	-	*	Co-elute PCB 75		
PCB-75	5.06e+05	0.82	y	29:34	1.26	216		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		800	950	7.10			
PCB-62	*	*	n	NotFnd	1.19	*		800	950	8.05			
PCB-44	1.45e+06	0.79	y	30:12	0.85	922		-	-	*			
PCB-42	7.74e+05	0.77	y	30:25	1.12	374		-	-	*	Co-elute PCB 59		
PCB-59	7.74e+05	0.77	y	30:25	1.12	374		-	-	*	Co-elute PCB 42		
PCB-72	1.77e+06	0.80	y	30:59	1.22	783		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.77e+06	0.80	y	30:59	1.22	783		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.77e+06	0.80	y	30:59	1.22	783		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.77e+06	0.80	y	30:59	1.22	783		-	-	*	Co-elute PCB 72/41/71		
PCB-68	6.35e+04	0.71	y	31:11	1.32	26.0		-	-	*			
PCB-40	2.61e+05	0.74	y	31:25	0.82	173		-	-	*			
PCB-57	*	*	n	NotFnd	1.33	*		800	950	7.18			
PCB-67	9.06e+04	0.82	y	32:03	1.26	38.8		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		800	950	7.54			
PCB-63	8.53e+04	0.80	y	32:18	1.35	34.0		-	-	*			
PCB-74	8.15e+05	0.76	y	32:35	1.24	356		-	-	*			
PCB-61	1.68e+06	0.73	y	32:48	1.17	775		-	-	*	Co-elute PCB 70		
PCB-70	1.68e+06	0.73	y	32:48	1.17	775		-	-	*	Co-elute PCB 61		
PCB-76	1.60e+06	0.80	y	32:59	1.39	620		-	-	*	Co-elute PCB 66		
PCB-66	1.60e+06	0.80	y	32:59	1.39	620		-	-	*	Co-elute PCB 76		
PCB-80	5.52e+04	0.73	y	33:10	1.56	19.1	J	-	-	*			
PCB-55	1.76e+05	0.72	y	33:31	1.32	72.1		-	-	*			
13C-PCB-54	1.85e+07	0.83	y	25:36	1.32	8030					80.3	2.08e+06	2.50e+06
PCB-104	4.66e+06	1.58	y	30:03	1.23	3470		-	-	*			
PCB-96	*	*	n	NotFnd	1.20	*		404	408	6.14			
PCB-103	3.18e+04	1.49	y	31:44	1.01	29.0		-	-	*			
PCB-100	3.12e+04	1.62	y	32:06	0.94	30.6		-	-	*			
PCB-94	*	*	n	NotFnd	0.78	*		404	408	9.53			
PCB-98	*	*	n	NotFnd	0.77	*		404	408	9.54	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		404	408	9.54	Co-elute PCB 98		
PCB-95	1.09e+06	1.57	y	33:03	0.96	1030		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		404	408	7.99			
PCB-88	*	*	n	NotFnd	0.52	*		404	408	14.2	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		404	408	14.2	Co-elute PCB 88		
PCB-121	6.25e+06	1.57	y	33:31	1.08	5290		-	-	*			
13C-PCB-104	1.09e+07	1.59	y	30:02	0.96	6480					64.8	1.68e+06	1.06e+06
13C-PCB-28	3.94e+07	1.07	y	26:41	2.13	10600					106	4.87e+06	4.49e+06
13C-PCB-52	1.75e+07	0.81	y	28:56	-	81.0							

PCB-56	1.27e+06	0.81	y	33:58	1.21	429		-	-	*		Co-elute PCB 60
PCB-60	1.27e+06	0.81	y	33:58	1.21	429		-	-	*		Co-elute PCB 56
PCB-79	4.02e+04	0.76	y	35:00	1.38	11.9	J	-	-	*		
PCB-78	1.10e+07	0.79	y	35:38	1.38	3250		-	-	*		
PCB-81	7.42e+04	0.68	y	36:10	1.41	21.9		-	-	*		
13C-PCB-81	2.40e+07	0.80	y	36:07	1.78	9350					93.5	2.22e+06 2.77e+06
PCB-77	1.55e+05	0.66	y	36:41	1.17	53.2		-	-	*		
13C-PCB-77	2.50e+07	0.81	y	36:41	1.84	9440					94.4	2.30e+06 2.86e+06
PCB-155	7.70e+06	1.25	y	34:13	1.14	5470		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		744	496	10.0		
PCB-152	*	*	n	NotFnd	1.15	*		744	496	9.28		
PCB-145	*	*	n	NotFnd	1.06	*		744	496	10.0		
PCB-136	2.25e+05	1.20	y	36:36	1.05	173		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		744	496	11.6		
PCB-154	3.95e+04	1.10	y	37:09	0.93	34.4		-	-	*		
13C-PCB-155	1.23e+07	1.30	y	34:12	1.26	6770					67.7	1.65e+06 1.25e+06
13C-PCB-111	1.71e+07	1.63	y	36:16	1.32	8990					89.9	2.34e+06 1.48e+06
13C-PCB-101	1.44e+07	1.60	y	34:39	-	81.9						
PCB-84	7.44e+05	1.77	y	34:17	0.74	440		-	-	*		Co-elute PCB 92
PCB-92	7.44e+05	1.77	y	34:17	0.74	440		-	-	*		Co-elute PCB 84
PCB-89	2.90e+04	1.36	y	34:28	0.77	16.6	J	-	-	*		
PCB-90	1.58e+06	1.54	y	34:39	0.80	863		-	-	*		Co-elute PCB 101
PCB-101	1.58e+06	1.54	y	34:39	0.80	863		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		940	960	10.7		
PCB-99	7.31e+05	1.57	y	34:59	0.92	347		-	-	*		
PCB-119	6.59e+04	1.54	y	35:25	1.06	27.3		-	-	*		
PCB-83	8.01e+04	1.37	y	35:34	0.83	42.2		-	-	*		Co-elute PCB 112
PCB-112	8.01e+04	1.37	y	35:34	0.83	42.2		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		940	960	9.78		
PCB-97	3.81e+05	1.54	y	35:53	0.68	246		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		940	960	14.0		
PCB-125	5.73e+05	1.56	y	36:10	0.92	272		-	-	*		Co-elute PCB 87/117
PCB-87	5.73e+05	1.56	y	36:10	0.92	272		-	-	*		Co-elute PCB 125/117
PCB-117	5.73e+05	1.56	y	36:10	0.92	272		-	-	*		Co-elute PCB 125/87
PCB-111	4.60e+04	1.69	y	36:20	0.99	20.3		-	-	*		Co-elute PCB 115
PCB-115	4.60e+04	1.69	y	36:20	0.99	20.3		-	-	*		Co-elute PCB 111
PCB-85	2.20e+05	1.54	y	36:25	0.92	105		-	-	*		Co-elute PCB 116
PCB-116	2.20e+05	1.54	y	36:25	0.92	105		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		940	960	8.48		
PCB-110	1.72e+06	1.52	y	36:47	0.99	757		-	-	*		
PCB-82	1.23e+05	1.38	y	37:23	0.65	83.1		-	-	*		
PCB-124	7.16e+04	1.76	y	38:03	1.25	25.0		-	-	*		
PCB-108	1.23e+05	1.54	y	38:11	1.23	44.0		-	-	*		Co-elute PCB 107
PCB-107	1.23e+05	1.54	y	38:11	1.23	44.0		-	-	*		Co-elute PCB 108
PCB-123	3.67e+04	1.68	y	38:19	1.19	14.0	J	-	-	*		
13C-PCB-123	2.21e+07	1.60	y	38:19	1.42	9640					96.4	3.23e+06 1.96e+06
PCB-118	1.41e+06	1.58	y	38:31	1.22	489		-	-	*		Co-elute PCB 106
PCB-106	1.41e+06	1.58	y	38:31	1.22	489		-	-	*		Co-elute PCB 118
13C-PCB-118	2.36e+07	1.62	y	38:29	1.59	9240					92.4	3.24e+06 2.03e+06
PCB-114	4.92e+04	1.54	y	39:07	1.18	17.8	J	-	-	*		
13C-PCB-114	2.33e+07	1.64	y	39:07	1.50	9680					96.8	3.12e+06 1.90e+06
PCB-122	*	*	n	NotFnd	1.30	*		864	1070	7.42		
PCB-105	5.09e+05	1.52	y	39:56	1.36	167		-	-	*		
13C-PCB-105	2.24e+07	1.60	y	39:56	1.52	9160					91.6	2.92e+06 1.75e+06

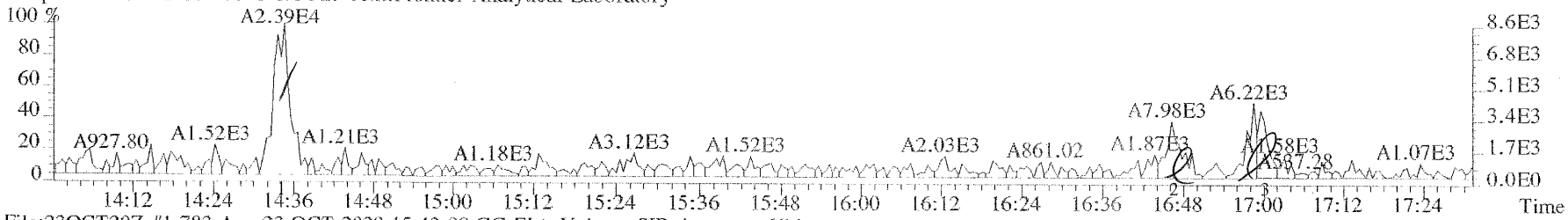
PCB-127	*	*	n	NotFnd	1.27	*	864	1070	7.58				
PCB-126	*	*	n	NotFnd	1.23	*	864	1070	8.35				
13C-PCB-126	2.22e+07	1.56	y	42:03	1.36	10200				102	2.91e+06	1.82e+06	
PCB-151	4.30e+05	1.31	y	37:46	1.14	230	-	-	*				
PCB-135	2.25e+05	1.21	y	38:00	1.05	131	-	-	*				
PCB-144	8.32e+04	1.39	y	38:04	1.17	43.4	-	-	*				
PCB-147	4.49e+04	1.08	y	38:14	1.24	22.0	-	-	*				
PCB-139	1.36e+06	1.24	y	38:28	1.14	728	-	-	*		Co-elute PCB 149		
PCB-149	1.36e+06	1.24	y	38:28	1.14	728	-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.27	*	940	810	9.45				
PCB-143	9.14e+04	1.09	y	39:04	1.00	55.7	-	-	*		Co-elute PCB 134		
PCB-134	9.14e+04	1.09	y	39:04	1.00	55.7	-	-	*		Co-elute PCB 143		
PCB-131	4.65e+04	1.30	y	39:19	1.00	28.4	-	-	*		Co-elute PCB 133		
PCB-133	4.65e+04	1.30	y	39:19	1.00	28.4	-	-	*		Co-elute PCB 131		
PCB-142	1.35e+06	1.25	y	39:28	1.05	782	-	-	*				
PCB-165	2.36e+05	1.24	y	39:42	1.30	111	-	-	*		Co-elute PCB 146		
PCB-146	2.36e+05	1.24	y	39:42	1.30	111	-	-	*		Co-elute PCB 165		
PCB-161	4.04e+05	1.22	y	39:56	1.24	198	-	-	*		Co-elute PCB 132		
PCB-132	4.04e+05	1.22	y	39:56	1.24	198	-	-	*		Co-elute PCB 161		
PCB-153	1.48e+06	1.29	y	40:05	1.40	643	-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*	940	810	8.65				
PCB-141	1.97e+05	1.16	y	40:47	1.13	106	-	-	*				
PCB-137	3.88e+04	1.13	y	41:09	1.01	23.3	-	-	*				
PCB-130	6.82e+04	1.39	y	41:14	1.05	39.5	-	-	*				
PCB-138	1.23e+06	1.29	y	41:35	1.25	599	-	-	*		Co-elute PCB 163/164		
PCB-163	1.23e+06	1.29	y	41:35	1.25	599	-	-	*		Co-elute PCB 138/164		
PCB-164	1.23e+06	1.29	y	41:35	1.25	599	-	-	*		Co-elute PCB 138/163		
PCB-158	1.49e+05	1.16	y	41:48	1.42	63.9	-	-	*		Co-elute PCB 160		
PCB-160	1.49e+05	1.16	y	41:48	1.42	63.9	-	-	*		Co-elute PCB 158		
PCB-129	5.33e+04	1.18	y	42:03	0.99	32.6	-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*	940	810	8.43				
PCB-159	*	*	n	NotFnd	1.53	*	940	810	7.84				
PCB-128	1.65e+05	1.27	y	43:04	1.14	88.2	-	-	*		Co-elute PCB 162		
PCB-162	1.65e+05	1.27	y	43:04	1.14	88.2	-	-	*		Co-elute PCB 128		
PCB-167	4.85e+04	1.36	y	43:25	1.33	21.6	-	-	*				
13C-PCB-167	1.69e+07	1.27	y	43:25	1.16	9080				90.8	2.02e+06	1.56e+06	
PCB-156	8.80e+04	1.41	y	44:40	1.40	40.2	-	-	*				
13C-PCB-156	1.57e+07	1.22	y	44:40	1.13	8630				86.3	1.86e+06	1.45e+06	
PCB-157	*	*	n	NotFnd	1.26	*	940	810	9.61				
13C-PCB-157	1.67e+07	1.29	y	44:54	1.14	9070				90.7	2.05e+06	1.57e+06	
PCB-169	*	*	n	NotFnd	1.22	*	940	810	8.46				
13C-PCB-169	1.64e+07	1.28	y	46:46	1.04	9810				98.1	2.38e+06	1.85e+06	

FAL ID: 13372-014-0001-SA Filename: 23OCT20Z Sam:6 Acquired: 23-OCT-20 15:43:09 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-ENR-S010-DEP ConCal: ST102320Z1 EndCal: ST102320Z2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

PCB-188	3.26e+04	1.11	y	39:43	1.19	22.1		-	-	*			
13C-PCB-188	1.24e+07	1.06	y	39:42	1.06	7230					72.3	1.48e+06	1.43e+06
PCB-184	9.45e+06	1.06	y	40:08	1.38	5570		-	-	*			
PCB-179	1.33e+05	1.00	y	40:52	1.38	78.7		-	-	*			
PCB-176	5.01e+04	1.10	y	41:20	1.33	30.6		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		610	560	7.29			
PCB-178	4.91e+04	1.01	y	42:21	0.95	42.2		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		610	560	9.31			
PCB-187	2.53e+05	1.12	y	42:51	1.04	197		-	-	*		Co-elute PCB 182	
PCB-182	2.53e+05	1.12	y	42:51	1.04	197		-	-	*		Co-elute PCB 187	
PCB-183	1.31e+05	1.09	y	43:09	1.07	99.1		-	-	*			
PCB-185	*	*	n	NotFnd	0.88	*		610	560	10.3			
PCB-174	1.62e+05	1.08	y	44:08	0.94	140		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		610	560	9.84			
PCB-177	8.97e+04	1.05	y	44:23	0.90	80.6		-	-	*			
PCB-171	4.68e+04	1.12	y	44:40	0.96	39.6		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		610	560	10.8			
PCB-172	1.35e+05	1.18	y	45:26	0.90	122		-	-	*			
PCB-192	6.40e+06	1.05	y	45:37	1.07	4850		-	-	*			
PCB-180	2.72e+05	0.93	y	45:49	0.86	258		-	-	*			
PCB-193	3.62e+04	1.20	y	45:57	1.19	24.6		-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		610	560	7.65			
PCB-170	9.57e+04	1.12	y	47:06	0.86	90.2		-	-	*			
PCB-190	4.20e+04	1.17	y	47:16	1.17	29.2		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		610	560	7.00			
13C-PCB-189	1.22e+07	1.09	y	48:27	0.86	8800					88.0	1.89e+06	1.70e+06
PCB-202	*	*	n	NotFnd	1.11	*		372	340	7.58			
PCB-201	*	*	n	NotFnd	1.27	*		372	340	6.67			
PCB-204	1.28e+07	0.90	y	45:26	1.28	11100		-	-	*			
PCB-197	7.41e+04	0.87	y	45:42	1.20	68.2		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		372	340	6.74			
PCB-198	*	*	n	NotFnd	0.90	*		372	340	9.43			
PCB-199	3.93e+04	0.95	y	47:42	0.85	50.9		-	-	*			
PCB-203	4.84e+04	0.83	y	47:59	0.95	56.1		-	-	*		Co-elute PCB 196	
PCB-196	4.84e+04	0.83	y	47:59	0.95	56.1		-	-	*		Co-elute PCB 203	
13C-PCB-202	9.09e+06	0.90	y	44:49	0.77	7370					73.7	9.84e+05	1.12e+06
13C-PCB-178	1.00e+07	1.09	y	42:20	0.76	8250					82.5	1.15e+06	1.10e+06
13C-PCB-138	1.61e+07	1.25	y	41:34	-	81.1							
PCB-195	3.17e+04	0.98	y	49:04	0.94	16.8	J	-	-	*			
PCB-194	7.72e+04	0.88	y	49:52	1.03	37.2		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		1200	1610	8.52			
13C-PCB-205	2.02e+07	0.90	y	50:06	1.30	8400					84.0	3.32e+06	3.73e+06
PCB-208	*	*	n	NotFnd	1.16	*		496	640	5.17			
13C-PCB-208	1.57e+07	0.82	y	49:09	1.13	7580					75.8	2.13e+06	2.59e+06
PCB-207	7.95e+04	1.50	y	49:29	1.39	41.6		-	-	*			
PCB-206	2.04e+04	1.18	y	51:20	1.17	14.9	J	-	-	*			
13C-PCB-206	1.17e+07	0.81	y	51:18	0.85	7460					74.6	1.55e+06	1.99e+06
PCB-209	7.77e+04	1.09	y	52:31	1.24	54.0		-	-	*			
13C-PCB-209	1.17e+07	1.22	y	52:30	0.88	7200					72.0	2.02e+06	1.66e+06
13C-PCB-194	1.85e+07	0.92	y	49:50	-	92.9							

Analyst: _____ Date: 10/28/21

File:23OCT20Z #1-783 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



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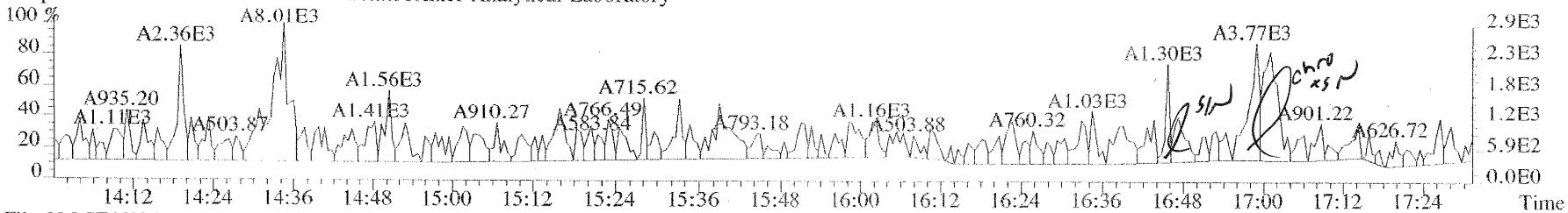
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



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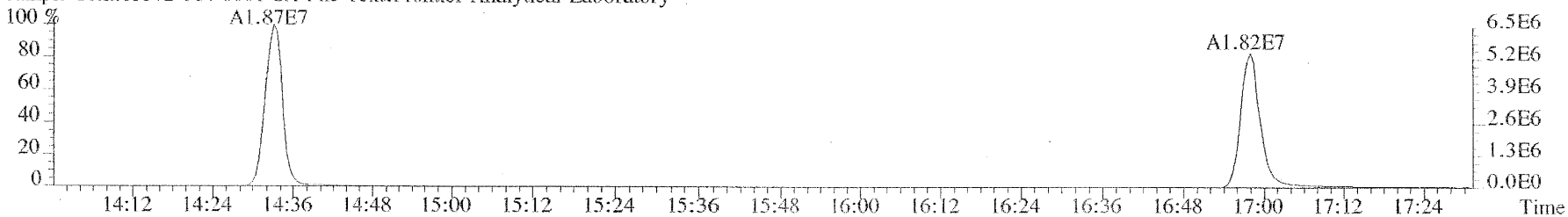
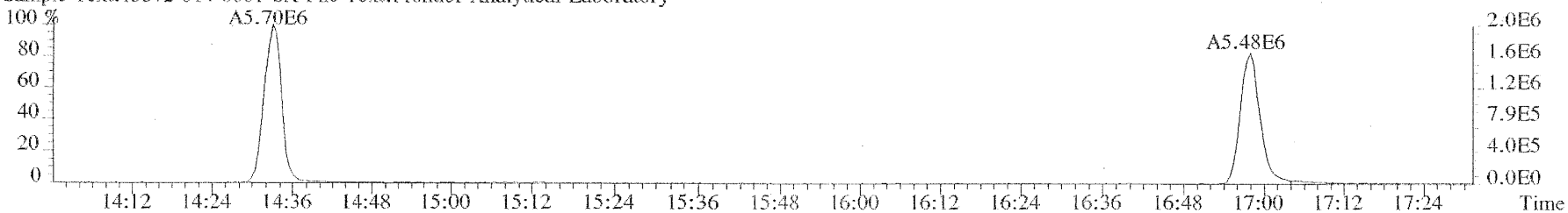
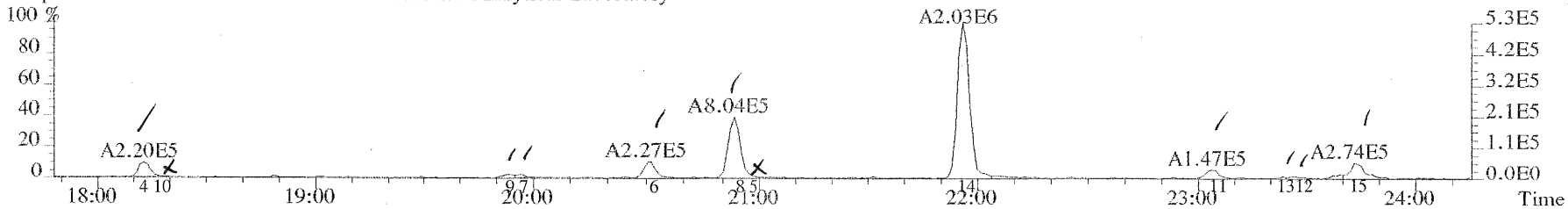
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



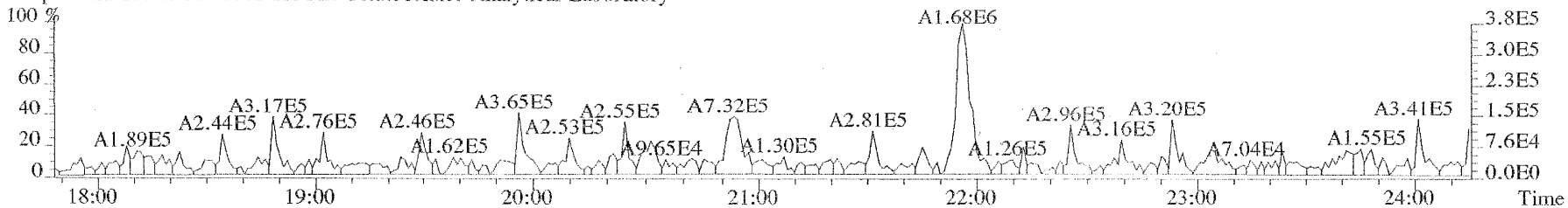
File:23OCT20Z #1-783 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



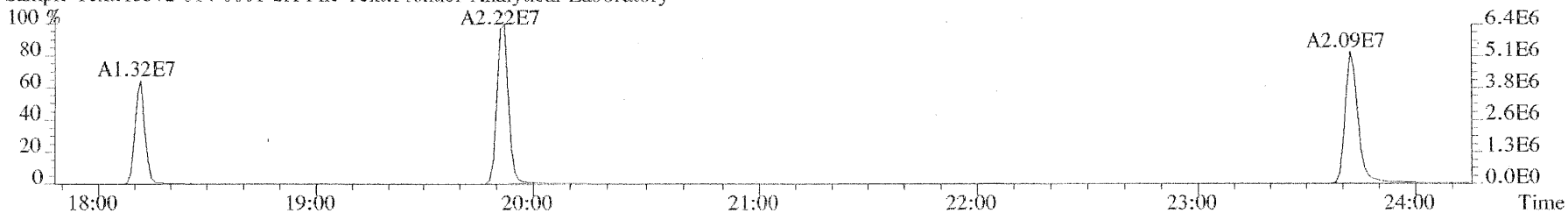
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



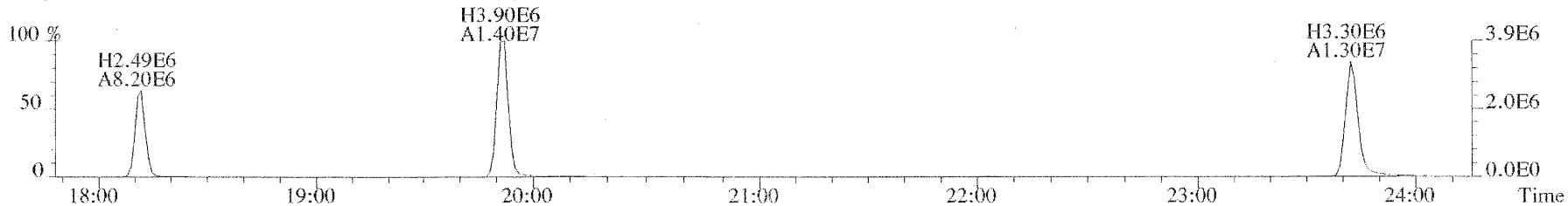
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



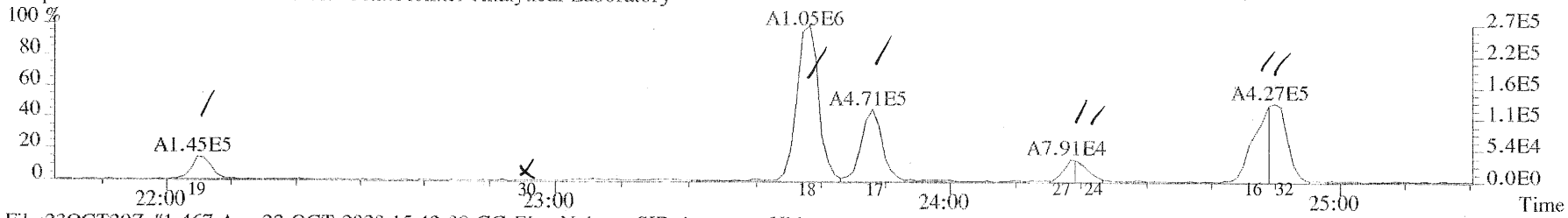
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



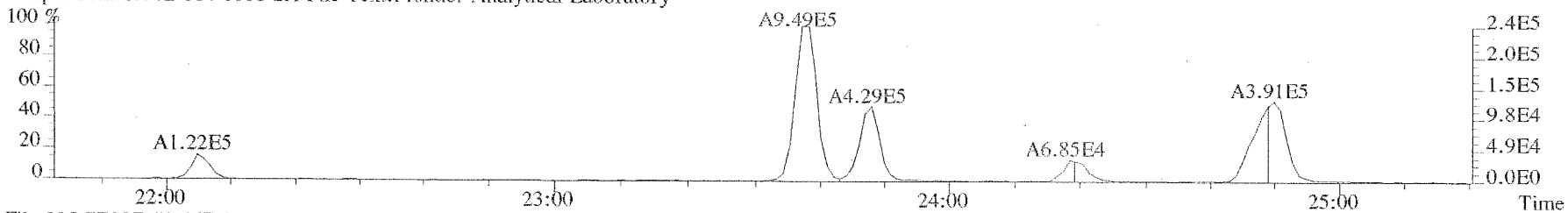
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



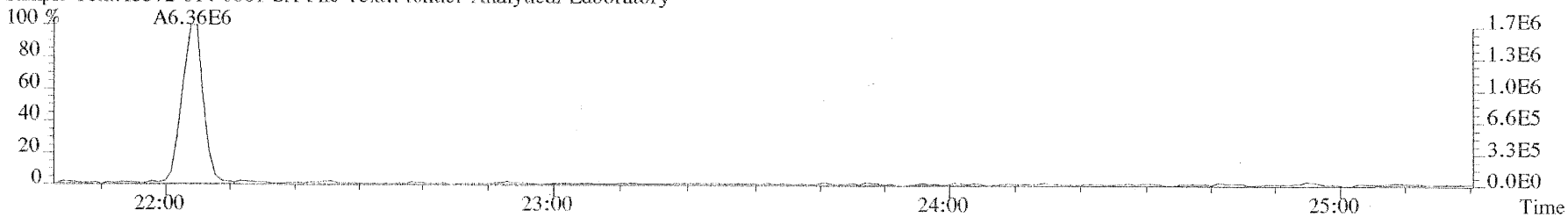
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



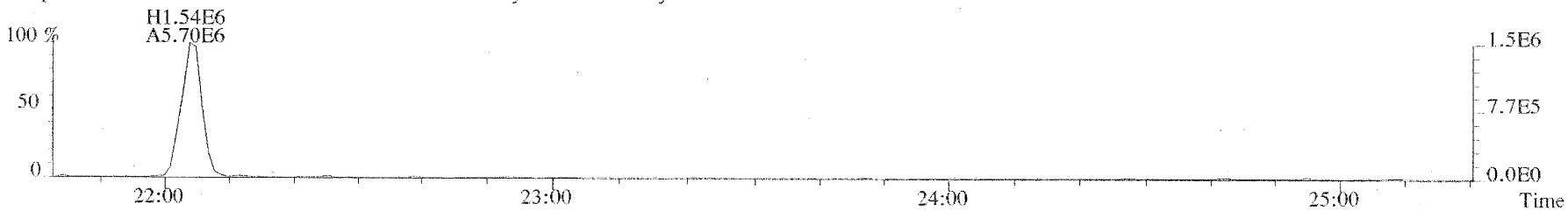
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



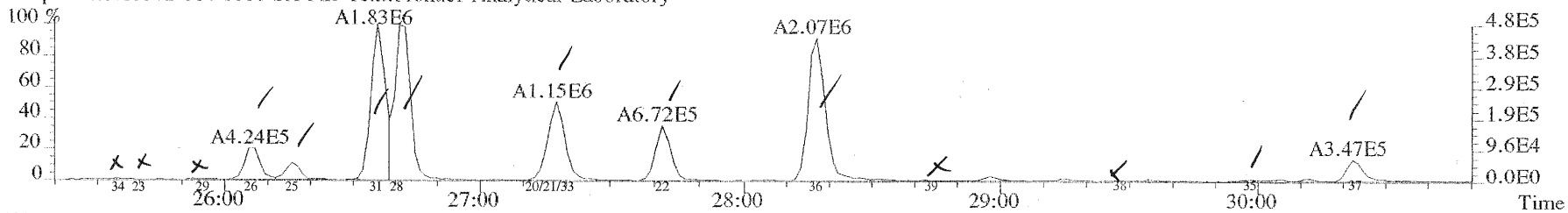
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



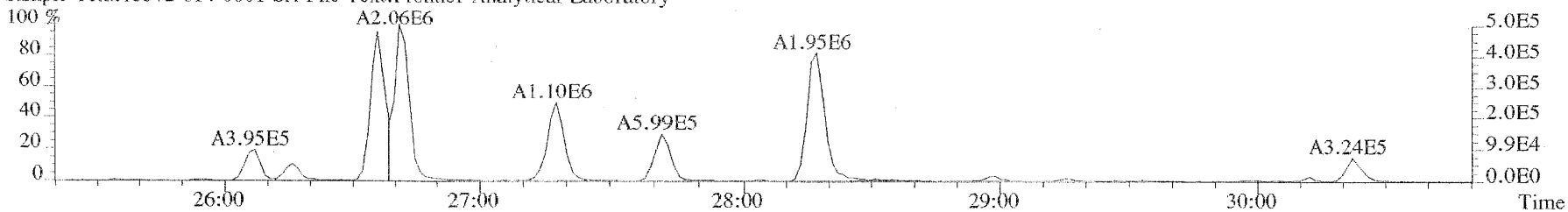
File:23OCT20Z #1-467 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



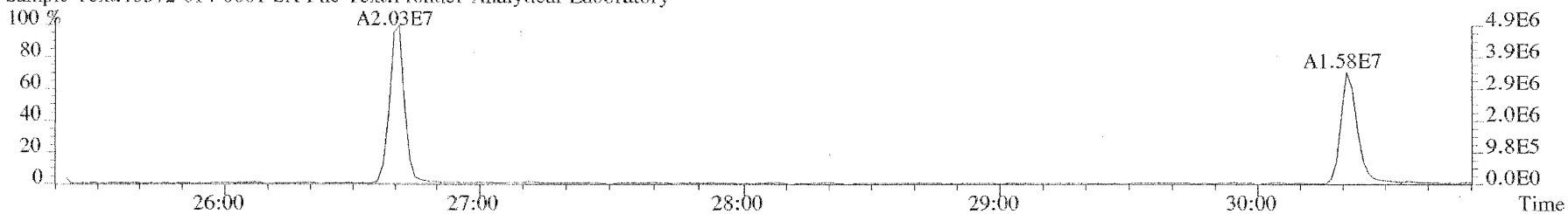
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



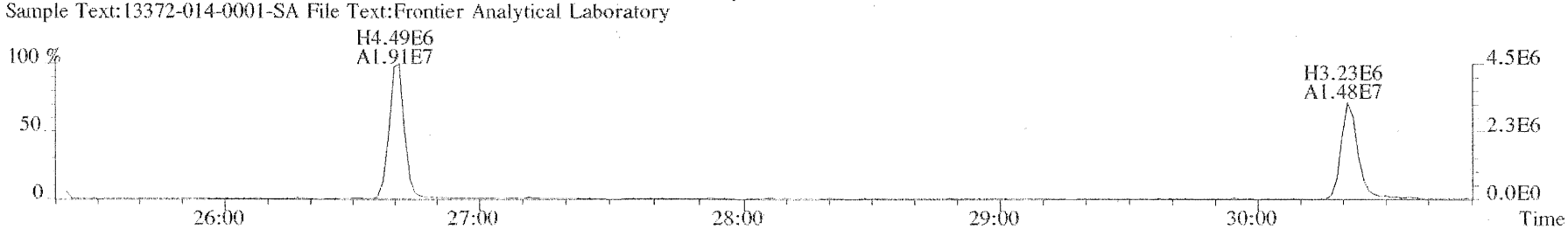
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



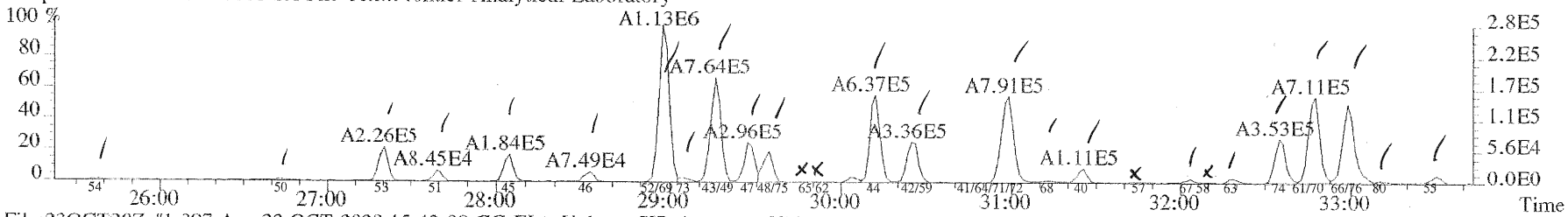
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



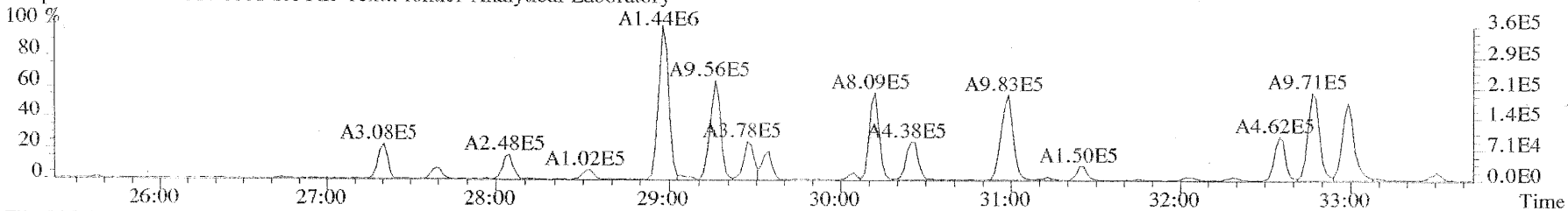
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



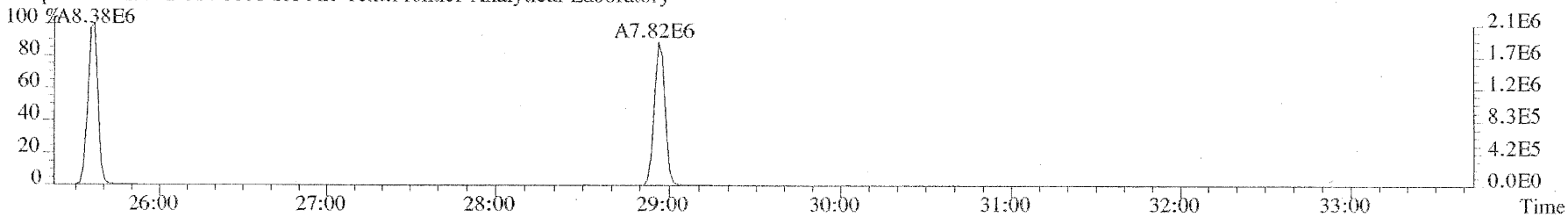
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



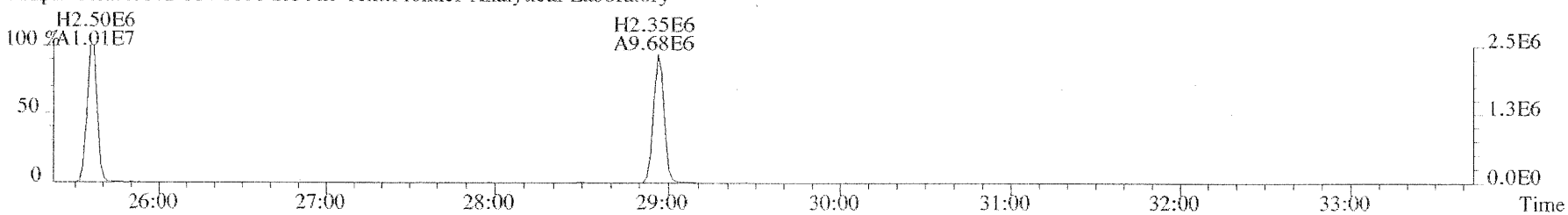
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



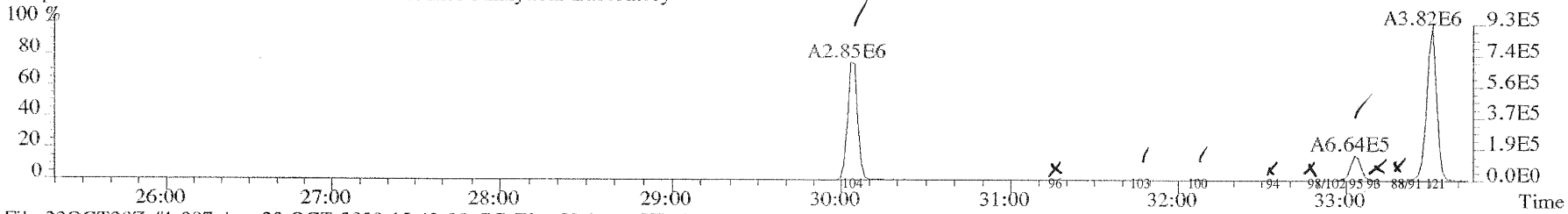
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



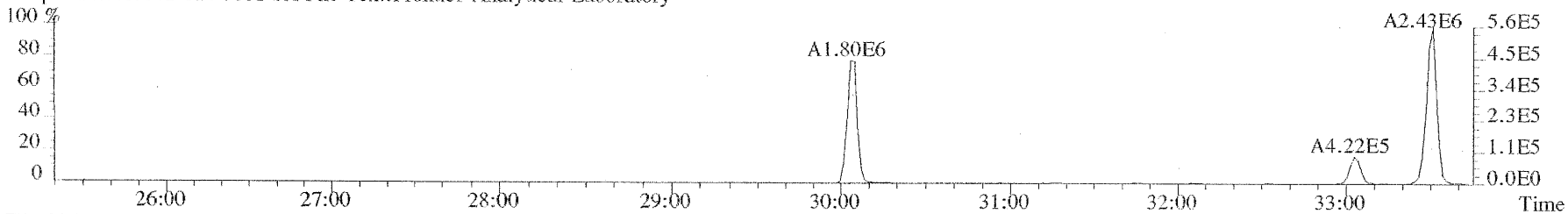
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



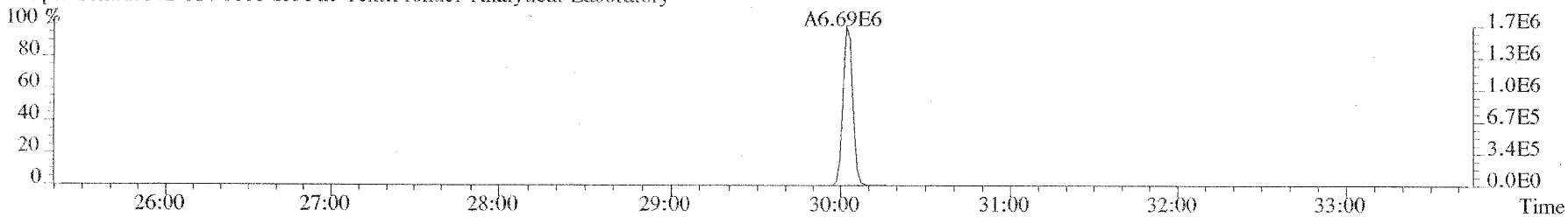
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



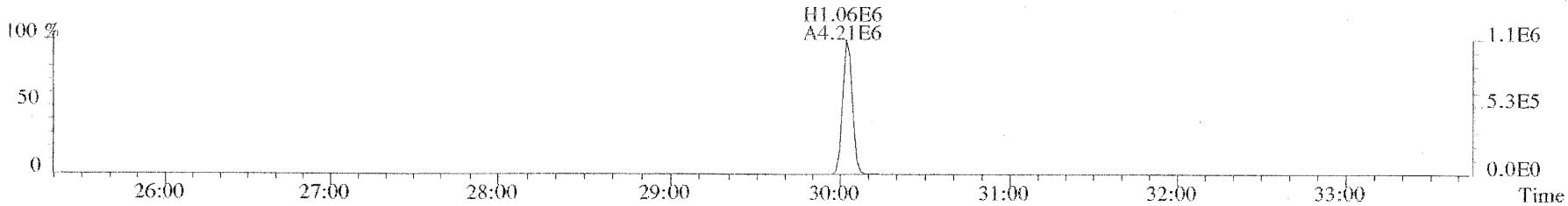
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



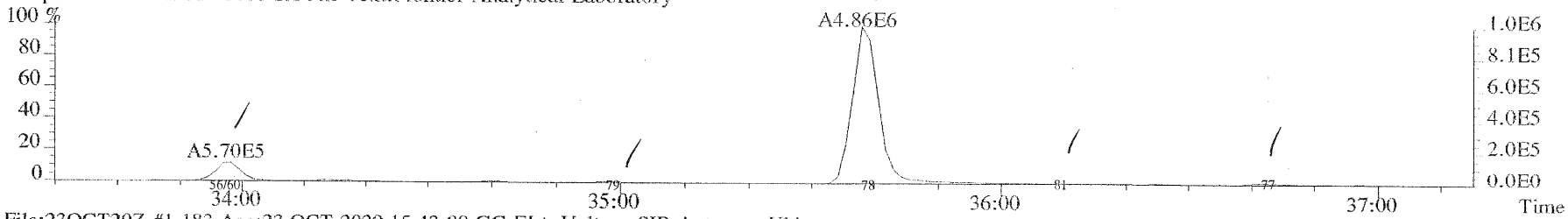
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



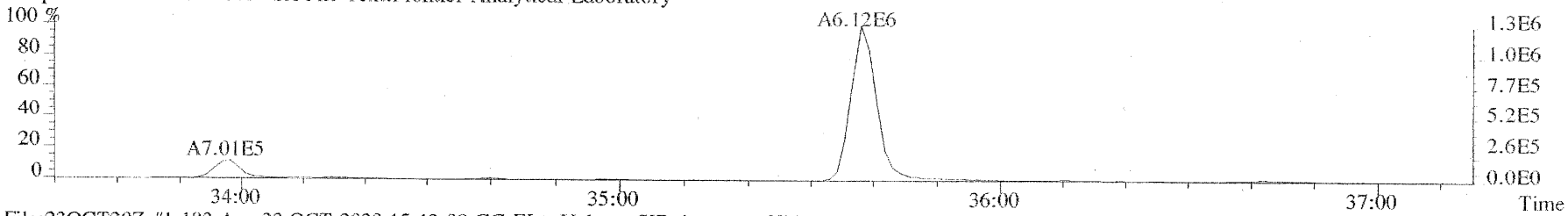
File:23OCT20Z #1-397 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



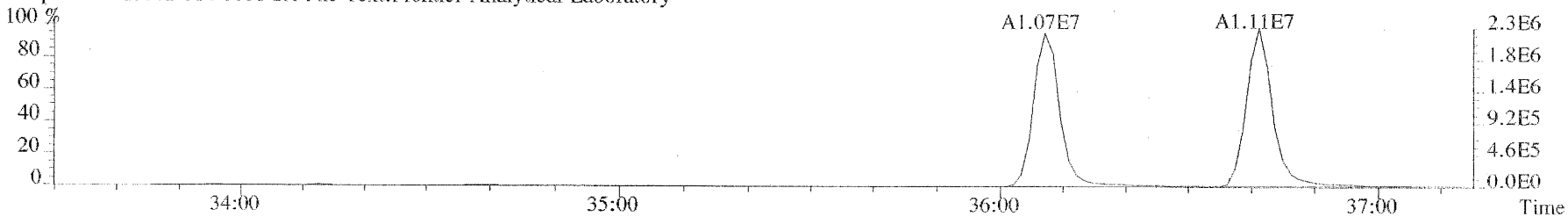
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



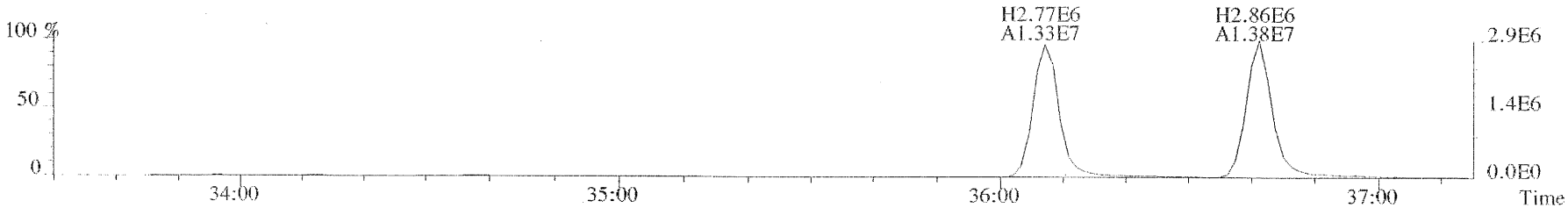
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



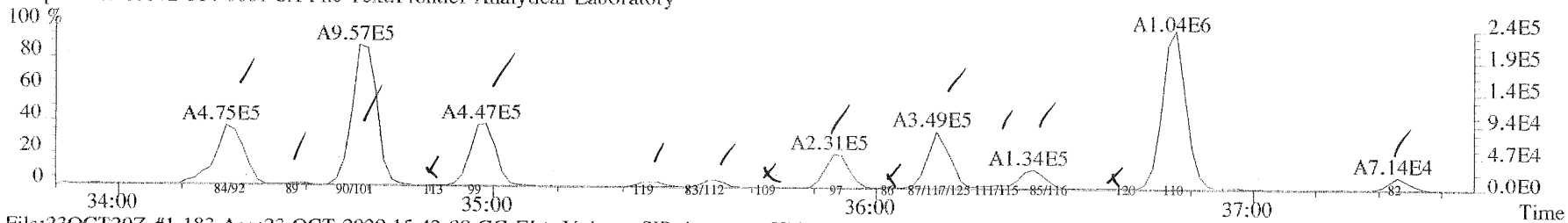
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



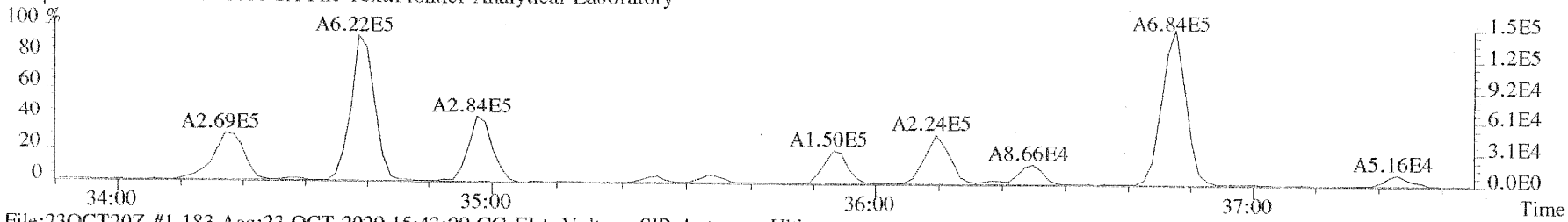
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



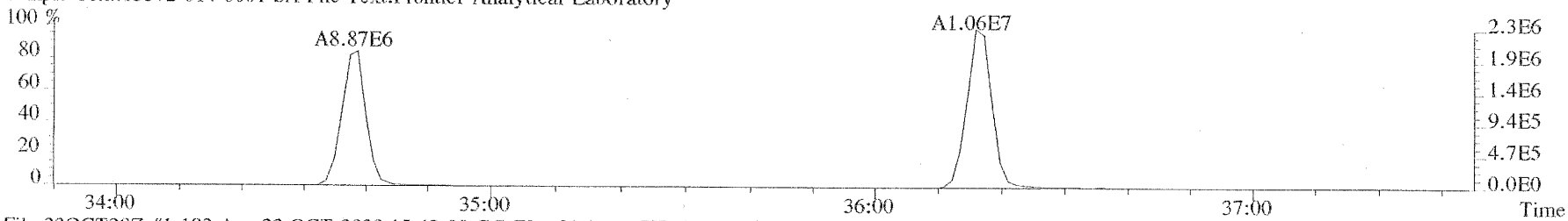
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



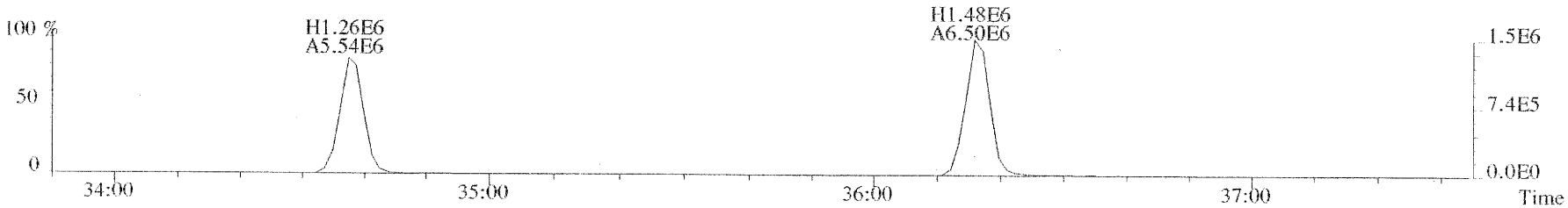
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



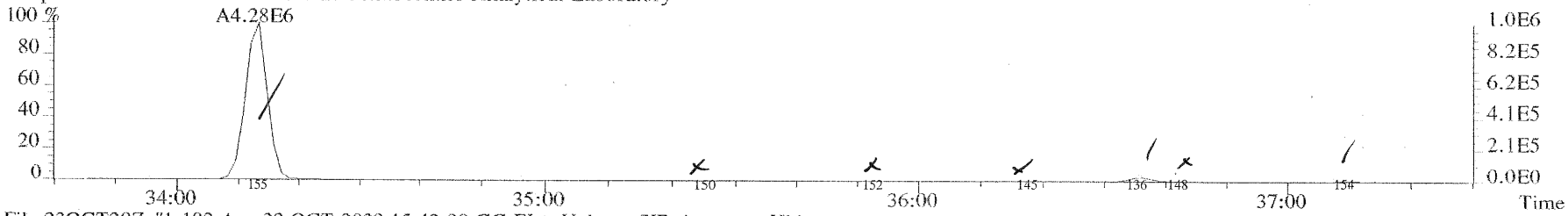
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



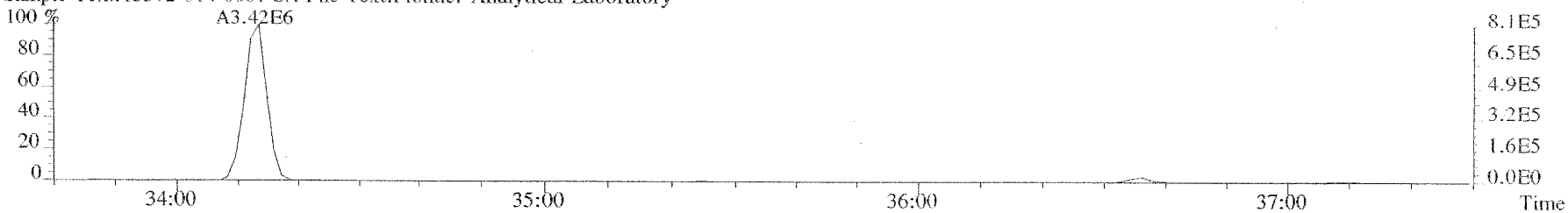
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



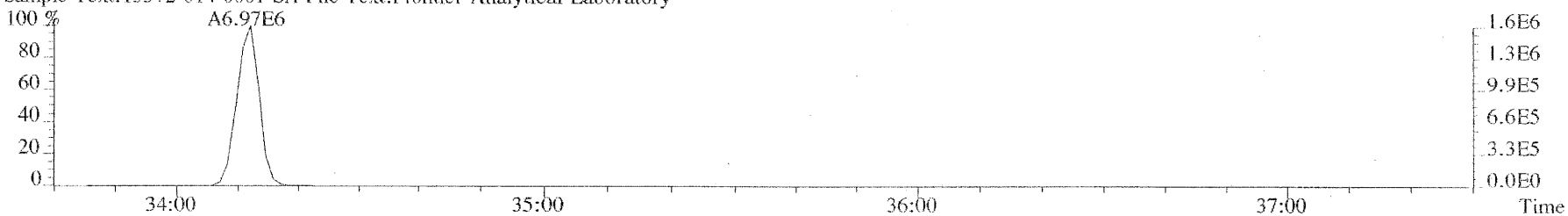
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



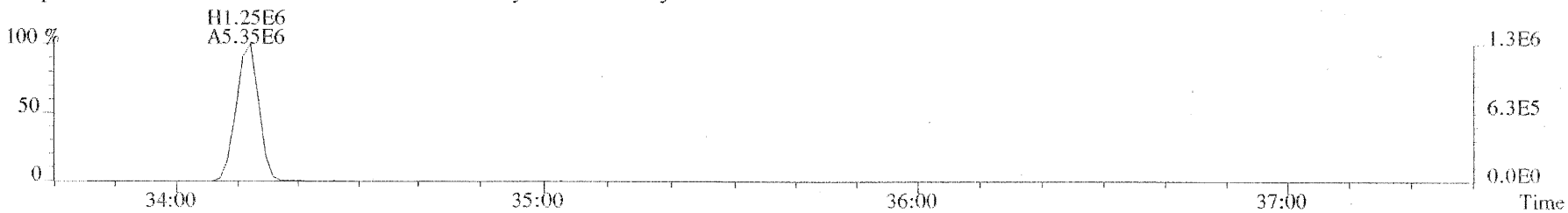
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



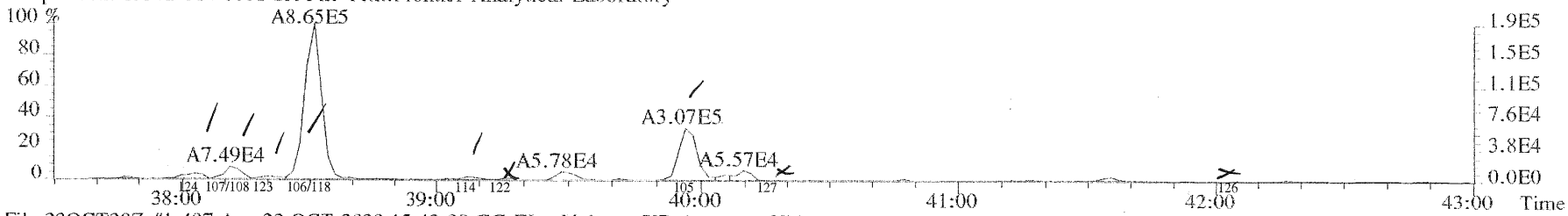
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



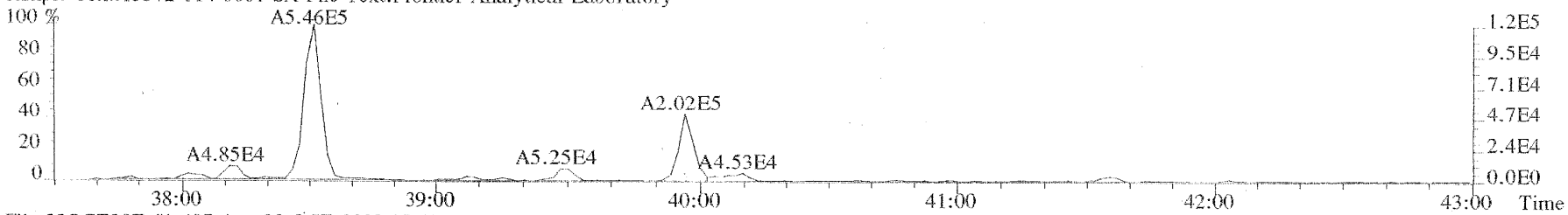
File:23OCT20Z #1-183 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



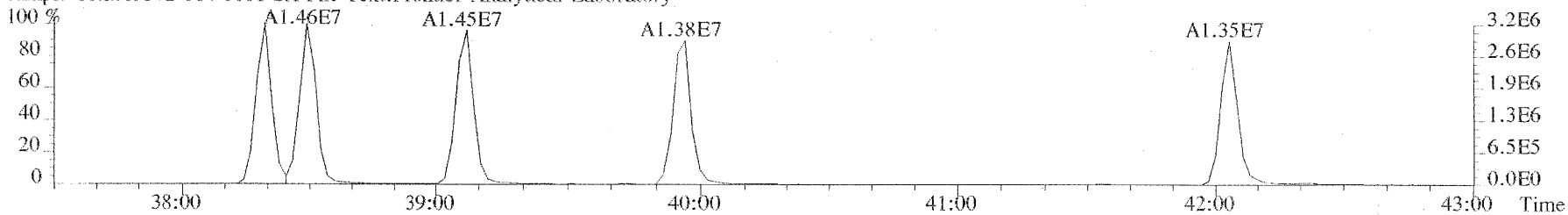
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



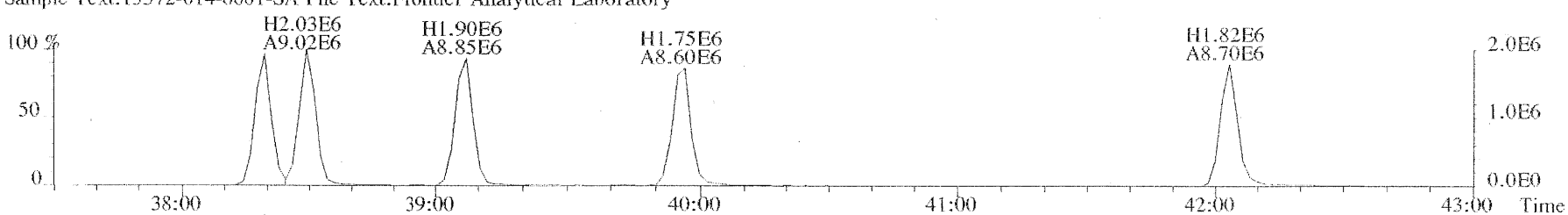
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



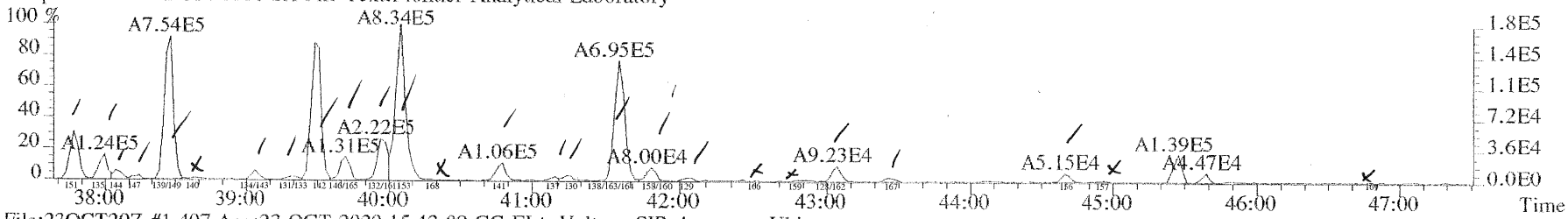
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



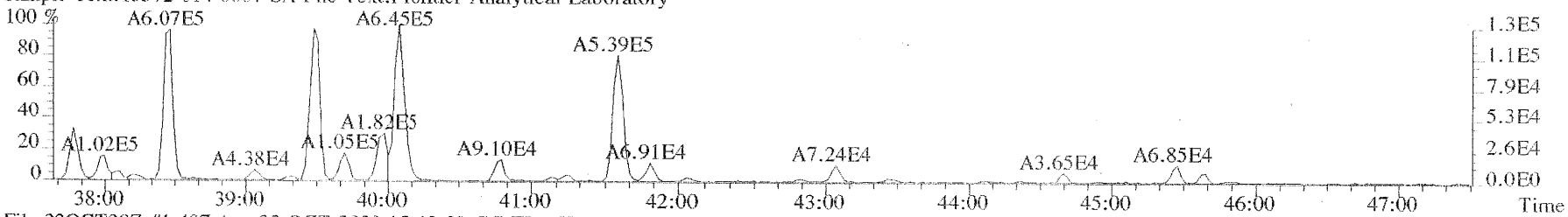
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



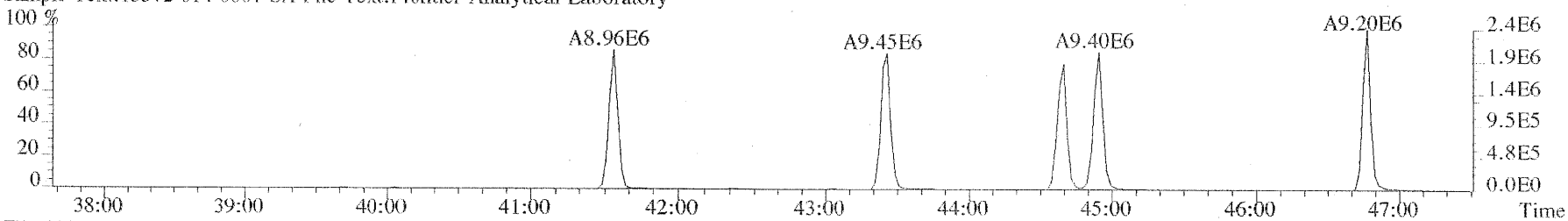
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



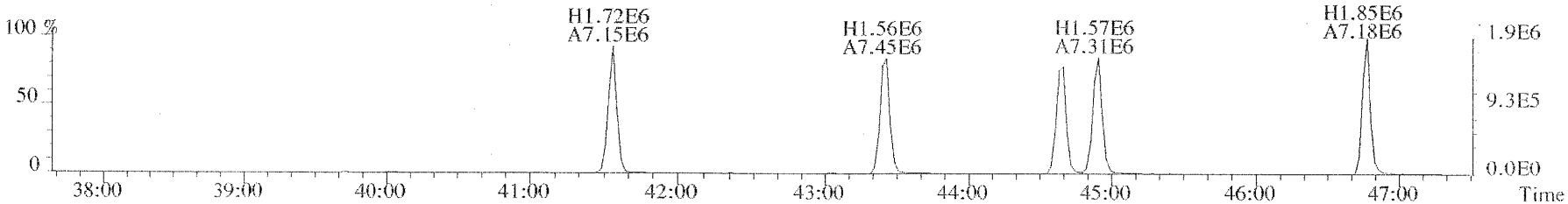
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



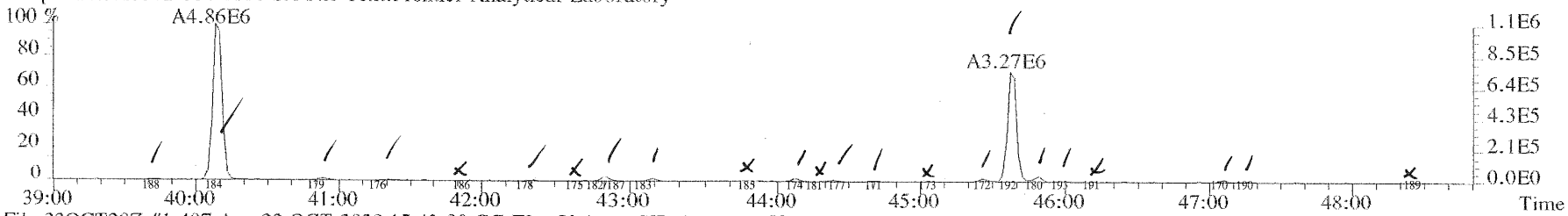
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



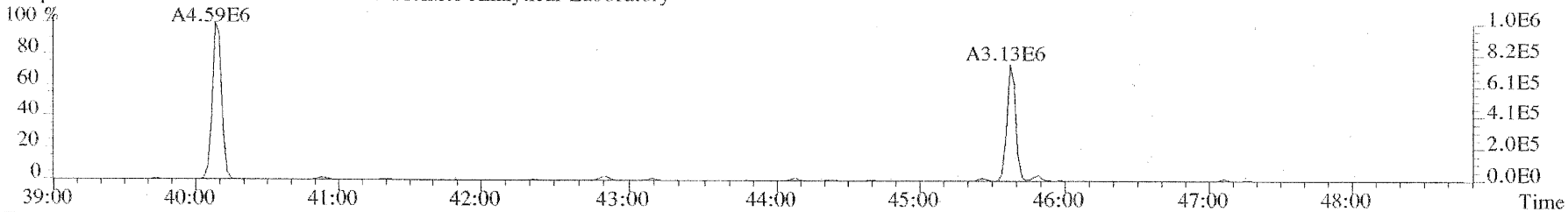
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



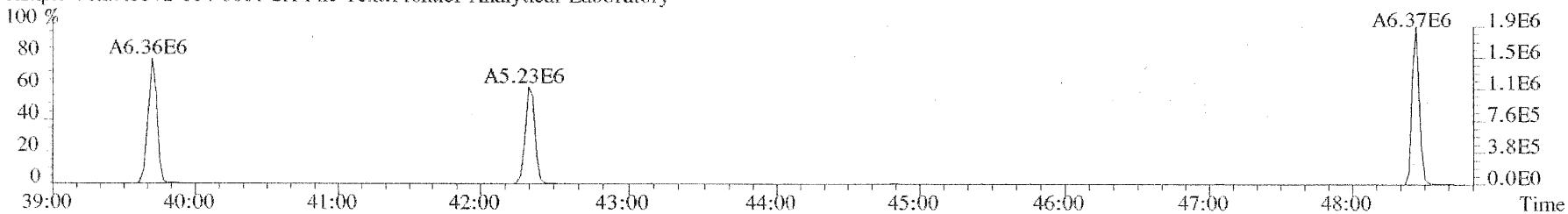
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



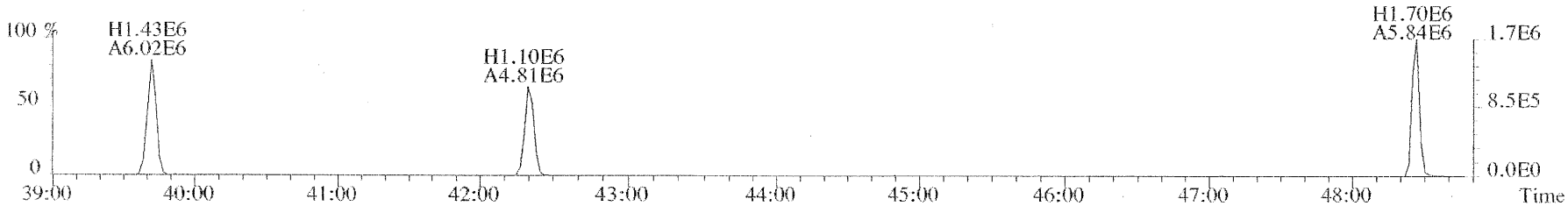
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



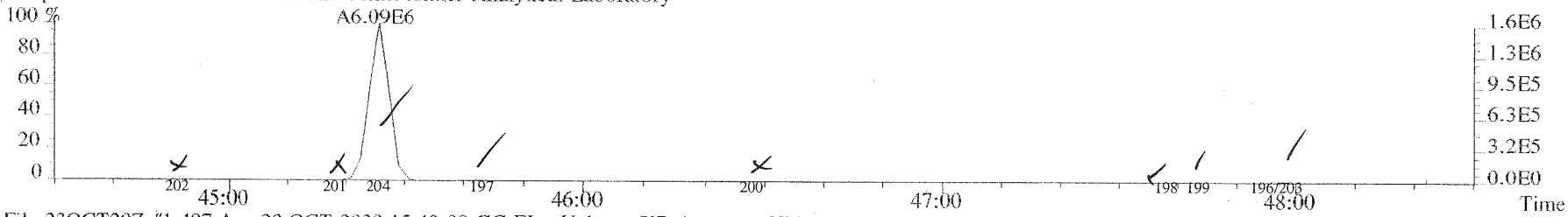
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



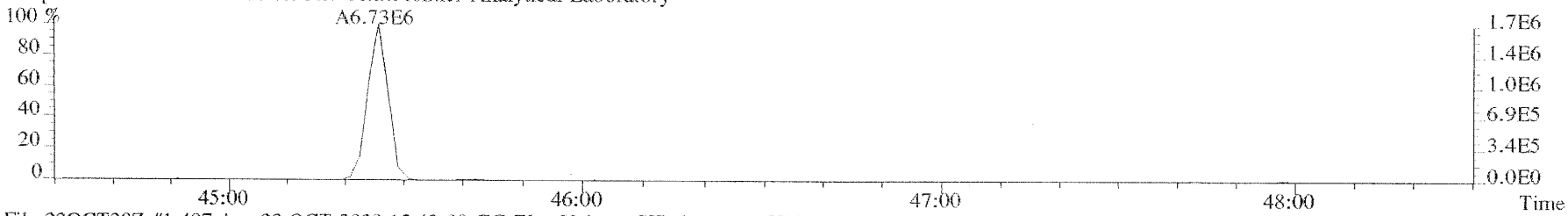
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



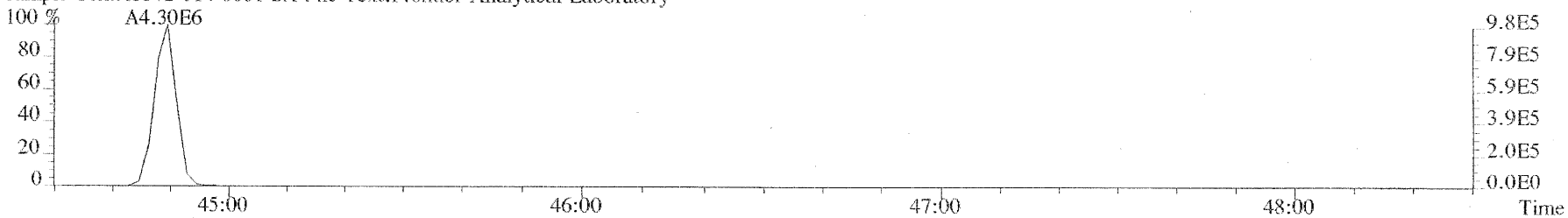
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



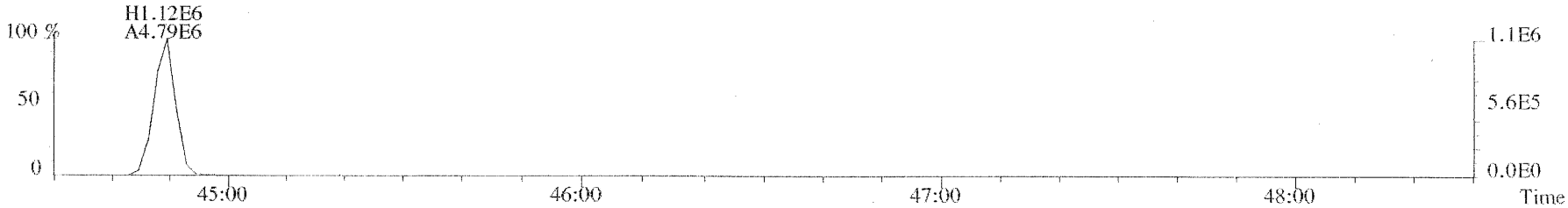
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



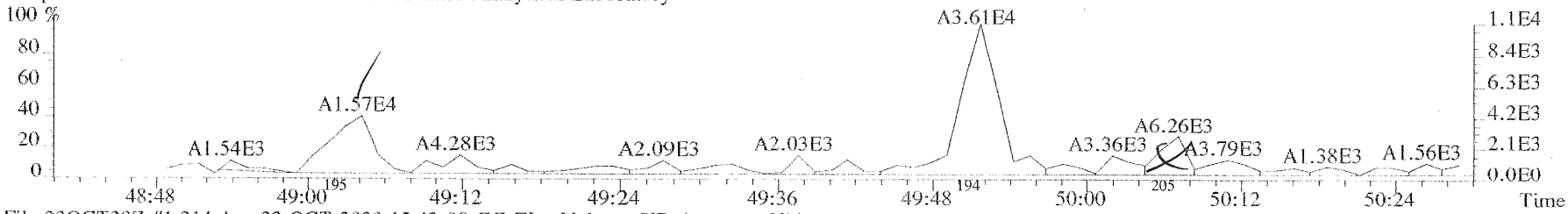
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



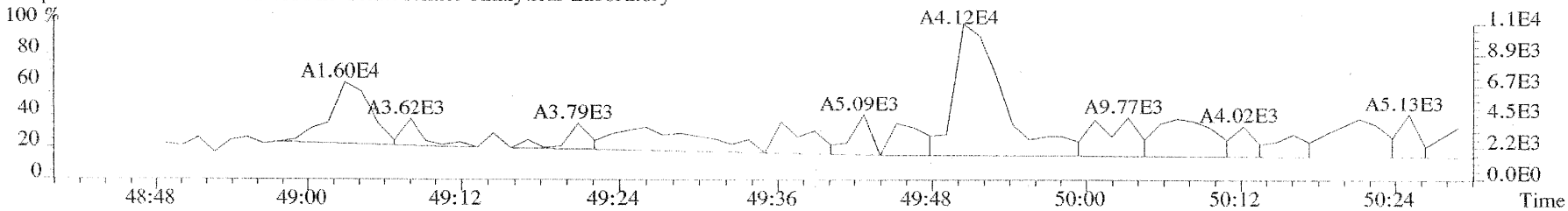
File:23OCT20Z #1-407 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



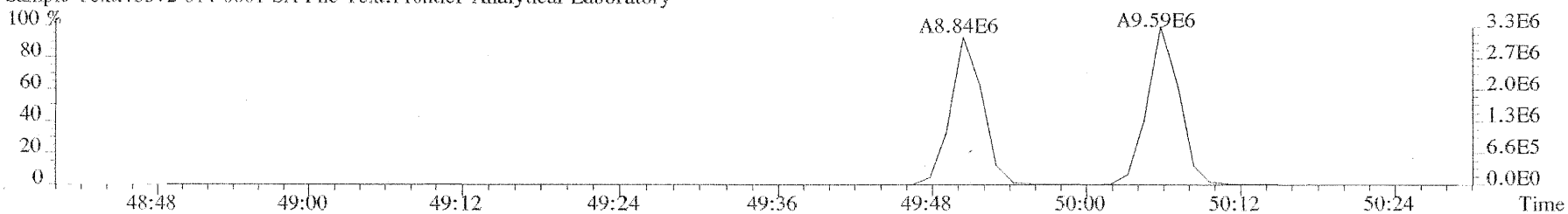
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



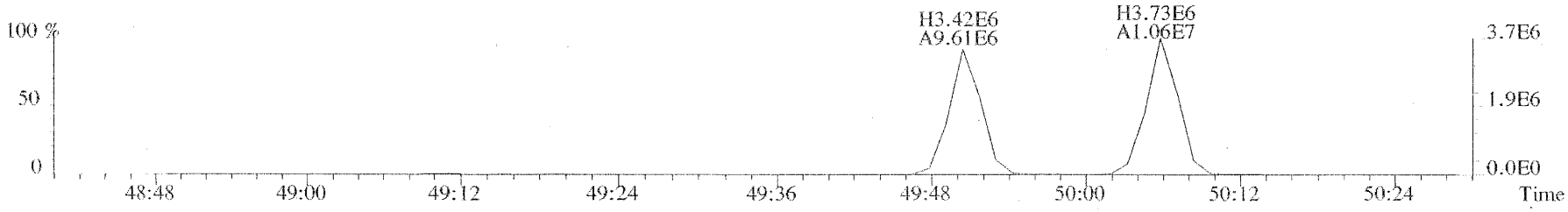
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



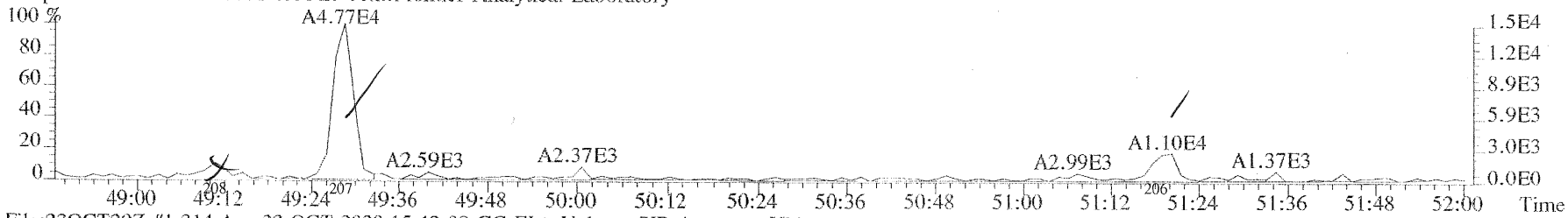
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



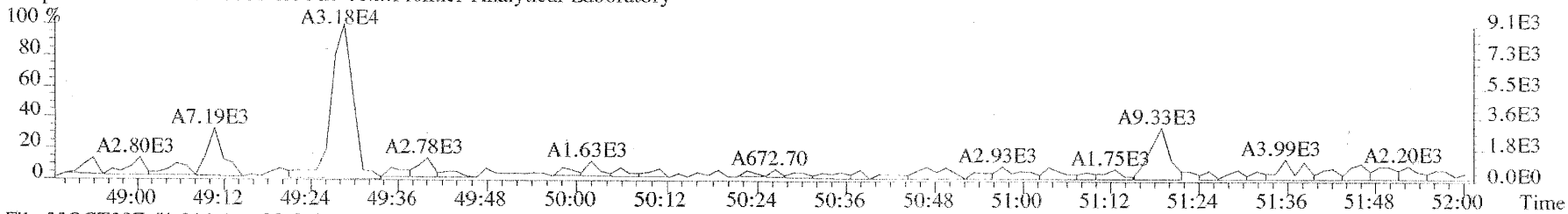
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



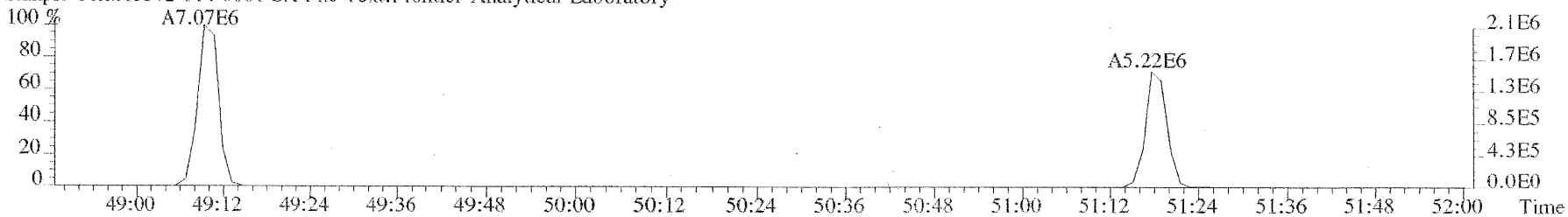
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



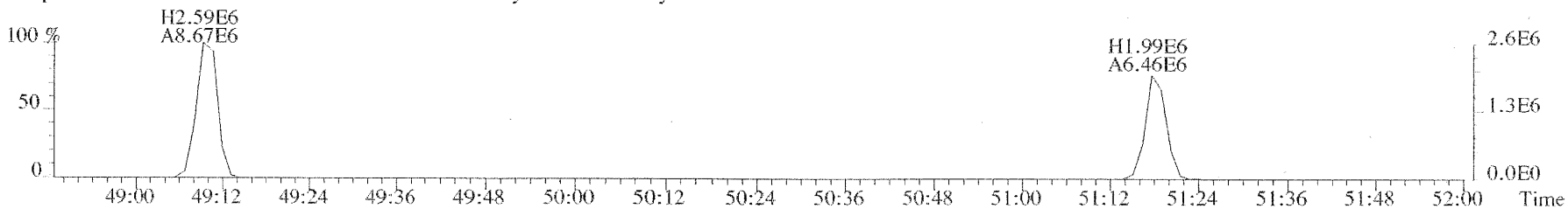
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



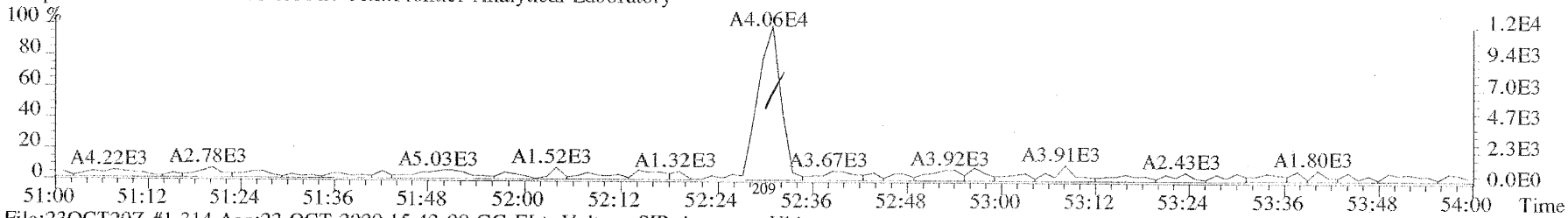
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



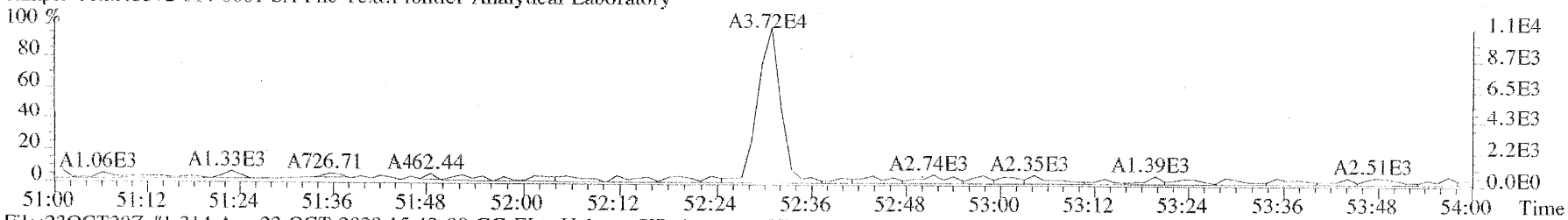
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



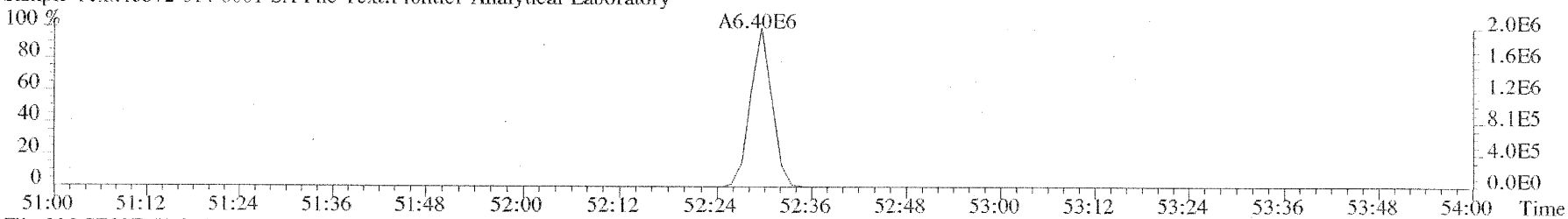
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



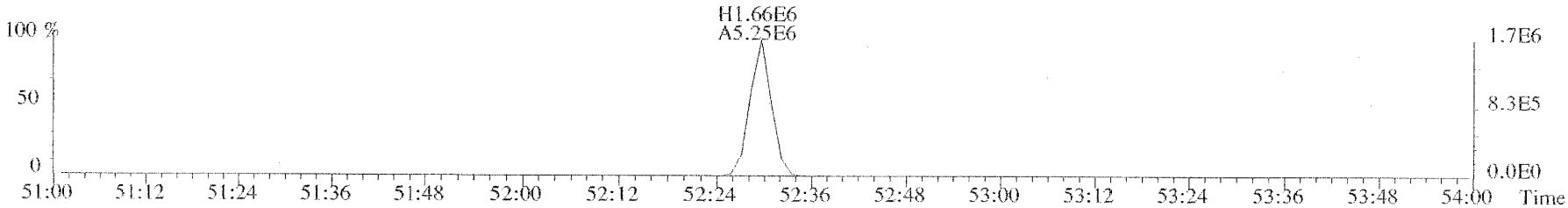
File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-014-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 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:13372-014-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 15:43:09 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:13372-014-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-015-0001-SA Filename: 23OCT20Z Sam:7 Acquired: 23-OCT-20 16:41:30 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SC-S010-TB 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	*	* n	NotFnd	1.35	*		920	860	4.07			
13C-PCB-1	2.36e+07	3.23 y	14:33	0.94	7400					74.0	6.15e+06	1.91e+06
PCB-2	*	* n	NotFnd	1.44	*		920	860	4.19			
PCB-3	*	* n	NotFnd	1.39	*		920	860	4.74			
13C-PCB-3	2.28e+07	3.34 y	16:58	0.88	7640					76.4	5.25e+06	1.54e+06
PCB-4	*	* n	NotFnd	1.16	*		657	3390	13.7			
PCB-10	*	* n	NotFnd	1.68	*		657	3390	8.84			
13C-PCB-4	2.07e+07	1.60 y	18:12	0.70	8740					87.4	3.95e+06	2.42e+06
PCB-9	*	* n	NotFnd	1.55	*		657	3390	9.56			
PCB-7	*	* n	NotFnd	1.55	*		657	3390	9.56			
PCB-6	*	* n	NotFnd	1.48	*		657	3390	10.00			
PCB-8	*	* n	NotFnd	1.50	*		657	3390	9.86			
PCB-5	*	* n	NotFnd	1.48	*		657	3390	10.0			
PCB-14	5.98e+06	1.42 y	21:56	1.53	1490		-	-	*			
PCB-11	3.04e+05	1.53 y	23:05	1.39	83.4		-	-	*			
PCB-13	*	* n	NotFnd	1.33	*		657	3390	11.1			
PCB-12	*	* n	NotFnd	1.39	*		657	3390	10.7			
PCB-15	*	* n	NotFnd	1.30	*		657	3390	10.9			
13C-PCB-15	3.16e+07	1.63 y	23:42	1.01	9180					91.8	4.38e+06	2.78e+06
PCB-19	*	* n	NotFnd	1.29	*		987	472	8.44			
PCB-30	*	* n	NotFnd	2.02	*		987	472	5.37			
PCB-18	*	* n	NotFnd	1.25	*		987	472	8.71			
PCB-17	*	* n	NotFnd	1.44	*		987	472	7.56			
PCB-27	*	* n	NotFnd	1.80	*		987	472	6.05			
PCB-24	*	* n	NotFnd	1.85	*		987	472	5.86			
PCB-16	*	* n	NotFnd	1.61	*		987	472	6.75			
PCB-32	*	* n	NotFnd	1.62	*		987	472	6.72			
13C-PCB-19	1.19e+07	1.12 y	22:04	0.47	7440					74.4	1.77e+06	1.59e+06
13C-PCB-9	3.40e+07	1.62 y	19:52	-	73.1							
PCB-34	*	* n	NotFnd	1.18	*		1230	936	7.46			
PCB-23	*	* n	NotFnd	1.31	*		1230	936	6.71			
PCB-29	*	* n	NotFnd	1.36	*		1230	936	6.50			
PCB-26	*	* n	NotFnd	1.34	*		1230	936	6.56			
PCB-25	*	* n	NotFnd	1.27	*		1230	936	6.94			
PCB-31	*	* n	NotFnd	1.41	*		1230	936	6.24			
PCB-28	*	* n	NotFnd	1.43	*		1230	936	6.15			
PCB-20	*	* n	NotFnd	1.27	*		1230	936	6.94		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.27	*		1230	936	6.94		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.27	*		1230	936	6.94		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.33	*		1230	936	6.64			
PCB-36	4.47e+06	1.08 y	28:17	1.37	1050		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1230	936	7.32			
PCB-38	*	* n	NotFnd	1.35	*		1230	936	6.52			
PCB-35	*	* n	NotFnd	1.27	*		1230	936	6.95			
PCB-37	*	* n	NotFnd	1.21	*		1230	936	7.28			
13C-PCB-37	3.12e+07	1.10 y	30:21	1.77	10300					103	3.18e+06	2.96e+06

PCB-54	*	*	n	NotFnd	1.36	*		768	910	6.77				
PCB-50	*	*	n	NotFnd	1.16	*		768	910	7.96				
PCB-53	*	*	n	NotFnd	1.02	*		768	910	9.00				
PCB-51	*	*	n	NotFnd	1.04	*		768	910	8.88				
PCB-45	*	*	n	NotFnd	0.98	*		768	910	9.40				
PCB-46	*	*	n	NotFnd	0.92	*		768	910	10.1				
PCB-52	3.55e+04	0.70	y	28:56	1.11	18.0	J	-	-	*		Co-elute PCB 69		
PCB-69	3.55e+04	0.70	y	28:56	1.11	18.0	J	-	-	*		Co-elute PCB 52		
PCB-73	4.74e+04	0.71	y	29:04	1.30	20.4		-	-	*				
PCB-43	*	*	n	NotFnd	1.00	*		768	910	9.23		Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	1.00	*		768	910	9.23		Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	0.99	*		768	910	9.27				
PCB-48	*	*	n	NotFnd	1.26	*		768	910	7.29		Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.26	*		768	910	7.29		Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		768	910	6.85				
PCB-62	*	*	n	NotFnd	1.19	*		768	910	7.77				
PCB-44	*	*	n	NotFnd	0.85	*		768	910	10.9				
PCB-42	*	*	n	NotFnd	1.12	*		768	910	8.26		Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.12	*		768	910	8.26		Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.22	*		768	910	7.53		Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.22	*		768	910	7.53		Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.22	*		768	910	7.53		Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.22	*		768	910	7.53		Co-elute PCB 72/41/71		
PCB-68	2.76e+04	0.76	y	31:13	1.32	11.8	J	-	-	*				
PCB-40	*	*	n	NotFnd	0.82	*		768	910	11.3				
PCB-57	*	*	n	NotFnd	1.33	*		768	910	6.93				
PCB-67	*	*	n	NotFnd	1.26	*		768	910	7.30				
PCB-58	*	*	n	NotFnd	1.27	*		768	910	7.27				
PCB-63	*	*	n	NotFnd	1.35	*		768	910	6.81				
PCB-74	*	*	n	NotFnd	1.24	*		768	910	7.46				
PCB-61	*	*	n	NotFnd	1.17	*		768	910	7.86		Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.17	*		768	910	7.86		Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.39	*		768	910	6.63		Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.39	*		768	910	6.63		Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.56	*		768	910	5.89				
PCB-55	8.44e+04	0.78	y	33:31	1.32	35.9		-	-	*				
13C-PCB-54	1.78e+07	0.83	y	25:35	1.32	7970					79.7	2.04e+06	2.52e+06	
PCB-104	3.93e+06	1.58	y	30:03	1.23	2630		-	-	*				
PCB-96	*	*	n	NotFnd	1.20	*		360	380	5.02				
PCB-103	*	*	n	NotFnd	1.01	*		360	380	5.99				
PCB-100	*	*	n	NotFnd	0.94	*		360	380	6.45				
PCB-94	*	*	n	NotFnd	0.78	*		360	380	7.79				
PCB-98	*	*	n	NotFnd	0.77	*		360	380	7.80		Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		360	380	7.80		Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.96	*		360	380	6.27				
PCB-93	*	*	n	NotFnd	0.93	*		360	380	6.53				
PCB-88	*	*	n	NotFnd	0.52	*		360	380	11.6		Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		360	380	11.6		Co-elute PCB 88		
PCB-121	5.45e+06	1.56	y	33:31	1.08	4140		-	-	*				
13C-PCB-104	1.21e+07	1.58	y	30:02	0.96	7420					74.2	1.86e+06	1.20e+06	
13C-PCB-28	3.41e+07	1.07	y	26:40	2.13	9440					94.4	3.95e+06	3.75e+06	
13C-PCB-52	1.70e+07	0.81	y	28:56	-	78.7								

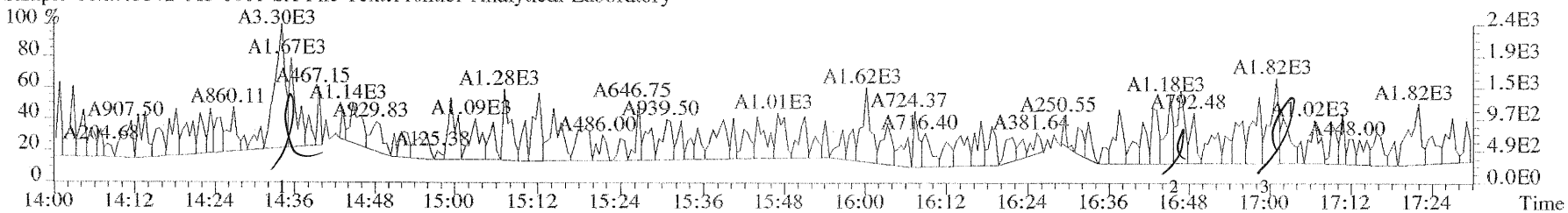
PCB-56	*	*	n	NotFnd	1.21	*	870	1230	8.78		Co-elute PCB 60	
PCB-60	*	*	n	NotFnd	1.21	*	870	1230	8.78		Co-elute PCB 56	
PCB-79	*	*	n	NotFnd	1.38	*	870	1230	7.70			
PCB-78	1.08e+07	0.81	y	35:39	1.38	3140	-	-	*			
PCB-81	*	*	n	NotFnd	1.41	*	870	1230	7.34			
13C-PCB-81	2.47e+07	0.79	y	36:07	1.78	9620				96.2	2.24e+06	2.85e+06
PCB-77	*	*	n	NotFnd	1.17	*	870	1230	9.32			
13C-PCB-77	2.54e+07	0.83	y	36:41	1.84	9610				96.1	2.19e+06	2.63e+06
PCB-155	6.49e+06	1.31	y	34:13	1.14	4750	-	-	*			
PCB-150	*	*	n	NotFnd	1.06	*	428	464	7.45			
PCB-152	*	*	n	NotFnd	1.15	*	428	464	6.88			
PCB-145	*	*	n	NotFnd	1.06	*	428	464	7.44			
PCB-136	*	*	n	NotFnd	1.05	*	428	464	7.52			
PCB-148	*	*	n	NotFnd	0.92	*	428	464	8.62			
PCB-154	*	*	n	NotFnd	0.93	*	428	464	8.49			
13C-PCB-155	1.20e+07	1.32	y	34:12	1.26	6580				65.8	1.62e+06	1.20e+06
13C-PCB-111	1.58e+07	1.62	y	36:16	1.32	8300				83.0	2.20e+06	1.31e+06
13C-PCB-101	1.44e+07	1.67	y	34:37	-	81.9						
PCB-84	7.73e+04	1.38	y	34:13	0.74	44.7	-	-	*		Co-elute PCB 92	
PCB-92	7.73e+04	1.38	y	34:13	0.74	44.7	-	-	*		Co-elute PCB 84	
PCB-89	*	*	n	NotFnd	0.77	*	668	688	8.61			
PCB-90	*	*	n	NotFnd	0.80	*	668	688	8.24		Co-elute PCB 101	
PCB-101	*	*	n	NotFnd	0.80	*	668	688	8.24		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.89	*	668	688	7.43			
PCB-99	*	*	n	NotFnd	0.92	*	668	688	7.16			
PCB-119	*	*	n	NotFnd	1.06	*	668	688	6.25			
PCB-83	*	*	n	NotFnd	0.83	*	668	688	7.94		Co-elute PCB 112	
PCB-112	*	*	n	NotFnd	0.83	*	668	688	7.94		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.97	*	668	688	6.82			
PCB-97	*	*	n	NotFnd	0.68	*	668	688	9.72			
PCB-86	*	*	n	NotFnd	0.68	*	668	688	9.75			
PCB-125	*	*	n	NotFnd	0.92	*	668	688	7.15		Co-elute PCB 87/117	
PCB-87	*	*	n	NotFnd	0.92	*	668	688	7.15		Co-elute PCB 125/117	
PCB-117	*	*	n	NotFnd	0.92	*	668	688	7.15		Co-elute PCB 125/87	
PCB-111	*	*	n	NotFnd	0.99	*	668	688	6.65		Co-elute PCB 115	
PCB-115	*	*	n	NotFnd	0.99	*	668	688	6.65		Co-elute PCB 111	
PCB-85	*	*	n	NotFnd	0.92	*	668	688	7.19		Co-elute PCB 116	
PCB-116	*	*	n	NotFnd	0.92	*	668	688	7.19		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.12	*	668	688	5.91			
PCB-110	*	*	n	NotFnd	0.99	*	668	688	6.63			
PCB-82	*	*	n	NotFnd	0.65	*	668	688	10.2			
PCB-124	*	*	n	NotFnd	1.25	*	804	876	6.52			
PCB-108	*	*	n	NotFnd	1.23	*	804	876	6.65		Co-elute PCB 107	
PCB-107	*	*	n	NotFnd	1.23	*	804	876	6.65		Co-elute PCB 108	
PCB-123	*	*	n	NotFnd	1.19	*	804	876	6.66			
13C-PCB-123	2.28e+07	1.58	y	38:19	1.42	10500				105	3.21e+06	2.08e+06
PCB-118	*	*	n	NotFnd	1.22	*	804	876	6.32		Co-elute PCB 106	
PCB-106	*	*	n	NotFnd	1.22	*	804	876	6.32		Co-elute PCB 118	
13C-PCB-118	2.45e+07	1.59	y	38:29	1.59	10100				101	3.35e+06	2.09e+06
PCB-114	*	*	n	NotFnd	1.18	*	804	876	6.68			
13C-PCB-114	2.35e+07	1.60	y	39:07	1.50	10300				103	3.21e+06	2.08e+06
PCB-122	*	*	n	NotFnd	1.30	*	804	876	6.29			
PCB-105	*	*	n	NotFnd	1.36	*	804	876	6.77			
13C-PCB-105	2.26e+07	1.59	y	39:56	1.52	9760				97.6	2.84e+06	1.75e+06

PCB-127	*	*	n	NotFnd	1.27	*	804	876	6.42				
PCB-126	*	*	n	NotFnd	1.23	*	804	876	7.36				
13C-PCB-126	2.17e+07	1.63	y	42:03	1.36	10500				105	2.83e+06	1.79e+06	
PCB-151	*	*	n	NotFnd	1.14	*	816	820	9.55				
PCB-135	*	*	n	NotFnd	1.05	*	816	820	10.4				
PCB-144	*	*	n	NotFnd	1.17	*	816	820	9.34				
PCB-147	*	*	n	NotFnd	1.24	*	816	820	8.78				
PCB-139	*	*	n	NotFnd	1.14	*	816	820	9.57		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	1.14	*	816	820	9.57		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.27	*	816	820	8.59				
PCB-143	*	*	n	NotFnd	1.00	*	816	820	10.9		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	1.00	*	816	820	10.9		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	1.00	*	816	820	10.9		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	1.00	*	816	820	10.9		Co-elute PCB 131		
PCB-142	1.13e+06	1.22	y	39:30	1.05	638	-	-	*				
PCB-165	*	*	n	NotFnd	1.30	*	816	820	8.40		Co-elute PCB 146		
PCB-146	*	*	n	NotFnd	1.30	*	816	820	8.40		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.24	*	816	820	8.77		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.24	*	816	820	8.77		Co-elute PCB 161		
PCB-153	1.35e+05	1.32	y	40:10	1.40	57.3	-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*	816	820	7.86				
PCB-141	*	*	n	NotFnd	1.13	*	816	820	9.63				
PCB-137	*	*	n	NotFnd	1.01	*	816	820	10.7				
PCB-130	*	*	n	NotFnd	1.05	*	816	820	10.3				
PCB-138	*	*	n	NotFnd	1.25	*	816	820	8.69		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.25	*	816	820	8.69		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.25	*	816	820	8.69		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.42	*	816	820	7.66		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.42	*	816	820	7.66		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.99	*	816	820	11.0				
PCB-166	*	*	n	NotFnd	1.42	*	816	820	7.67				
PCB-159	*	*	n	NotFnd	1.53	*	816	820	7.13				
PCB-128	*	*	n	NotFnd	1.14	*	816	820	9.57		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.14	*	816	820	9.57		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.33	*	816	820	8.35				
13C-PCB-167	1.70e+07	1.26	y	43:25	1.16	9640				96.4	2.05e+06	1.63e+06	
PCB-156	*	*	n	NotFnd	1.40	*	816	820	8.57				
13C-PCB-156	1.64e+07	1.30	y	44:40	1.13	9520				95.2	1.97e+06	1.46e+06	
PCB-157	*	*	n	NotFnd	1.26	*	816	820	8.56				
13C-PCB-157	1.73e+07	1.33	y	44:54	1.14	9900				99.0	2.16e+06	1.63e+06	
PCB-169	*	*	n	NotFnd	1.22	*	816	820	7.95				
13C-PCB-169	1.65e+07	1.28	y	46:46	1.04	10400				104	2.40e+06	1.81e+06	

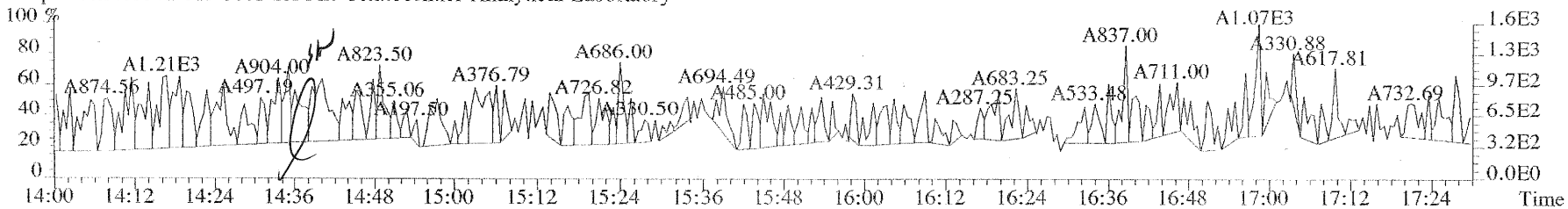
PCB-188	*	*	n	NotFnd	1.19	*	610	536	8.22			
13C-PCB-188	1.24e+07	1.10	y	39:42	1.06	7620				76.2	1.54e+06	1.39e+06
PCB-184	8.01e+06	1.09	y	40:08	1.38	4780	-	-	*			
PCB-179	*	*	n	NotFnd	1.38	*	610	536	6.66			
PCB-176	*	*	n	NotFnd	1.33	*	610	536	6.89			
PCB-186	*	*	n	NotFnd	1.25	*	610	536	7.33			
PCB-178	*	*	n	NotFnd	0.95	*	610	536	9.70			
PCB-175	*	*	n	NotFnd	0.98	*	610	536	9.37			
PCB-187	*	*	n	NotFnd	1.04	*	610	536	8.77	Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.04	*	610	536	8.77	Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	1.07	*	610	536	8.54			
PCB-185	*	*	n	NotFnd	0.88	*	610	536	10.4			
PCB-174	*	*	n	NotFnd	0.94	*	610	536	9.75			
PCB-181	*	*	n	NotFnd	0.93	*	610	536	9.90			
PCB-177	*	*	n	NotFnd	0.90	*	610	536	10.1			
PCB-171	*	*	n	NotFnd	0.96	*	610	536	9.54			
PCB-173	*	*	n	NotFnd	0.84	*	610	536	10.9			
PCB-172	1.48e+05	0.92	y	45:26	0.90	136	-	-	*			
PCB-192	5.95e+06	1.07	y	45:37	1.07	4560	-	-	*			
PCB-180	*	*	n	NotFnd	0.86	*	610	536	10.7			
PCB-193	*	*	n	NotFnd	1.19	*	610	536	7.68			
PCB-191	*	*	n	NotFnd	1.19	*	610	536	7.70			
PCB-170	*	*	n	NotFnd	0.86	*	610	536	10.6			
PCB-190	*	*	n	NotFnd	1.17	*	610	536	7.84			
PCB-189	*	*	n	NotFnd	1.16	*	610	536	7.32			
13C-PCB-189	1.20e+07	1.07	y	48:27	0.86	9100				91.0	1.77e+06	1.60e+06
PCB-202	*	*	n	NotFnd	1.11	*	296	424	7.85			
PCB-201	*	*	n	NotFnd	1.27	*	296	424	6.90			
PCB-204	1.17e+07	0.92	y	45:26	1.28	10300	-	-	*			
PCB-197	5.95e+04	0.86	y	45:40	1.20	56.3	-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*	296	424	6.97			
PCB-198	*	*	n	NotFnd	0.90	*	296	424	9.76			
PCB-199	*	*	n	NotFnd	0.85	*	296	424	10.3			
PCB-203	*	*	n	NotFnd	0.95	*	296	424	9.22	Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	0.95	*	296	424	9.22	Co-elute PCB 203		
13C-PCB-202	8.84e+06	0.88	y	44:49	0.77	7580				75.8	9.74e+05	1.08e+06
13C-PCB-178	8.74e+06	1.09	y	42:20	0.76	7580				75.8	1.04e+06	9.79e+05
13C-PCB-138	1.52e+07	1.26	y	41:34	-	76.8						
PCB-195	*	*	n	NotFnd	0.94	*	1130	1790	10.8			
PCB-194	*	*	n	NotFnd	1.03	*	1130	1790	9.80			
PCB-205	*	*	n	NotFnd	1.17	*	1130	1790	8.58			
13C-PCB-205	2.04e+07	0.92	y	50:06	1.30	8840				88.4	3.46e+06	3.80e+06
PCB-208	*	*	n	NotFnd	1.16	*	484	608	5.32			
13C-PCB-208	1.50e+07	0.82	y	49:09	1.13	7540				75.4	2.00e+06	2.42e+06
PCB-207	8.33e+04	1.42	y	49:29	1.39	43.4	-	-	*			
PCB-206	*	*	n	NotFnd	1.17	*	484	608	5.76			
13C-PCB-206	1.24e+07	0.80	y	51:18	0.85	8280				82.8	1.79e+06	2.27e+06
PCB-209	8.18e+04	1.09	y	52:31	1.24	54.7	-	-	*			
13C-PCB-209	1.21e+07	1.24	y	52:30	0.88	7780				77.8	2.17e+06	1.81e+06
13C-PCB-194	1.77e+07	0.93	y	49:50	-	89.3						

Analyst: _____ Date: 10/28/20

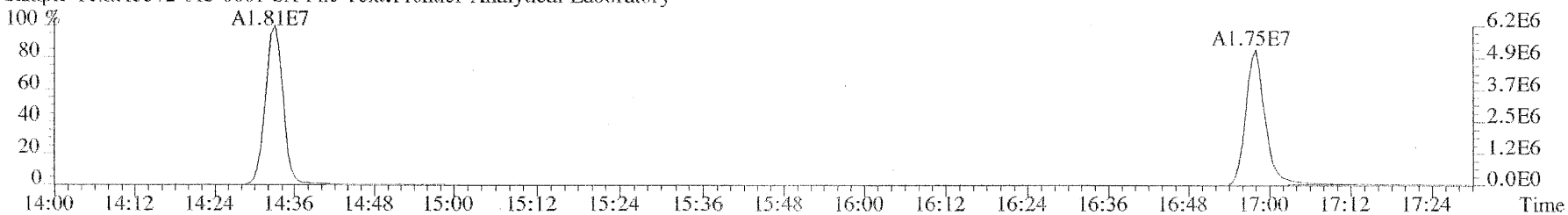
File:23OCT20Z #1-783 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



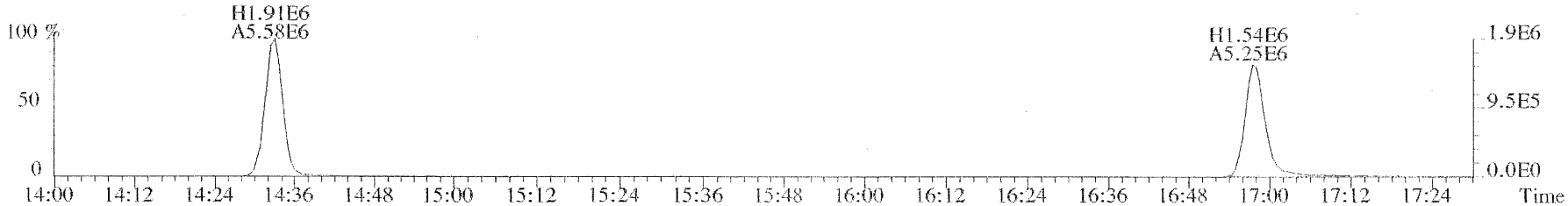
File:23OCT20Z #1-783 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



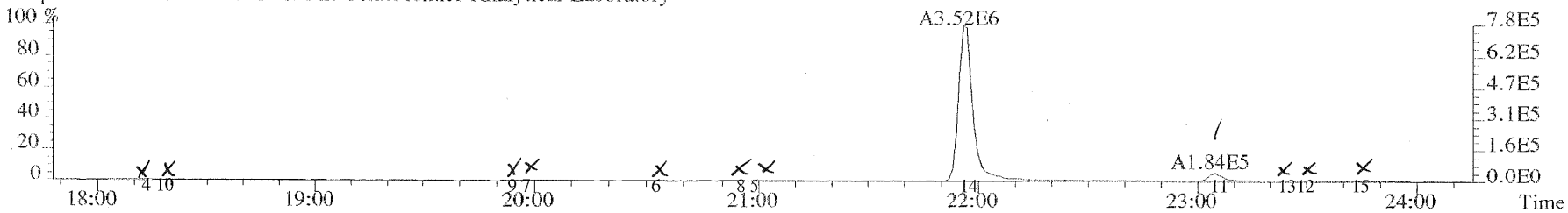
File:23OCT20Z #1-783 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



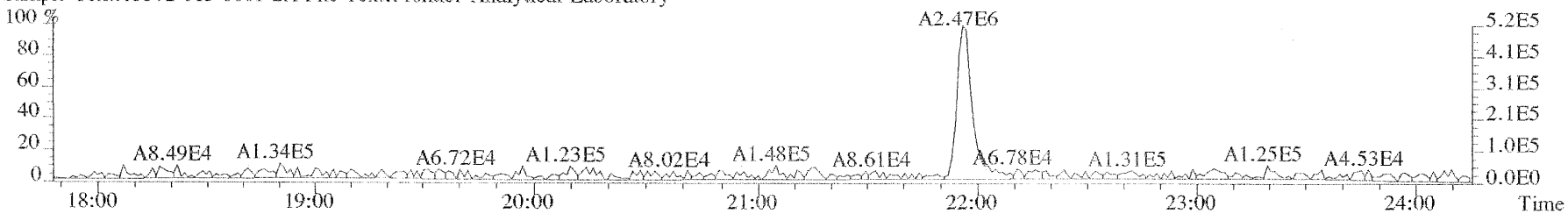
File:23OCT20Z #1-783 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



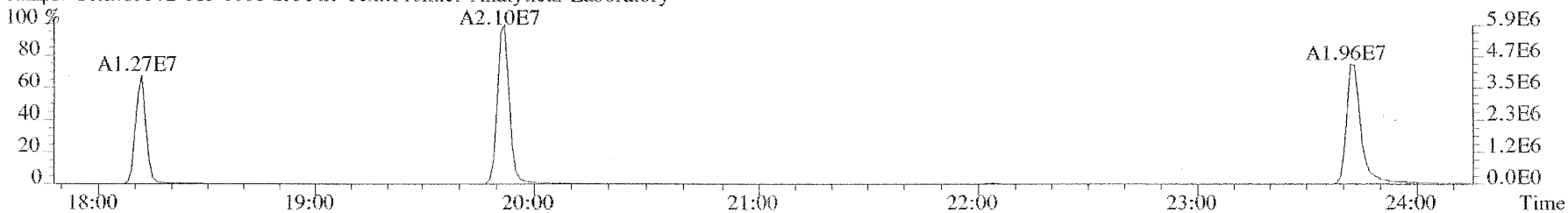
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



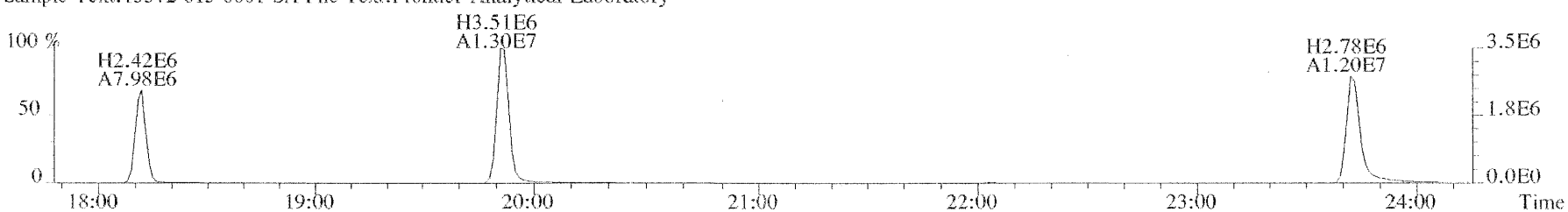
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



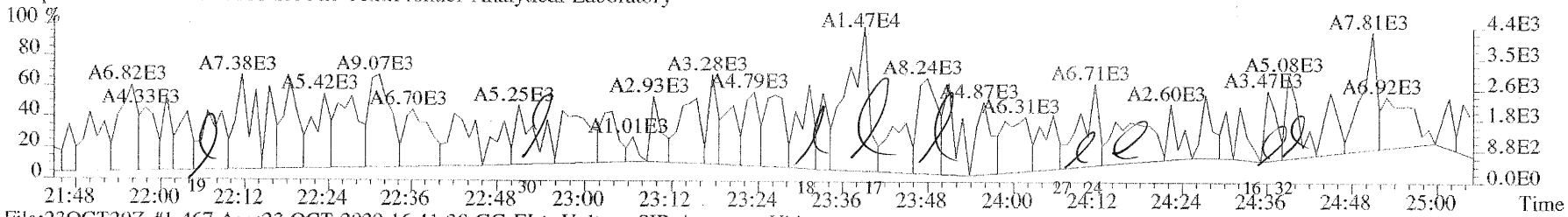
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



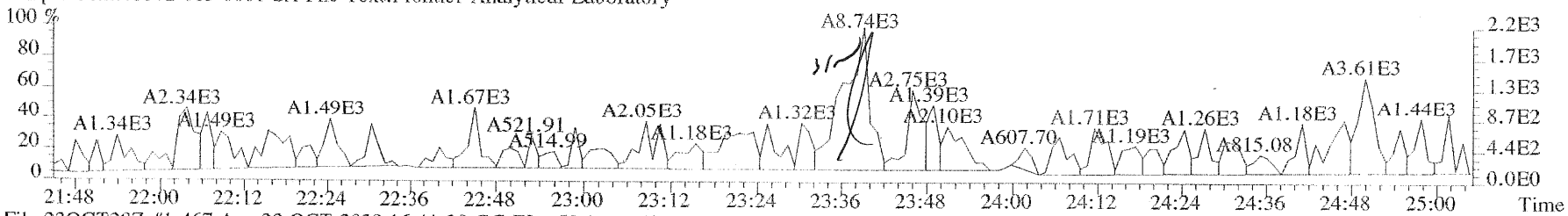
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



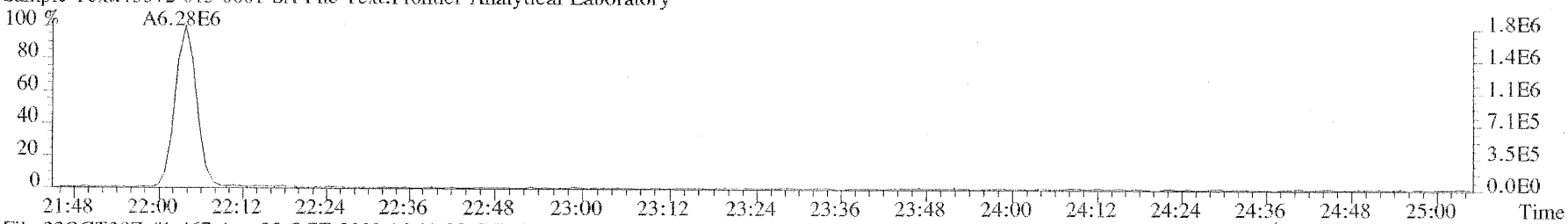
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



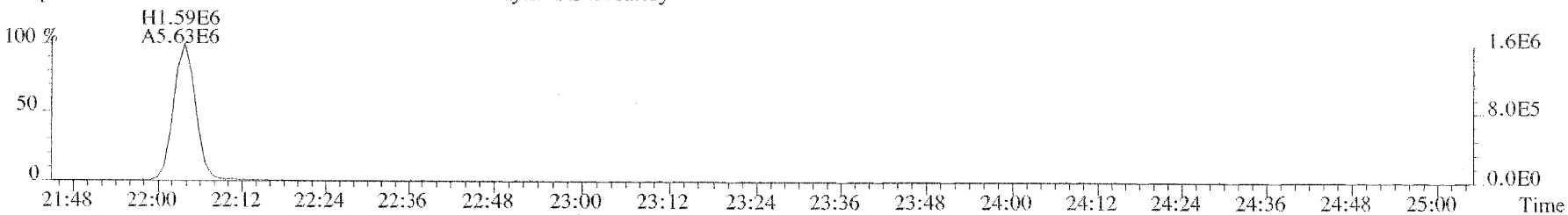
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



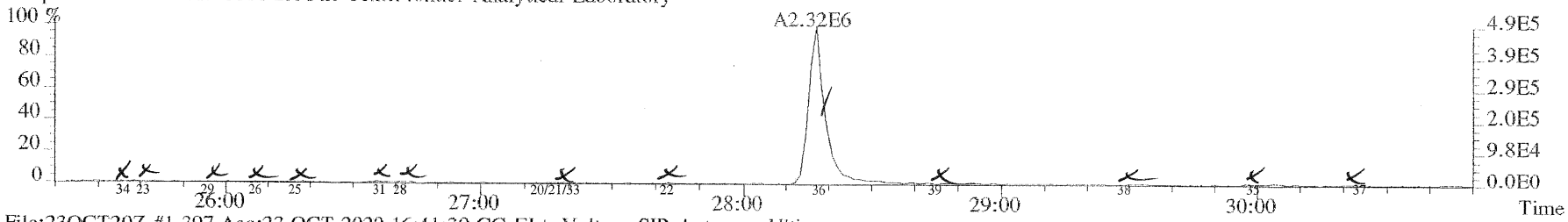
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



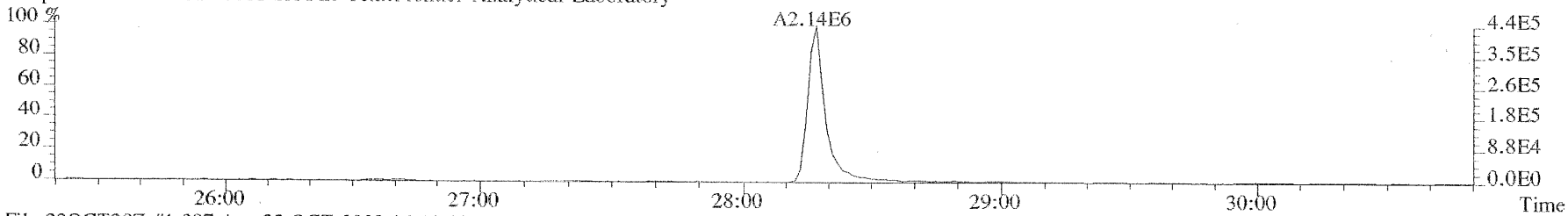
File:23OCT20Z #1-467 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



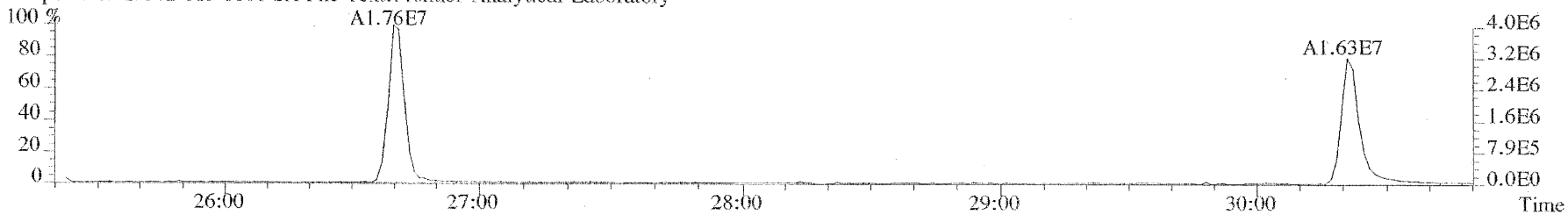
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



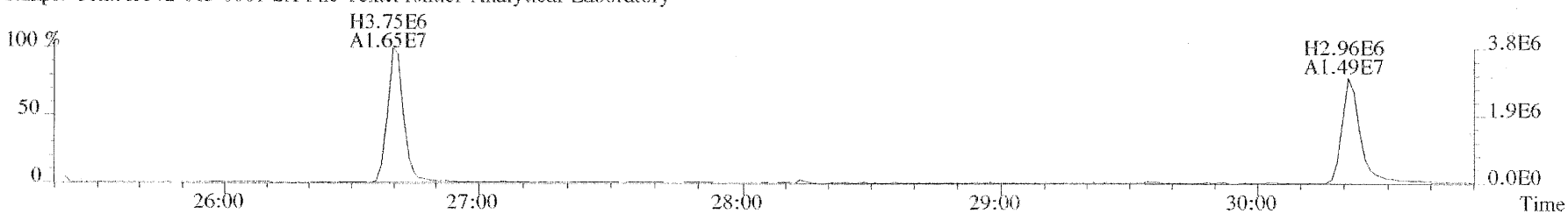
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



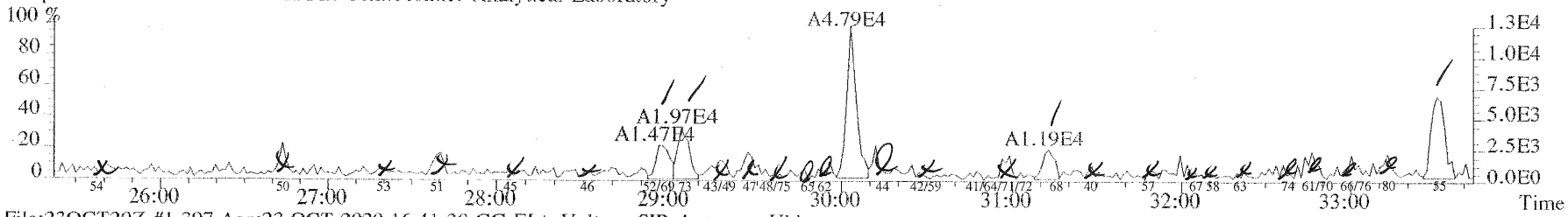
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



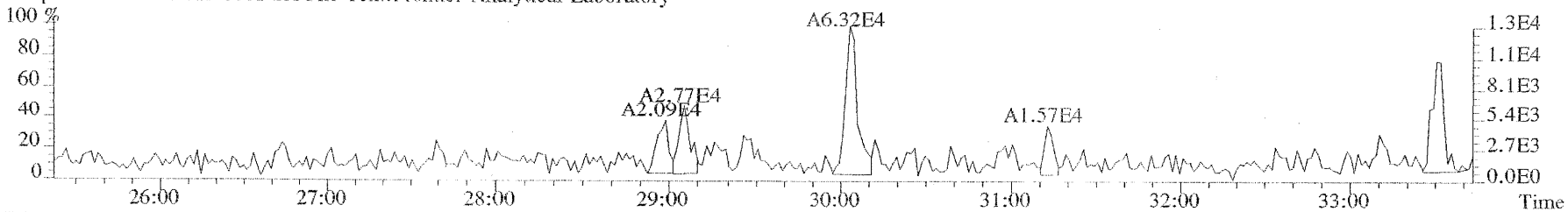
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



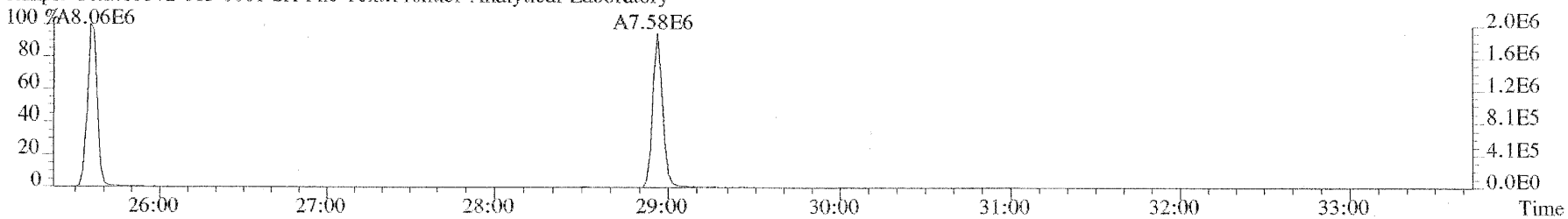
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



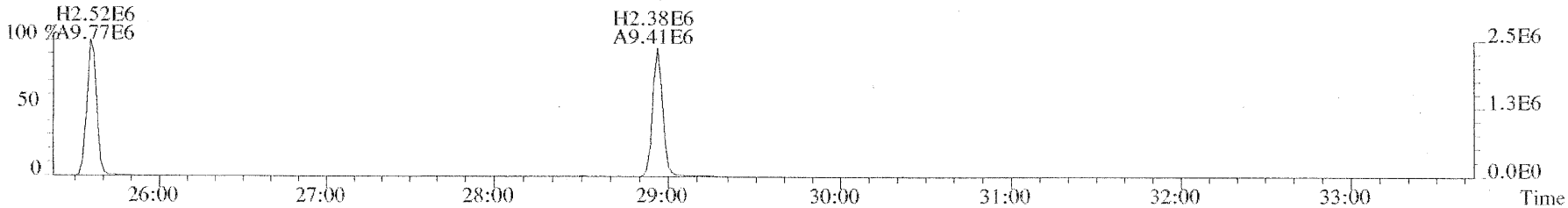
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



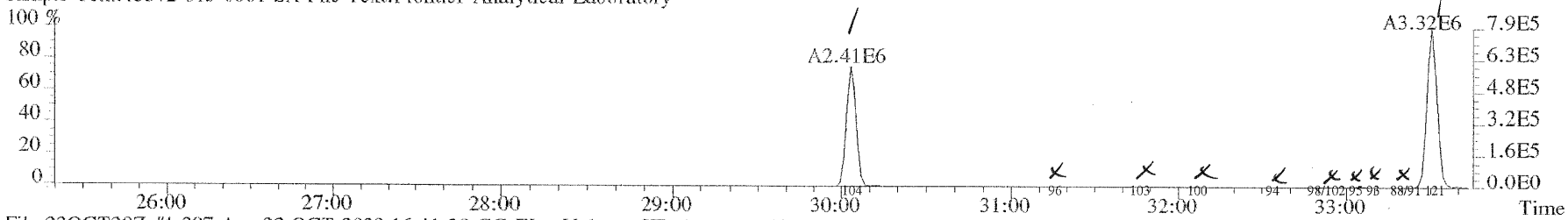
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



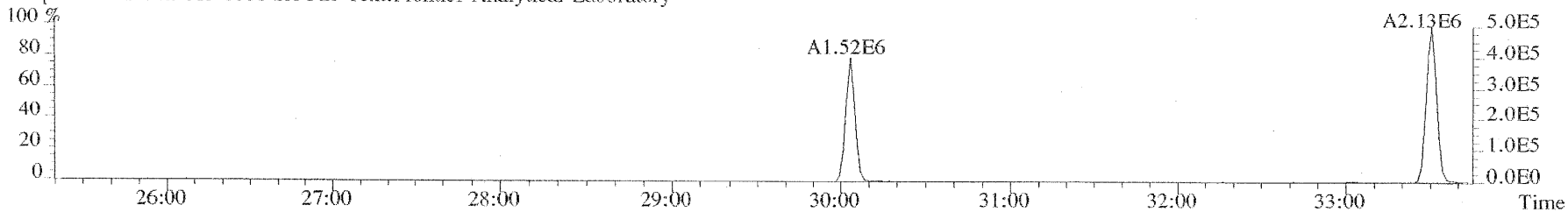
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



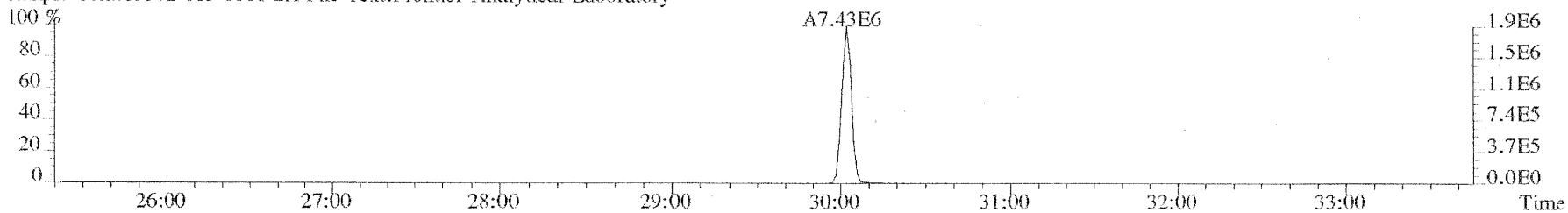
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



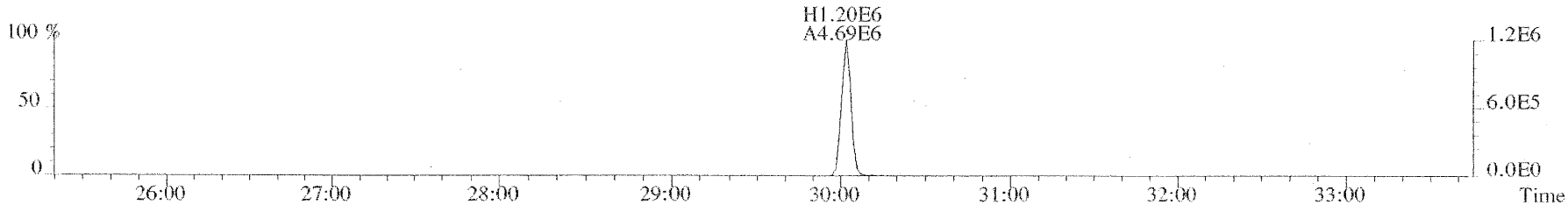
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



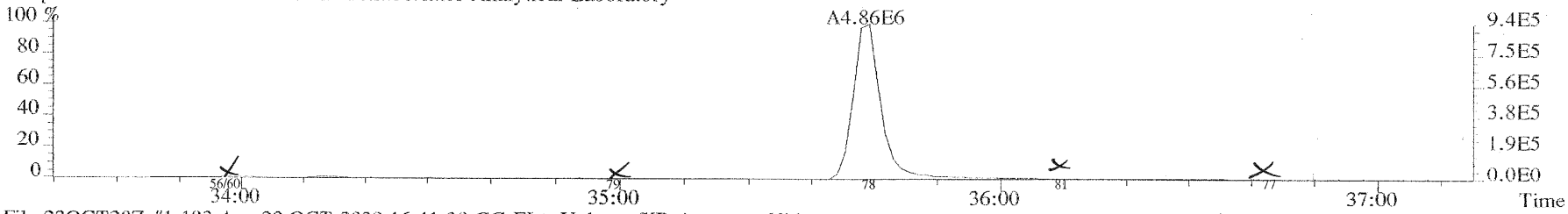
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



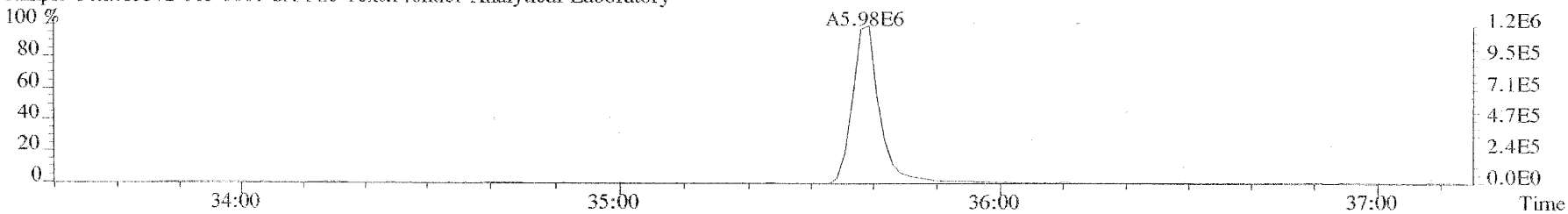
File:23OCT20Z #1-397 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



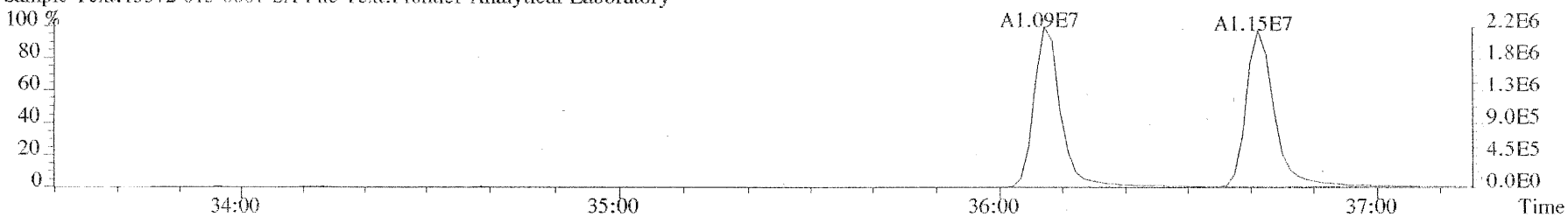
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



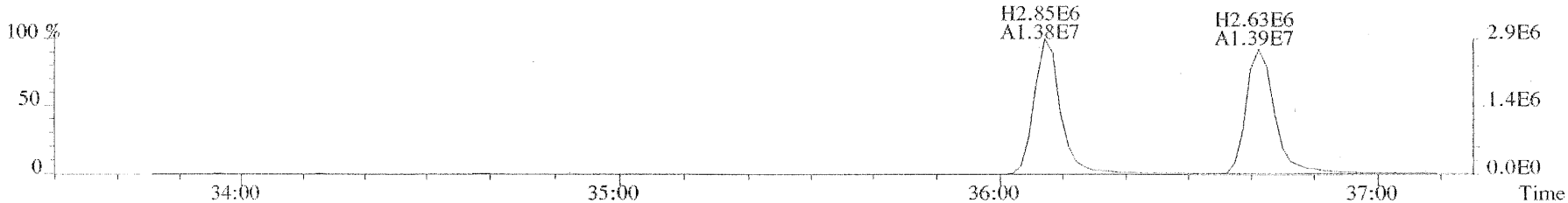
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



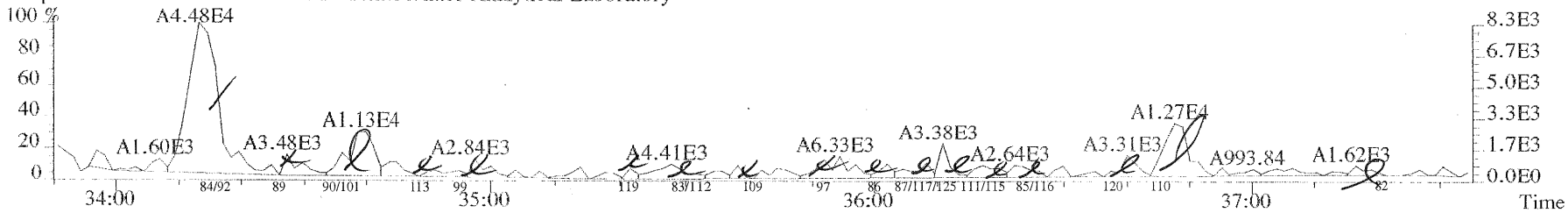
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



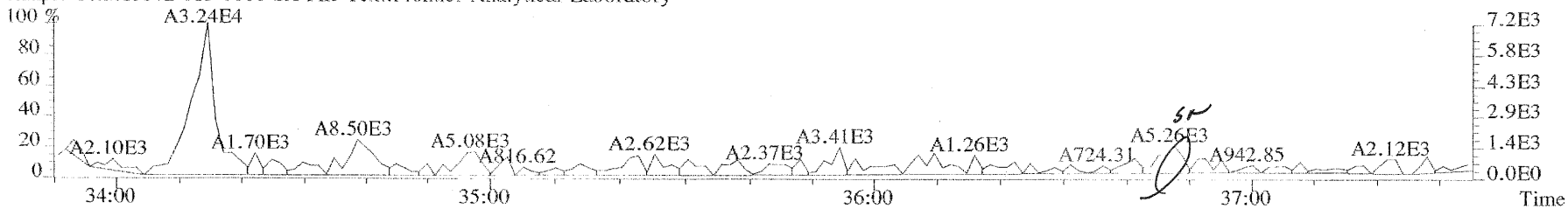
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



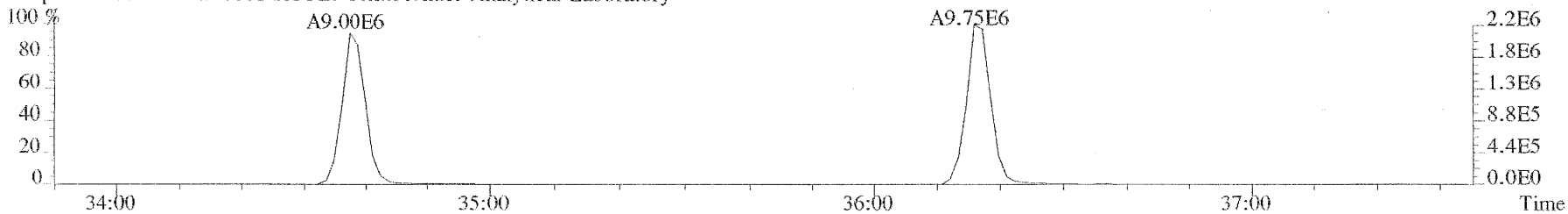
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



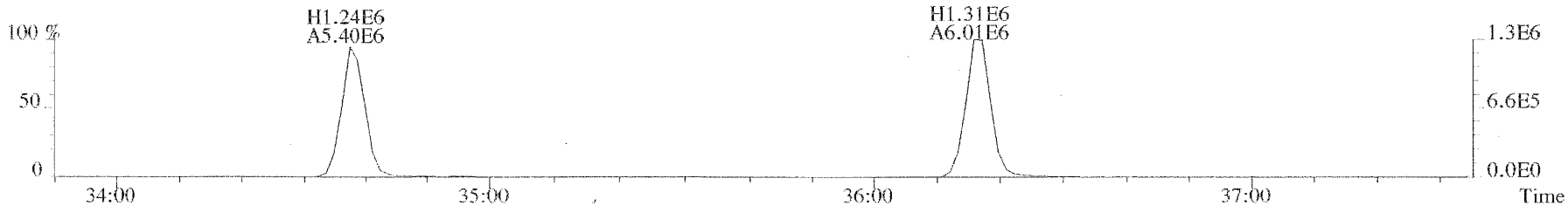
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



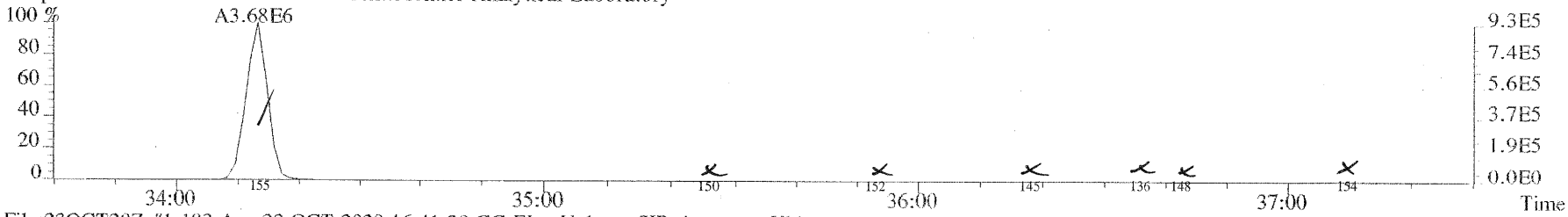
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



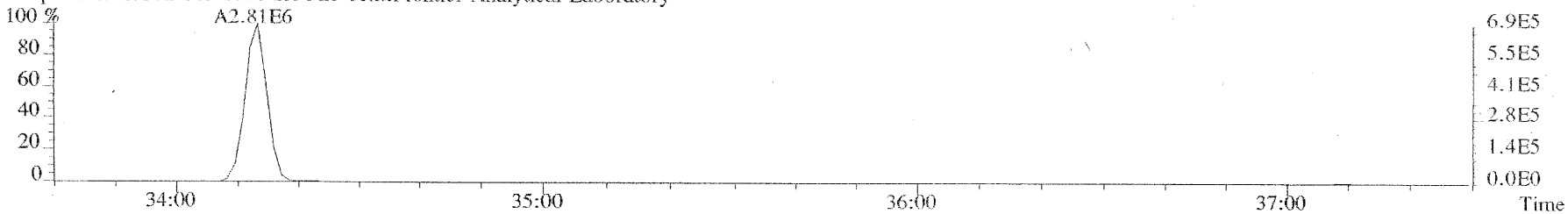
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



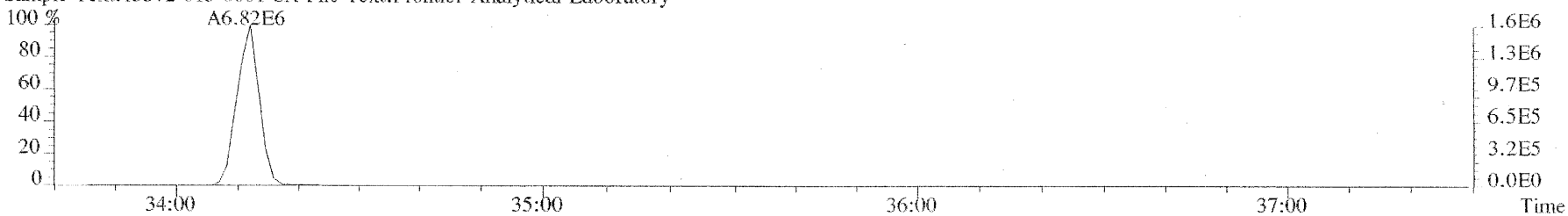
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



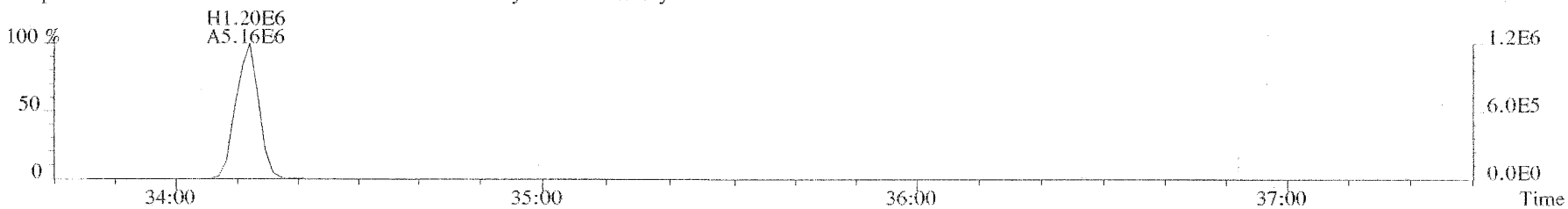
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



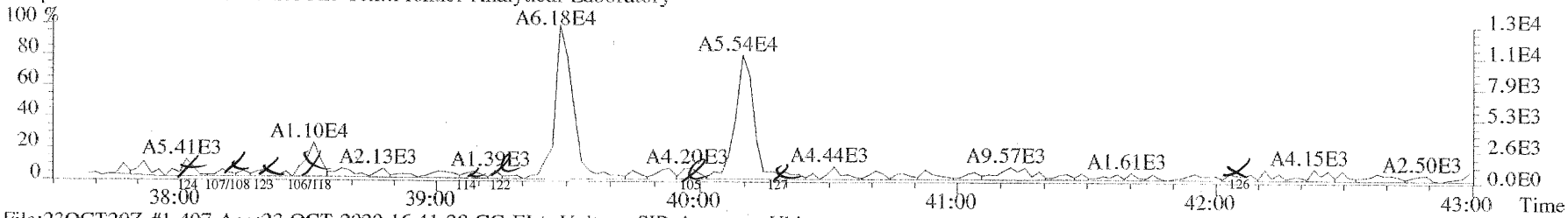
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



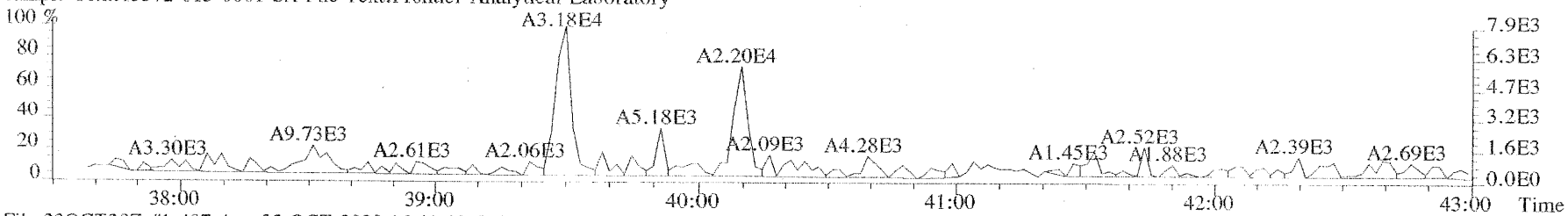
File:23OCT20Z #1-183 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



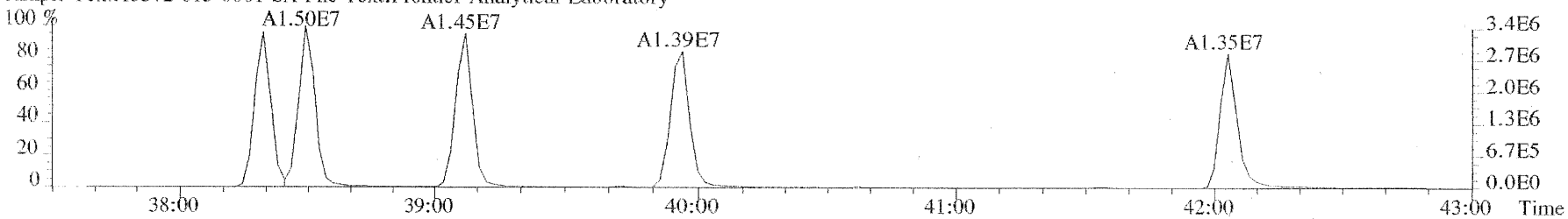
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



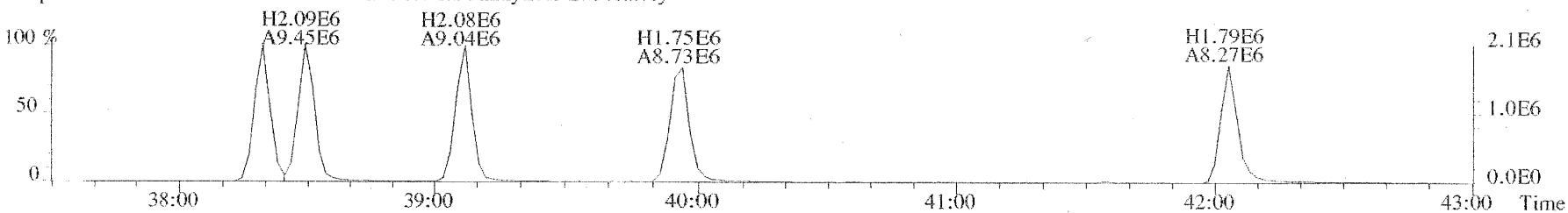
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



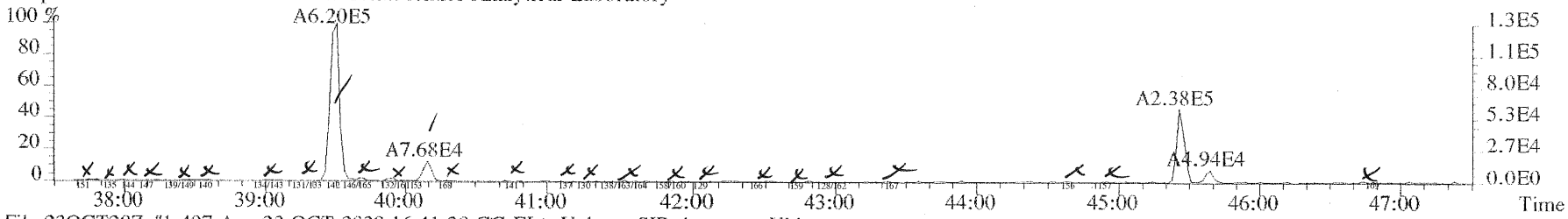
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



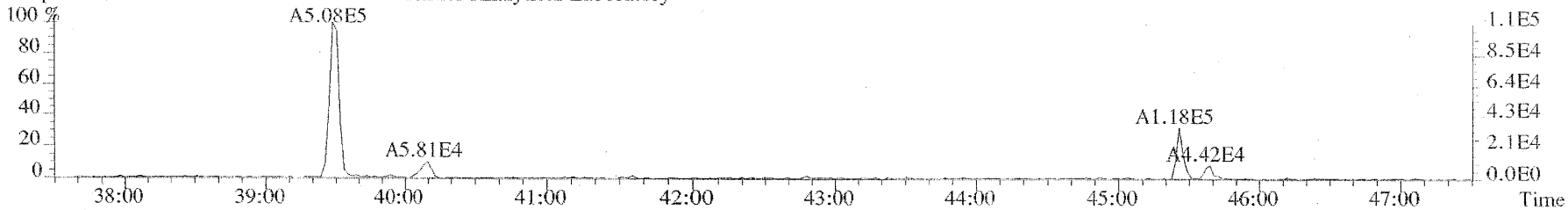
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



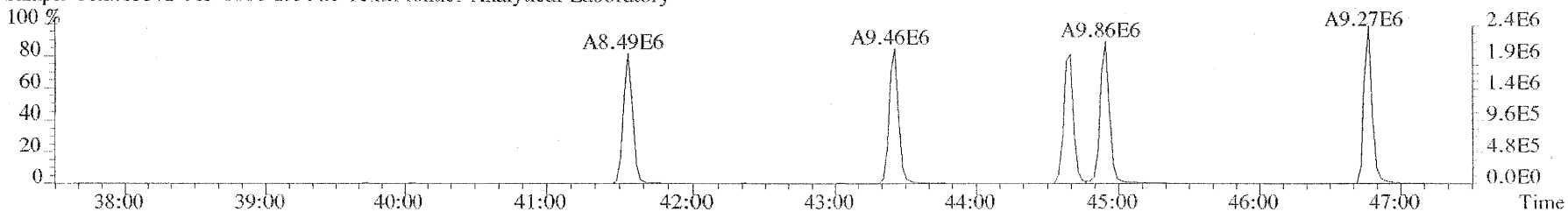
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



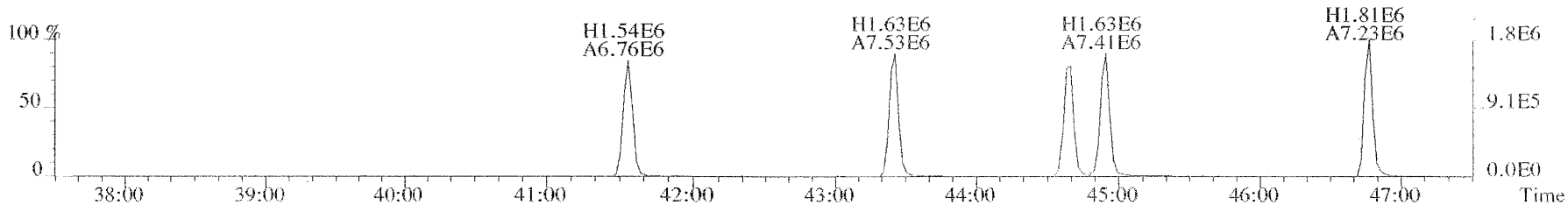
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



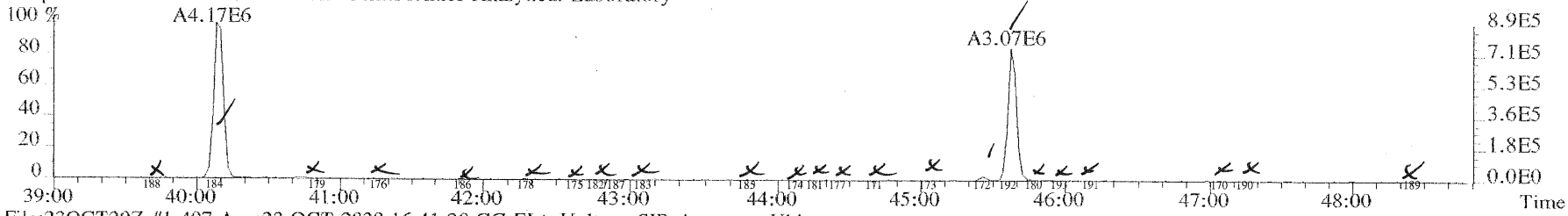
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



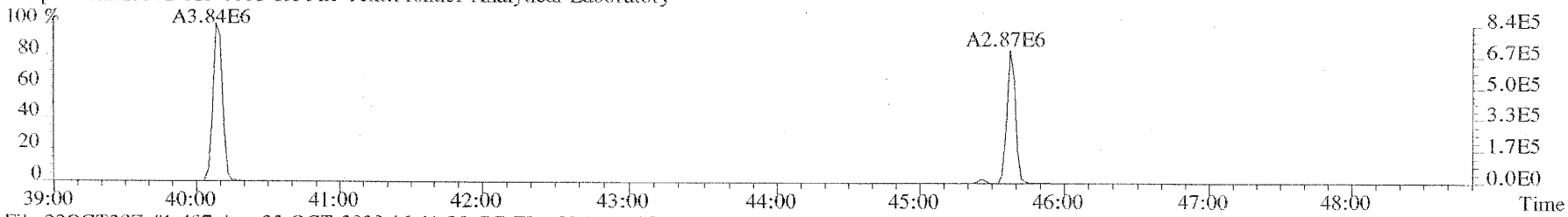
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 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:13372-015-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 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:13372-015-0001-SA File Text:Frontier Analytical Laboratory



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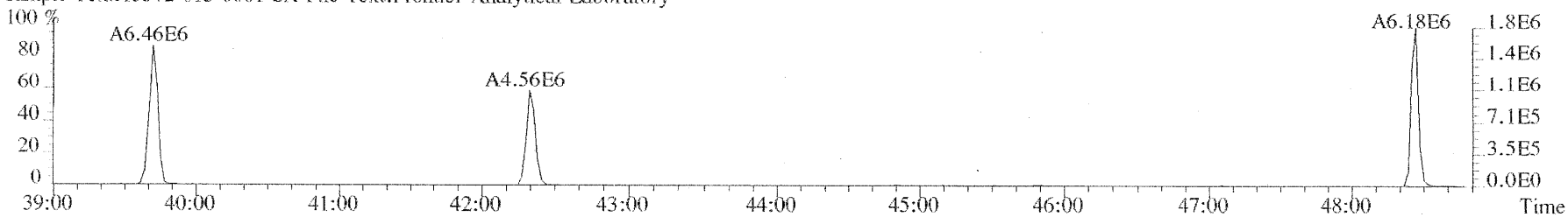
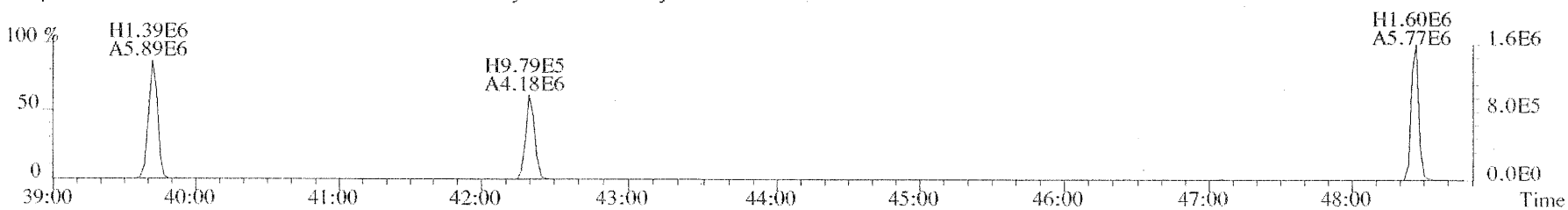
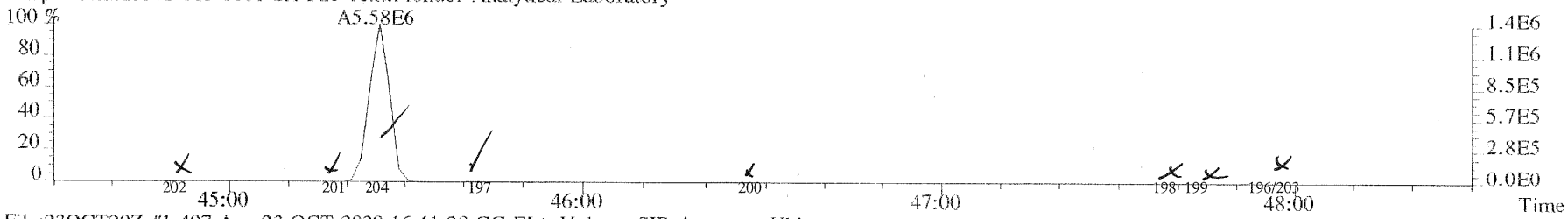
405.8428 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



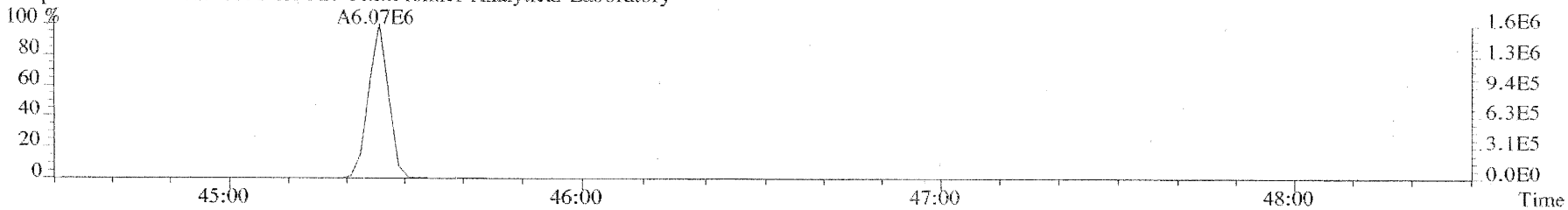
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



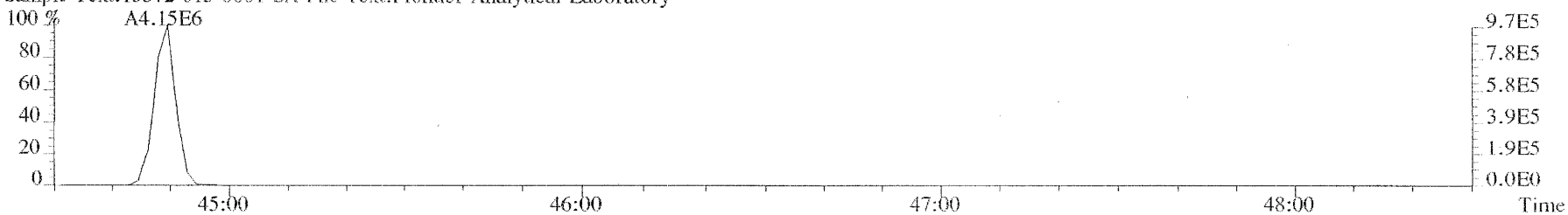
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



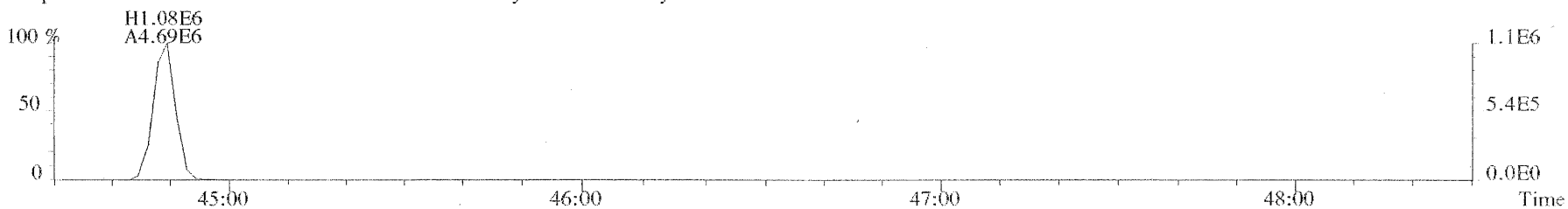
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



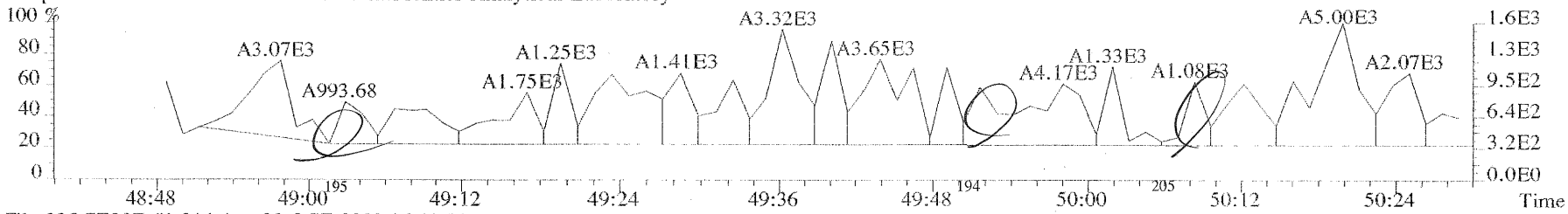
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



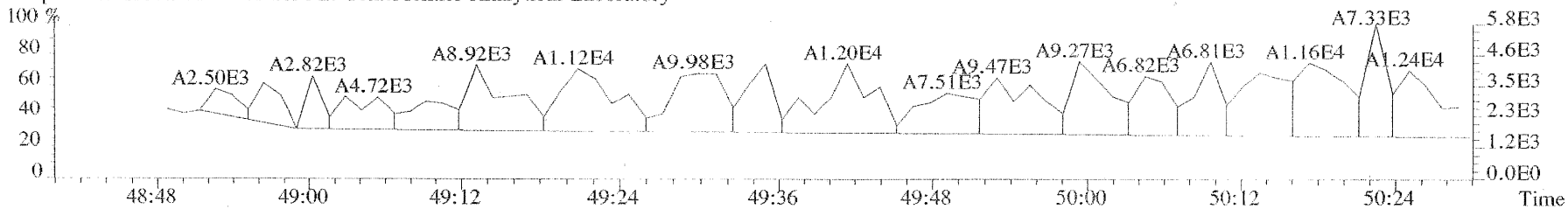
File:23OCT20Z #1-407 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



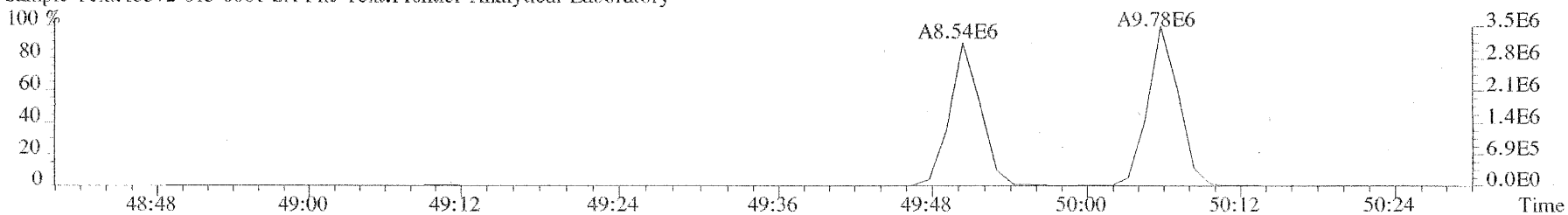
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



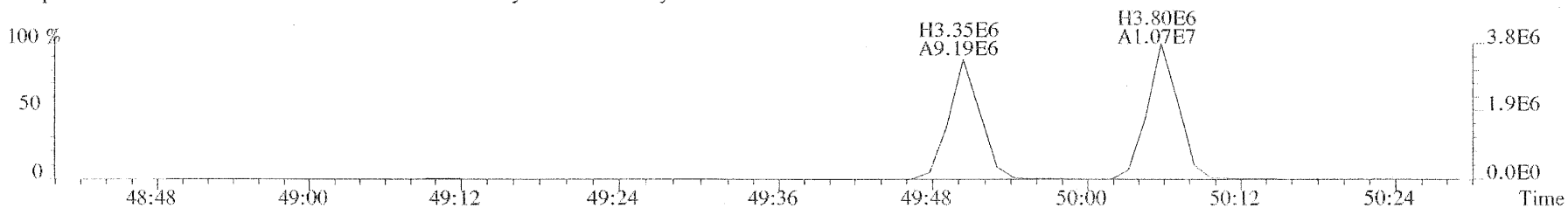
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



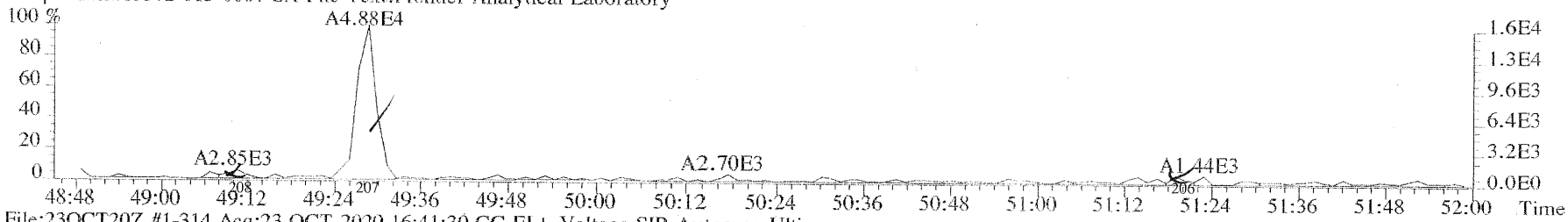
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



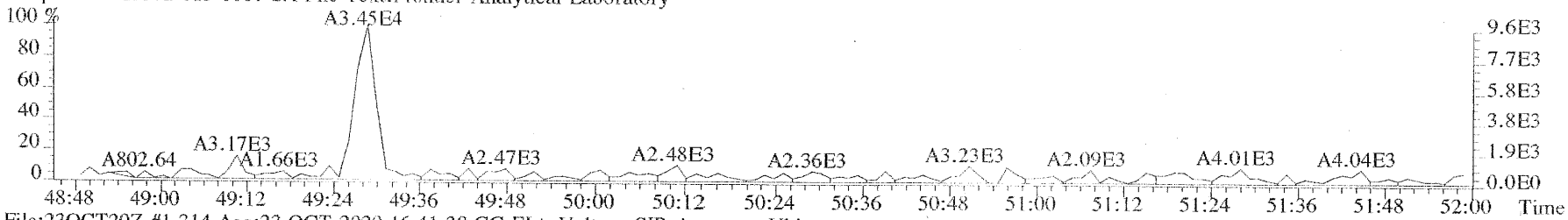
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



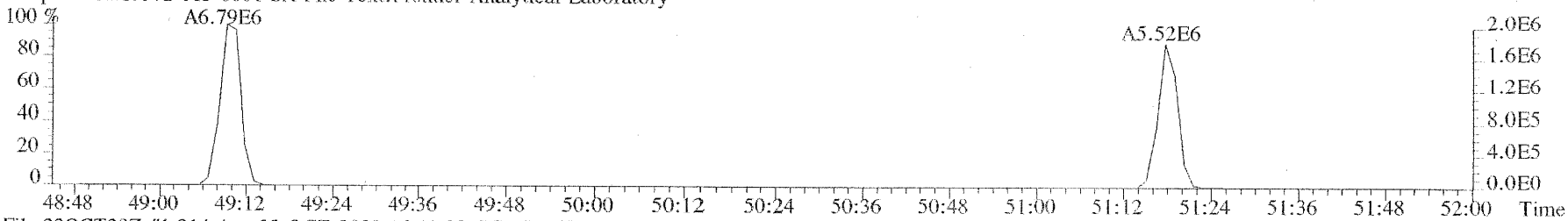
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



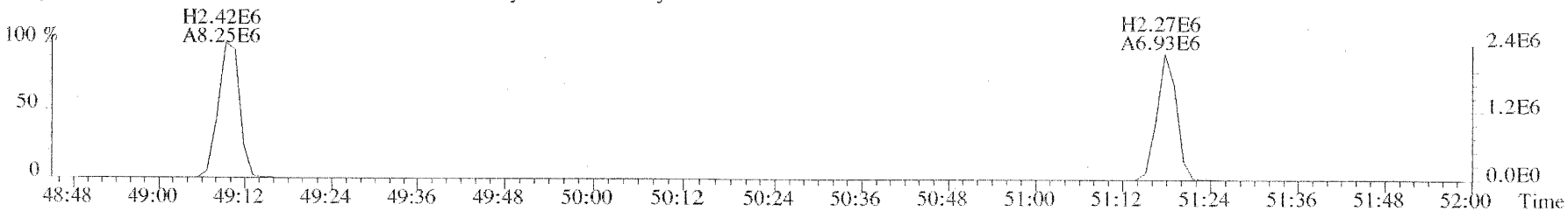
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



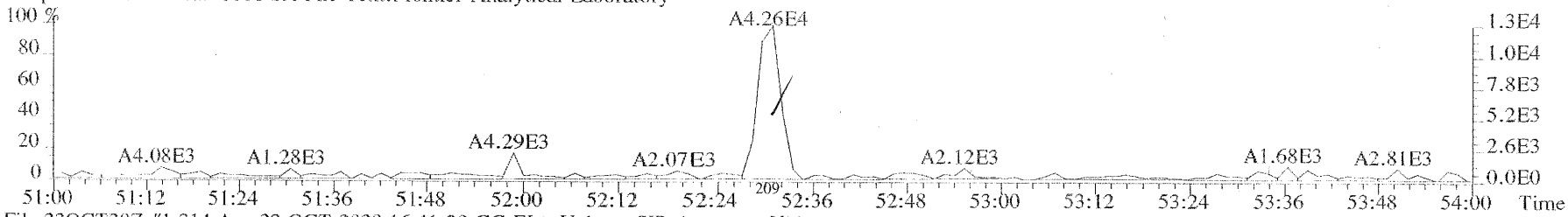
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



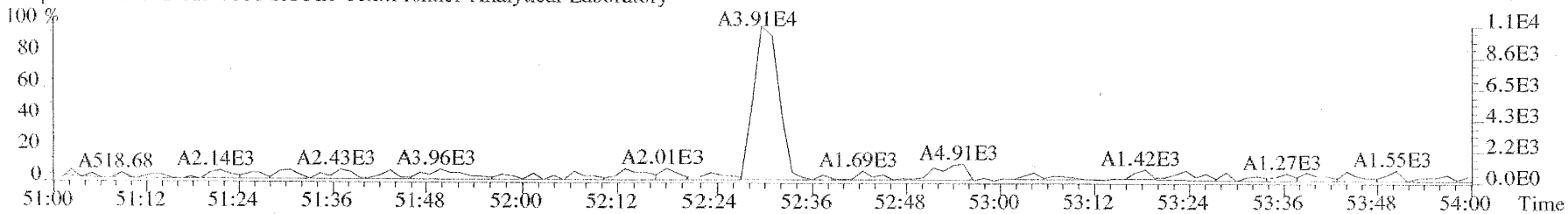
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



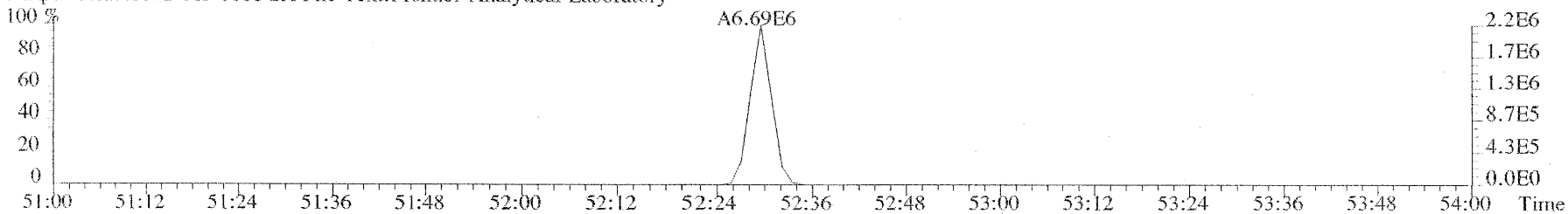
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



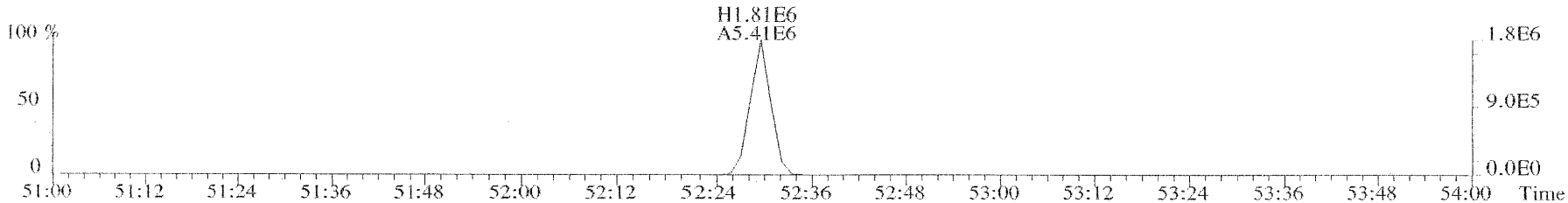
File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-015-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 16:41:30 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:13372-015-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-016-0001-SA Filename: 23OCT20Z Sam:8 Acquired: 23-OCT-20 17:39:52 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CA-S010 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	4.66e+05	3.25 y	14:33	1.35	99.3		-	-	*			
13C-PCB-1	3.46e+07	3.26 y	14:33	0.94	7250					72.5	9.22e+06	2.81e+06
PCB-2	*	* n	NotFnd	1.44	*		1200	992	3.47			
PCB-3	8.28e+04	2.93 y	16:58	1.39	18.1	J	-	-	*			
13C-PCB-3	3.30e+07	3.32 y	16:57	0.88	7390					73.9	7.61e+06	2.34e+06
PCB-4	1.77e+06	1.59 y	18:13	1.16	508		-	-	*			
PCB-10	2.17e+05	1.46 y	18:16	1.68	35.3		-	-	*			
13C-PCB-4	3.00e+07	1.62 y	18:11	0.70	8440					84.4	5.76e+06	3.61e+06
PCB-9	3.12e+05	1.46 y	19:53	1.55	54.7		-	-	*			
PCB-7	2.62e+05	1.50 y	19:55	1.55	46.0		-	-	*			
PCB-6	1.81e+06	1.35 y	20:30	1.48	331		-	-	*			
PCB-8	3.86e+06	1.43 y	20:52	1.50	699		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		773	4060	8.04			
PCB-14	3.63e+06	1.41 y	21:56	1.53	643		-	-	*			
PCB-11	2.81e+05	1.56 y	23:04	1.39	55.0		-	-	*			
PCB-13	1.11e+05	1.63 y	23:24	1.33	22.7		-	-	*			
PCB-12	*	* n	NotFnd	1.39	*		773	4060	8.58			
PCB-15	6.65e+05	1.43 y	23:43	1.30	118		-	-	*			
13C-PCB-15	4.36e+07	1.64 y	23:42	1.01	8470					84.7	6.66e+06	4.09e+06
PCB-19	8.50e+05	1.13 y	22:05	1.29	399		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2770	476	8.02			
PCB-18	6.91e+06	1.09 y	23:37	1.25	3350		-	-	*			
PCB-17	3.11e+06	1.08 y	23:47	1.44	1310		-	-	*			
PCB-27	3.45e+05	1.17 y	24:18	1.80	116		-	-	*			
PCB-24	4.33e+05	1.15 y	24:19	1.85	141		-	-	*			
PCB-16	1.70e+06	1.08 y	24:47	1.61	638		-	-	*			
PCB-32	2.73e+06	1.12 y	24:50	1.62	1020		-	-	*			
13C-PCB-19	1.65e+07	1.12 y	22:04	0.47	6910					69.1	2.59e+06	2.41e+06
13C-PCB-9	5.08e+07	1.60 y	19:51	-	109							
PCB-34	1.15e+05	1.14 y	25:35	1.18	25.9		-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1620	1550	7.37			
PCB-29	6.19e+04	1.15 y	25:54	1.36	12.2	J	-	-	*			
PCB-26	2.43e+06	1.03 y	26:06	1.34	482		-	-	*			
PCB-25	1.29e+06	1.03 y	26:16	1.27	271		-	-	*			
PCB-31	7.99e+06	1.06 y	26:35	1.41	1510		-	-	*			
PCB-28	7.49e+06	1.03 y	26:41	1.43	1390		-	-	*			
PCB-20	3.94e+06	1.06 y	27:18	1.27	826		-	-	*		Co-elute PCB 21/33	
PCB-21	3.94e+06	1.06 y	27:18	1.27	826		-	-	*		Co-elute PCB 20/33	
PCB-33	3.94e+06	1.06 y	27:18	1.27	826		-	-	*		Co-elute PCB 20/21	
PCB-22	2.05e+06	1.06 y	27:42	1.33	413		-	-	*			
PCB-36	3.64e+06	1.06 y	28:17	1.37	710		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1620	1550	8.04			
PCB-38	9.21e+04	1.13 y	29:27	1.35	18.2	J	-	-	*			
PCB-35	6.72e+04	1.13 y	29:58	1.27	14.1	J	-	-	*			
PCB-37	8.32e+05	1.14 y	30:23	1.21	183		-	-	*			
13C-PCB-37	3.75e+07	1.08 y	30:21	1.77	9380					93.8	4.25e+06	3.94e+06

PCB-54	4.21e+04	0.77	y	25:36	1.36	13.2	J	-	-	*			
PCB-50	5.90e+04	0.78	y	26:42	1.16	21.7		-	-	*			
PCB-53	1.39e+06	0.78	y	27:19	1.02	578		-	-	*			
PCB-51	4.48e+05	0.78	y	27:39	1.04	184		-	-	*			
PCB-45	1.12e+06	0.78	y	28:03	0.98	490		-	-	*			
PCB-46	4.62e+05	0.73	y	28:31	0.92	215		-	-	*			
PCB-52	8.95e+06	0.78	y	28:57	1.11	3460		-	-	*	Co-elute PCB 69		
PCB-69	8.95e+06	0.78	y	28:57	1.11	3460		-	-	*	Co-elute PCB 52		
PCB-73	1.53e+05	0.70	y	29:04	1.30	50.3		-	-	*			
PCB-43	5.88e+06	0.79	y	29:15	1.00	2520		-	-	*	Co-elute PCB 49		
PCB-49	5.88e+06	0.79	y	29:15	1.00	2520		-	-	*	Co-elute PCB 43		
PCB-47	1.89e+06	0.79	y	29:27	0.99	812		-	-	*			
PCB-48	1.48e+06	0.80	y	29:34	1.26	501		-	-	*	Co-elute PCB 75		
PCB-75	1.48e+06	0.80	y	29:34	1.26	501		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		1160	1250	7.36			
PCB-62	*	*	n	NotFnd	1.19	*		1160	1250	8.34			
PCB-44	4.55e+06	0.81	y	30:12	0.85	2290		-	-	*			
PCB-42	2.12e+06	0.81	y	30:25	1.12	812		-	-	*	Co-elute PCB 59		
PCB-59	2.12e+06	0.81	y	30:25	1.12	812		-	-	*	Co-elute PCB 42		
PCB-72	4.76e+06	0.79	y	30:58	1.22	1660		-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.76e+06	0.79	y	30:58	1.22	1660		-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.76e+06	0.79	y	30:58	1.22	1660		-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.76e+06	0.79	y	30:58	1.22	1660		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.13e+05	0.82	y	31:13	1.32	36.7		-	-	*			
PCB-40	6.86e+05	0.79	y	31:24	0.82	359		-	-	*			
PCB-57	6.04e+04	0.77	y	31:46	1.33	19.4	J	-	-	*			
PCB-67	2.10e+05	0.75	y	32:03	1.26	70.9		-	-	*			
PCB-58	5.04e+04	0.87	y	32:07	1.27	17.0	J	-	-	*			
PCB-63	2.27e+05	0.82	y	32:18	1.35	71.7		-	-	*			
PCB-74	1.99e+06	0.81	y	32:35	1.24	687		-	-	*			
PCB-61	4.35e+06	0.79	y	32:46	1.17	1580		-	-	*	Co-elute PCB 70		
PCB-70	4.35e+06	0.79	y	32:46	1.17	1580		-	-	*	Co-elute PCB 61		
PCB-76	3.82e+06	0.80	y	32:59	1.39	1170		-	-	*	Co-elute PCB 66		
PCB-66	3.82e+06	0.80	y	32:59	1.39	1170		-	-	*	Co-elute PCB 76		
PCB-80	6.63e+04	0.81	y	33:10	1.56	18.1	J	-	-	*			
PCB-55	2.01e+05	0.81	y	33:28	1.32	65.0		-	-	*			
13C-PCB-54	2.34e+07	0.84	y	25:35	1.32	7880					78.8	2.75e+06	3.34e+06
PCB-104	3.70e+06	1.57	y	30:03	1.23	2080		-	-	*			
PCB-96	5.60e+04	1.57	y	31:14	1.20	32.2		-	-	*			
PCB-103	1.03e+05	1.45	y	31:46	1.01	70.7		-	-	*			
PCB-100	4.24e+04	1.73	y	32:05	0.94	31.3		-	-	*			
PCB-94	2.13e+04	1.61	y	32:32	0.78	19.0	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.77	*		292	344	5.44	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		292	344	5.44	Co-elute PCB 98		
PCB-95	3.68e+06	1.58	y	33:03	0.96	2640		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		292	344	4.55			
PCB-88	*	*	n	NotFnd	0.52	*		292	344	8.07	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		292	344	8.07	Co-elute PCB 88		
PCB-121	6.69e+06	1.54	y	33:30	1.08	4260		-	-	*			
13C-PCB-104	1.45e+07	1.61	y	30:02	0.96	6660					66.6	2.32e+06	1.45e+06
13C-PCB-28	4.48e+07	1.08	y	26:40	2.13	9340					93.4	5.98e+06	5.64e+06
13C-PCB-52	2.26e+07	0.81	y	28:56	-	104							

PCB-56	2.60e+06	0.77	y	33:57	1.21	650		-	-	*		Co-elute PCB 60
PCB-60	2.60e+06	0.77	y	33:57	1.21	650		-	-	*		Co-elute PCB 56
PCB-79	9.62e+04	0.75	y	34:59	1.38	21.1		-	-	*		
PCB-78	1.09e+07	0.80	y	35:38	1.38	2390		-	-	*		
PCB-81	1.20e+05	0.75	y	36:10	1.41	26.2		-	-	*		
13C-PCB-81	3.25e+07	0.81	y	36:07	1.78	9440					94.4	3.05e+06 3.80e+06
PCB-77	2.29e+05	0.83	y	36:41	1.17	58.4		-	-	*		
13C-PCB-77	3.36e+07	0.81	y	36:41	1.84	9470					94.7	3.02e+06 3.63e+06
PCB-155	7.53e+06	1.27	y	34:13	1.14	4030		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		624	464	6.80		
PCB-152	*	*	n	NotFnd	1.15	*		624	464	6.28		
PCB-145	*	*	n	NotFnd	1.06	*		624	464	6.79		
PCB-136	5.59e+05	1.32	y	36:36	1.05	324		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		624	464	7.86		
PCB-154	7.71e+04	1.36	y	37:10	0.93	50.4		-	-	*		
13C-PCB-155	1.64e+07	1.29	y	34:11	1.26	6720					67.2	2.11e+06 1.65e+06
13C-PCB-111	2.25e+07	1.64	y	36:16	1.32	8840					88.4	3.17e+06 1.92e+06
13C-PCB-101	1.93e+07	1.62	y	34:37	-	110						
PCB-84	2.65e+06	1.61	y	34:17	0.74	1160		-	-	*		Co-elute PCB 92
PCB-92	2.65e+06	1.61	y	34:17	0.74	1160		-	-	*		Co-elute PCB 84
PCB-89	8.54e+04	1.62	y	34:27	0.77	36.1		-	-	*		
PCB-90	5.30e+06	1.61	y	34:38	0.80	2150		-	-	*		Co-elute PCB 101
PCB-101	5.30e+06	1.61	y	34:38	0.80	2150		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		850	730	6.90		
PCB-99	2.56e+06	1.63	y	34:57	0.92	902		-	-	*		
PCB-119	2.61e+05	1.66	y	35:24	1.06	80.1		-	-	*		
PCB-83	2.80e+05	1.58	y	35:34	0.83	109		-	-	*		Co-elute PCB 112
PCB-112	2.80e+05	1.58	y	35:34	0.83	109		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		850	730	6.33		
PCB-97	1.34e+06	1.64	y	35:53	0.68	641		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		850	730	9.05		
PCB-125	1.44e+06	1.70	y	36:10	0.92	507		-	-	*		Co-elute PCB 87/117
PCB-87	1.44e+06	1.70	y	36:10	0.92	507		-	-	*		Co-elute PCB 125/117
PCB-117	1.44e+06	1.70	y	36:10	0.92	507		-	-	*		Co-elute PCB 125/87
PCB-111	6.75e+04	1.52	y	36:18	0.99	22.1		-	-	*		Co-elute PCB 115
PCB-115	6.75e+04	1.52	y	36:18	0.99	22.1		-	-	*		Co-elute PCB 111
PCB-85	6.11e+05	1.66	y	36:25	0.92	216		-	-	*		Co-elute PCB 116
PCB-116	6.11e+05	1.66	y	36:25	0.92	216		-	-	*		Co-elute PCB 85
PCB-120	4.08e+04	1.42	y	36:37	1.12	11.9	J	-	-	*		
PCB-110	5.58e+06	1.59	y	36:46	0.99	1820		-	-	*		
PCB-82	3.47e+05	1.46	y	37:23	0.65	173		-	-	*		
PCB-124	1.71e+05	1.61	y	38:03	1.25	44.2		-	-	*		
PCB-108	3.70e+05	1.53	y	38:11	1.23	97.5		-	-	*		Co-elute PCB 107
PCB-107	3.70e+05	1.53	y	38:11	1.23	97.5		-	-	*		Co-elute PCB 108
PCB-123	6.84e+04	1.53	y	38:21	1.19	19.1	J	-	-	*		
13C-PCB-123	3.00e+07	1.59	y	38:19	1.42	9360					93.6	3.94e+06 2.47e+06
PCB-118	4.02e+06	1.61	y	38:31	1.22	1010		-	-	*		Co-elute PCB 106
PCB-106	4.02e+06	1.61	y	38:31	1.22	1010		-	-	*		Co-elute PCB 118
13C-PCB-118	3.26e+07	1.63	y	38:29	1.59	9110					91.1	4.43e+06 2.74e+06
PCB-114	9.15e+04	1.36	y	39:07	1.18	25.0		-	-	*		
13C-PCB-114	3.10e+07	1.63	y	39:07	1.50	9190					91.9	4.05e+06 2.50e+06
PCB-122	4.96e+04	1.58	y	39:15	1.30	12.4	J	-	-	*		
PCB-105	1.23e+06	1.78	y	39:56	1.36	304		-	-	*		
13C-PCB-105	2.99e+07	1.64	y	39:55	1.52	8730					87.3	3.60e+06 2.18e+06

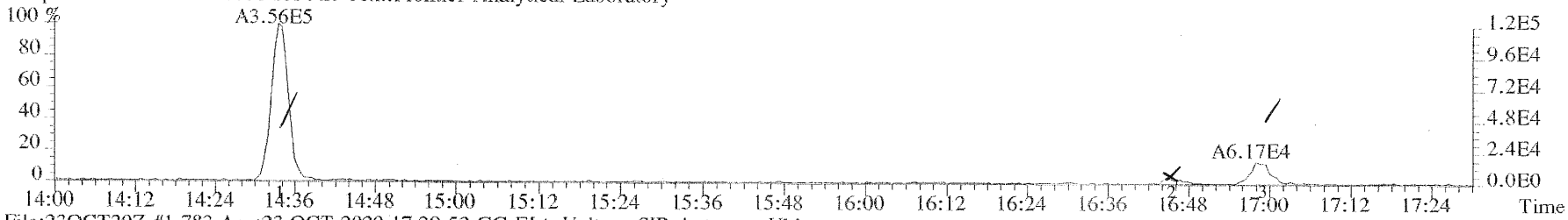
PCB-127	*	*	n	NotFnd	1.27	*		1030	1000	6.18				
PCB-126	*	*	n	NotFnd	1.23	*		1030	1000	6.42				
13C-PCB-126	3.00e+07	1.60	y	42:03	1.36	9780					97.8	3.96e+06	2.47e+06	
PCB-151	9.05e+05	1.25	y	37:46	1.14	357		-	-	*				
PCB-135	5.81e+05	1.16	y	38:00	1.05	249		-	-	*				
PCB-144	1.63e+05	1.23	y	38:04	1.17	62.8		-	-	*				
PCB-147	8.30e+04	1.38	y	38:13	1.24	30.1		-	-	*				
PCB-139	3.27e+06	1.28	y	38:27	1.14	1290		-	-	*		Co-elute PCB 149		
PCB-149	3.27e+06	1.28	y	38:27	1.14	1290		-	-	*		Co-elute PCB 139		
PCB-140	5.11e+04	1.07	y	38:39	1.27	18.1	J	-	-	*				
PCB-143	1.98e+05	1.26	y	39:04	1.00	89.1		-	-	*		Co-elute PCB 134		
PCB-134	1.98e+05	1.26	y	39:04	1.00	89.1		-	-	*		Co-elute PCB 143		
PCB-131	1.05e+05	1.41	y	39:19	1.00	47.4		-	-	*		Co-elute PCB 133		
PCB-133	1.05e+05	1.41	y	39:19	1.00	47.4		-	-	*		Co-elute PCB 131		
PCB-142	1.39e+06	1.21	y	39:28	1.05	592		-	-	*				
PCB-165	6.20e+05	1.39	y	39:42	1.30	215		-	-	*		Co-elute PCB 146		
PCB-146	6.20e+05	1.39	y	39:42	1.30	215		-	-	*		Co-elute PCB 165		
PCB-161	1.04e+06	1.16	y	39:58	1.24	378		-	-	*		Co-elute PCB 132		
PCB-132	1.04e+06	1.16	y	39:58	1.24	378		-	-	*		Co-elute PCB 161		
PCB-153	3.13e+06	1.29	y	40:05	1.40	1000		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1170	1010	7.88				
PCB-141	4.44e+05	1.36	y	40:47	1.13	177		-	-	*				
PCB-137	9.34e+04	1.27	y	41:09	1.01	41.5		-	-	*				
PCB-130	1.81e+05	1.18	y	41:14	1.05	77.4		-	-	*				
PCB-138	2.91e+06	1.25	y	41:35	1.25	1050		-	-	*		Co-elute PCB 163/164		
PCB-163	2.91e+06	1.25	y	41:35	1.25	1050		-	-	*		Co-elute PCB 138/164		
PCB-164	2.91e+06	1.25	y	41:35	1.25	1050		-	-	*		Co-elute PCB 138/163		
PCB-158	3.42e+05	1.30	y	41:48	1.42	108		-	-	*		Co-elute PCB 160		
PCB-160	3.42e+05	1.30	y	41:48	1.42	108		-	-	*		Co-elute PCB 158		
PCB-129	9.36e+04	1.27	y	42:03	0.99	42.4		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		1170	1010	7.68				
PCB-159	5.20e+04	1.11	y	42:49	1.53	15.3	J	-	-	*				
PCB-128	3.47e+05	1.37	y	43:04	1.14	137		-	-	*		Co-elute PCB 162		
PCB-162	3.47e+05	1.37	y	43:04	1.14	137		-	-	*		Co-elute PCB 128		
PCB-167	9.85e+04	1.36	y	43:25	1.33	32.9		-	-	*				
13C-PCB-167	2.26e+07	1.29	y	43:25	1.16	8670					86.7	2.80e+06	2.16e+06	
PCB-156	1.96e+05	1.26	y	44:39	1.40	64.2		-	-	*				
13C-PCB-156	2.19e+07	1.25	y	44:38	1.13	8590					85.9	2.55e+06	2.06e+06	
PCB-157	5.66e+04	1.31	y	44:54	1.26	20.3		-	-	*				
13C-PCB-157	2.22e+07	1.26	y	44:54	1.14	8610					86.1	2.67e+06	2.09e+06	
PCB-169	*	*	n	NotFnd	1.22	*		1170	1010	7.65				
13C-PCB-169	2.23e+07	1.25	y	46:46	1.04	9550					95.5	3.27e+06	2.57e+06	

FAL ID: 13372-016-0001-SA Filename: 23OCT20Z Sam:8 Acquired: 23-OCT-20 17:39:52 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CA-S010 ConCal: ST102320Z1 EndCal: ST102320Z2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

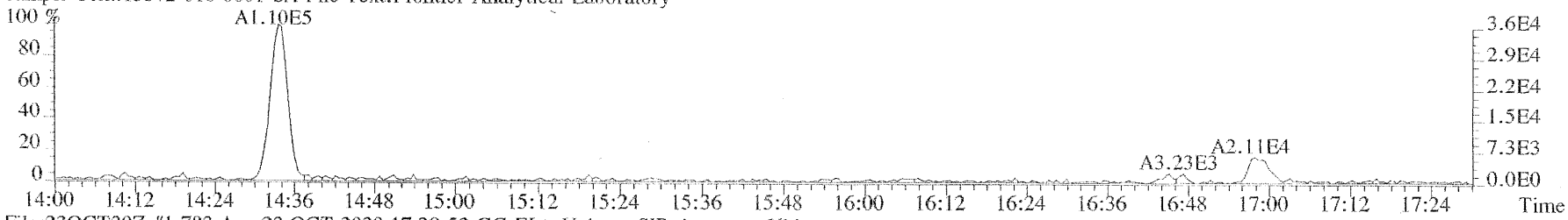
PCB-188	4.81e+04	1.10	y	39:43	1.19	23.7		-	-	*		
13C-PCB-188	1.70e+07	1.08	y	39:42	1.06	7090					70.9	2.07e+06	1.90e+06
PCB-184	1.09e+07	1.07	y	40:08	1.38	4810		-	-	*		
PCB-179	2.67e+05	0.99	y	40:52	1.38	118		-	-	*		
PCB-176	1.00e+05	1.12	y	41:19	1.33	46.1		-	-	*		
PCB-186	*	*	n	NotFnd	1.25	*		590	516	5.28		
PCB-178	8.96e+04	1.08	y	42:21	0.95	57.9		-	-	*		
PCB-175	*	*	n	NotFnd	0.98	*		590	516	6.75		
PCB-187	4.69e+05	1.01	y	42:51	1.04	274		-	-	*	Co-elute PCB 182	
PCB-182	4.69e+05	1.01	y	42:51	1.04	274		-	-	*	Co-elute PCB 187	
PCB-183	2.22e+05	1.05	y	43:09	1.07	126		-	-	*		
PCB-185	3.60e+04	1.09	y	43:48	0.88	24.9		-	-	*		
PCB-174	3.20e+05	1.10	y	44:07	0.94	208		-	-	*		
PCB-181	*	*	n	NotFnd	0.93	*		590	516	7.13		
PCB-177	2.02e+05	1.11	y	44:23	0.90	136		-	-	*		
PCB-171	8.45e+04	0.99	y	44:39	0.96	53.7		-	-	*		
PCB-173	*	*	n	NotFnd	0.84	*		590	516	7.85		
PCB-172	2.09e+05	1.17	y	45:26	0.90	142		-	-	*		
PCB-192	8.31e+06	1.08	y	45:37	1.07	4730		-	-	*		
PCB-180	5.81e+05	1.07	y	45:49	0.86	414		-	-	*		
PCB-193	5.55e+04	1.06	y	45:58	1.19	28.4		-	-	*		
PCB-191	*	*	n	NotFnd	1.19	*		590	516	5.54		
PCB-170	1.80e+05	1.09	y	47:06	0.86	128		-	-	*		
PCB-190	6.59e+04	1.09	y	47:16	1.17	34.4		-	-	*		
PCB-189	*	*	n	NotFnd	1.16	*		590	516	5.34		
13C-PCB-189	1.57e+07	1.10	y	48:27	0.86	8100					81.0	2.35e+06	2.10e+06
PCB-202	*	*	n	NotFnd	1.11	*		408	432	6.90		
PCB-201	*	*	n	NotFnd	1.27	*		408	432	6.06		
PCB-204	1.73e+07	0.92	y	45:26	1.28	11200		-	-	*		
PCB-197	9.19e+04	0.82	y	45:42	1.20	63.5		-	-	*		
PCB-200	*	*	n	NotFnd	1.25	*		408	432	6.13		
PCB-198	*	*	n	NotFnd	0.90	*		408	432	8.58		
PCB-199	7.06e+04	0.87	y	47:42	0.85	68.6		-	-	*		
PCB-203	7.08e+04	0.89	y	47:57	0.95	61.7		-	-	*	Co-elute PCB 196	
PCB-196	7.08e+04	0.89	y	47:57	0.95	61.7		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.21e+07	0.90	y	44:49	0.77	7020					70.2	1.29e+06	1.44e+06
13C-PCB-178	1.30e+07	1.08	y	42:20	0.76	7610					76.1	1.47e+06	1.35e+06
13C-PCB-138	2.25e+07	1.30	y	41:33	-	113							
PCB-195	5.00e+04	0.88	y	49:04	0.94	20.5		-	-	*		
PCB-194	1.22e+05	0.98	y	49:52	1.03	45.5		-	-	*		
PCB-205	*	*	n	NotFnd	1.17	*		1140	1610	6.27		
13C-PCB-205	2.60e+07	0.92	y	50:06	1.30	8360					83.6	4.49e+06	4.88e+06
PCB-208	*	*	n	NotFnd	1.16	*		848	924	5.32		
13C-PCB-208	2.15e+07	0.82	y	49:09	1.13	8010					80.1	3.23e+06	3.94e+06
PCB-207	1.14e+05	1.29	y	49:28	1.39	44.7		-	-	*		
PCB-206	2.91e+04	1.27	y	51:19	1.17	16.5	J	-	-	*		
13C-PCB-206	1.51e+07	0.81	y	51:18	0.85	7450					74.5	2.37e+06	2.96e+06
PCB-209	1.27e+05	1.23	y	52:30	1.24	69.4		-	-	*		
13C-PCB-209	1.48e+07	1.21	y	52:30	0.88	7080					70.8	2.62e+06	2.23e+06
13C-PCB-194	2.39e+07	0.92	y	49:50	-	120							

Analyst: _____ Date: 10/28/20

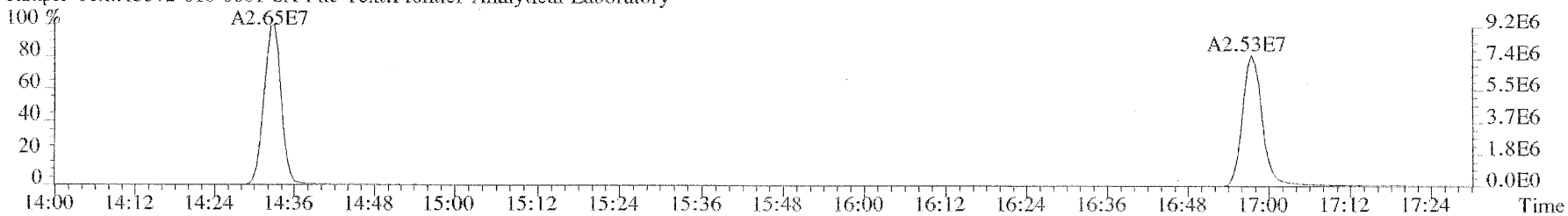
File:23OCT20Z #1-783 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



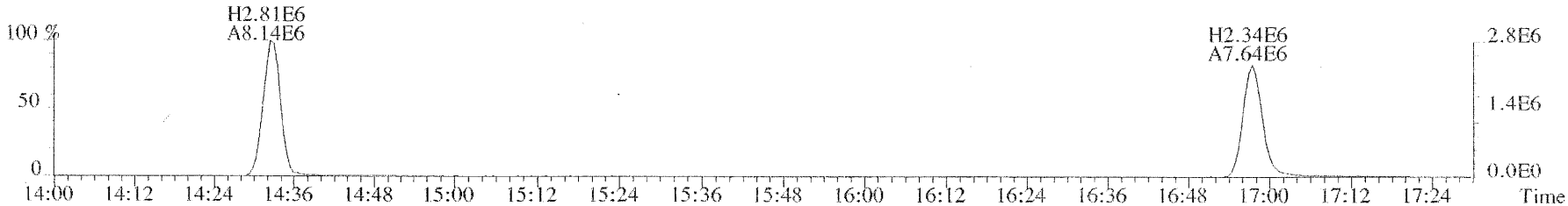
File:23OCT20Z #1-783 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



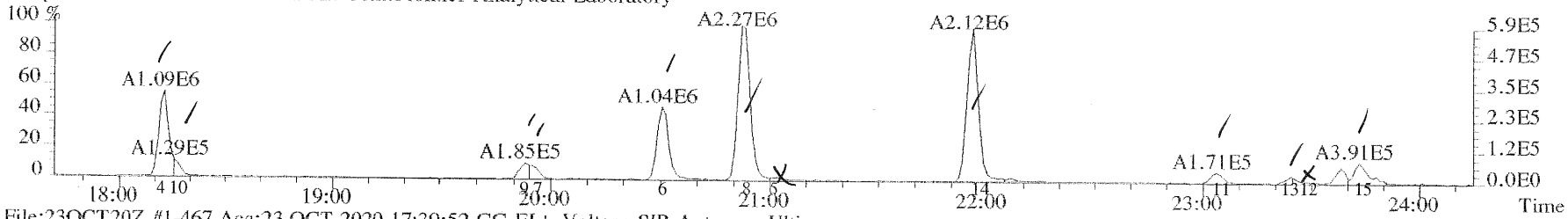
File:23OCT20Z #1-783 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



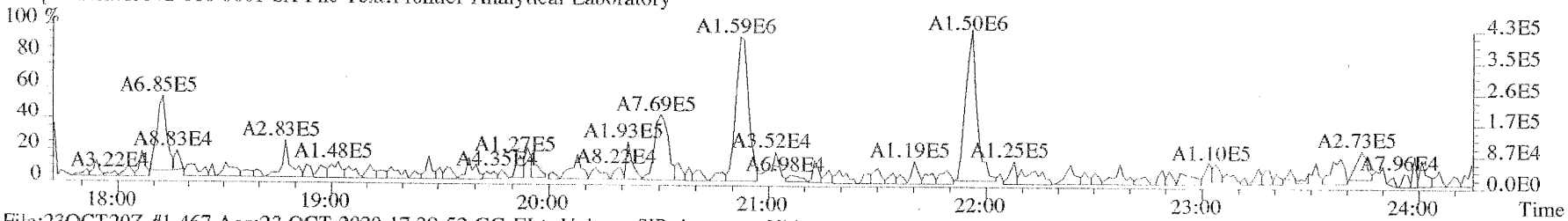
File:23OCT20Z #1-783 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



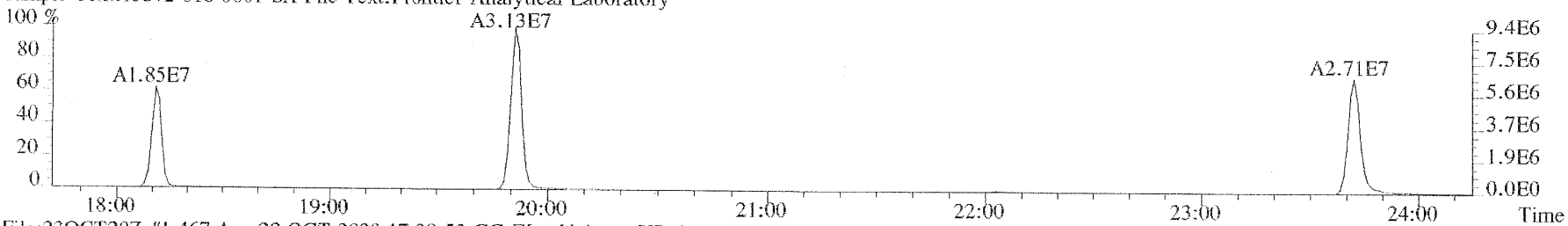
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



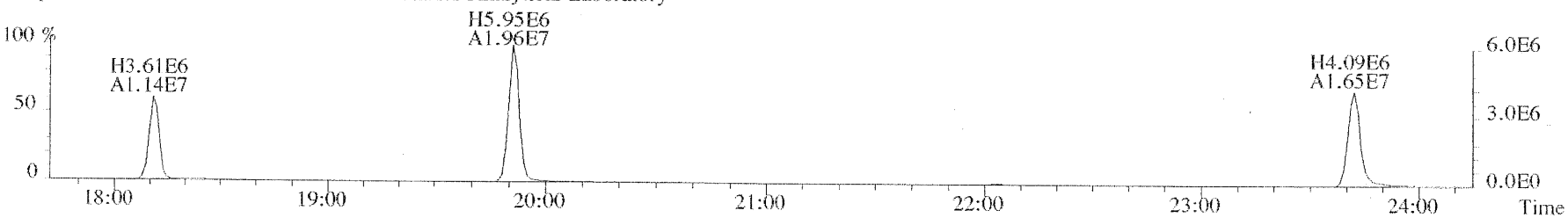
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



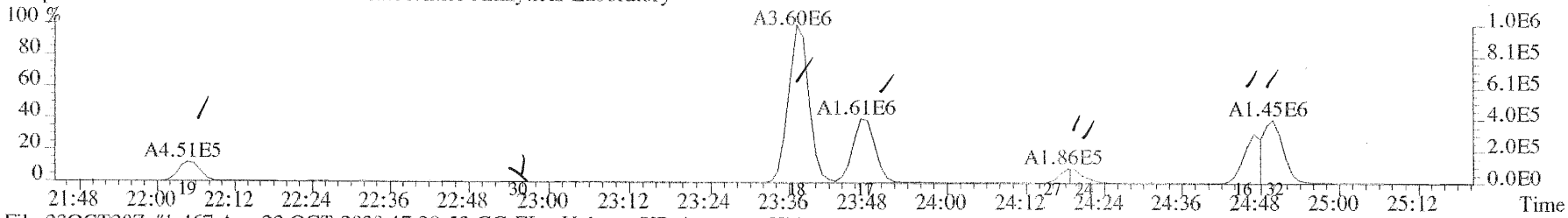
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



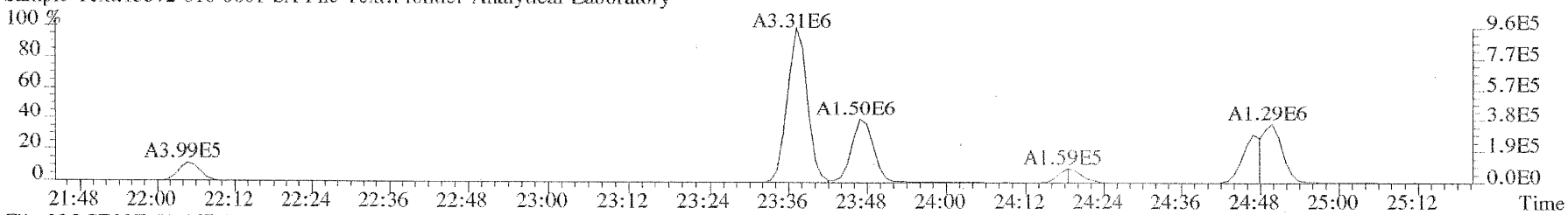
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



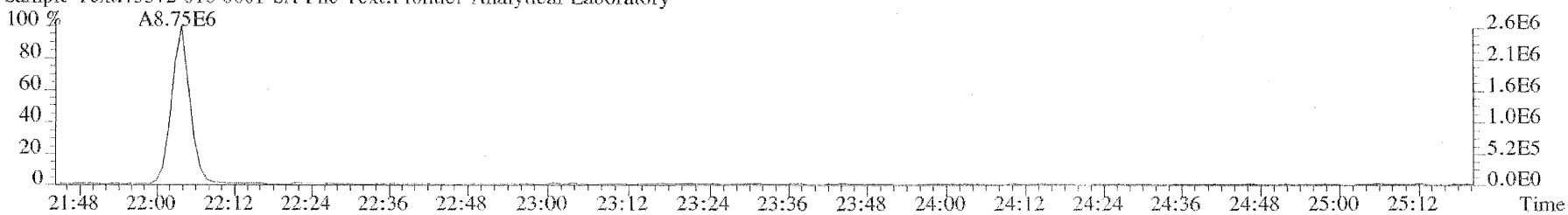
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



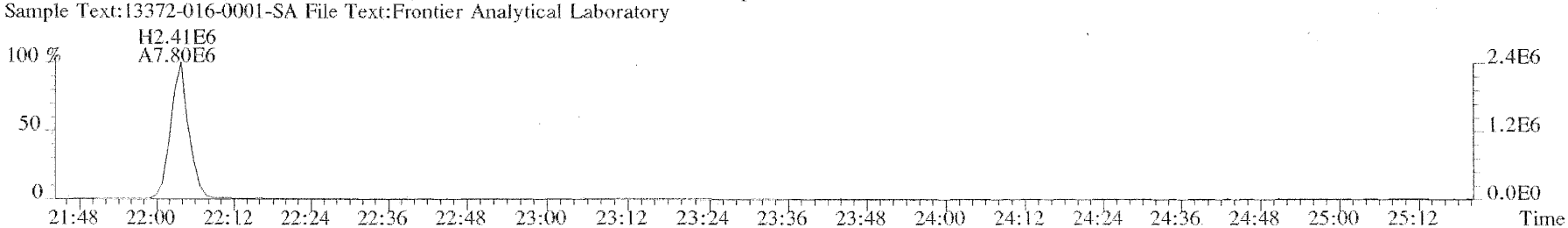
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



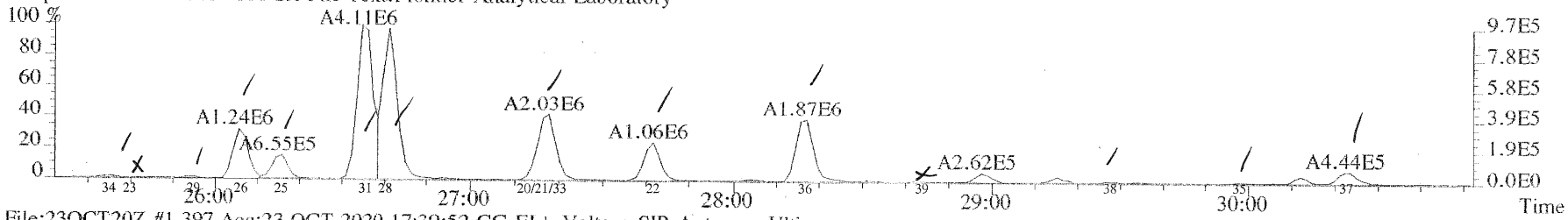
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



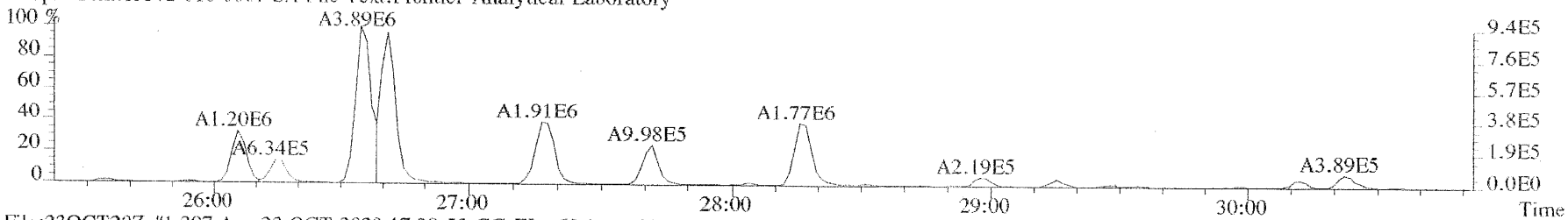
File:23OCT20Z #1-467 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 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:13372-016-0001-SA File Text:Frontier Analytical Laboratory

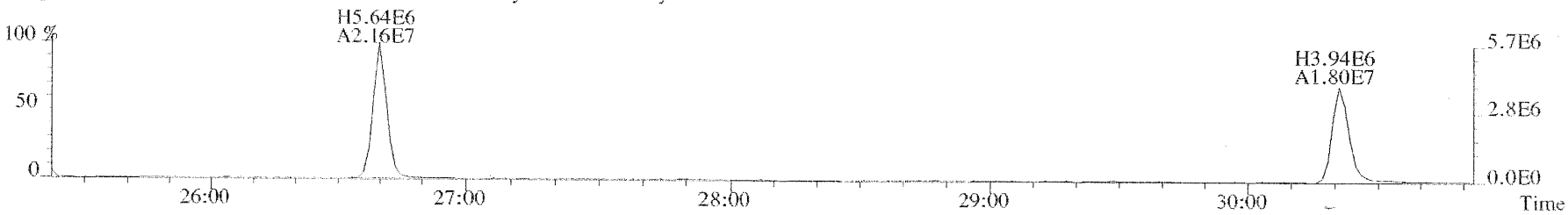


File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory

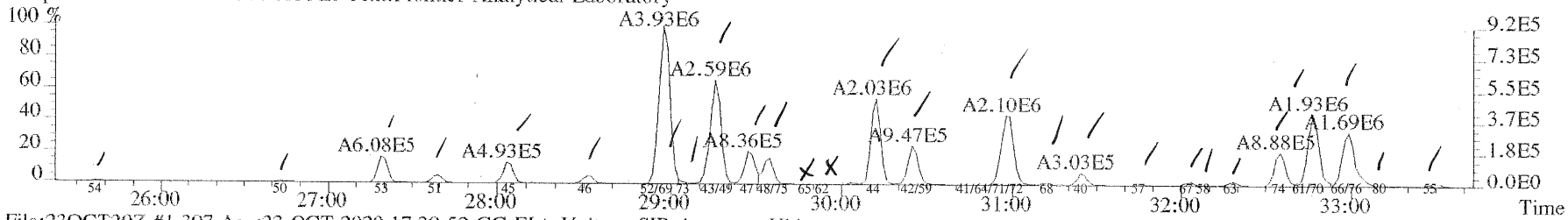


File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory

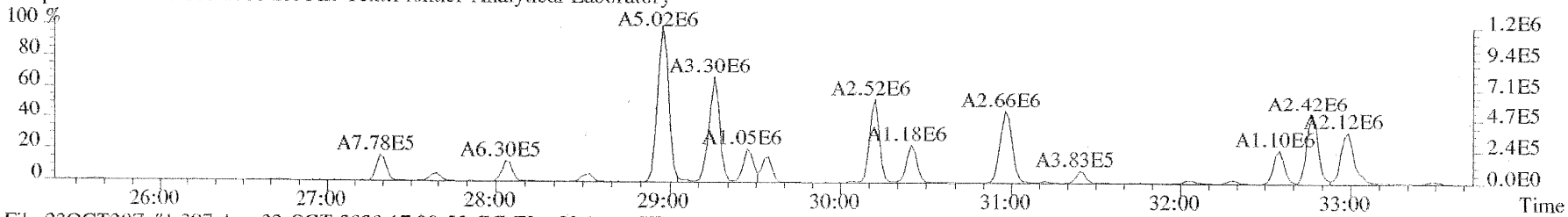
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



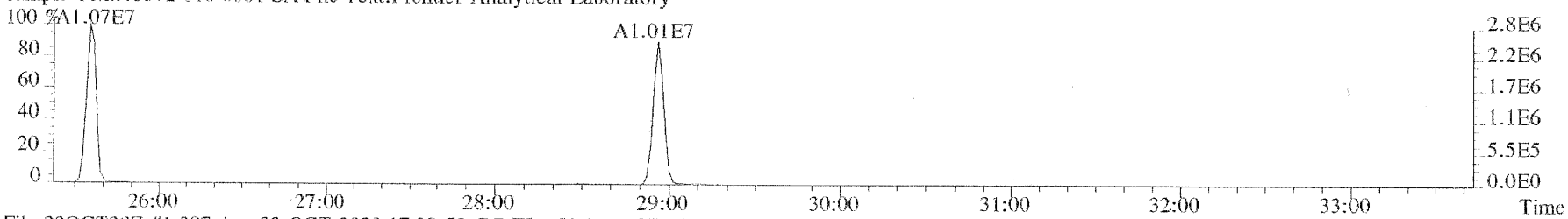
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



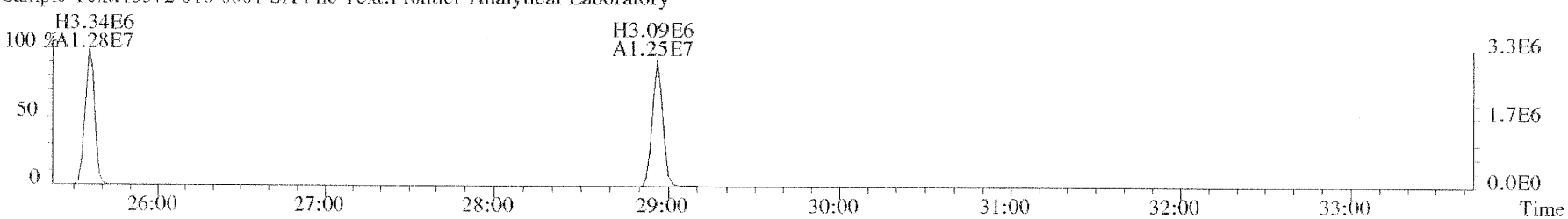
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



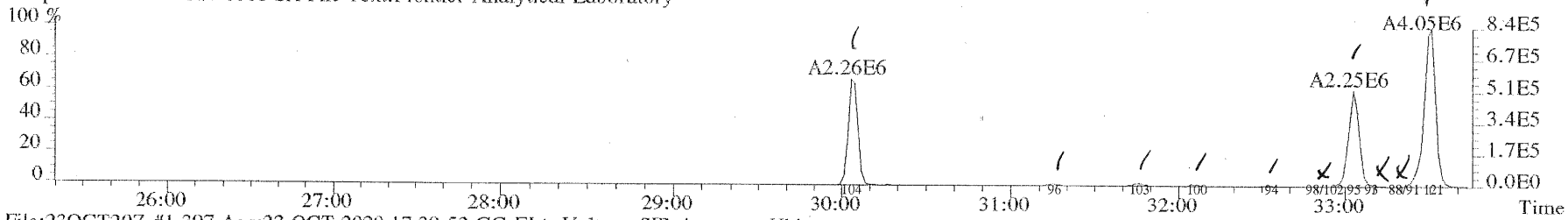
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



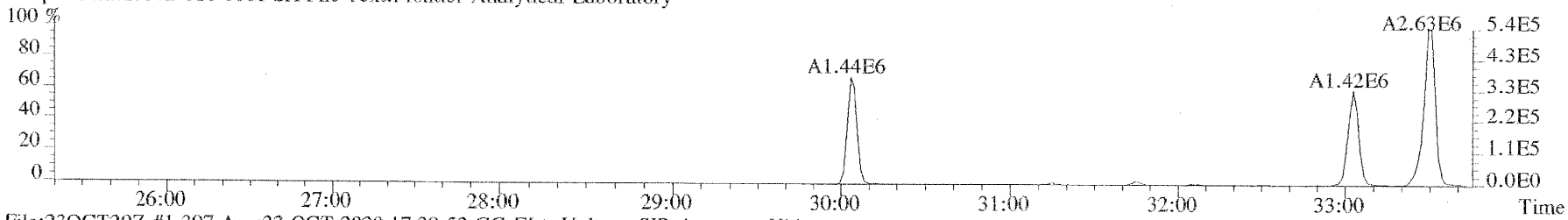
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



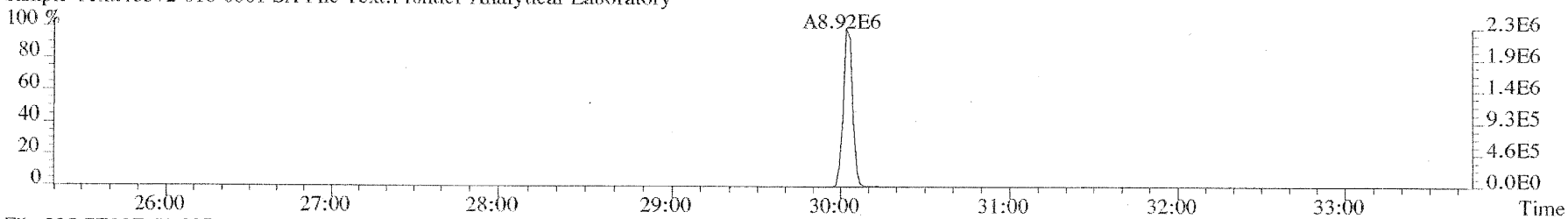
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



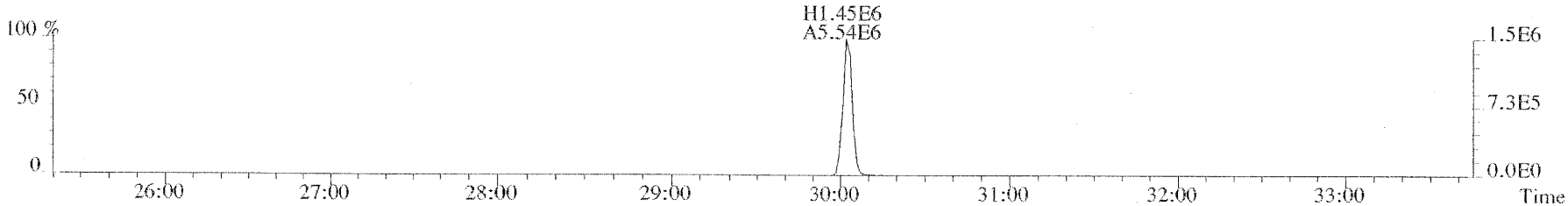
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



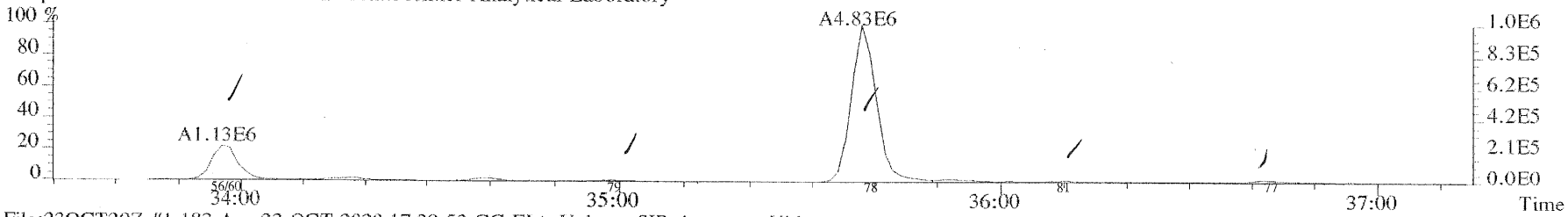
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



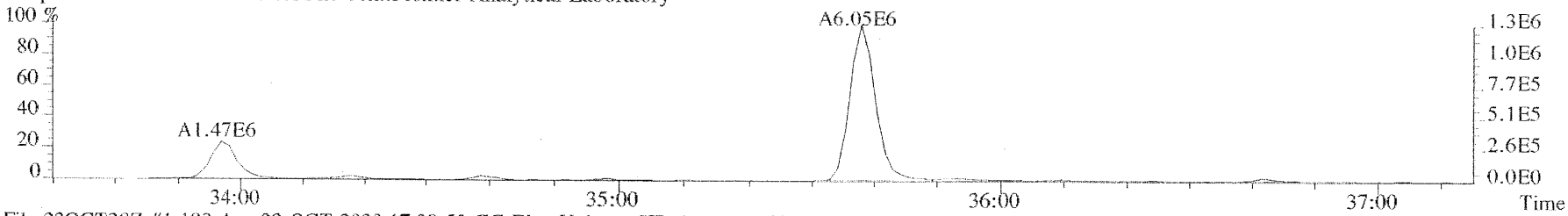
File:23OCT20Z #1-397 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



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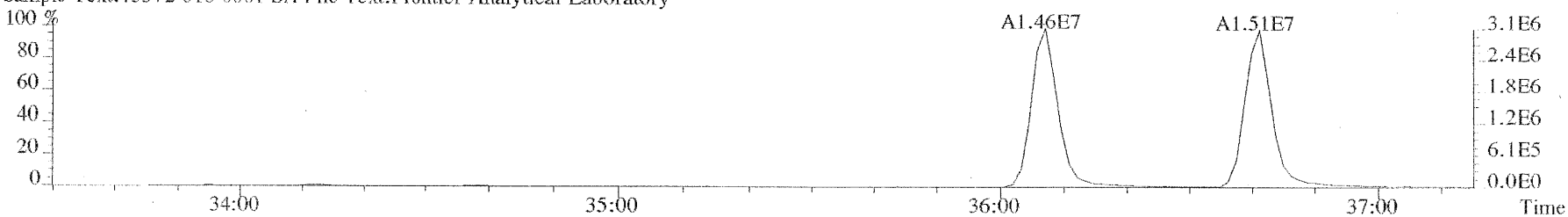
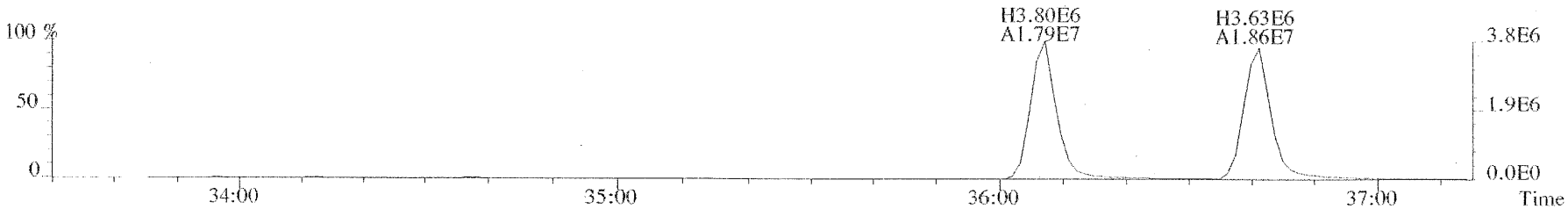
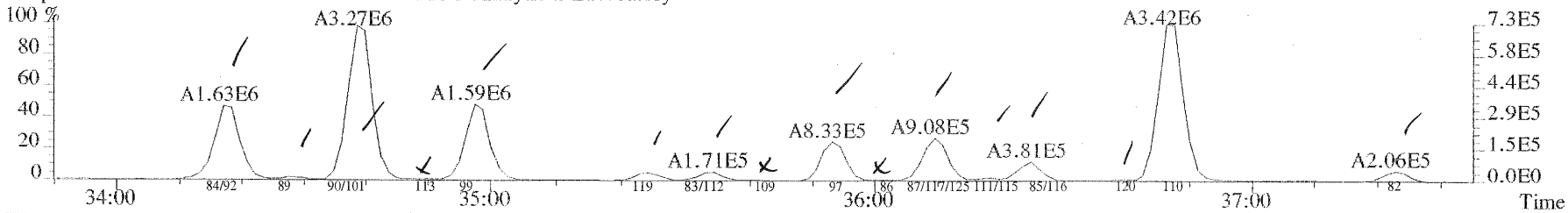
301.9626 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



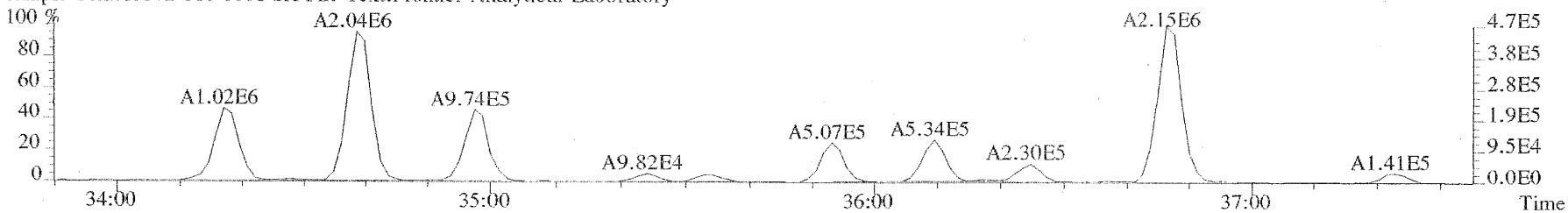
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



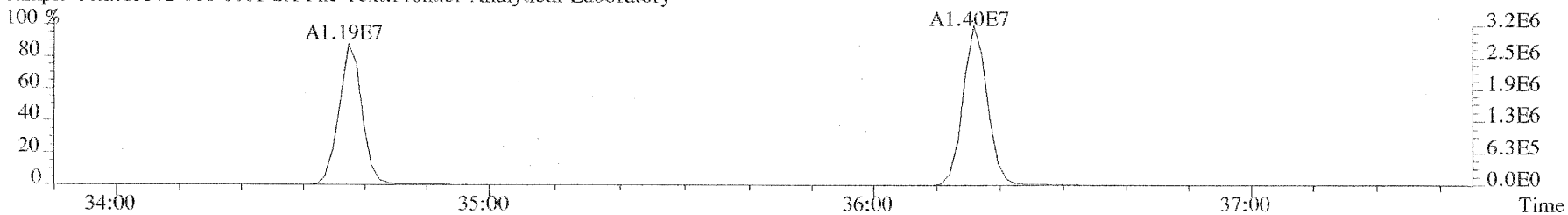
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



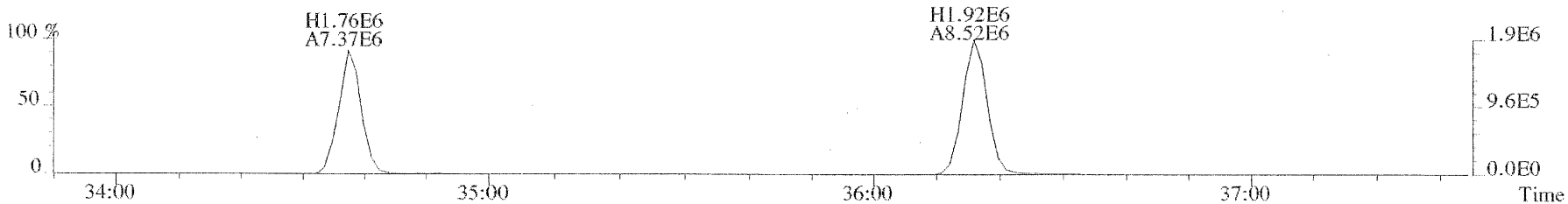
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



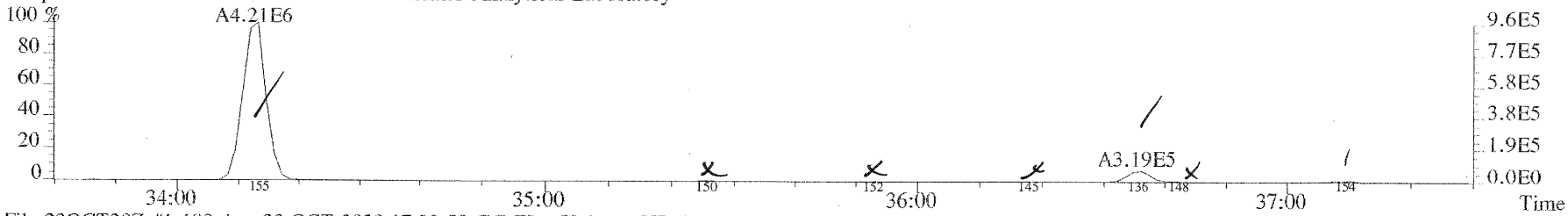
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



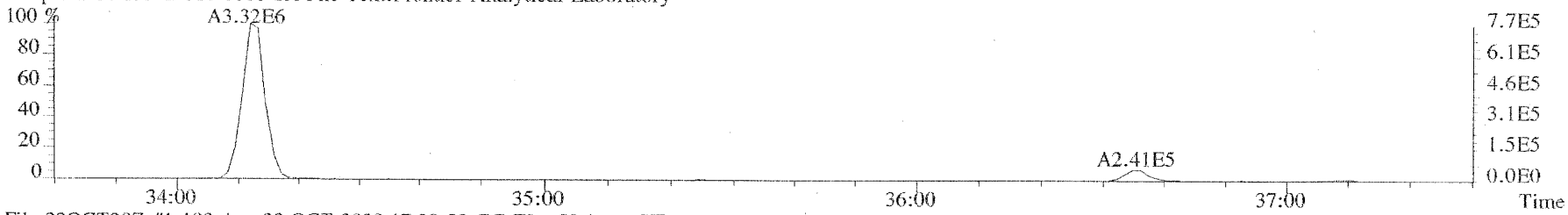
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



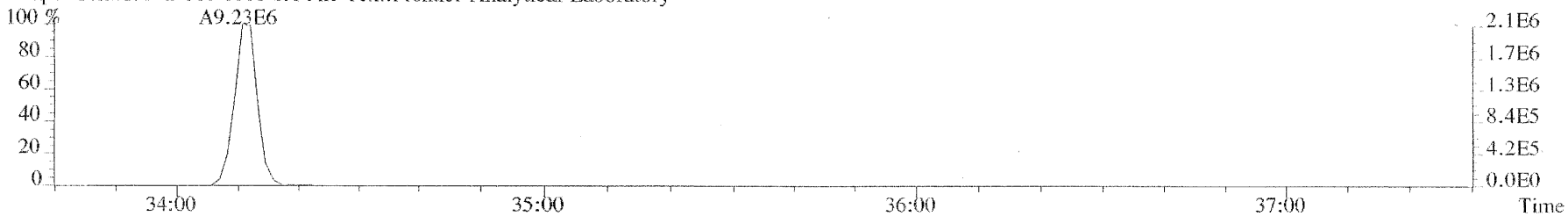
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



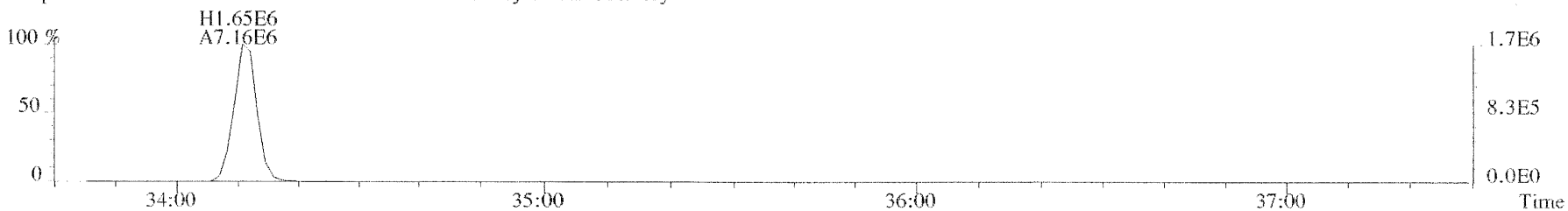
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



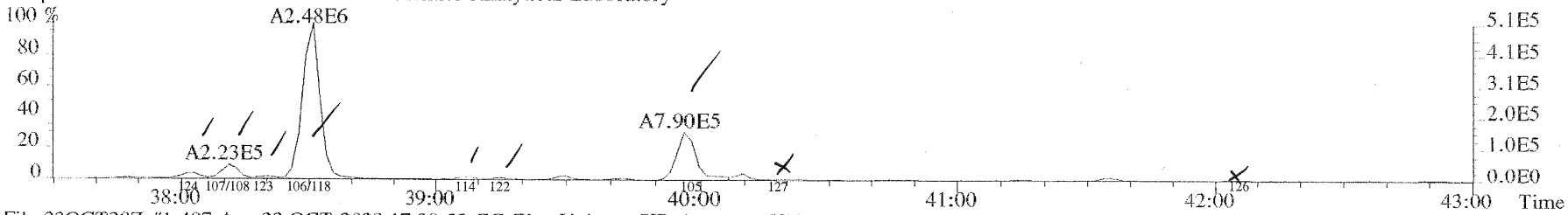
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



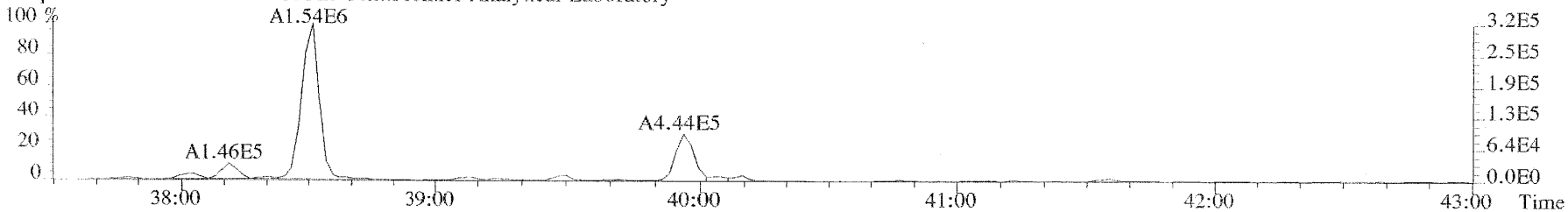
File:23OCT20Z #1-183 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



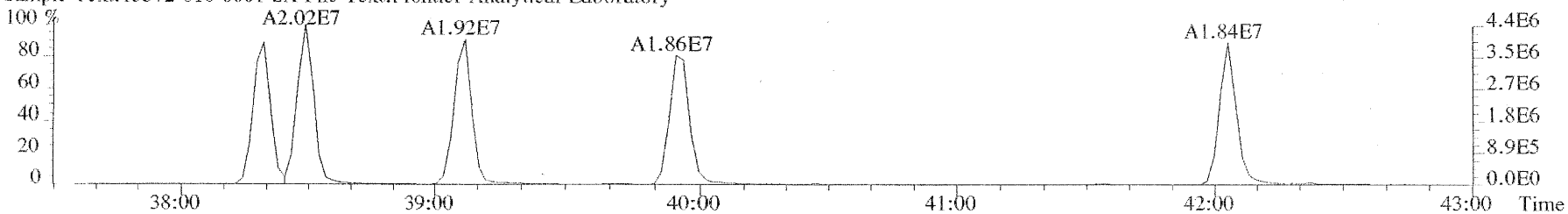
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



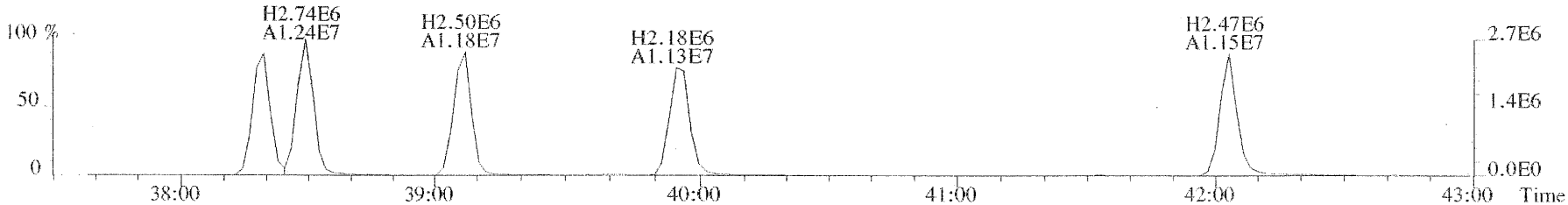
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



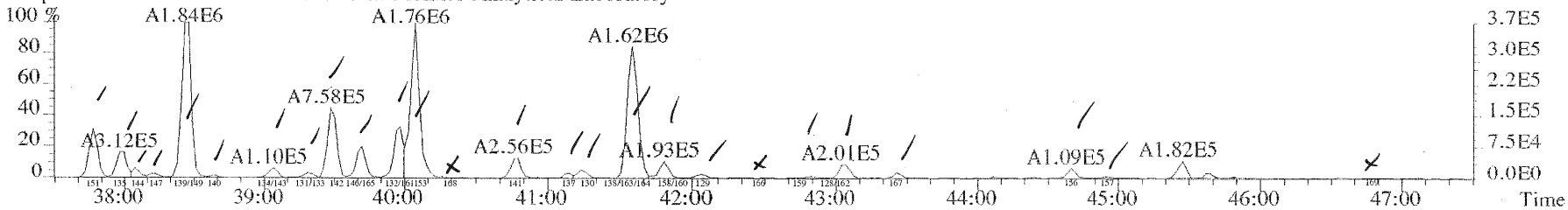
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



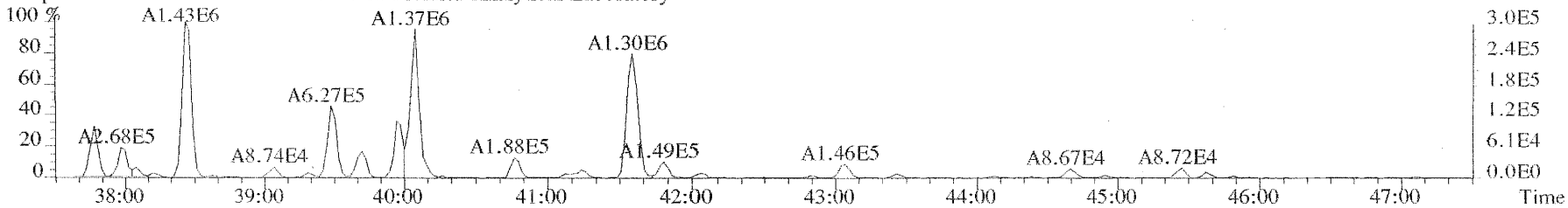
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



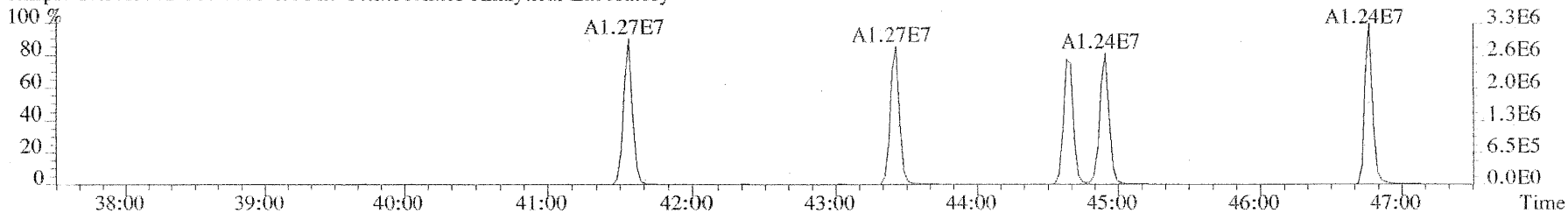
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



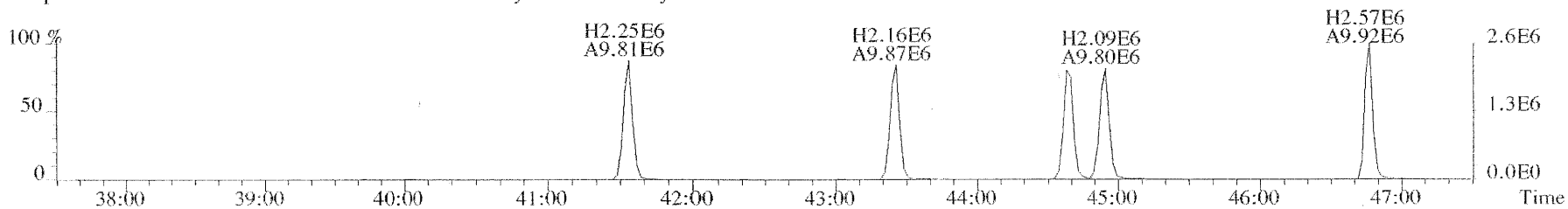
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



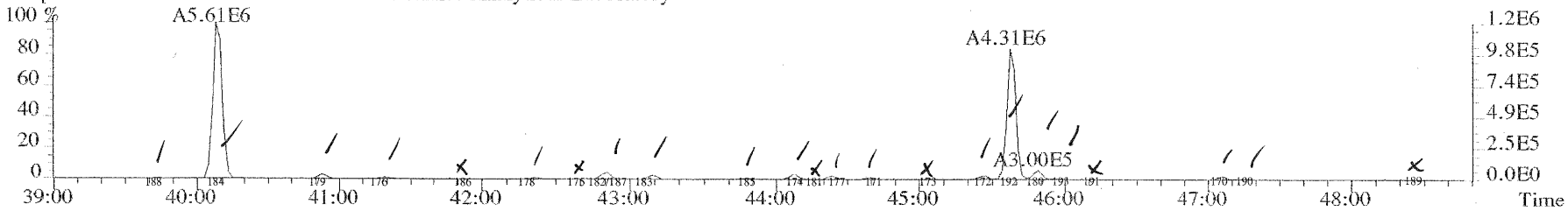
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



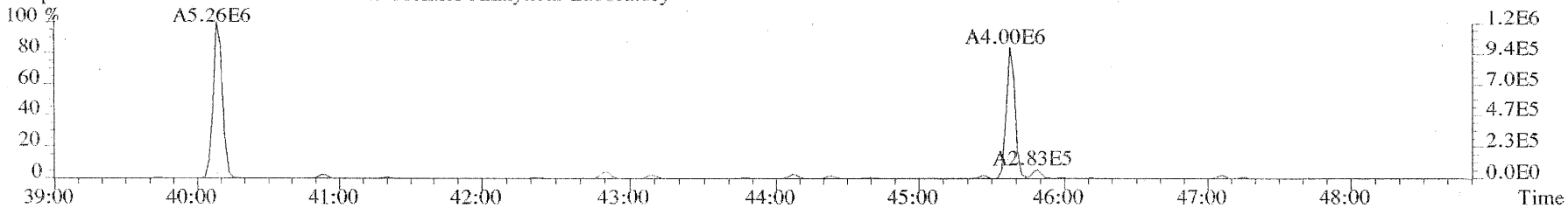
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



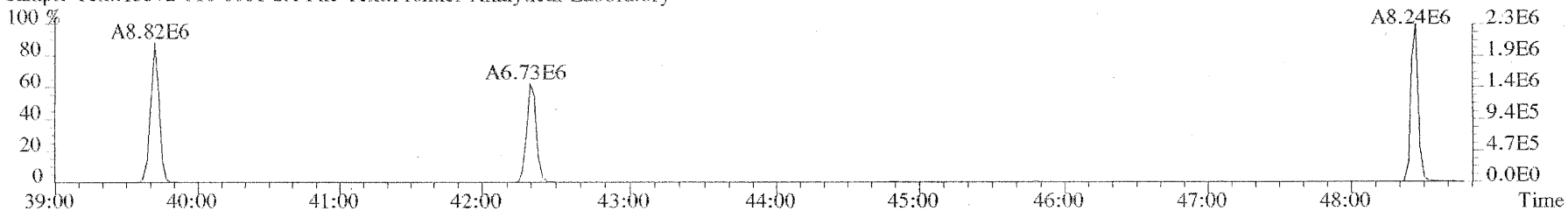
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



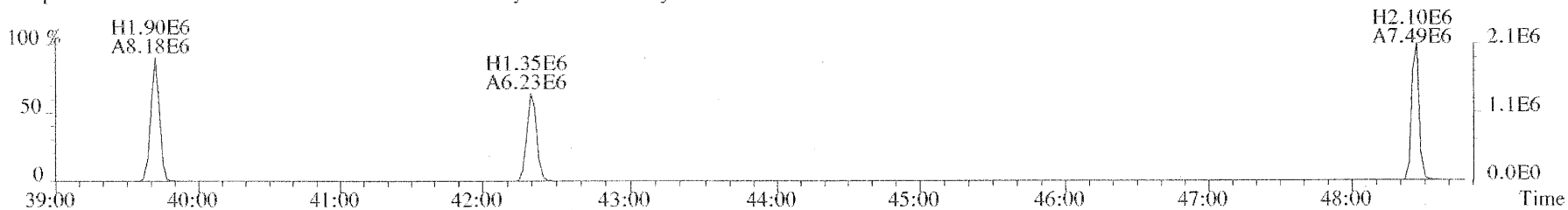
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



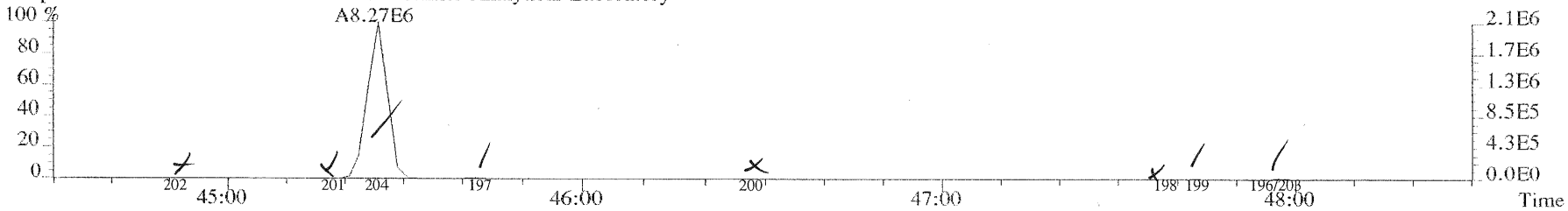
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



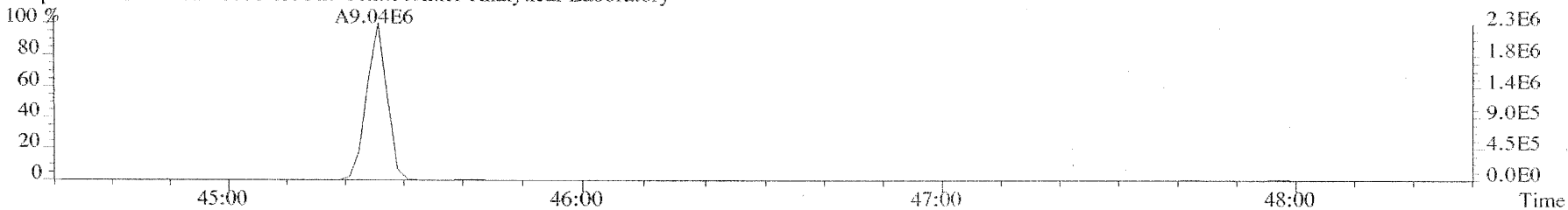
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



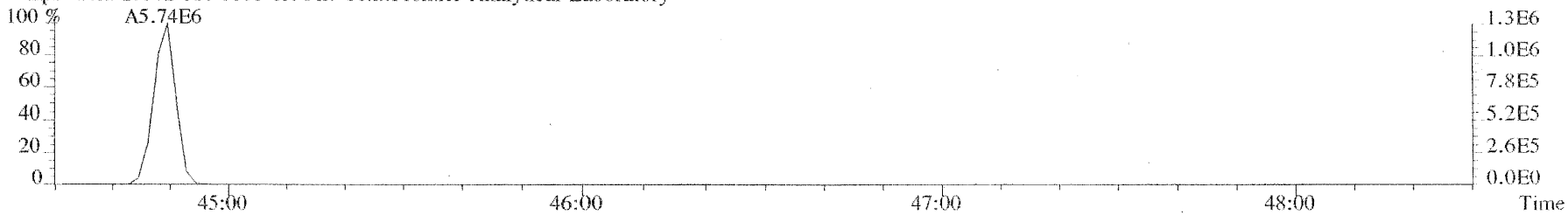
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



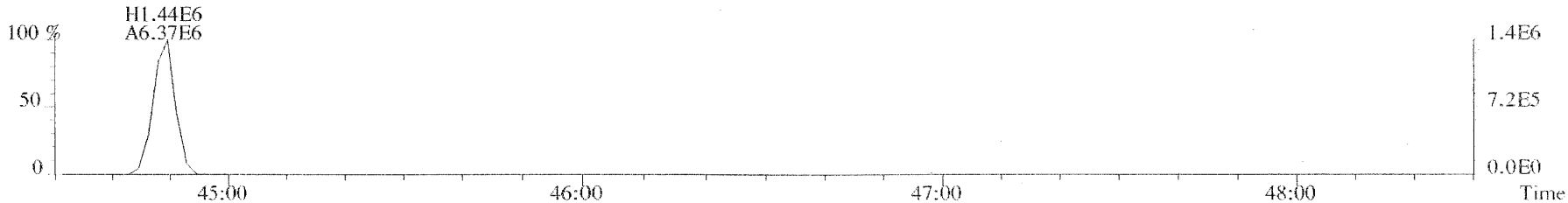
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



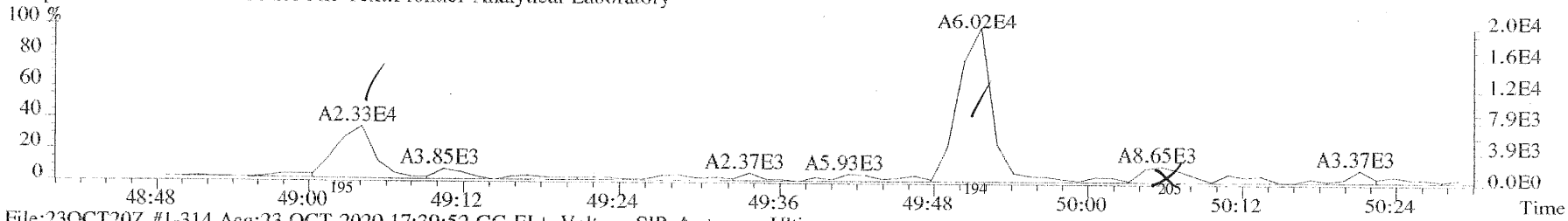
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



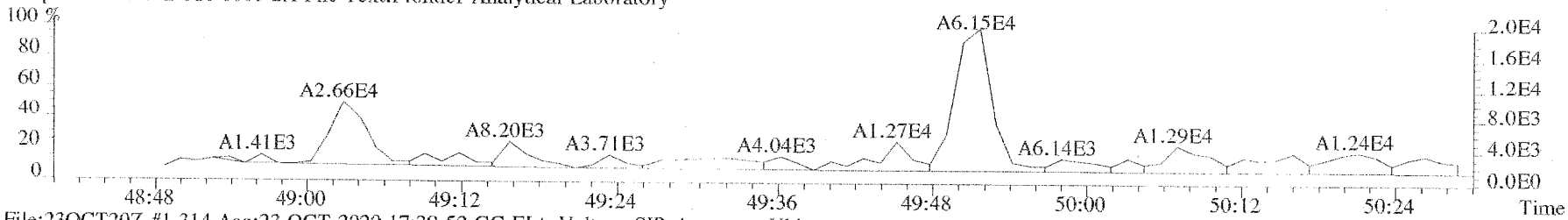
File:23OCT20Z #1-407 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



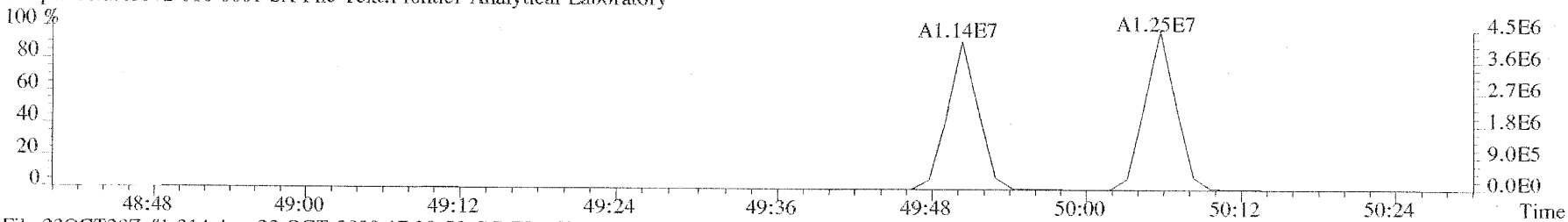
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



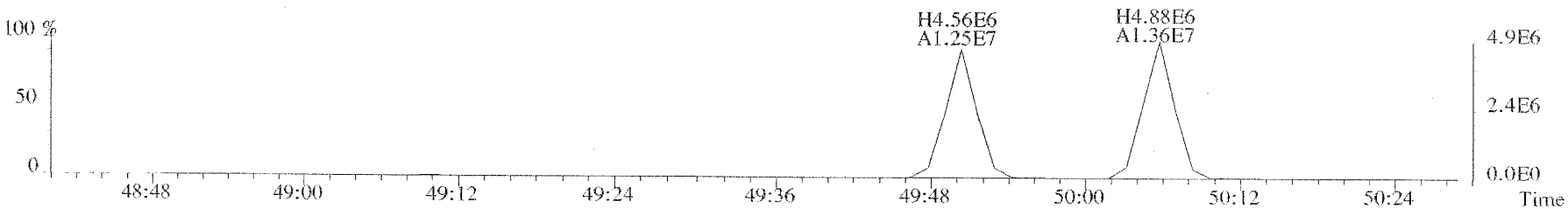
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



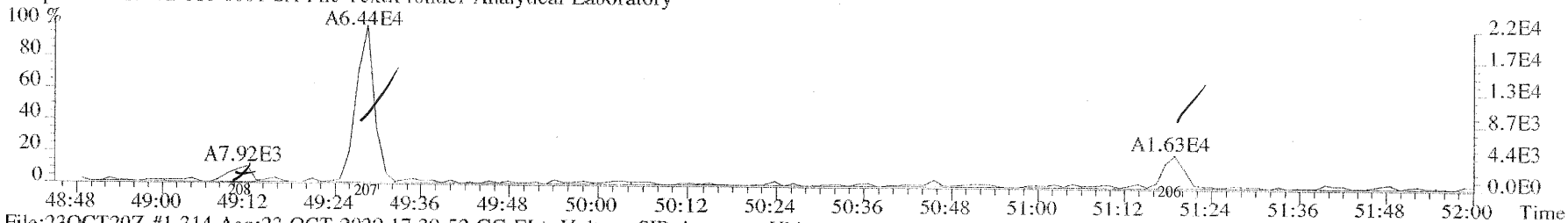
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



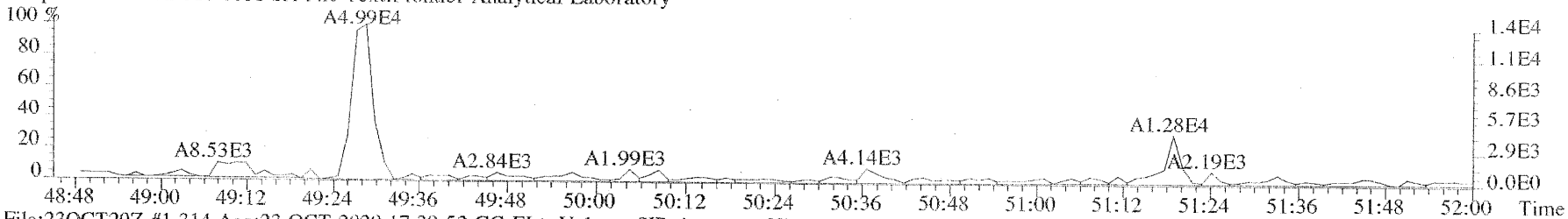
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



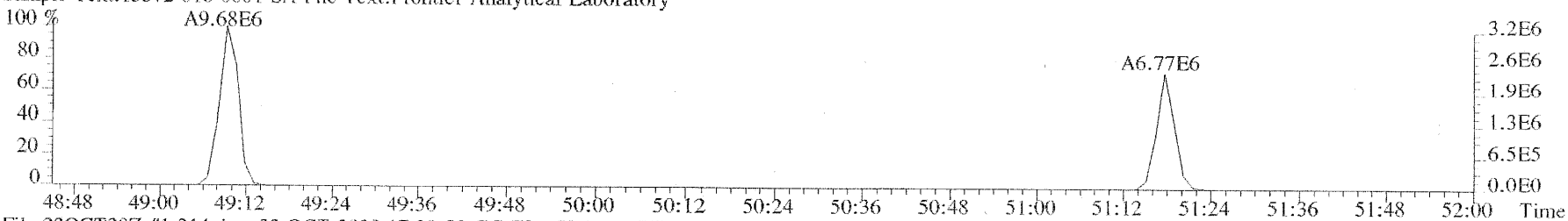
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



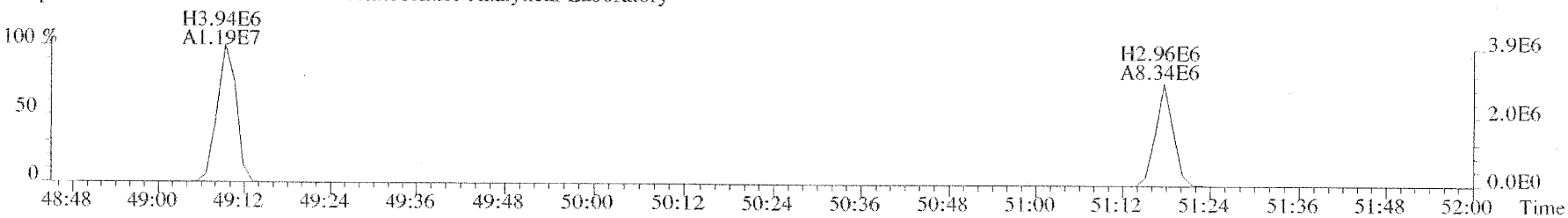
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



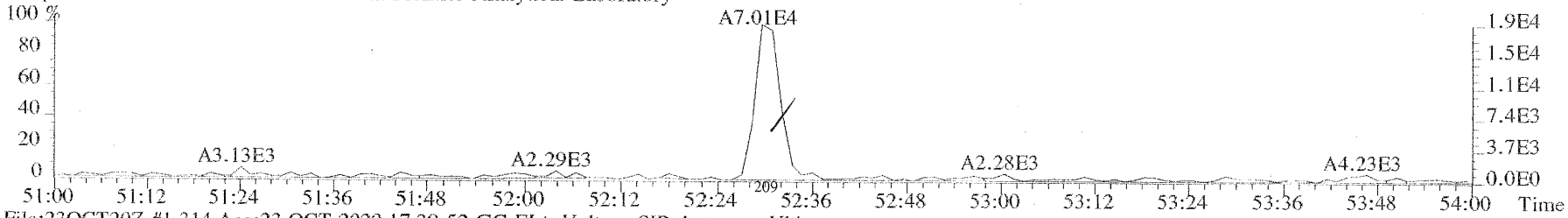
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



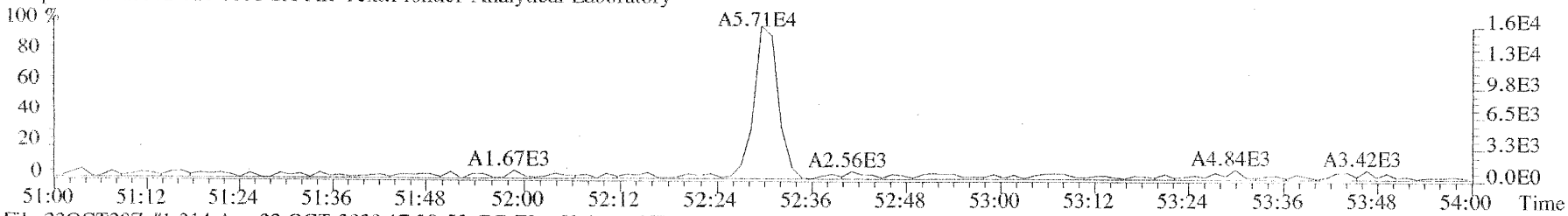
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



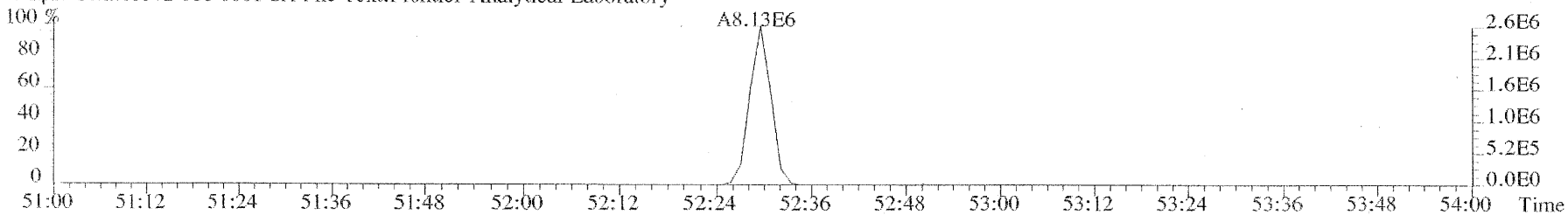
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



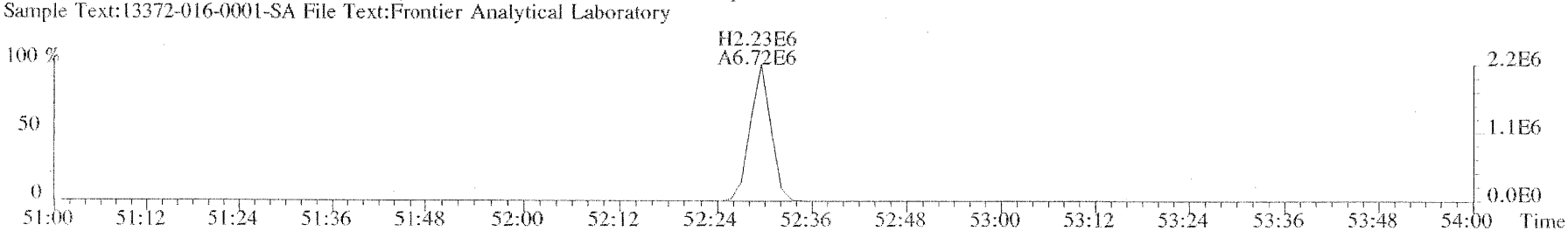
File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-016-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 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:13372-016-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 17:39:52 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:13372-016-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-017-0001-SA Filename: 23OCT20Z Sam:9 Acquired: 23-OCT-20 18:38:13 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CA-S010-BIO 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	1.66e+05	2.71 y	14:33	1.35	45.8		-	-	*			
13C-PCB-1	2.67e+07	3.27 y	14:32	0.94	7590					75.9	6.95e+06	2.13e+06
PCB-2	*	* n	NotFnd	1.44	*		1280	992	4.78			
PCB-3	*	* n	NotFnd	1.39	*		1280	992	5.44			
13C-PCB-3	2.50e+07	3.39 y	16:57	0.88	7610					76.1	5.88e+06	1.69e+06
PCB-4	5.67e+05	1.41 y	18:13	1.16	211		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		870	3500	8.46			
13C-PCB-4	2.31e+07	1.61 y	18:11	0.70	8850					88.5	4.31e+06	2.75e+06
PCB-9	1.39e+05	1.49 y	19:53	1.55	31.7		-	-	*			
PCB-7	7.49e+04	1.54 y	19:56	1.55	17.1	J	-	-	*			
PCB-6	4.86e+05	1.46 y	20:30	1.48	116		-	-	*			
PCB-8	1.02e+06	1.56 y	20:53	1.50	239		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		870	3500	9.57			
PCB-14	5.41e+06	1.40 y	21:56	1.53	1240		-	-	*			
PCB-11	2.09e+05	1.50 y	23:05	1.39	53.0		-	-	*			
PCB-13	5.33e+04	1.59 y	23:25	1.33	14.2	J	-	-	*			
PCB-12	*	* n	NotFnd	1.39	*		870	3500	10.2			
PCB-15	2.10e+05	1.53 y	23:44	1.30	48.2		-	-	*			
13C-PCB-15	3.35e+07	1.60 y	23:42	1.01	8850					88.5	5.05e+06	3.16e+06
PCB-19	2.66e+05	1.15 y	22:05	1.29	153		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2440	460	9.09			
PCB-18	2.29e+06	1.10 y	23:37	1.25	1360		-	-	*			
PCB-17	1.02e+06	1.13 y	23:48	1.44	526		-	-	*			
PCB-27	1.33e+05	1.10 y	24:18	1.80	55.0		-	-	*			
PCB-24	1.49e+05	1.13 y	24:19	1.85	59.5		-	-	*			
PCB-16	6.73e+05	1.11 y	24:48	1.61	310		-	-	*			
PCB-32	8.33e+05	1.08 y	24:50	1.62	382		-	-	*			
13C-PCB-19	1.35e+07	1.11 y	22:04	0.47	7640					76.4	2.06e+06	1.87e+06
13C-PCB-9	3.74e+07	1.60 y	19:51	-	80.5							
PCB-34	4.92e+04	0.88 n	25:36	1.18	14.1	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1300	1190	7.52			
PCB-29	*	* n	NotFnd	1.36	*		1300	1190	7.28			
PCB-26	9.53e+05	1.06 y	26:05	1.34	240		-	-	*			
PCB-25	5.16e+05	1.08 y	26:16	1.27	138		-	-	*			
PCB-31	3.35e+06	1.04 y	26:36	1.41	803		-	-	*			
PCB-28	3.29e+06	1.09 y	26:41	1.43	778		-	-	*			
PCB-20	1.76e+06	1.09 y	27:18	1.27	470		-	-	*		Co-elute PCB 21/33	
PCB-21	1.76e+06	1.09 y	27:18	1.27	470		-	-	*		Co-elute PCB 20/33	
PCB-33	1.76e+06	1.09 y	27:18	1.27	470		-	-	*		Co-elute PCB 20/21	
PCB-22	9.20e+05	1.09 y	27:42	1.33	235		-	-	*			
PCB-36	5.59e+06	1.05 y	28:16	1.37	1390		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1300	1190	8.20			
PCB-38	*	* n	NotFnd	1.35	*		1300	1190	7.30			
PCB-35	*	* n	NotFnd	1.27	*		1300	1190	7.79			
PCB-37	3.96e+05	1.10 y	30:22	1.21	111		-	-	*			
13C-PCB-37	2.95e+07	1.09 y	30:21	1.77	9810					98.1	3.29e+06	3.01e+06

PCB-54	*	*	n	NotFnd	1.36	*		724	960	6.14			
PCB-50	3.53e+04	0.75	y	26:43	1.16	16.2	J	-	-	*			
PCB-53	7.03e+05	0.74	y	27:20	1.02	365		-	-	*			
PCB-51	2.11e+05	0.82	y	27:39	1.04	108		-	-	*			
PCB-45	4.90e+05	0.75	y	28:04	0.98	266		-	-	*			
PCB-46	2.05e+05	0.70	y	28:31	0.92	119		-	-	*			
PCB-52	4.67e+06	0.81	y	28:57	1.11	2240		-	-	*	Co-elute PCB 69		
PCB-69	4.67e+06	0.81	y	28:57	1.11	2240		-	-	*	Co-elute PCB 52		
PCB-73	1.11e+05	0.83	y	29:04	1.30	45.4		-	-	*			
PCB-43	2.89e+06	0.80	y	29:15	1.00	1540		-	-	*	Co-elute PCB 49		
PCB-49	2.89e+06	0.80	y	29:15	1.00	1540		-	-	*	Co-elute PCB 43		
PCB-47	9.19e+05	0.87	y	29:26	0.99	491		-	-	*			
PCB-48	7.52e+05	0.73	y	29:33	1.26	316		-	-	*	Co-elute PCB 75		
PCB-75	7.52e+05	0.73	y	29:33	1.26	316		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		724	960	6.21			
PCB-62	*	*	n	NotFnd	1.19	*		724	960	7.05			
PCB-44	2.29e+06	0.80	y	30:12	0.85	1430		-	-	*			
PCB-42	1.03e+06	0.75	y	30:25	1.12	489		-	-	*	Co-elute PCB 59		
PCB-59	1.03e+06	0.75	y	30:25	1.12	489		-	-	*	Co-elute PCB 42		
PCB-72	2.61e+06	0.80	y	30:57	1.22	1130		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.61e+06	0.80	y	30:57	1.22	1130		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.61e+06	0.80	y	30:57	1.22	1130		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.61e+06	0.80	y	30:57	1.22	1130		-	-	*	Co-elute PCB 72/41/71		
PCB-68	9.04e+04	0.73	y	31:13	1.32	36.5		-	-	*			
PCB-40	3.56e+05	0.71	y	31:25	0.82	232		-	-	*			
PCB-57	3.48e+04	0.70	y	31:44	1.33	13.9	J	-	-	*			
PCB-67	1.11e+05	0.75	y	32:03	1.26	46.7		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		724	960	6.60			
PCB-63	1.32e+05	0.78	y	32:18	1.35	51.8		-	-	*			
PCB-74	1.13e+06	0.77	y	32:35	1.24	486		-	-	*			
PCB-61	2.56e+06	0.80	y	32:46	1.17	1160		-	-	*	Co-elute PCB 70		
PCB-70	2.56e+06	0.80	y	32:46	1.17	1160		-	-	*	Co-elute PCB 61		
PCB-76	2.09e+06	0.79	y	32:59	1.39	800		-	-	*	Co-elute PCB 66		
PCB-66	2.09e+06	0.79	y	32:59	1.39	800		-	-	*	Co-elute PCB 76		
PCB-80	1.28e+05	0.80	y	33:10	1.56	43.5		-	-	*			
PCB-55	2.19e+05	0.76	y	33:30	1.32	88.2		-	-	*			
13C-PCB-54	1.88e+07	0.82	y	25:35	1.32	8420					84.2	2.27e+06	2.77e+06
PCB-104	5.83e+06	1.56	y	30:03	1.23	3890		-	-	*			
PCB-96	3.40e+04	1.62	y	31:14	1.20	23.1		-	-	*			
PCB-103	6.11e+04	1.50	y	31:46	1.01	49.7		-	-	*			
PCB-100	3.57e+04	1.50	y	32:04	0.94	31.2		-	-	*			
PCB-94	2.12e+04	1.52	y	32:34	0.78	22.5		-	-	*			
PCB-98	*	*	n	NotFnd	0.77	*		272	412	7.24	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		272	412	7.24	Co-elute PCB 98		
PCB-95	2.22e+06	1.59	y	33:03	0.96	1890		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		272	412	6.06			
PCB-88	*	*	n	NotFnd	0.52	*		272	412	10.7	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		272	412	10.7	Co-elute PCB 88		
PCB-121	8.32e+06	1.58	y	33:30	1.08	6290		-	-	*			
13C-PCB-104	1.22e+07	1.57	y	30:02	0.96	7470					74.7	1.87e+06	1.18e+06
13C-PCB-28	3.25e+07	1.06	y	26:40	2.13	9000					90.0	4.19e+06	3.93e+06
13C-PCB-52	1.70e+07	0.81	y	28:56	-	78.5							

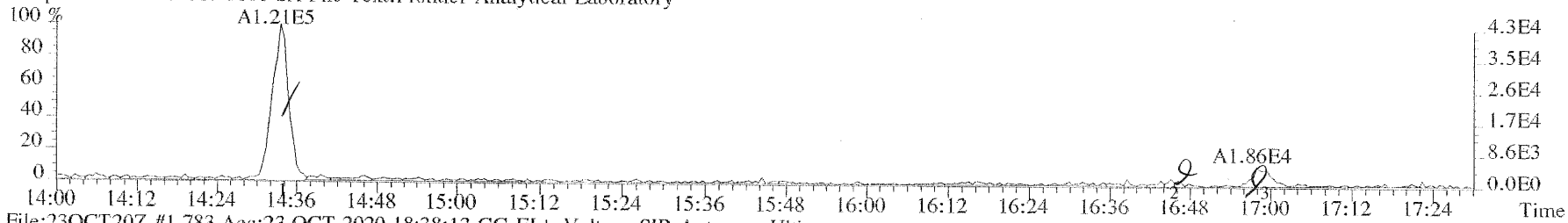
PCB-56	1.50e+06	0.77	y	33:57	1.21	481		-	-	*		Co-elute PCB 60
PCB-60	1.50e+06	0.77	y	33:57	1.21	481		-	-	*		Co-elute PCB 56
PCB-79	6.87e+04	0.83	y	34:59	1.38	19.3	J	-	-	*		
PCB-78	1.51e+07	0.81	y	35:38	1.38	4250		-	-	*		
PCB-81	1.54e+05	0.67	y	36:09	1.41	42.9		-	-	*		
13C-PCB-81	2.55e+07	0.79	y	36:07	1.78	10000					100	2.48e+06 3.09e+06
PCB-77	1.38e+05	0.83	y	36:41	1.17	45.3		-	-	*		
13C-PCB-77	2.61e+07	0.81	y	36:41	1.84	9940					99.4	2.55e+06 3.05e+06
PCB-155	9.04e+06	1.32	y	34:13	1.14	6190		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		616	808	10.4		
PCB-152	*	*	n	NotFnd	1.15	*		616	808	9.63		
PCB-145	*	*	n	NotFnd	1.06	*		616	808	10.4		
PCB-136	4.04e+05	1.27	y	36:35	1.05	299		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		616	808	12.1		
PCB-154	6.88e+04	1.35	y	37:09	0.93	57.6		-	-	*		
13C-PCB-155	1.28e+07	1.33	y	34:11	1.26	7090					70.9	1.82e+06 1.39e+06
13C-PCB-111	1.69e+07	1.63	y	36:16	1.32	8960					89.6	2.55e+06 1.53e+06
13C-PCB-101	1.43e+07	1.66	y	34:37	-	81.2						
PCB-84	1.52e+06	1.60	y	34:18	0.74	847		-	-	*		Co-elute PCB 92
PCB-92	1.52e+06	1.60	y	34:18	0.74	847		-	-	*		Co-elute PCB 84
PCB-89	4.70e+04	1.50	y	34:28	0.77	25.3		-	-	*		
PCB-90	3.31e+06	1.64	y	34:38	0.80	1710		-	-	*		Co-elute PCB 101
PCB-101	3.31e+06	1.64	y	34:38	0.80	1710		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		987	980	10.4		
PCB-99	1.48e+06	1.58	y	34:59	0.92	663		-	-	*		
PCB-119	1.38e+05	1.65	y	35:24	1.06	53.7		-	-	*		
PCB-83	1.73e+05	1.55	y	35:34	0.83	85.9		-	-	*		Co-elute PCB 112
PCB-112	1.73e+05	1.55	y	35:34	0.83	85.9		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		987	980	9.54		
PCB-97	8.31e+05	1.62	y	35:53	0.68	505		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		987	980	13.6		
PCB-125	1.06e+06	1.49	y	36:09	0.92	476		-	-	*		Co-elute PCB 87/117
PCB-87	1.06e+06	1.49	y	36:09	0.92	476		-	-	*		Co-elute PCB 125/117
PCB-117	1.06e+06	1.49	y	36:09	0.92	476		-	-	*		Co-elute PCB 125/87
PCB-111	4.49e+04	1.60	y	36:17	0.99	18.7	J	-	-	*		Co-elute PCB 115
PCB-115	4.49e+04	1.60	y	36:17	0.99	18.7	J	-	-	*		Co-elute PCB 111
PCB-85	4.68e+05	1.52	y	36:25	0.92	210		-	-	*		Co-elute PCB 116
PCB-116	4.68e+05	1.52	y	36:25	0.92	210		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		987	980	8.27		
PCB-110	3.41e+06	1.55	y	36:47	0.99	1410		-	-	*		
PCB-82	2.00e+05	1.49	y	37:22	0.65	127		-	-	*		
PCB-124	1.34e+05	1.47	y	38:01	1.25	44.0		-	-	*		
PCB-108	2.58e+05	1.41	y	38:11	1.23	86.7		-	-	*		Co-elute PCB 107
PCB-107	2.58e+05	1.41	y	38:11	1.23	86.7		-	-	*		Co-elute PCB 108
PCB-123	5.47e+04	1.66	y	38:21	1.19	19.8	J	-	-	*		
13C-PCB-123	2.32e+07	1.66	y	38:19	1.42	9540					95.4	3.23e+06 1.97e+06
PCB-118	2.68e+06	1.55	y	38:31	1.22	852		-	-	*		Co-elute PCB 106
PCB-106	2.68e+06	1.55	y	38:31	1.22	852		-	-	*		Co-elute PCB 118
13C-PCB-118	2.58e+07	1.64	y	38:29	1.59	9500					95.0	3.60e+06 2.20e+06
PCB-114	7.25e+04	1.63	y	39:07	1.18	25.3		-	-	*		
13C-PCB-114	2.42e+07	1.60	y	39:07	1.50	9490					94.9	3.33e+06 2.03e+06
PCB-122	3.96e+04	1.47	y	39:14	1.30	12.6	J	-	-	*		
PCB-105	8.44e+05	1.61	y	39:56	1.36	261		-	-	*		
13C-PCB-105	2.38e+07	1.61	y	39:55	1.52	9180					91.8	3.06e+06 1.92e+06

PCB-127	*	*	n	NotFnd	1.27	*		960	948	7.04			
PCB-126	*	*	n	NotFnd	1.23	*		960	948	8.19			
13C-PCB-126	2.29e+07	1.62	y	42:03	1.36	9860					98.6	2.94e+06	1.80e+06
PCB-151	6.56e+05	1.21	y	37:46	1.14	324		-	-	*			
PCB-135	3.74e+05	1.23	y	37:58	1.05	200		-	-	*			
PCB-144	1.24e+05	1.35	y	38:04	1.17	59.6		-	-	*			
PCB-147	5.06e+04	1.34	y	38:13	1.24	22.9		-	-	*			
PCB-139	2.26e+06	1.22	y	38:26	1.14	1110		-	-	*		Co-elute PCB 149	
PCB-149	2.26e+06	1.22	y	38:26	1.14	1110		-	-	*		Co-elute PCB 139	
PCB-140	3.53e+04	1.36	y	38:39	1.27	15.6	J	-	-	*			
PCB-143	1.39e+05	1.15	y	39:04	1.00	78.4		-	-	*		Co-elute PCB 134	
PCB-134	1.39e+05	1.15	y	39:04	1.00	78.4		-	-	*		Co-elute PCB 143	
PCB-131	8.01e+04	1.36	y	39:20	1.00	45.1		-	-	*		Co-elute PCB 133	
PCB-133	8.01e+04	1.36	y	39:20	1.00	45.1		-	-	*		Co-elute PCB 131	
PCB-142	1.75e+06	1.23	y	39:28	1.05	935		-	-	*			
PCB-165	4.29e+05	1.21	y	39:42	1.30	186		-	-	*		Co-elute PCB 146	
PCB-146	4.29e+05	1.21	y	39:42	1.30	186		-	-	*		Co-elute PCB 165	
PCB-161	7.06e+05	1.29	y	39:58	1.24	320		-	-	*		Co-elute PCB 132	
PCB-132	7.06e+05	1.29	y	39:58	1.24	320		-	-	*		Co-elute PCB 161	
PCB-153	2.41e+06	1.32	y	40:05	1.40	968		-	-	*			
PCB-168	*	*	n	NotFnd	1.38	*		1010	968	9.22			
PCB-141	3.56e+05	1.18	y	40:47	1.13	177		-	-	*			
PCB-137	7.56e+04	1.10	y	41:09	1.01	41.9		-	-	*			
PCB-130	1.33e+05	1.17	y	41:14	1.05	71.2		-	-	*			
PCB-138	2.10e+06	1.22	y	41:35	1.25	941		-	-	*		Co-elute PCB 163/164	
PCB-163	2.10e+06	1.22	y	41:35	1.25	941		-	-	*		Co-elute PCB 138/164	
PCB-164	2.10e+06	1.22	y	41:35	1.25	941		-	-	*		Co-elute PCB 138/163	
PCB-158	2.34e+05	1.33	y	41:48	1.42	92.4		-	-	*		Co-elute PCB 160	
PCB-160	2.34e+05	1.33	y	41:48	1.42	92.4		-	-	*		Co-elute PCB 158	
PCB-129	7.70e+04	1.42	y	42:03	0.99	43.5		-	-	*			
PCB-166	*	*	n	NotFnd	1.42	*		1010	968	8.99			
PCB-159	3.22e+04	1.36	y	42:49	1.53	11.8	J	-	-	*			
PCB-128	2.47e+05	1.14	y	43:04	1.14	122		-	-	*		Co-elute PCB 162	
PCB-162	2.47e+05	1.14	y	43:04	1.14	122		-	-	*		Co-elute PCB 128	
PCB-167	7.31e+04	1.14	y	43:25	1.33	30.1		-	-	*			
13C-PCB-167	1.83e+07	1.24	y	43:24	1.16	9260					92.6	2.10e+06	1.71e+06
PCB-156	1.60e+05	1.23	y	44:39	1.40	66.3		-	-	*			
13C-PCB-156	1.73e+07	1.28	y	44:38	1.13	8960					89.6	2.11e+06	1.63e+06
PCB-157	3.96e+04	1.38	y	44:54	1.26	17.1	J	-	-	*			
13C-PCB-157	1.83e+07	1.28	y	44:54	1.14	9380					93.8	2.07e+06	1.65e+06
PCB-169	*	*	n	NotFnd	1.22	*		1310	968	10.9			
13C-PCB-169	1.73e+07	1.25	y	46:46	1.04	9750					97.5	2.41e+06	1.89e+06

PCB-188	*	*	n	NotFnd	1.19	*	654	432	7.27			
13C-PCB-188	1.30e+07	1.12	y	39:42	1.06	7170				71.7	1.65e+06	1.48e+06
PCB-184	1.19e+07	1.07	y	40:08	1.38	6730	-	-	*			
PCB-179	2.08e+05	0.96	y	40:54	1.38	118	-	-	*			
PCB-176	7.12e+04	1.11	y	41:19	1.33	41.8	-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*	654	432	6.57			
PCB-178	7.18e+04	1.01	y	42:21	0.95	59.3	-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*	654	432	8.39			
PCB-187	3.86e+05	1.01	y	42:49	1.04	289	-	-	*		Co-elute PCB 182	
PCB-182	3.86e+05	1.01	y	42:49	1.04	289	-	-	*		Co-elute PCB 187	
PCB-183	1.64e+05	1.10	y	43:09	1.07	120	-	-	*			
PCB-185	4.16e+04	1.07	y	43:47	0.88	36.7	-	-	*			
PCB-174	2.77e+05	1.05	y	44:07	0.94	230	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	654	432	8.87			
PCB-177	1.47e+05	1.00	y	44:23	0.90	127	-	-	*			
PCB-171	6.75e+04	1.04	y	44:39	0.96	54.8	-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*	654	432	9.76			
PCB-172	2.09e+05	1.09	y	45:26	0.90	181	-	-	*			
PCB-192	8.54e+06	1.07	y	45:37	1.07	6210	-	-	*			
PCB-180	4.69e+05	1.12	y	45:49	0.86	427	-	-	*			
PCB-193	4.48e+04	1.15	y	45:58	1.19	29.3	-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*	654	432	6.90			
PCB-170	1.61e+05	1.18	y	47:06	0.86	145	-	-	*			
PCB-190	5.09e+04	1.04	y	47:14	1.17	34.0	-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*	654	432	6.65			
13C-PCB-189	1.26e+07	1.09	y	48:27	0.86	8540				85.4	1.84e+06	1.67e+06
PCB-202	*	*	n	NotFnd	1.11	*	396	468	8.40			
PCB-201	*	*	n	NotFnd	1.27	*	396	468	7.39			
PCB-204	1.72e+07	0.92	y	45:26	1.28	13900	-	-	*			
PCB-197	8.11e+04	0.94	y	45:42	1.20	69.7	-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*	396	468	7.46			
PCB-198	*	*	n	NotFnd	0.90	*	396	468	10.4			
PCB-199	4.89e+04	0.89	y	47:42	0.85	59.1	-	-	*			
PCB-203	6.31e+04	0.92	y	47:57	0.95	68.4	-	-	*		Co-elute PCB 196	
PCB-196	6.31e+04	0.92	y	47:57	0.95	68.4	-	-	*		Co-elute PCB 203	
13C-PCB-202	9.73e+06	0.92	y	44:49	0.77	7440				74.4	1.11e+06	1.19e+06
13C-PCB-178	1.01e+07	1.08	y	42:20	0.76	7830				78.3	1.27e+06	1.18e+06
13C-PCB-138	1.71e+07	1.29	y	41:33	-	86.0						
PCB-195	4.11e+04	0.91	y	49:03	0.94	20.4	-	-	*			
PCB-194	9.93e+04	0.93	y	49:52	1.03	45.0	-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*	1110	1410	6.85			
13C-PCB-205	2.15e+07	0.90	y	50:06	1.30	9010				90.1	3.72e+06	4.11e+06
PCB-208	*	*	n	NotFnd	1.16	*	1150	1220	8.92			
13C-PCB-208	1.63e+07	0.83	y	49:09	1.13	7910				79.1	2.63e+06	3.10e+06
PCB-207	1.05e+05	1.39	y	49:28	1.39	51.2	-	-	*			
PCB-206	*	*	n	NotFnd	1.17	*	1150	1220	11.9			
13C-PCB-206	1.30e+07	0.81	y	51:18	0.85	8360				83.6	1.88e+06	2.38e+06
PCB-209	1.25e+05	1.33	y	52:29	1.24	79.4	-	-	*			
13C-PCB-209	1.27e+07	1.22	y	52:29	0.88	7910				79.1	2.29e+06	1.79e+06
13C-PCB-194	1.83e+07	0.91	y	49:50	-	92.2						

Analyst: _____ Date: 10/28/20

File:23OCT20Z #1-783 Acq:23-OCT-2020 18:38:13 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:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-783 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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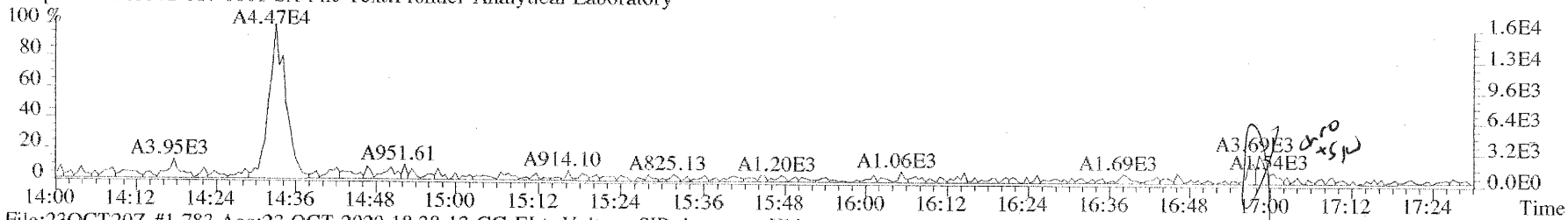

File:23OCT20Z #1-783 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
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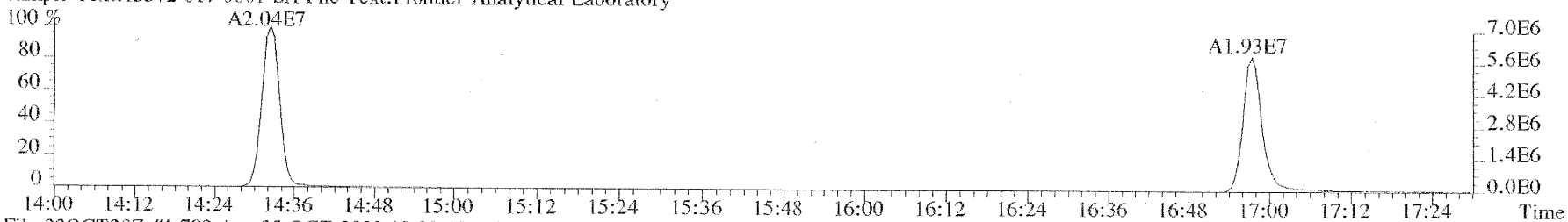
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



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202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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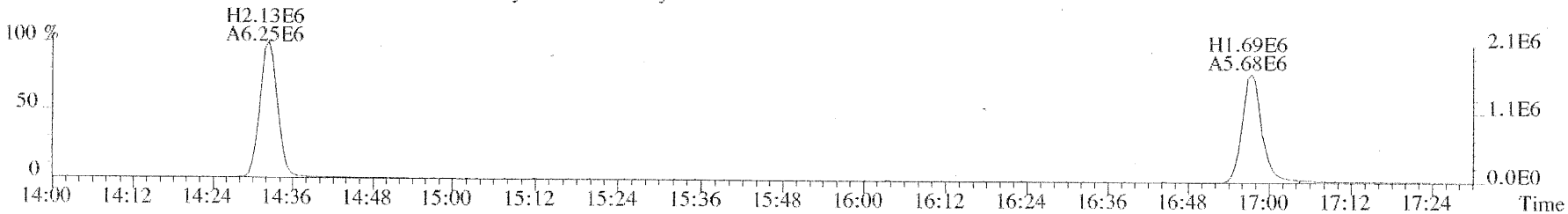

File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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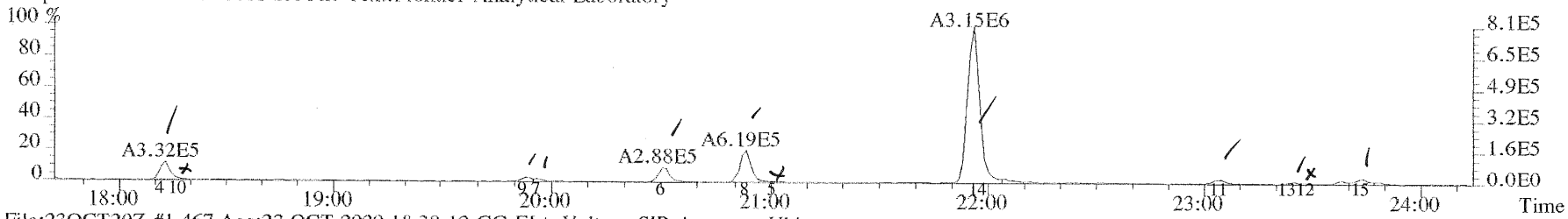
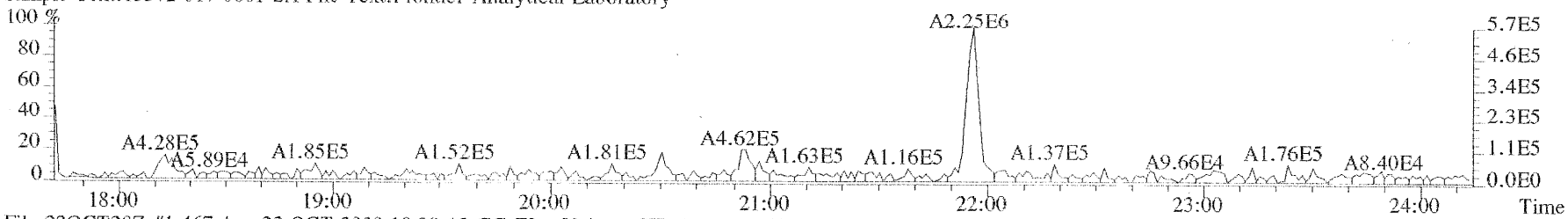
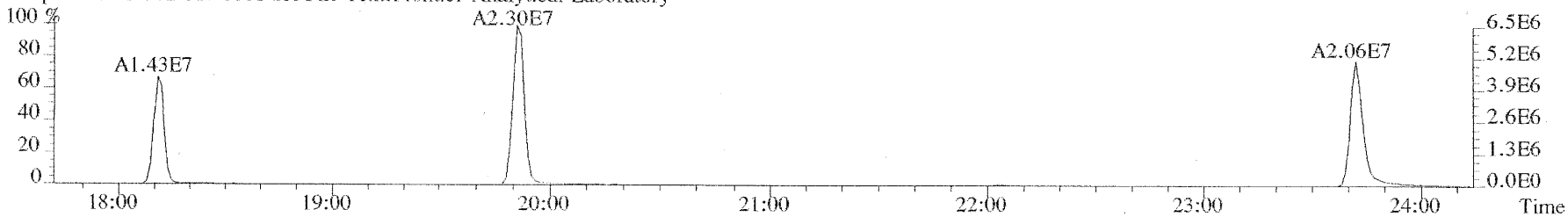


File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 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:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 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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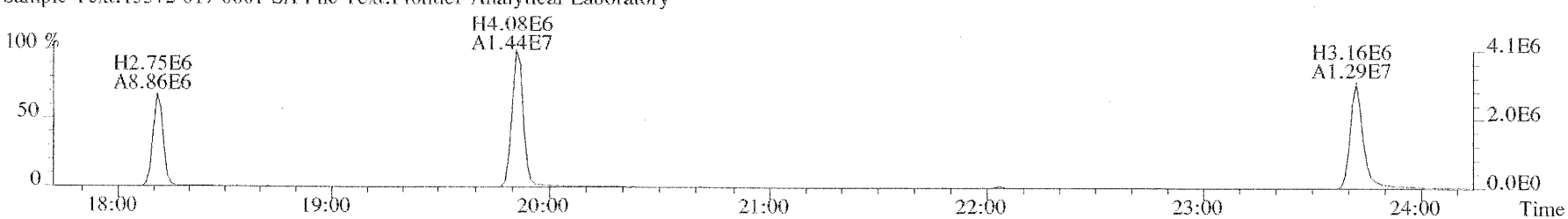
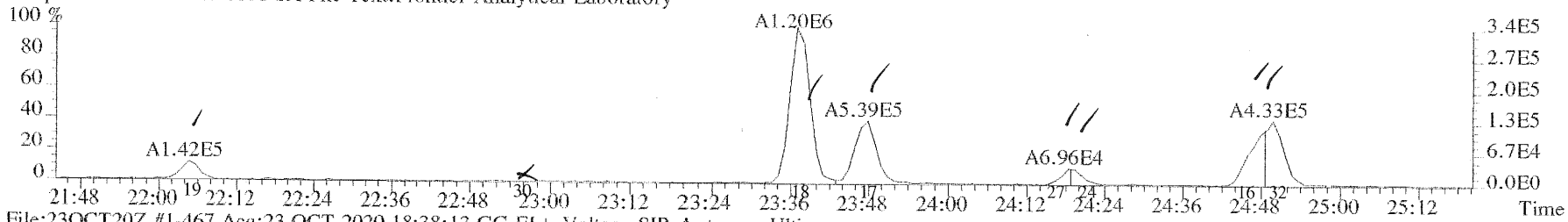
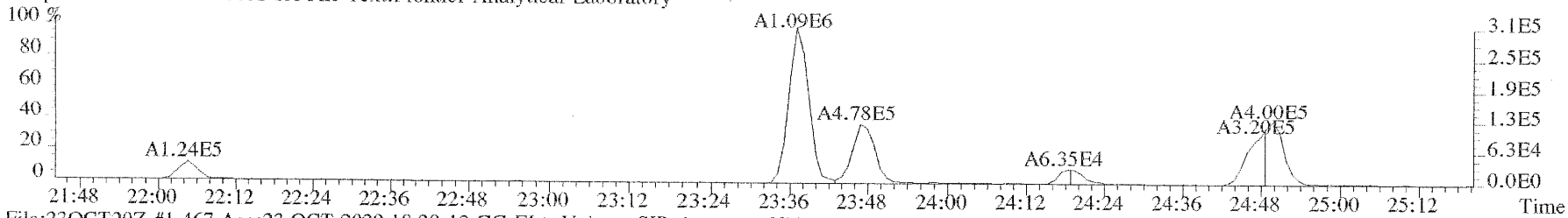


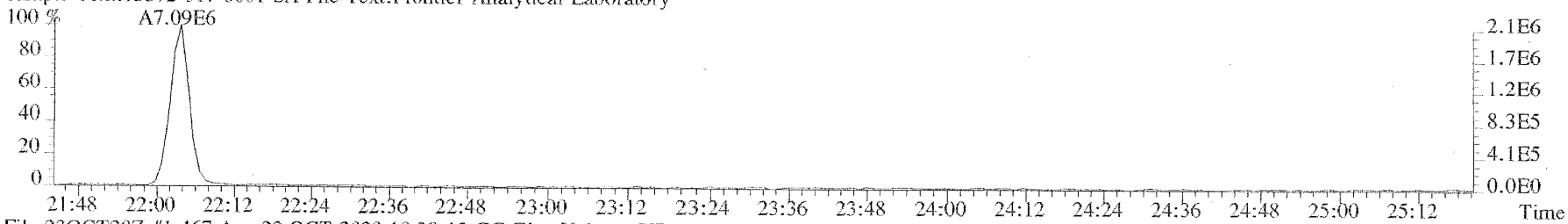
File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



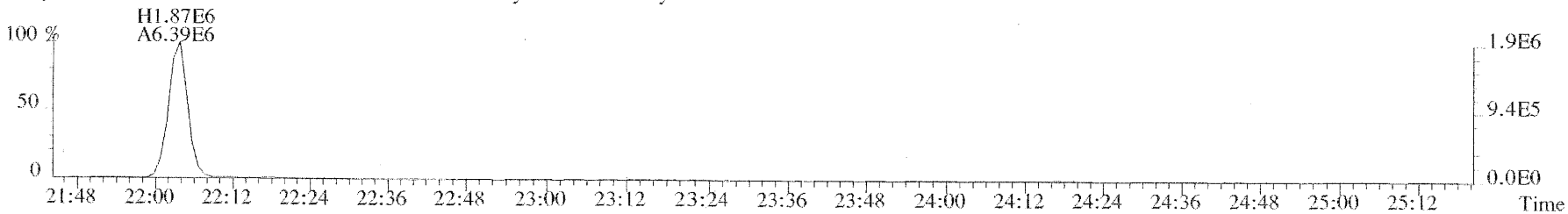
File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



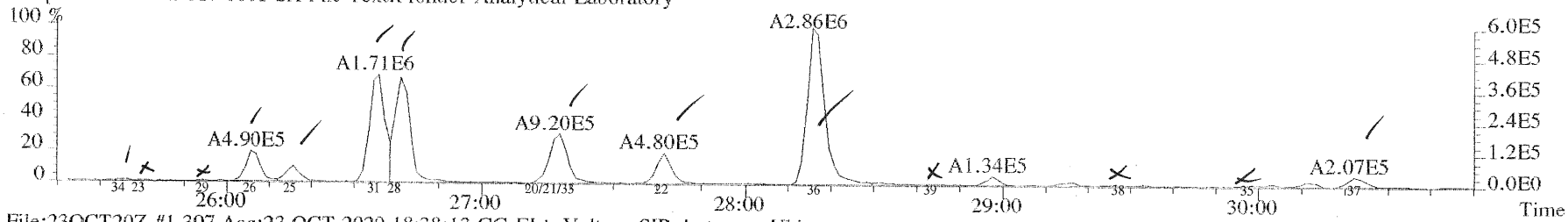
File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



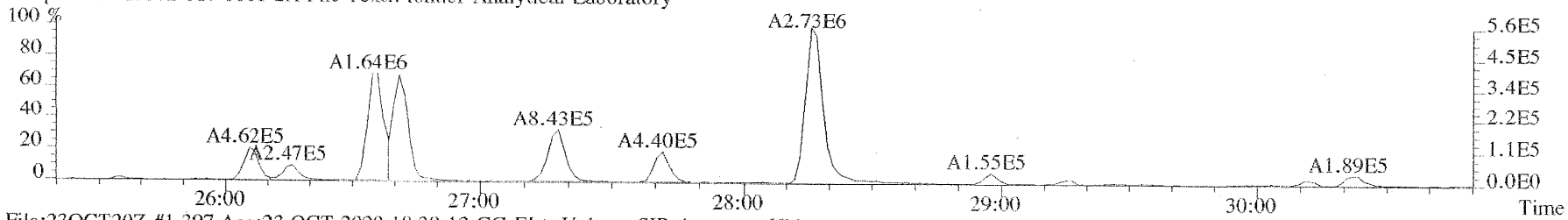
File:23OCT20Z #1-467 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



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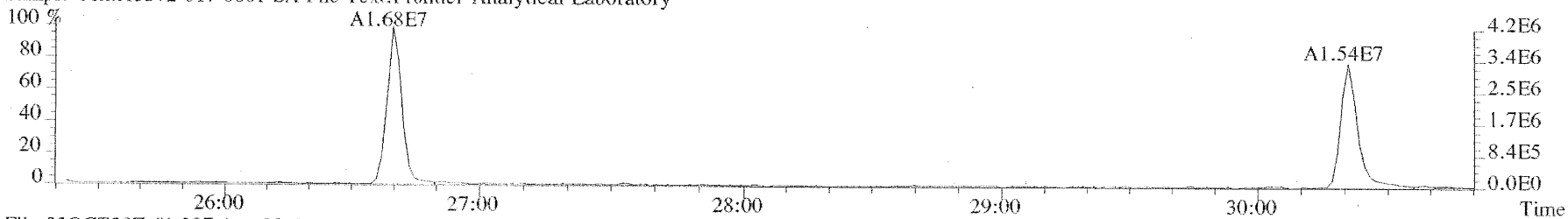
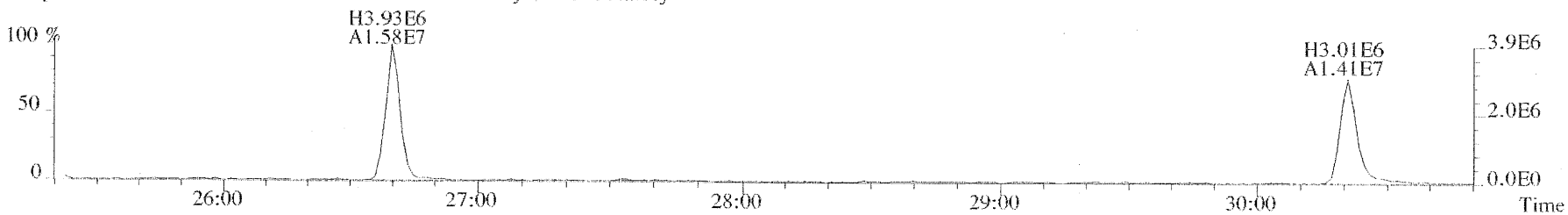
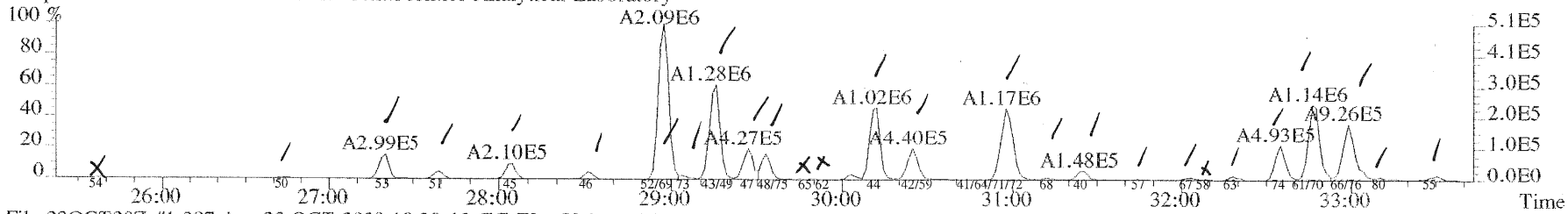
268.0016 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



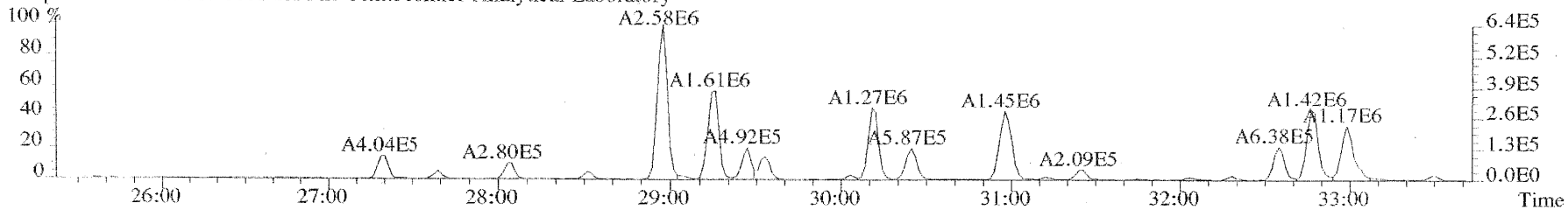
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



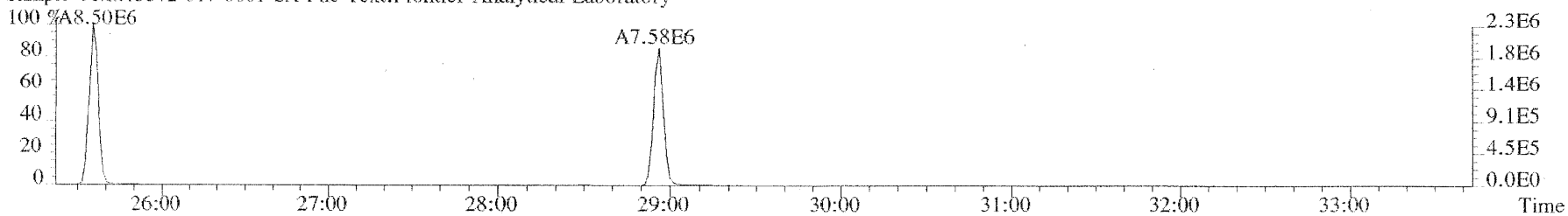
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



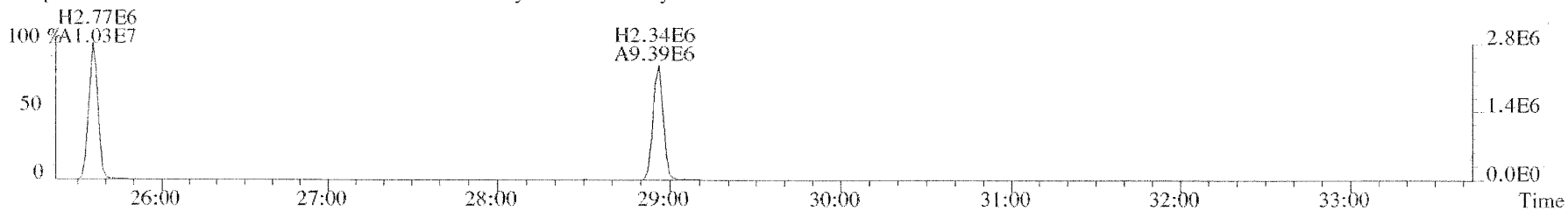
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



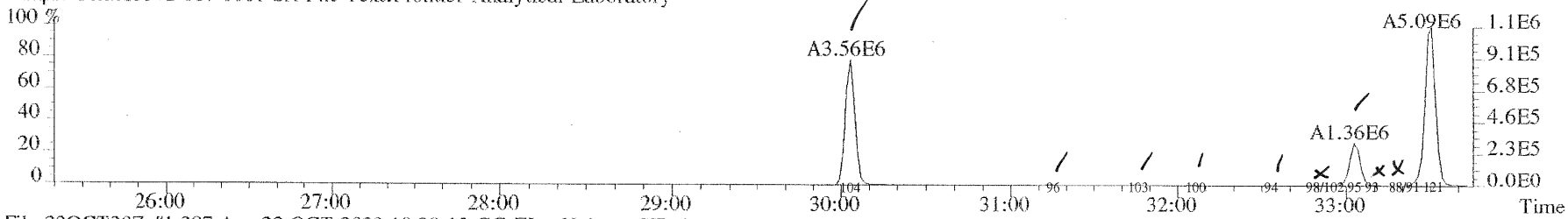
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



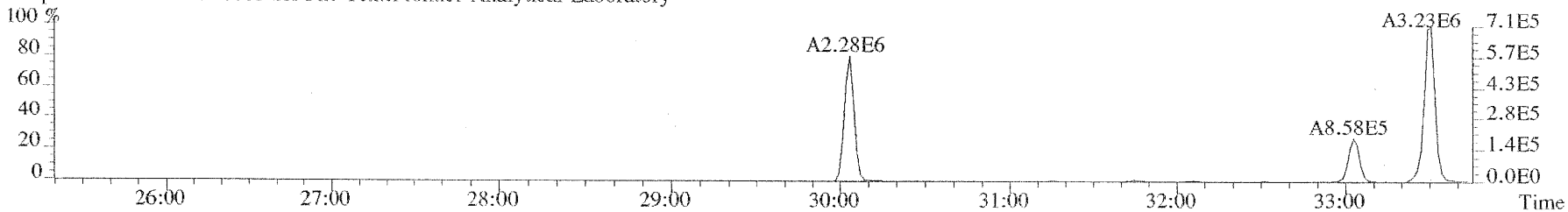
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



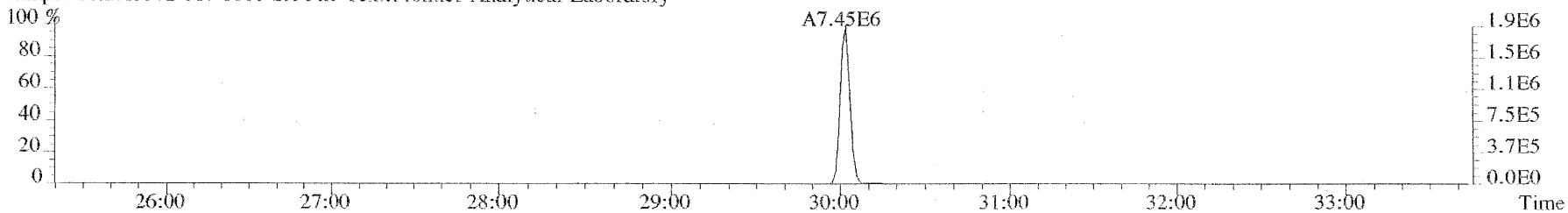
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



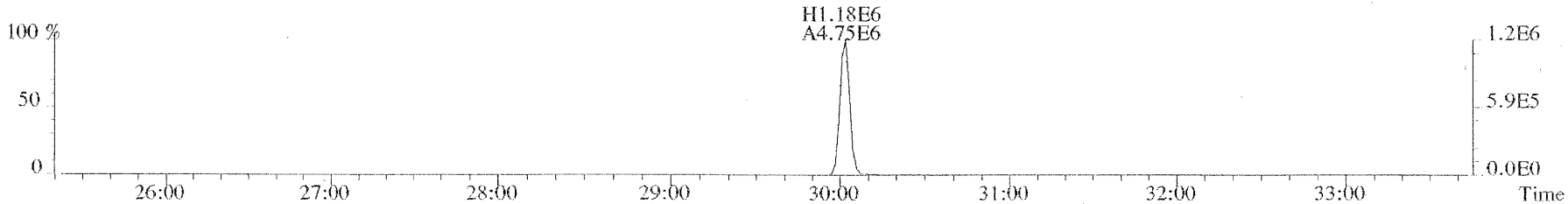
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



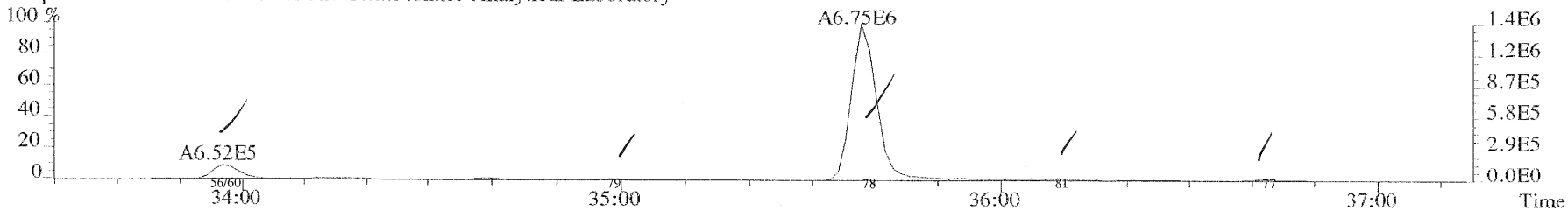
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



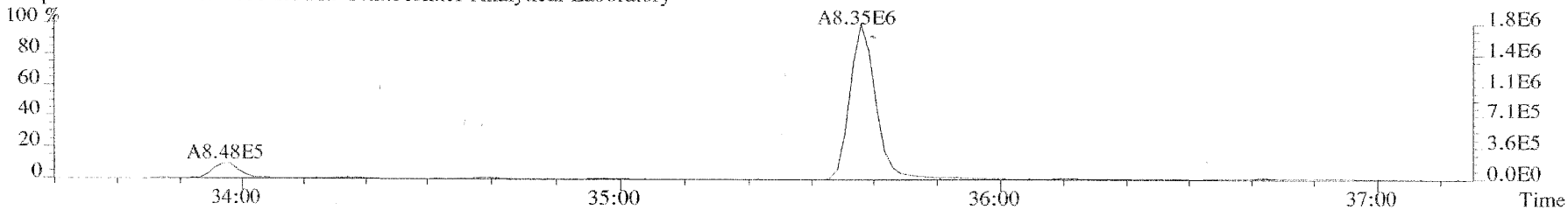
File:23OCT20Z #1-397 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



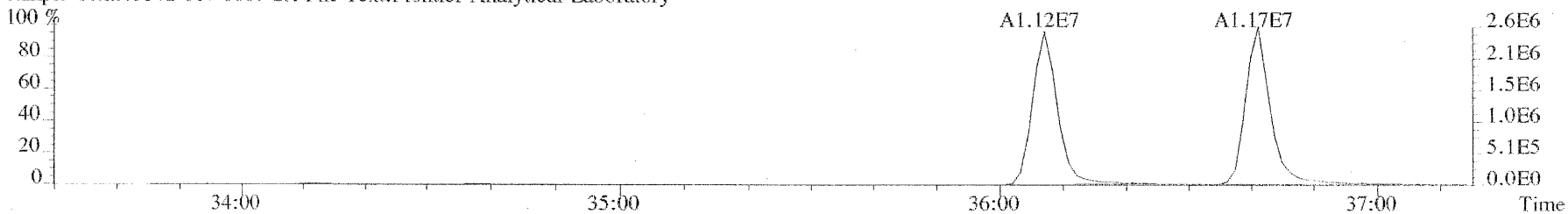
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



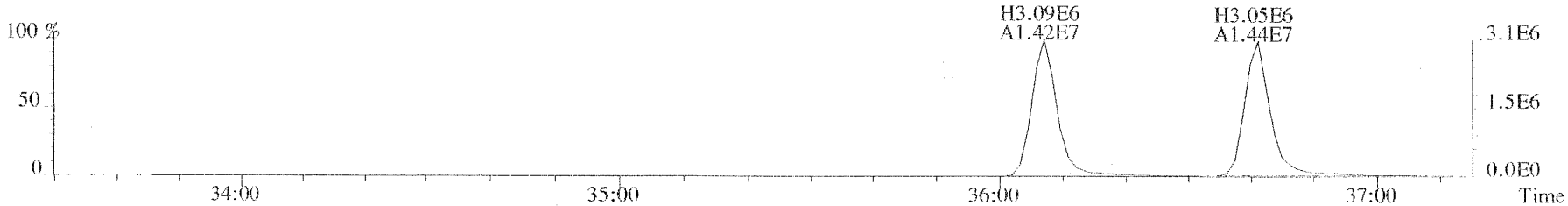
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



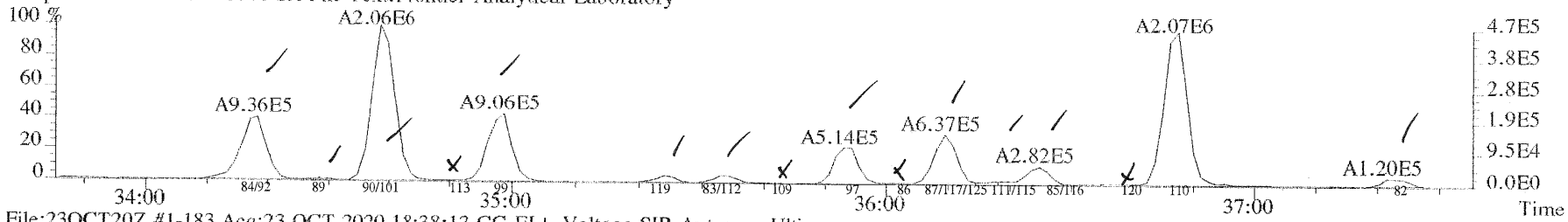
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



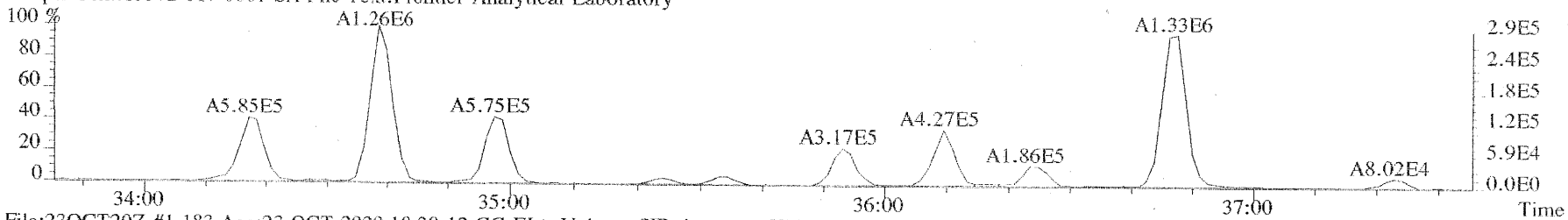
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



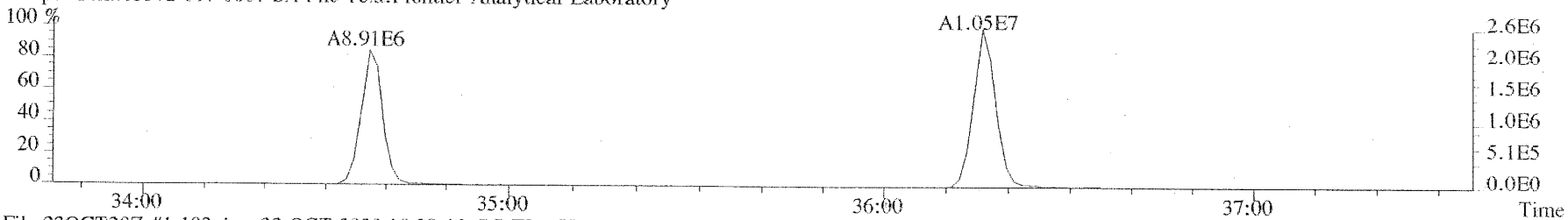
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



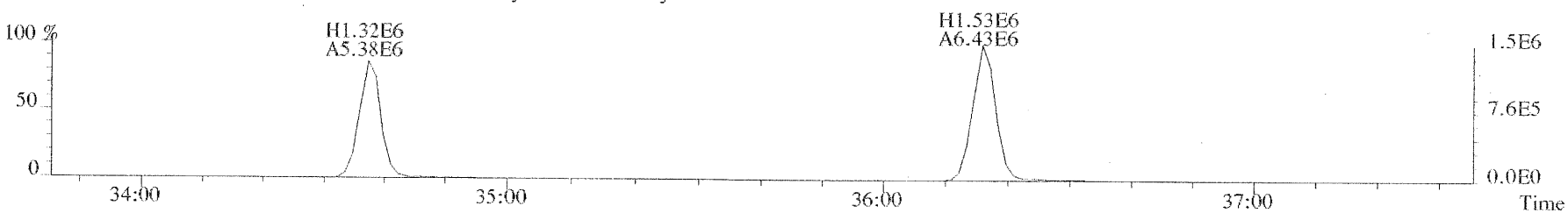
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



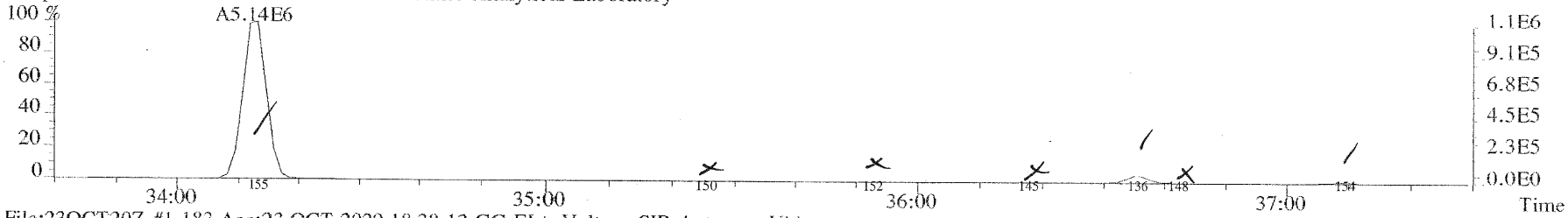
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



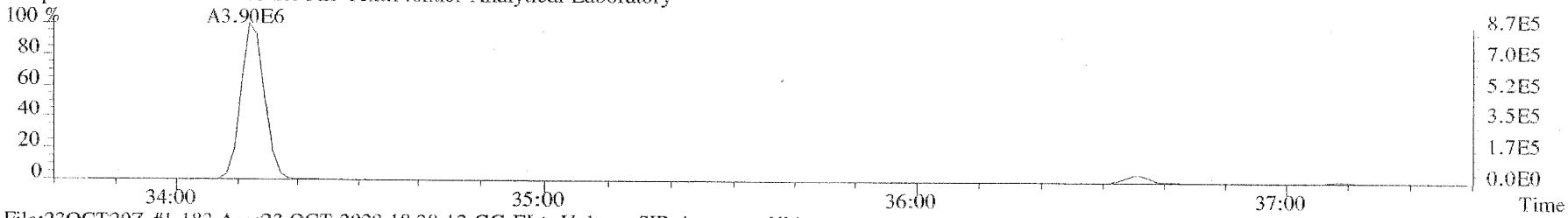
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



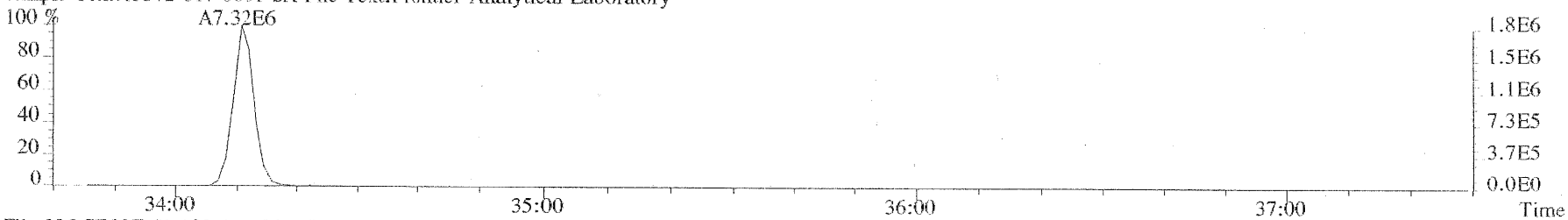
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



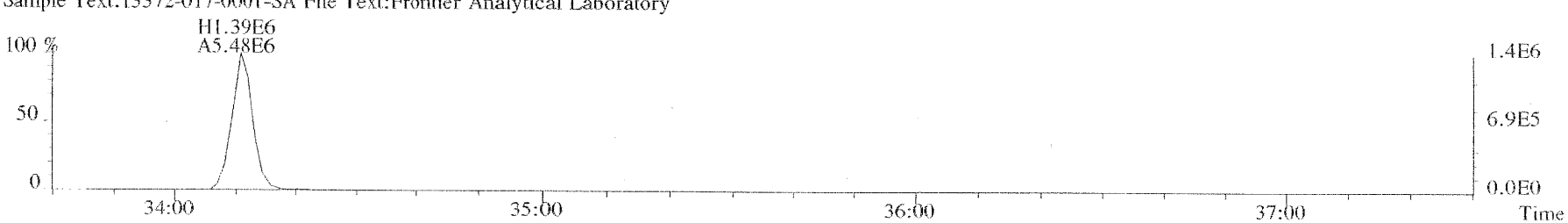
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



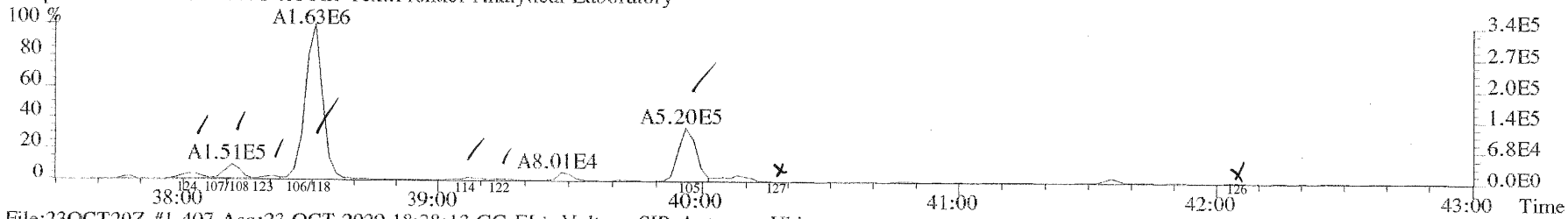
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



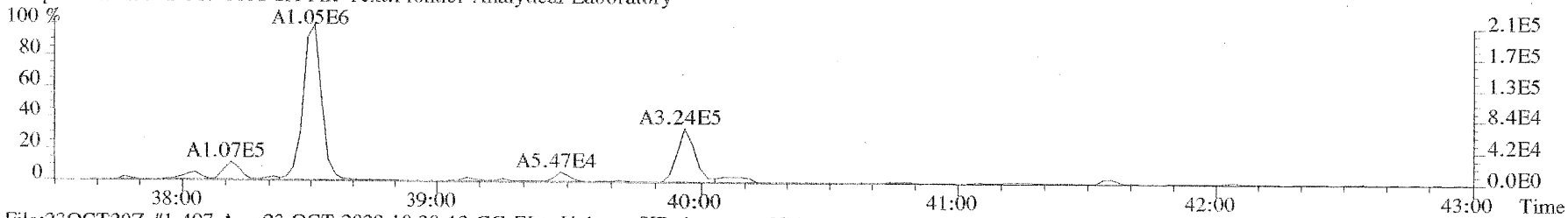
File:23OCT20Z #1-183 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



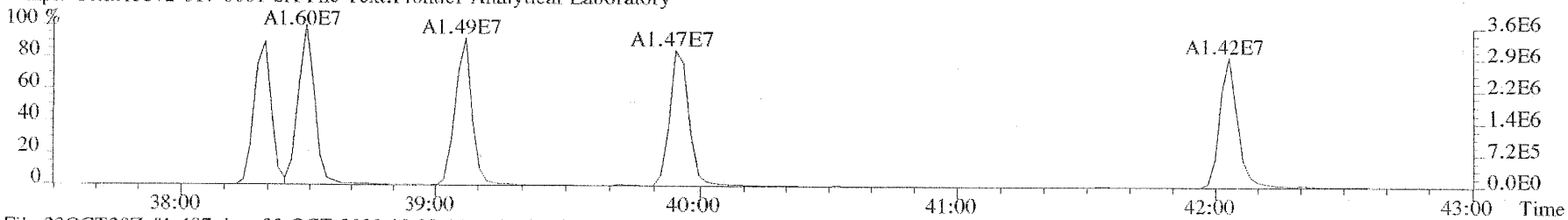
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



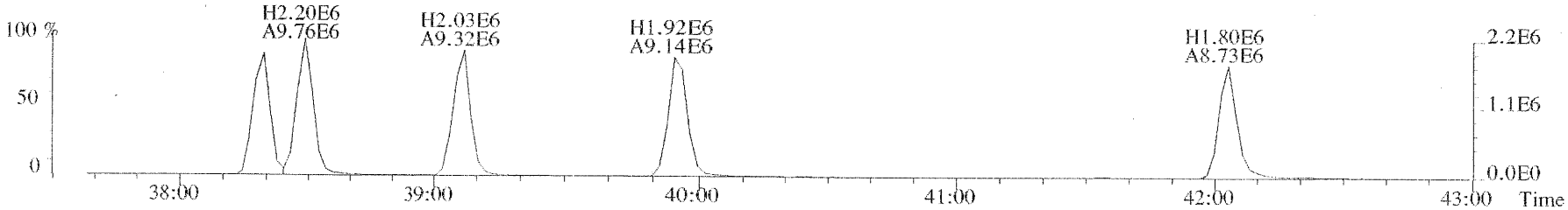
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



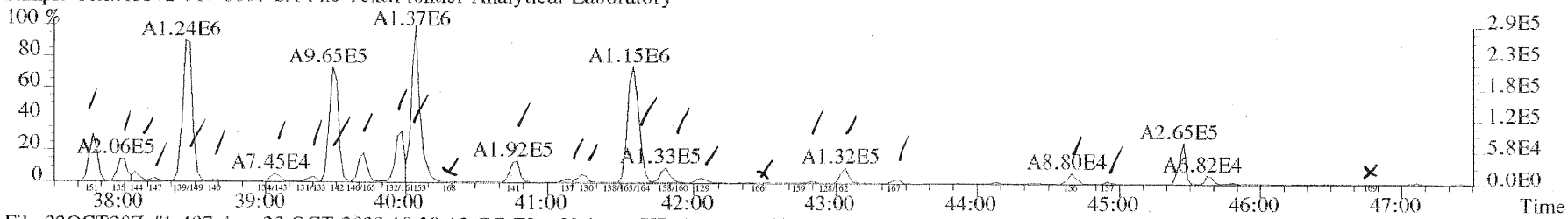
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



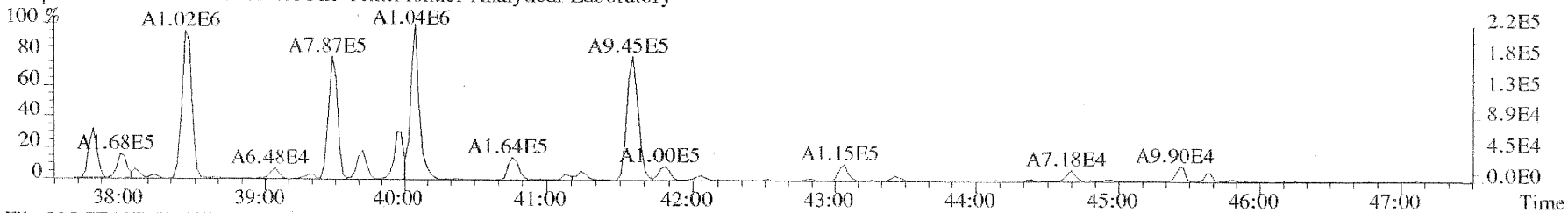
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



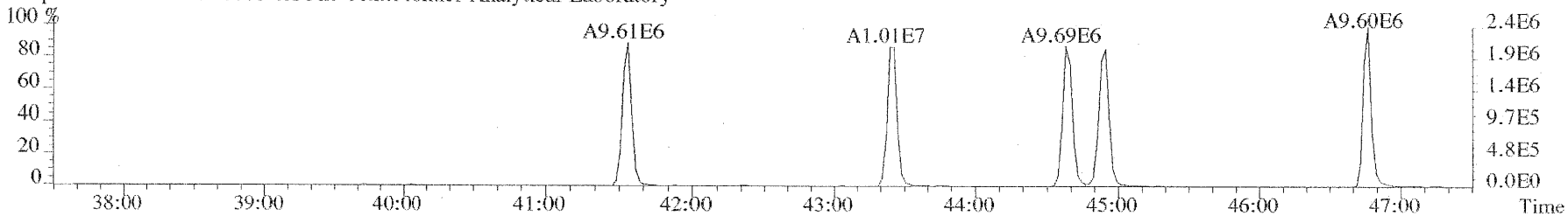
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 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:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 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:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
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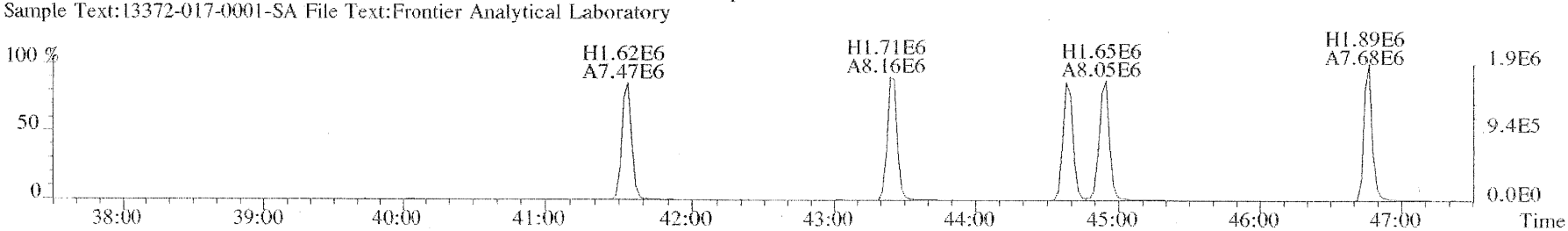
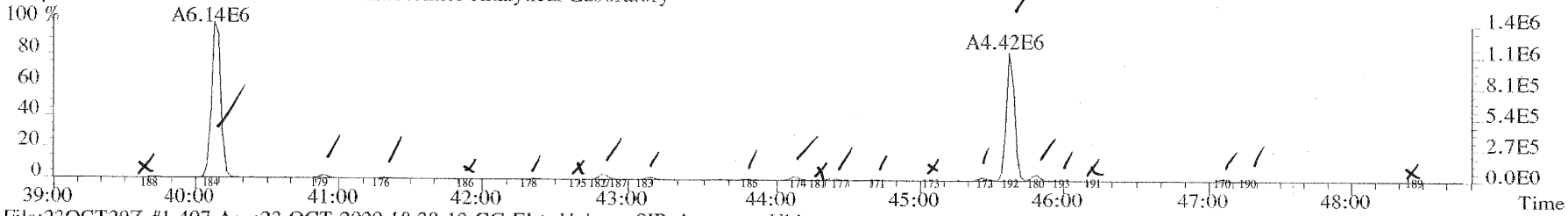
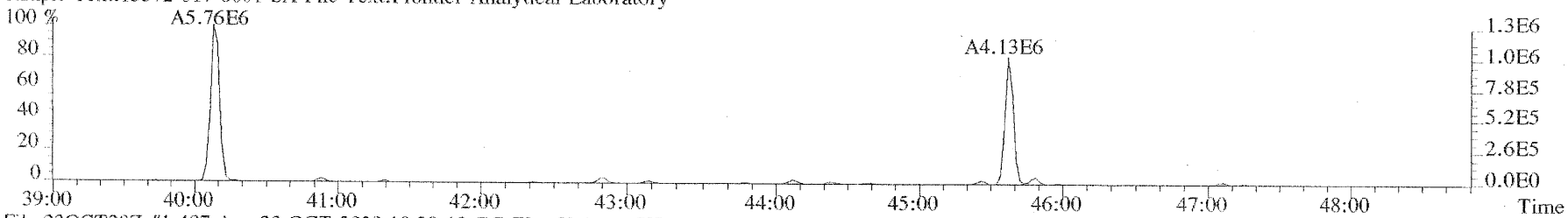
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



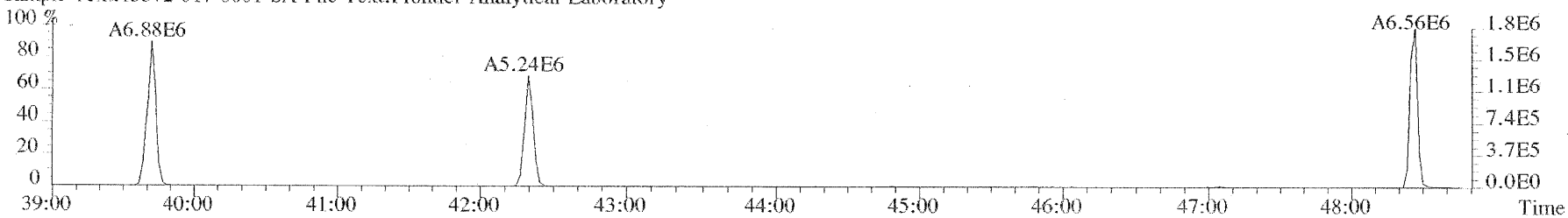
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



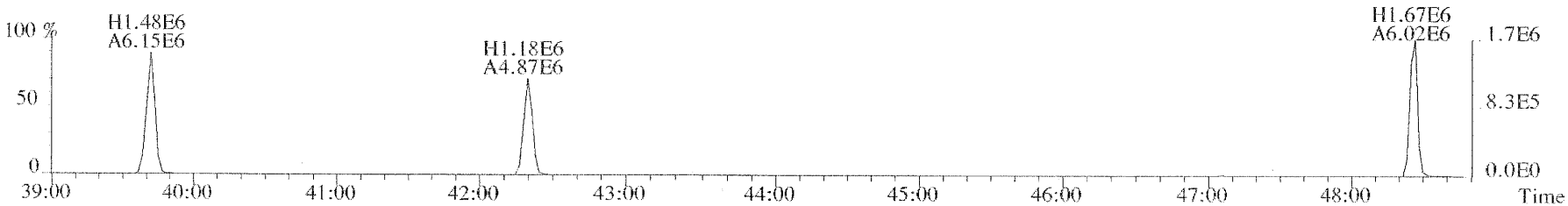
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



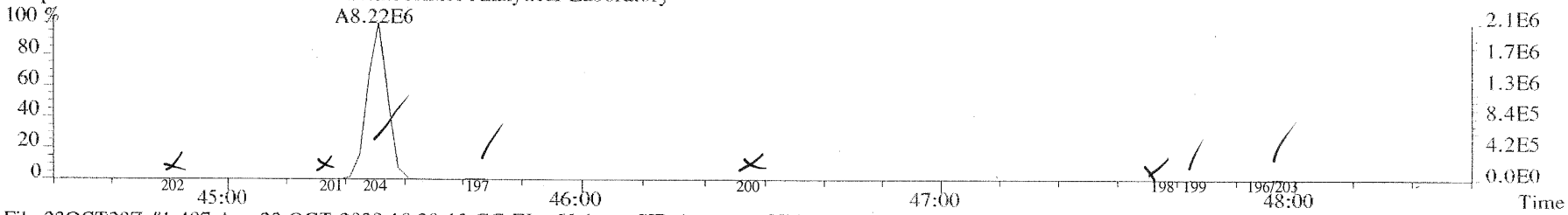
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



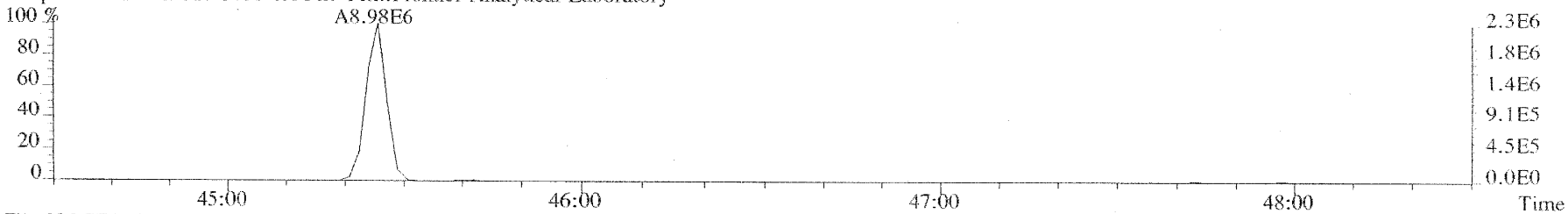
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



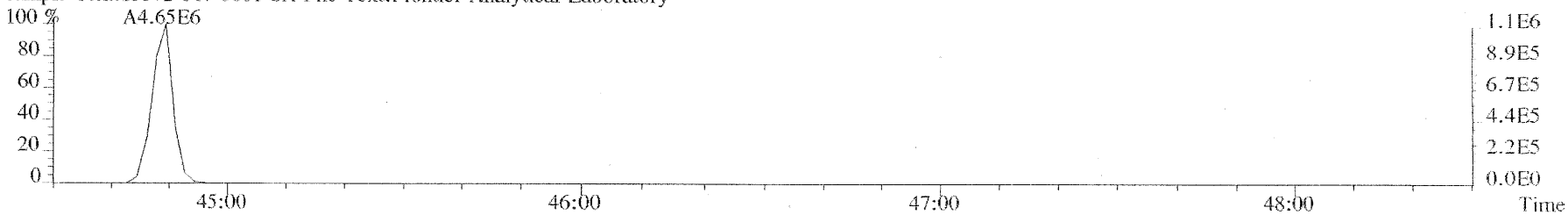
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



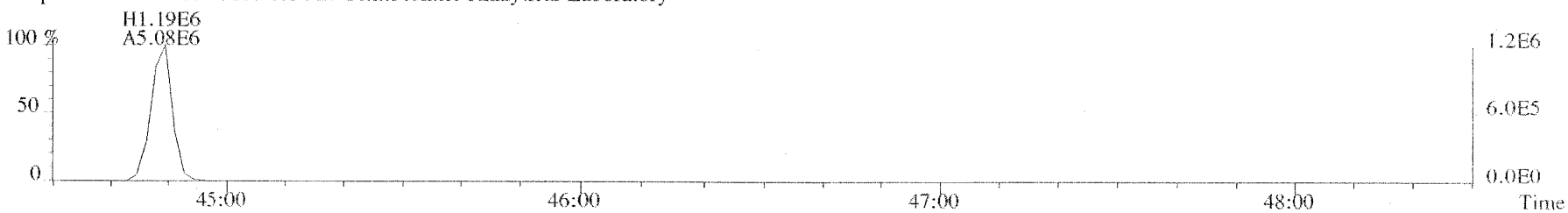
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



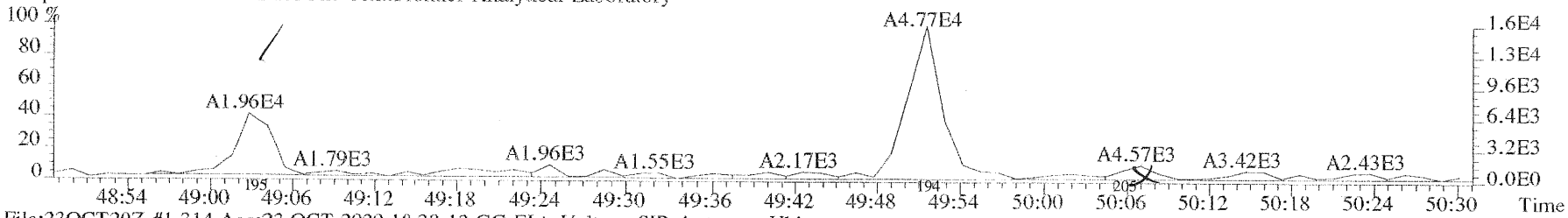
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



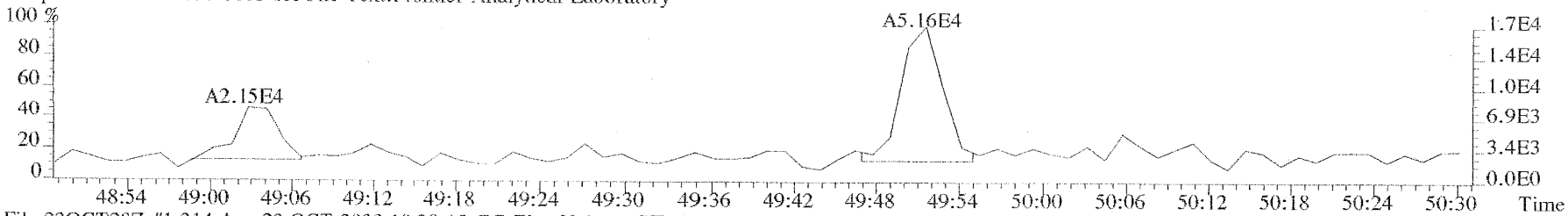
File:23OCT20Z #1-407 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



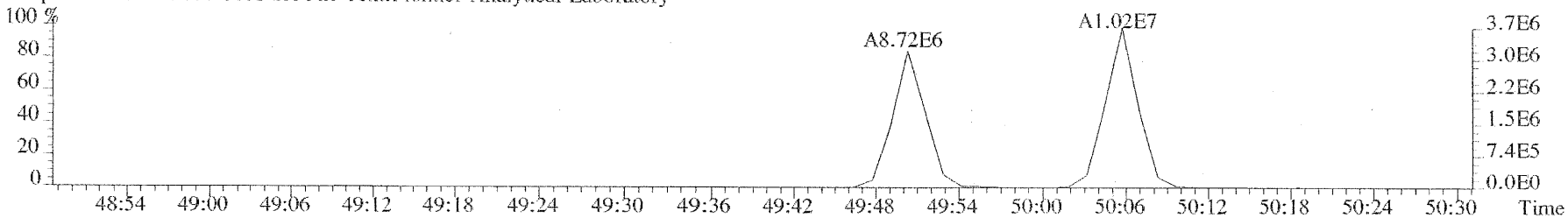
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



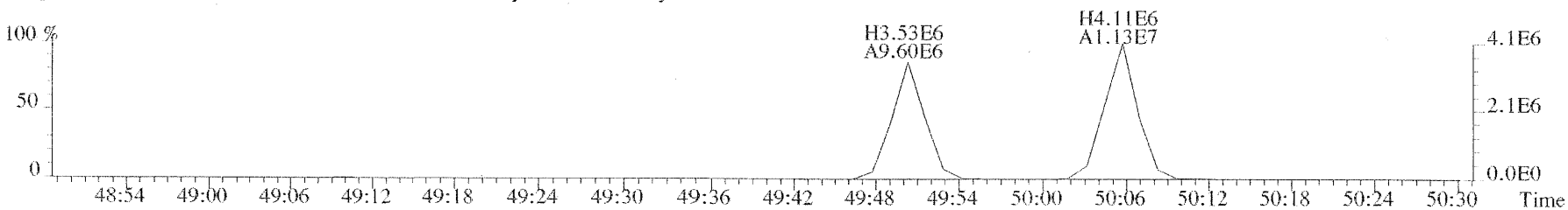
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



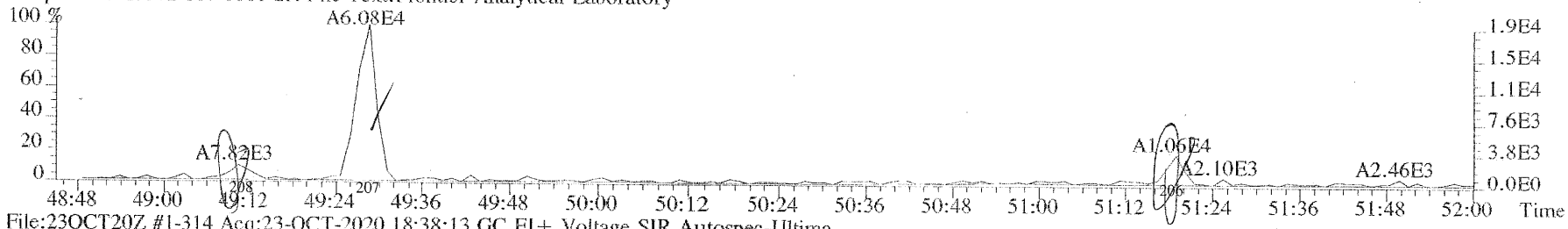
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



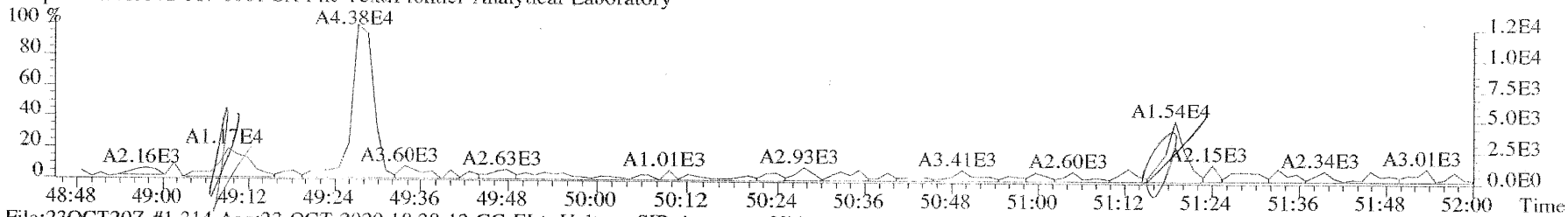
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



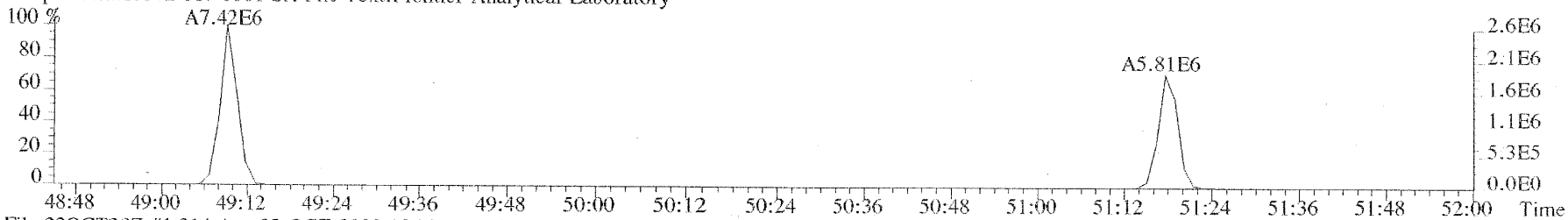
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



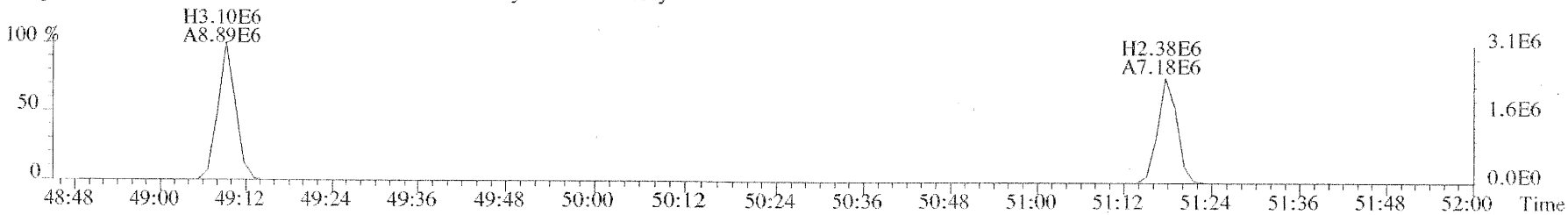
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



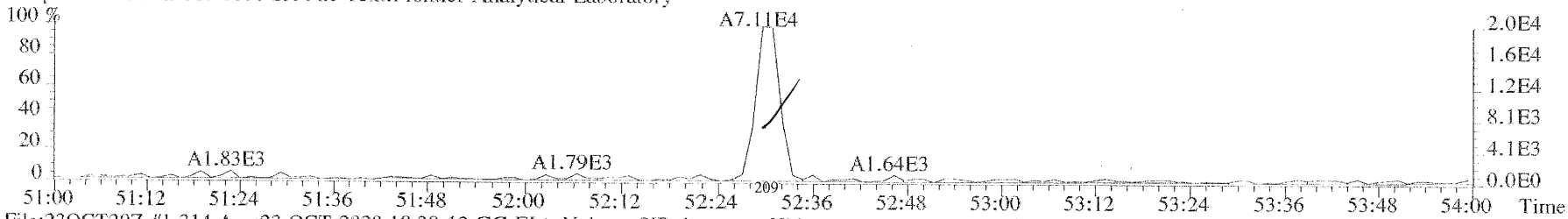
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



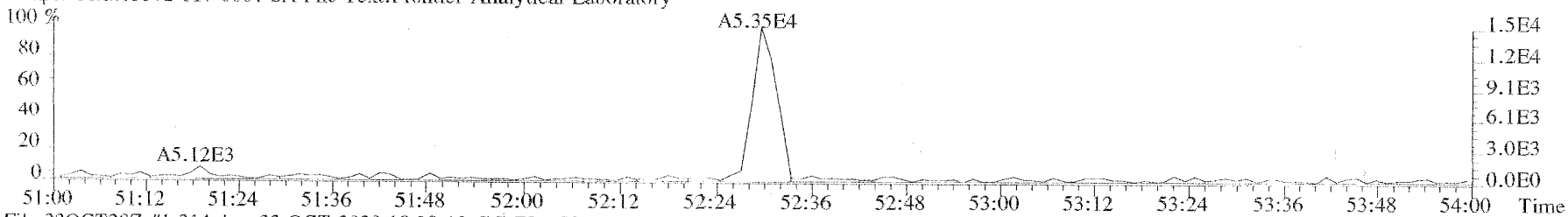
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



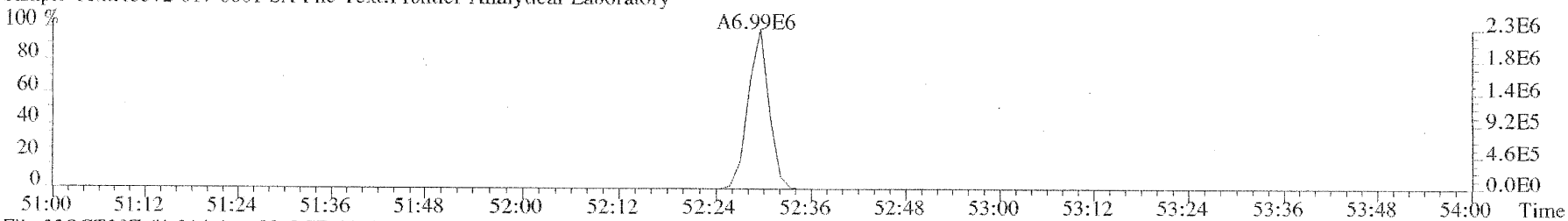
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



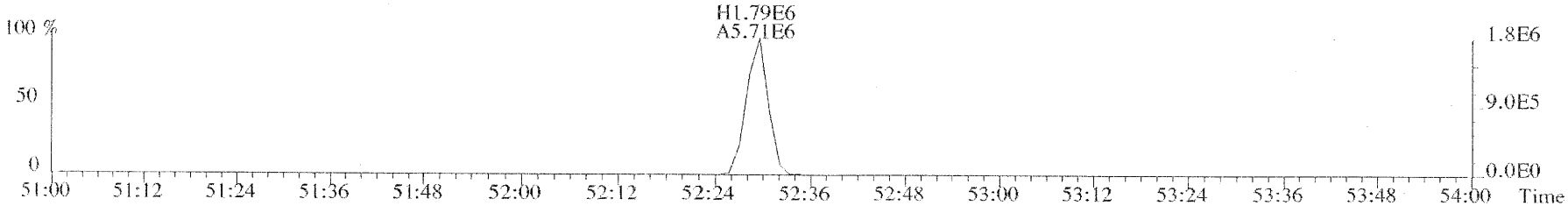
File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 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:13372-017-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 18:38:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-017-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-019-0001-SA Filename: 23OCT20Z Sam:10 Acquired: 23-OCT-20 19:36:34 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CB-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	5.13e+04	2.97 y	14:33	1.35	11.6	J	-	-	*			
13C-PCB-1	3.27e+07	3.26 y	14:32	0.94	7130					71.3	8.67e+06	2.62e+06
PCB-2	*	* n	NotFnd	1.44	*		1150	880	3.42			
PCB-3	*	* n	NotFnd	1.39	*		1150	880	3.85			
13C-PCB-3	3.23e+07	3.32 y	16:57	0.88	7550					75.5	7.47e+06	2.15e+06
PCB-4	2.77e+05	1.34 y	18:13	1.16	83.7		-	-	*			
PCB-10	*	* n	NotFnd	1.68	*		885	3440	7.11			
13C-PCB-4	2.84e+07	1.62 y	18:11	0.70	8340					83.4	5.64e+06	3.46e+06
PCB-9	*	* n	NotFnd	1.55	*		885	3440	7.69			
PCB-7	*	* n	NotFnd	1.55	*		885	3440	7.69			
PCB-6	3.04e+05	1.49 y	20:30	1.48	58.4		-	-	*			
PCB-8	7.86e+05	1.44 y	20:52	1.50	149		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		885	3440	8.05			
PCB-14	5.28e+06	1.42 y	21:55	1.53	981		-	-	*			
PCB-11	2.07e+05	1.34 y	23:04	1.39	42.5		-	-	*			
PCB-13	*	* n	NotFnd	1.33	*		885	3440	8.96			
PCB-12	*	* n	NotFnd	1.39	*		885	3440	8.59			
PCB-15	1.75e+05	1.43 y	23:43	1.30	32.4		-	-	*			
13C-PCB-15	4.18e+07	1.65 y	23:42	1.01	8450					84.5	5.61e+06	3.44e+06
PCB-19	1.86e+05	1.18 y	22:05	1.29	91.3		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2380	488	7.85			
PCB-18	1.84e+06	1.09 y	23:37	1.25	930		-	-	*			
PCB-17	8.64e+05	1.13 y	23:47	1.44	380		-	-	*			
PCB-27	8.96e+04	0.97 y	24:17	1.80	31.5		-	-	*			
PCB-24	1.49e+05	1.11 y	24:18	1.85	50.8		-	-	*			
PCB-16	7.13e+05	1.09 y	24:48	1.61	280		-	-	*			
PCB-32	4.82e+05	1.15 y	24:50	1.62	189		-	-	*			
13C-PCB-19	1.58e+07	1.12 y	22:03	0.47	6880					68.8	2.34e+06	2.18e+06
13C-PCB-9	4.88e+07	1.63 y	19:51	-	105							
PCB-34	*	* n	NotFnd	1.18	*		1350	1460	8.28			
PCB-23	*	* n	NotFnd	1.31	*		1350	1460	7.45			
PCB-29	*	* n	NotFnd	1.36	*		1350	1460	7.21			
PCB-26	7.89e+05	1.00 y	26:05	1.34	163		-	-	*			
PCB-25	4.31e+05	1.17 y	26:14	1.27	94.2		-	-	*			
PCB-31	2.83e+06	1.06 y	26:35	1.41	557		-	-	*			
PCB-28	3.33e+06	1.12 y	26:41	1.43	646		-	-	*			
PCB-20	1.64e+06	1.11 y	27:16	1.27	358		-	-	*		Co-elute PCB 21/33	
PCB-21	1.64e+06	1.11 y	27:16	1.27	358		-	-	*		Co-elute PCB 20/33	
PCB-33	1.64e+06	1.11 y	27:16	1.27	358		-	-	*		Co-elute PCB 20/21	
PCB-22	8.90e+05	1.11 y	27:42	1.33	186		-	-	*			
PCB-36	6.17e+06	1.07 y	28:16	1.37	1250		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1350	1460	8.12			
PCB-38	*	* n	NotFnd	1.35	*		1350	1460	7.23			
PCB-35	*	* n	NotFnd	1.27	*		1350	1460	7.72			
PCB-37	4.03e+05	1.12 y	30:22	1.21	92.5		-	-	*			
13C-PCB-37	3.60e+07	1.07 y	30:21	1.77	9150					91.5	3.67e+06	3.52e+06

PCB-54	*	*	n	NotFnd	1.36	*		836	960	5.48			
PCB-50	4.17e+04	0.78	y	26:42	1.16	15.6	J	-	-	*			
PCB-53	5.13e+05	0.81	y	27:19	1.02	216		-	-	*			
PCB-51	1.83e+05	0.71	y	27:39	1.04	76.1		-	-	*			
PCB-45	4.14e+05	0.77	y	28:03	0.98	182		-	-	*			
PCB-46	1.73e+05	0.70	y	28:31	0.92	81.6		-	-	*			
PCB-52	3.82e+06	0.80	y	28:57	1.11	1490		-	-	*	Co-elute PCB 69		
PCB-69	3.82e+06	0.80	y	28:57	1.11	1490		-	-	*	Co-elute PCB 52		
PCB-73	8.89e+04	0.68	y	29:04	1.30	29.5		-	-	*			
PCB-43	2.38e+06	0.80	y	29:14	1.00	1030		-	-	*	Co-elute PCB 49		
PCB-49	2.38e+06	0.80	y	29:14	1.00	1030		-	-	*	Co-elute PCB 43		
PCB-47	8.36e+05	0.84	y	29:26	0.99	363		-	-	*			
PCB-48	6.30e+05	0.78	y	29:33	1.26	215		-	-	*	Co-elute PCB 75		
PCB-75	6.30e+05	0.78	y	29:33	1.26	215		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		836	960	5.54			
PCB-62	*	*	n	NotFnd	1.19	*		836	960	6.28			
PCB-44	1.91e+06	0.78	y	30:11	0.85	973		-	-	*			
PCB-42	9.08e+05	0.79	y	30:25	1.12	351		-	-	*	Co-elute PCB 59		
PCB-59	9.08e+05	0.79	y	30:25	1.12	351		-	-	*	Co-elute PCB 42		
PCB-72	2.24e+06	0.79	y	30:57	1.22	788		-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.24e+06	0.79	y	30:57	1.22	788		-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.24e+06	0.79	y	30:57	1.22	788		-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.24e+06	0.79	y	30:57	1.22	788		-	-	*	Co-elute PCB 72/41/71		
PCB-68	7.96e+04	0.73	y	31:11	1.32	26.1		-	-	*			
PCB-40	2.97e+05	0.75	y	31:24	0.82	157		-	-	*			
PCB-57	*	*	n	NotFnd	1.33	*		836	960	5.60			
PCB-67	1.01e+05	0.83	y	32:02	1.26	34.7		-	-	*			
PCB-58	*	*	n	NotFnd	1.27	*		836	960	5.88			
PCB-63	1.06e+05	0.83	y	32:17	1.35	33.8		-	-	*			
PCB-74	1.02e+06	0.80	y	32:35	1.24	357		-	-	*			
PCB-61	2.29e+06	0.77	y	32:46	1.17	842		-	-	*	Co-elute PCB 70		
PCB-70	2.29e+06	0.77	y	32:46	1.17	842		-	-	*	Co-elute PCB 61		
PCB-76	1.92e+06	0.80	y	32:59	1.39	597		-	-	*	Co-elute PCB 66		
PCB-66	1.92e+06	0.80	y	32:59	1.39	597		-	-	*	Co-elute PCB 76		
PCB-80	7.61e+04	0.81	y	33:10	1.56	21.0		-	-	*			
PCB-55	2.36e+05	0.83	y	33:29	1.32	77.3		-	-	*			
13C-PCB-54	2.32e+07	0.81	y	25:35	1.32	7920					79.2	2.75e+06	3.26e+06
PCB-104	7.71e+06	1.58	y	30:03	1.23	4400		-	-	*			
PCB-96	3.18e+04	1.68	y	31:14	1.20	18.5	J	-	-	*			
PCB-103	5.00e+04	1.47	y	31:46	1.01	34.8		-	-	*			
PCB-100	3.22e+04	1.56	y	32:04	0.94	24.1		-	-	*			
PCB-94	*	*	n	NotFnd	0.78	*		396	408	7.77			
PCB-98	*	*	n	NotFnd	0.77	*		396	408	7.78	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		396	408	7.78	Co-elute PCB 98		
PCB-95	1.83e+06	1.57	y	33:03	0.96	1340		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		396	408	6.51			
PCB-88	*	*	n	NotFnd	0.52	*		396	408	11.5	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		396	408	11.5	Co-elute PCB 88		
PCB-121	1.04e+07	1.59	y	33:29	1.08	6730		-	-	*			
13C-PCB-104	1.42e+07	1.59	y	30:01	0.96	6670					66.7	2.06e+06	1.28e+06
13C-PCB-28	4.27e+07	1.09	y	26:40	2.13	9030					90.3	5.22e+06	4.76e+06
13C-PCB-52	2.22e+07	0.81	y	28:56	-	103							

PCB-56	1.49e+06	0.80	y	33:57	1.21	376		-	-	*		Co-elute PCB 60	
PCB-60	1.49e+06	0.80	y	33:57	1.21	376		-	-	*		Co-elute PCB 56	
PCB-79	6.23e+04	0.81	y	34:57	1.38	13.8	J	-	-	*			
PCB-78	1.75e+07	0.81	y	35:38	1.38	3870		-	-	*			
PCB-81	1.56e+05	0.85	y	36:09	1.41	33.8		-	-	*			
13C-PCB-81	3.27e+07	0.81	y	36:07	1.78	9640					96.4	2.89e+06	3.66e+06
PCB-77	1.55e+05	0.87	y	36:41	1.17	40.2		-	-	*			
13C-PCB-77	3.29e+07	0.82	y	36:40	1.84	9430					94.3	2.91e+06	3.61e+06
PCB-155	1.31e+07	1.27	y	34:12	1.14	6960		-	-	*			
PCB-150	*	*	n	NotFnd	1.06	*		528	580	6.72			
PCB-152	*	*	n	NotFnd	1.15	*		528	580	6.21			
PCB-145	*	*	n	NotFnd	1.06	*		528	580	6.72			
PCB-136	3.65e+05	1.32	y	36:36	1.05	210		-	-	*			
PCB-148	*	*	n	NotFnd	0.92	*		528	580	7.78			
PCB-154	6.31e+04	1.26	y	37:09	0.93	41.0		-	-	*			
13C-PCB-155	1.65e+07	1.29	y	34:11	1.26	6870					68.7	2.16e+06	1.71e+06
13C-PCB-111	2.15e+07	1.63	y	36:16	1.32	8590					85.9	2.96e+06	1.83e+06
13C-PCB-101	1.90e+07	1.64	y	34:37	-	108							
PCB-84	1.38e+06	1.58	y	34:17	0.74	599		-	-	*		Co-elute PCB 92	
PCB-92	1.38e+06	1.58	y	34:17	0.74	599		-	-	*		Co-elute PCB 84	
PCB-89	4.33e+04	1.38	y	34:27	0.77	18.1	J	-	-	*			
PCB-90	2.96e+06	1.58	y	34:38	0.80	1190		-	-	*		Co-elute PCB 101	
PCB-101	2.96e+06	1.58	y	34:38	0.80	1190		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.89	*		884	960	8.04			
PCB-99	1.35e+06	1.60	y	34:57	0.92	469		-	-	*			
PCB-119	1.12e+05	1.47	y	35:24	1.06	33.9		-	-	*			
PCB-83	1.45e+05	1.73	y	35:33	0.83	55.8		-	-	*		Co-elute PCB 112	
PCB-112	1.45e+05	1.73	y	35:33	0.83	55.8		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.97	*		884	960	7.37			
PCB-97	6.83e+05	1.53	y	35:53	0.68	323		-	-	*			
PCB-86	*	*	n	NotFnd	0.68	*		884	960	10.5			
PCB-125	9.81e+05	1.51	y	36:09	0.92	341		-	-	*		Co-elute PCB 87/117	
PCB-87	9.81e+05	1.51	y	36:09	0.92	341		-	-	*		Co-elute PCB 125/117	
PCB-117	9.81e+05	1.51	y	36:09	0.92	341		-	-	*		Co-elute PCB 125/87	
PCB-111	6.67e+04	1.42	y	36:18	0.99	21.6		-	-	*		Co-elute PCB 115	
PCB-115	6.67e+04	1.42	y	36:18	0.99	21.6		-	-	*		Co-elute PCB 111	
PCB-85	3.76e+05	1.62	y	36:25	0.92	132		-	-	*		Co-elute PCB 116	
PCB-116	3.76e+05	1.62	y	36:25	0.92	132		-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.12	*		884	960	6.39			
PCB-110	3.02e+06	1.53	y	36:46	0.99	974		-	-	*			
PCB-82	2.09e+05	1.37	y	37:23	0.65	104		-	-	*			
PCB-124	1.25e+05	1.50	y	38:03	1.25	31.9		-	-	*			
PCB-108	2.17e+05	1.45	y	38:11	1.23	56.7		-	-	*		Co-elute PCB 107	
PCB-107	2.17e+05	1.45	y	38:11	1.23	56.7		-	-	*		Co-elute PCB 108	
PCB-123	4.69e+04	1.61	y	38:21	1.19	13.0	J	-	-	*			
13C-PCB-123	3.04e+07	1.61	y	38:18	1.42	9990					99.9	3.88e+06	2.41e+06
PCB-118	2.43e+06	1.52	y	38:31	1.22	605		-	-	*		Co-elute PCB 106	
PCB-106	2.43e+06	1.52	y	38:31	1.22	605		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.29e+07	1.62	y	38:29	1.59	9690					96.9	4.31e+06	2.63e+06
PCB-114	7.73e+04	1.71	y	39:09	1.18	20.9		-	-	*			
13C-PCB-114	3.14e+07	1.62	y	39:05	1.50	9810					98.1	3.84e+06	2.42e+06
PCB-122	*	*	n	NotFnd	1.30	*		868	960	5.44			
PCB-105	7.85e+05	1.60	y	39:56	1.36	192		-	-	*			
13C-PCB-105	3.02e+07	1.62	y	39:55	1.52	9300					93.0	3.93e+06	2.46e+06

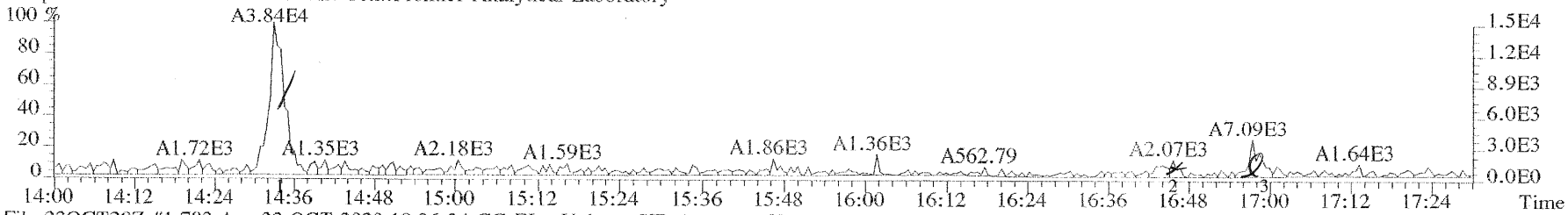
PCB-127	*	*	n	NotFnd	1.27	*		868	960	5.56				
PCB-126	*	*	n	NotFnd	1.23	*		868	960	6.20				
13C-PCB-126	2.87e+07	1.60	y	42:03	1.36	9890					98.9	3.73e+06	2.28e+06	
PCB-151	6.57e+05	1.27	y	37:46	1.14	260		-	-	*				
PCB-135	3.66e+05	1.15	y	37:58	1.05	157		-	-	*				
PCB-144	1.08e+05	1.28	y	38:04	1.17	41.6		-	-	*				
PCB-147	5.13e+04	1.06	y	38:13	1.24	18.6	J	-	-	*				
PCB-139	2.10e+06	1.25	y	38:26	1.14	831		-	-	*		Co-elute PCB 149		
PCB-149	2.10e+06	1.25	y	38:26	1.14	831		-	-	*		Co-elute PCB 139		
PCB-140	3.75e+04	1.17	y	38:37	1.27	13.3	J	-	-	*				
PCB-143	1.29e+05	1.20	y	39:04	1.00	58.3		-	-	*		Co-elute PCB 134		
PCB-134	1.29e+05	1.20	y	39:04	1.00	58.3		-	-	*		Co-elute PCB 143		
PCB-131	6.64e+04	1.42	y	39:18	1.00	30.0		-	-	*		Co-elute PCB 133		
PCB-133	6.64e+04	1.42	y	39:18	1.00	30.0		-	-	*		Co-elute PCB 131		
PCB-142	2.18e+06	1.24	y	39:28	1.05	932		-	-	*				
PCB-165	4.12e+05	1.29	y	39:42	1.30	143		-	-	*		Co-elute PCB 146		
PCB-146	4.12e+05	1.29	y	39:42	1.30	143		-	-	*		Co-elute PCB 165		
PCB-161	6.81e+05	1.26	y	39:56	1.24	247		-	-	*		Co-elute PCB 132		
PCB-132	6.81e+05	1.26	y	39:56	1.24	247		-	-	*		Co-elute PCB 161		
PCB-153	2.24e+06	1.28	y	40:05	1.40	722		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1130	872	7.22				
PCB-141	3.15e+05	1.16	y	40:46	1.13	126		-	-	*				
PCB-137	6.94e+04	1.08	y	41:07	1.01	30.9		-	-	*				
PCB-130	1.20e+05	1.14	y	41:14	1.05	51.5		-	-	*				
PCB-138	1.93e+06	1.24	y	41:35	1.25	694		-	-	*		Co-elute PCB 163/164		
PCB-163	1.93e+06	1.24	y	41:35	1.25	694		-	-	*		Co-elute PCB 138/164		
PCB-164	1.93e+06	1.24	y	41:35	1.25	694		-	-	*		Co-elute PCB 138/163		
PCB-158	2.25e+05	1.31	y	41:48	1.42	71.3		-	-	*		Co-elute PCB 160		
PCB-160	2.25e+05	1.31	y	41:48	1.42	71.3		-	-	*		Co-elute PCB 158		
PCB-129	7.88e+04	1.13	y	42:03	0.99	35.7		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		1130	872	7.04				
PCB-159	3.90e+04	1.14	y	42:49	1.53	11.5	J	-	-	*				
PCB-128	2.62e+05	1.36	y	43:04	1.14	104		-	-	*		Co-elute PCB 162		
PCB-162	2.62e+05	1.36	y	43:04	1.14	104		-	-	*		Co-elute PCB 128		
PCB-167	6.38e+04	1.22	y	43:25	1.33	20.8		-	-	*				
13C-PCB-167	2.30e+07	1.28	y	43:25	1.16	9330					93.3	2.82e+06	2.18e+06	
PCB-156	1.40e+05	1.34	y	44:39	1.40	46.1		-	-	*				
13C-PCB-156	2.19e+07	1.28	y	44:38	1.13	9060					90.6	2.65e+06	2.10e+06	
PCB-157	3.68e+04	1.31	y	44:54	1.26	13.2	J	-	-	*				
13C-PCB-157	2.21e+07	1.29	y	44:54	1.14	9020					90.2	2.64e+06	2.01e+06	
PCB-169	*	*	n	NotFnd	1.22	*		1130	872	7.05				
13C-PCB-169	2.18e+07	1.28	y	46:46	1.04	9820					98.2	3.27e+06	2.55e+06	

FAL ID: 13372-019-0001-SA Filename: 23OCT20Z Sam:10 Acquired: 23-OCT-20 19:36:34 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CB-S010-BIO ConCal: ST10232OZ1 EndCal: ST10232OZ2
Results: 13372-8 GC Column: DB1MS Amount: 1.000

PCB-188	*	*	n	NotFnd	1.19	*		660	512	6.47			
13C-PCB-188	1.68e+07	1.08	y	39:42	1.06	7380					73.8	1.97e+06	1.83e+06
PCB-184	1.52e+07	1.06	y	40:08	1.38	6780		-	-	*			
PCB-179	2.17e+05	1.03	y	40:52	1.38	97.4		-	-	*			
PCB-176	6.57e+04	1.08	y	41:19	1.33	30.5		-	-	*			
PCB-186	*	*	n	NotFnd	1.25	*		660	512	5.71			
PCB-178	6.94e+04	1.05	y	42:21	0.95	45.3		-	-	*			
PCB-175	*	*	n	NotFnd	0.98	*		660	512	7.29			
PCB-187	3.98e+05	1.01	y	42:49	1.04	235		-	-	*		Co-elute PCB 182	
PCB-182	3.98e+05	1.01	y	42:49	1.04	235		-	-	*		Co-elute PCB 187	
PCB-183	1.84e+05	1.12	y	43:09	1.07	106		-	-	*			
PCB-185	3.71e+04	0.98	y	43:47	0.88	25.9		-	-	*			
PCB-174	2.54e+05	1.10	y	44:07	0.94	167		-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*		660	512	7.70			
PCB-177	1.57e+05	0.96	y	44:23	0.90	107		-	-	*			
PCB-171	7.39e+04	1.18	y	44:39	0.96	47.5		-	-	*			
PCB-173	*	*	n	NotFnd	0.84	*		660	512	8.47			
PCB-172	2.46e+05	1.09	y	45:26	0.90	169		-	-	*			
PCB-192	1.02e+07	1.07	y	45:37	1.07	5850		-	-	*			
PCB-180	5.05e+05	1.08	y	45:49	0.86	364		-	-	*			
PCB-193	4.28e+04	1.11	y	46:00	1.19	22.1		-	-	*			
PCB-191	*	*	n	NotFnd	1.19	*		660	512	5.99			
PCB-170	1.47e+05	1.15	y	47:06	0.86	105		-	-	*			
PCB-190	3.79e+04	1.20	y	47:16	1.17	20.0		-	-	*			
PCB-189	*	*	n	NotFnd	1.16	*		660	512	5.59			
13C-PCB-189	1.56e+07	1.09	y	48:27	0.86	8490					84.9	2.37e+06	2.14e+06
PCB-202	*	*	n	NotFnd	1.11	*		368	404	6.59			
PCB-201	*	*	n	NotFnd	1.27	*		368	404	5.79			
PCB-204	1.98e+07	0.89	y	45:26	1.28	13100		-	-	*			
PCB-197	9.56e+04	0.90	y	45:42	1.20	67.5		-	-	*			
PCB-200	*	*	n	NotFnd	1.25	*		368	404	5.85			
PCB-198	*	*	n	NotFnd	0.90	*		368	404	8.19			
PCB-199	6.45e+04	0.92	y	47:42	0.85	64.0		-	-	*			
PCB-203	7.13e+04	0.76	y	47:57	0.95	63.4		-	-	*		Co-elute PCB 196	
PCB-196	7.13e+04	0.76	y	47:57	0.95	63.4		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.19e+07	0.92	y	44:49	0.77	7250					72.5	1.28e+06	1.35e+06
13C-PCB-178	1.23e+07	1.07	y	42:20	0.76	7620					76.2	1.50e+06	1.38e+06
13C-PCB-138	2.14e+07	1.27	y	41:33	-	108							
PCB-195	5.33e+04	0.85	y	49:04	0.94	21.5		-	-	*			
PCB-194	1.13e+05	0.83	y	49:52	1.03	41.7		-	-	*			
PCB-205	*	*	n	NotFnd	1.17	*		1090	1280	5.38			
13C-PCB-205	2.65e+07	0.89	y	50:06	1.30	8940					89.4	4.42e+06	4.97e+06
PCB-208	*	*	n	NotFnd	1.16	*		756	824	5.22			
13C-PCB-208	2.10e+07	0.83	y	49:09	1.13	8200					82.0	2.94e+06	3.59e+06
PCB-207	1.28e+05	1.36	y	49:28	1.39	50.2		-	-	*			
PCB-206	2.77e+04	1.32	y	51:19	1.17	15.3	J	-	-	*			
13C-PCB-206	1.55e+07	0.83	y	51:18	0.85	8040					80.4	2.32e+06	2.84e+06
PCB-209	1.36e+05	1.19	y	52:31	1.24	71.3		-	-	*			
13C-PCB-209	1.54e+07	1.22	y	52:29	0.88	7720					77.2	2.82e+06	2.34e+06
13C-PCB-194	2.27e+07	0.92	y	49:50	-	114							

Analyst: _____ Date: 10/28/20

File:23OCT20Z #1-783 Acq:23-OCT-2020 19:36:34 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-783 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
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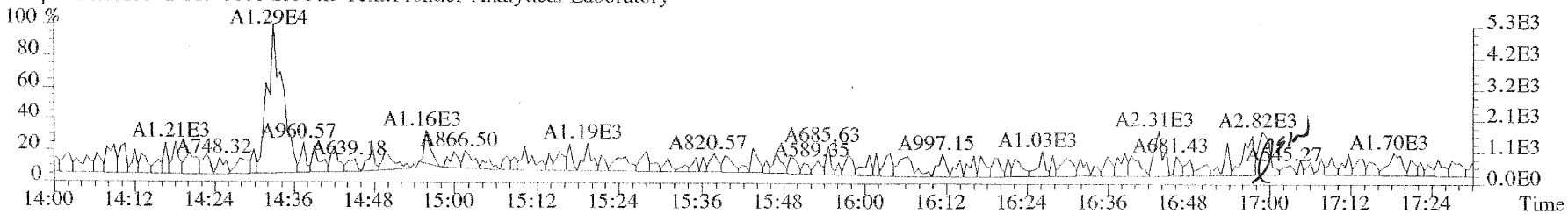
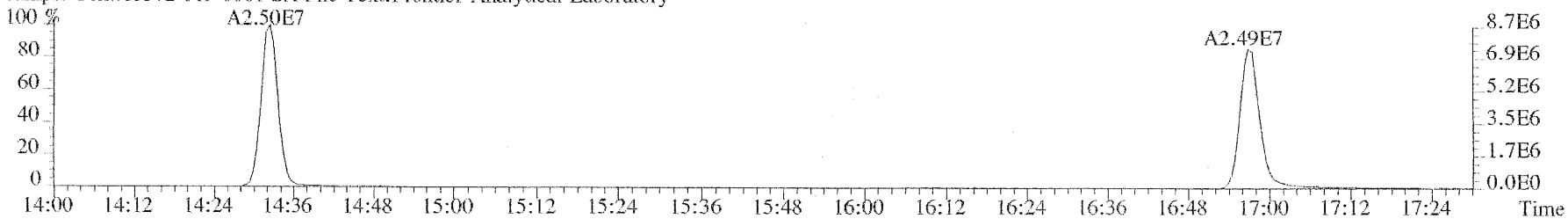
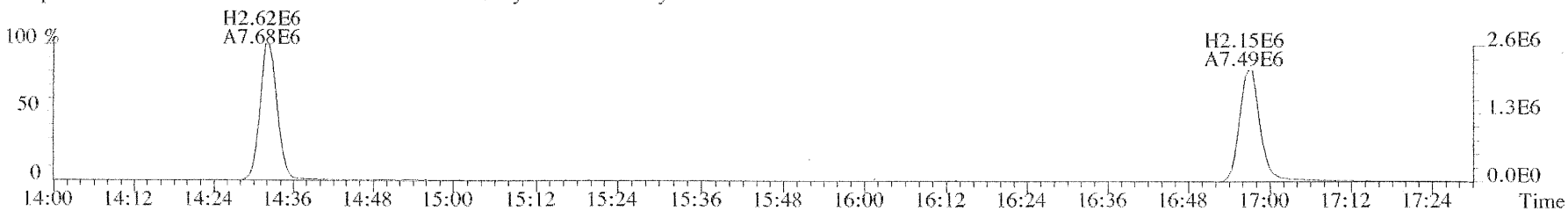
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



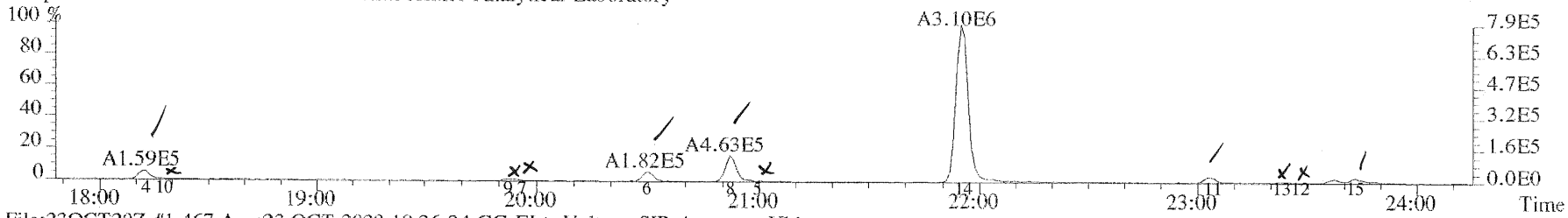
File:23OCT20Z #1-783 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



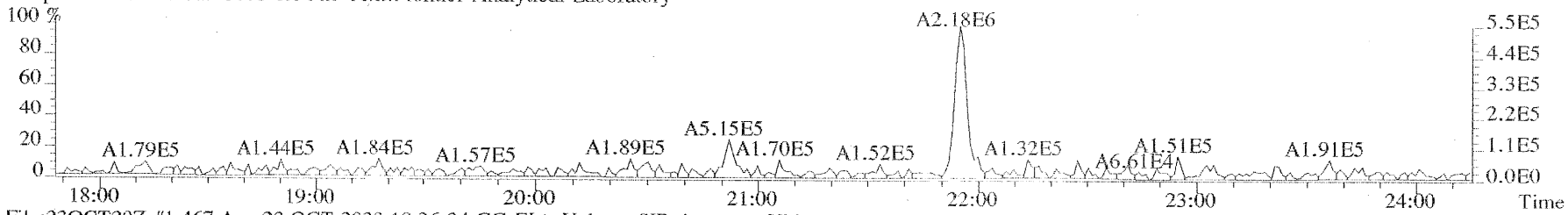
File:23OCT20Z #1-783 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:10 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



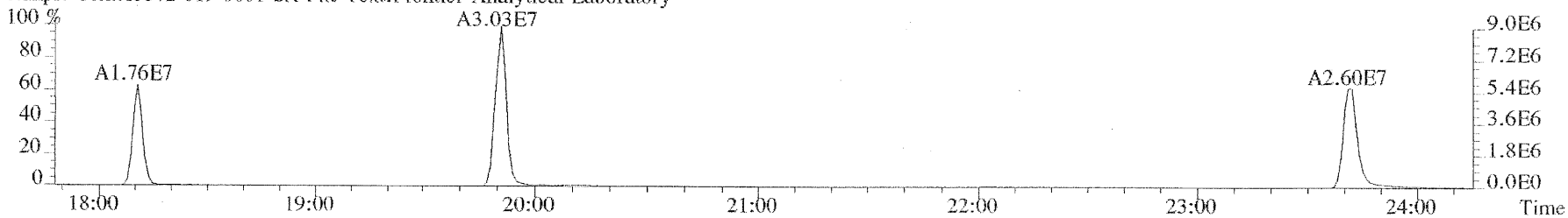
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



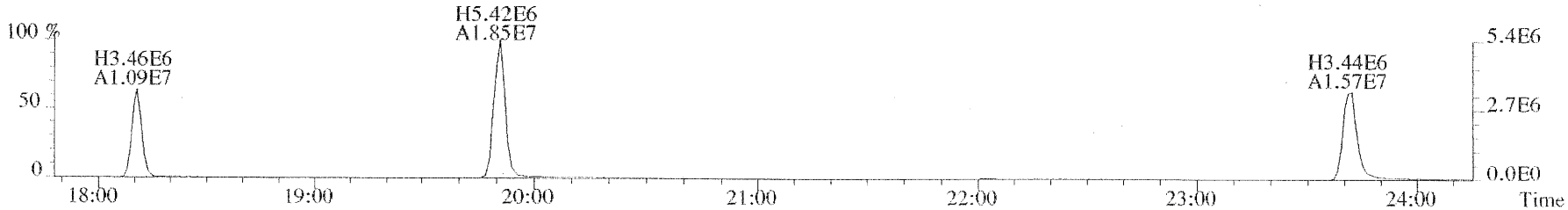
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



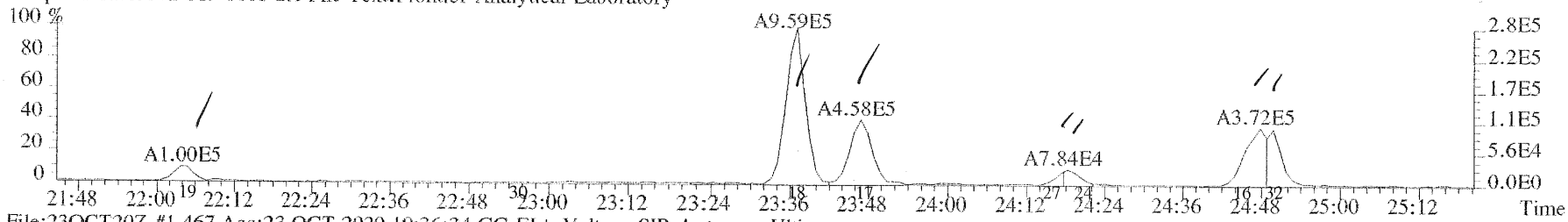
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



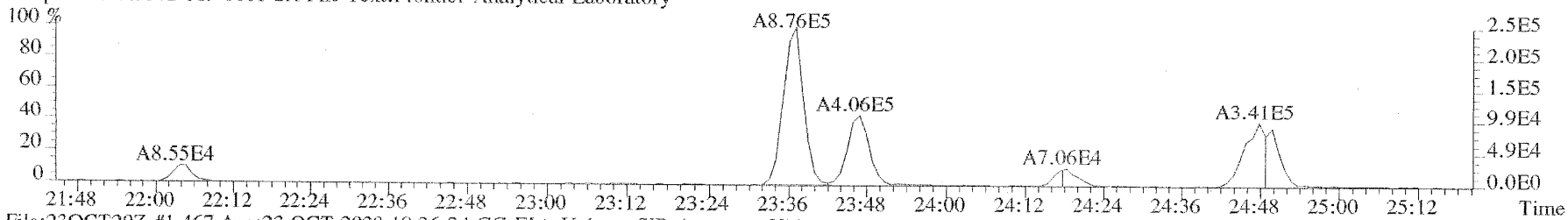
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:10 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



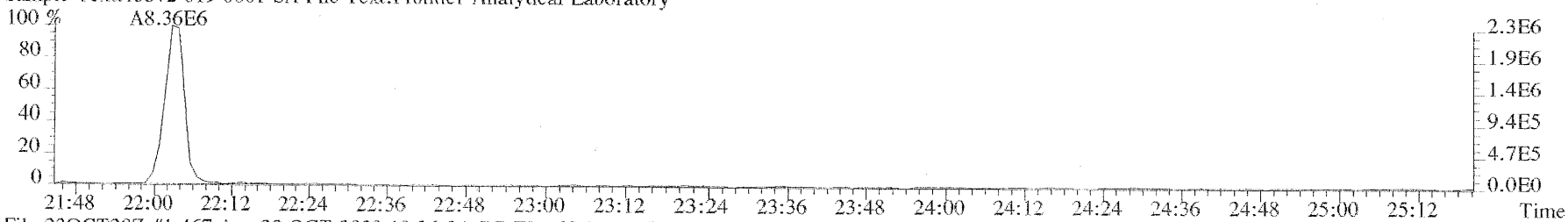
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



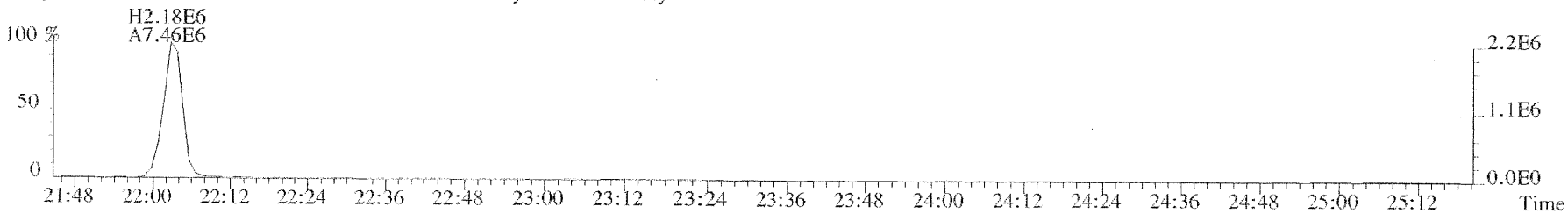
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



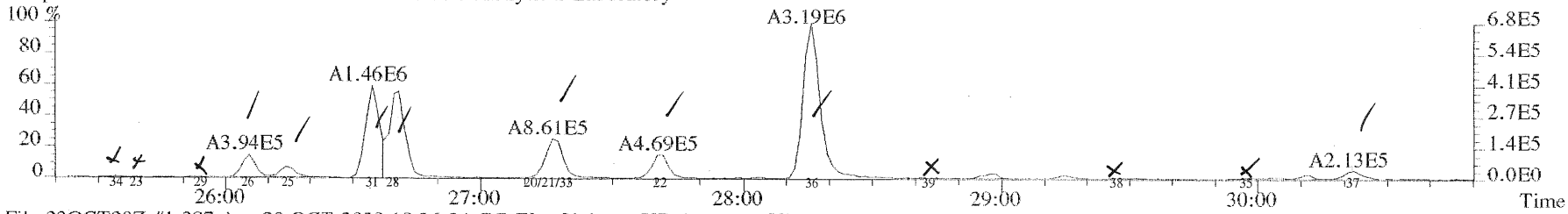
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



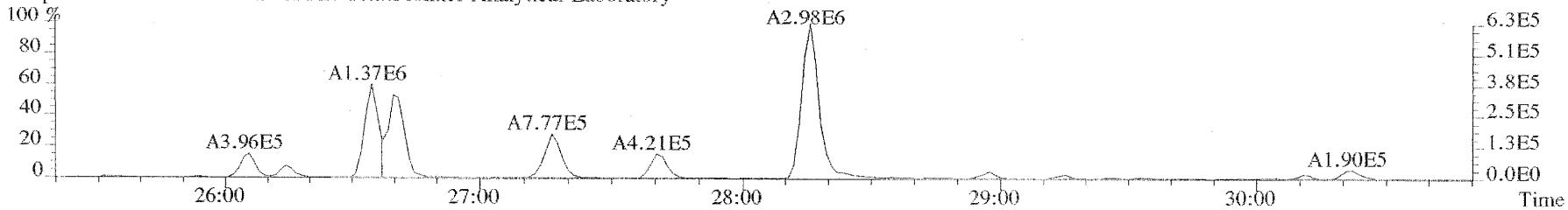
File:23OCT20Z #1-467 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



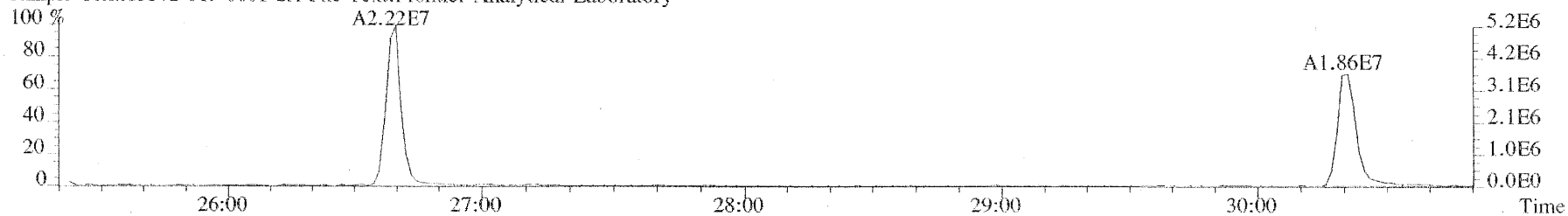
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



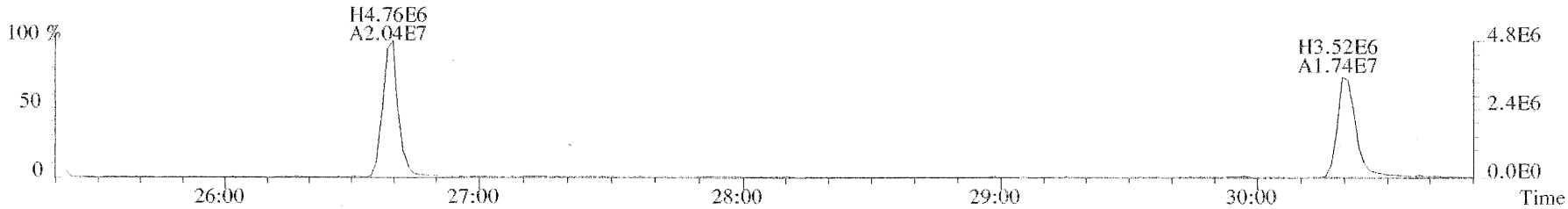
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



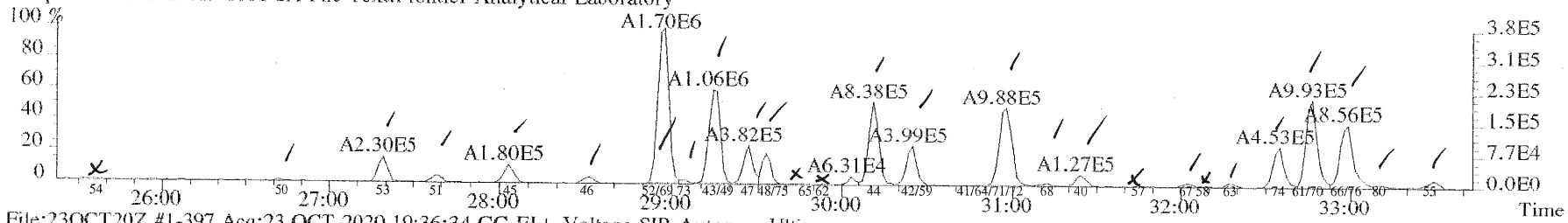
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



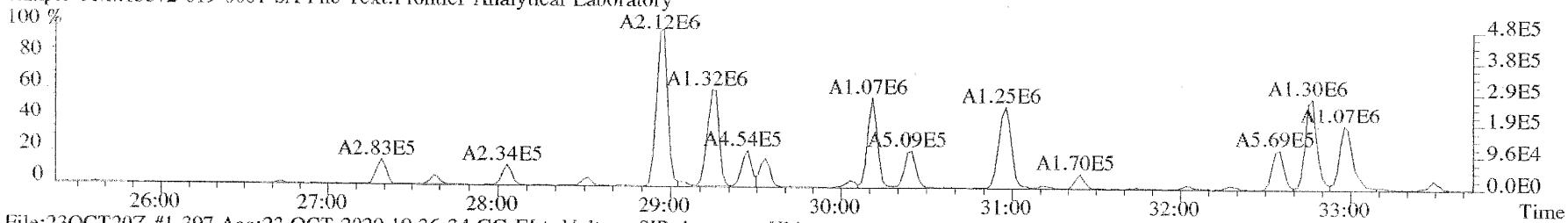
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



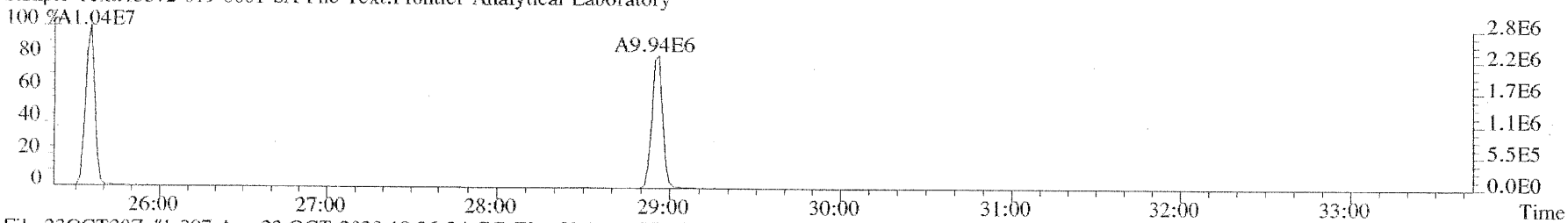
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



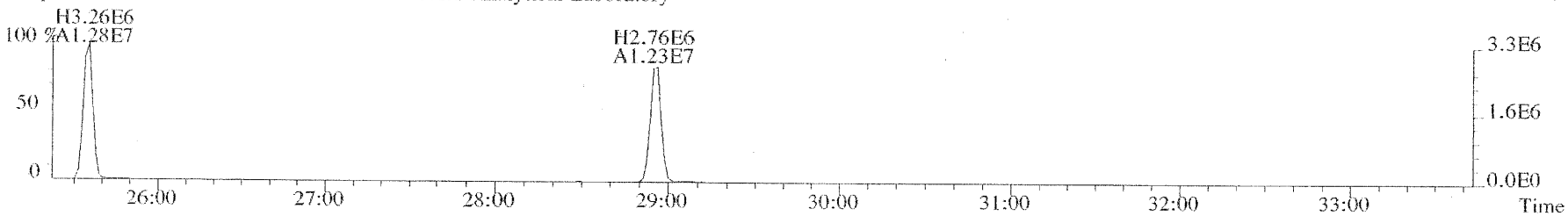
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



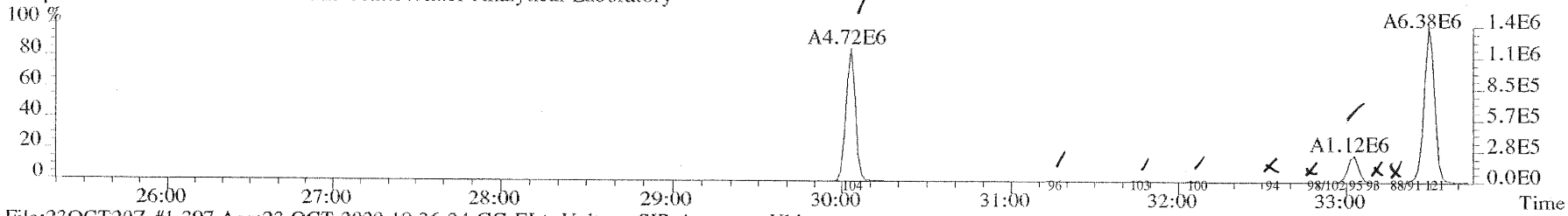
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



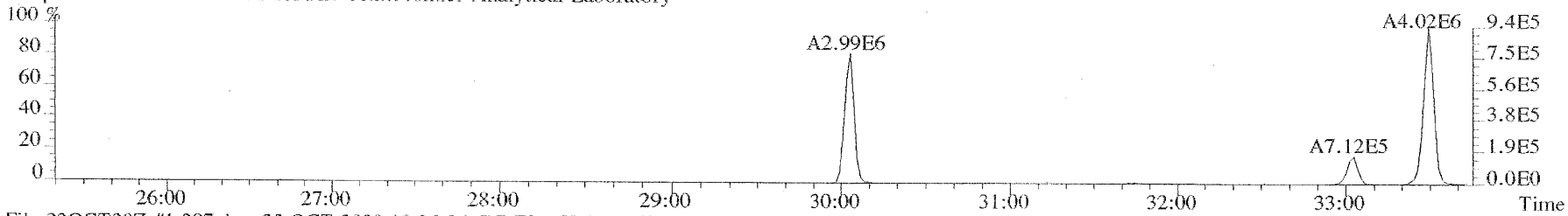
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



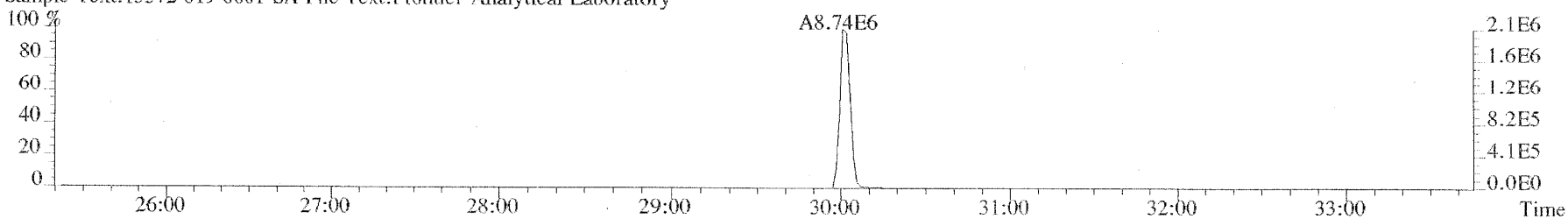
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



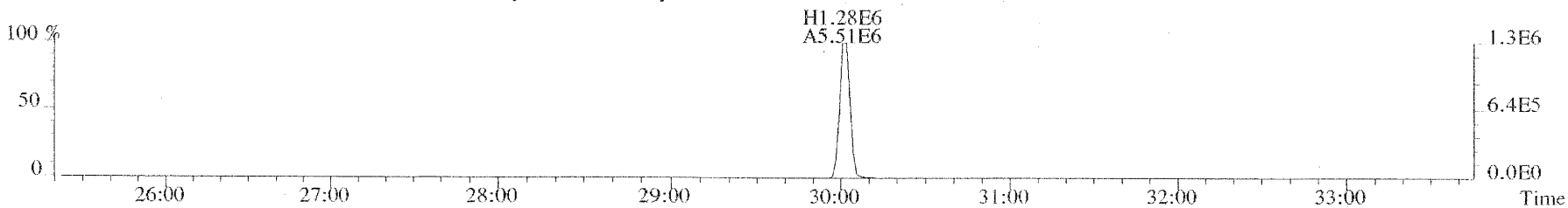
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



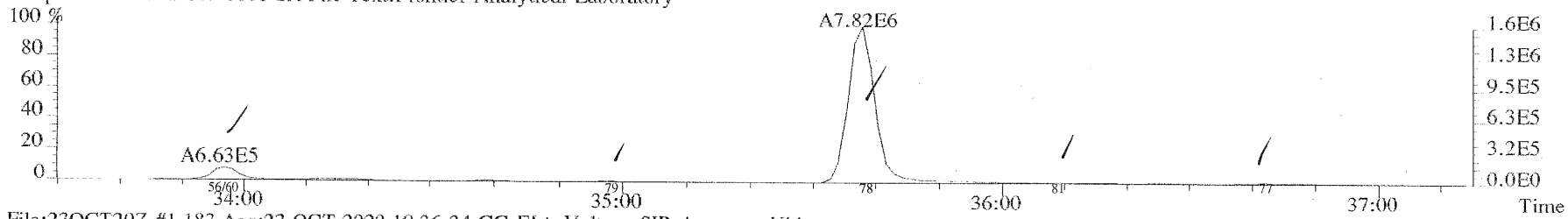
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



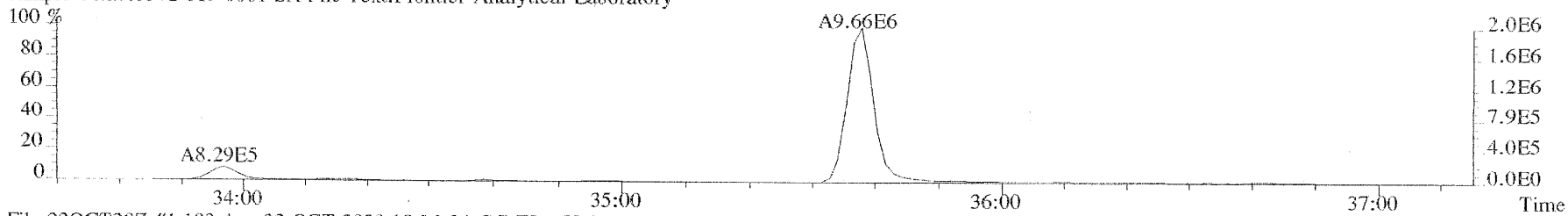
File:23OCT20Z #1-397 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



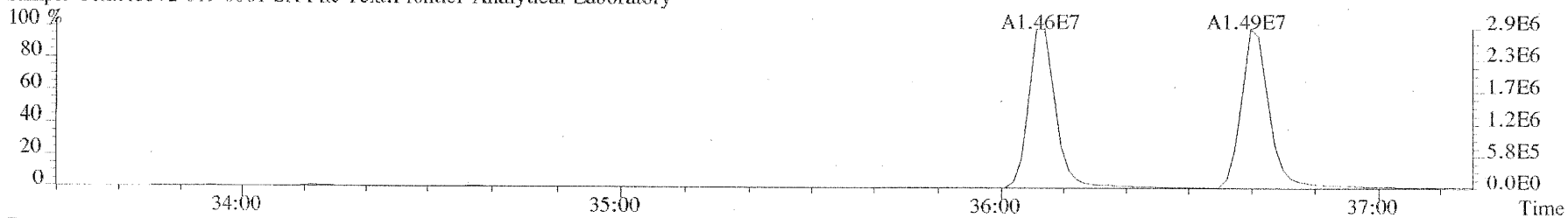
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



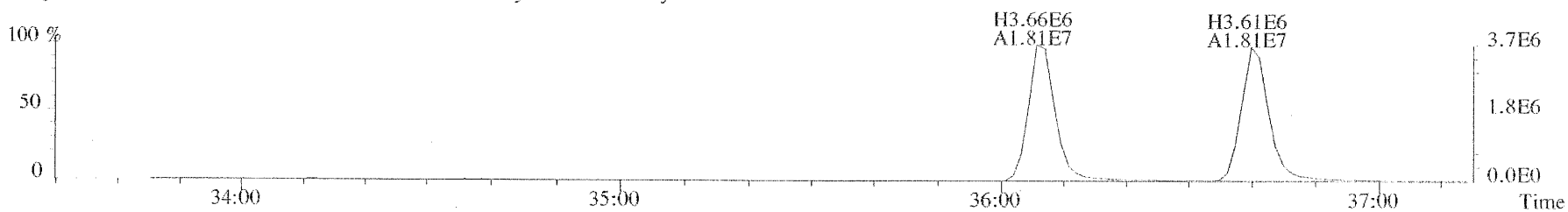
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



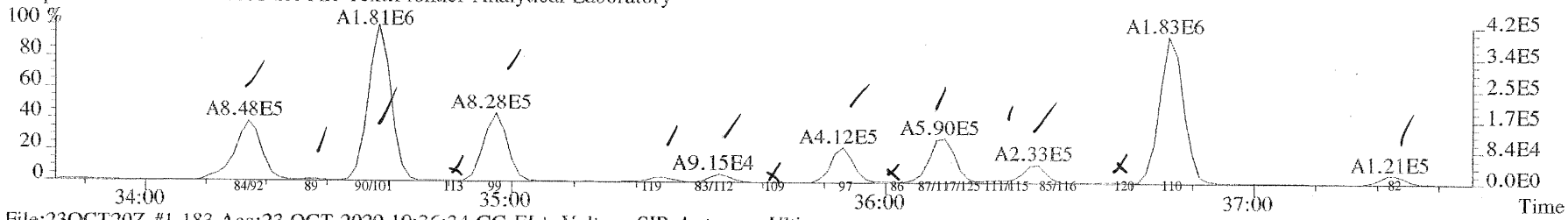
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



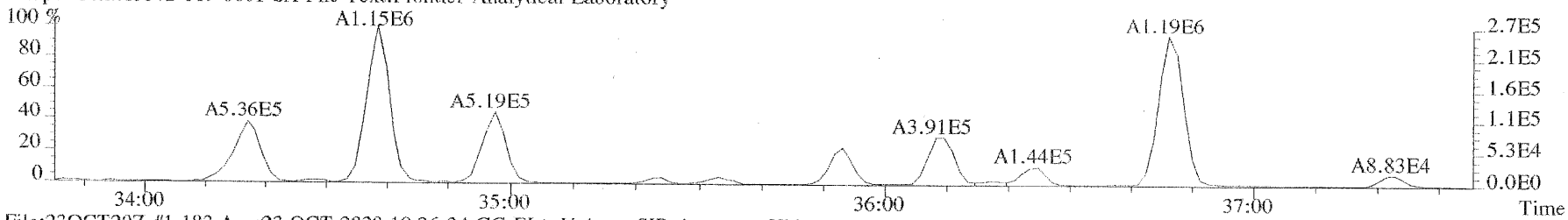
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



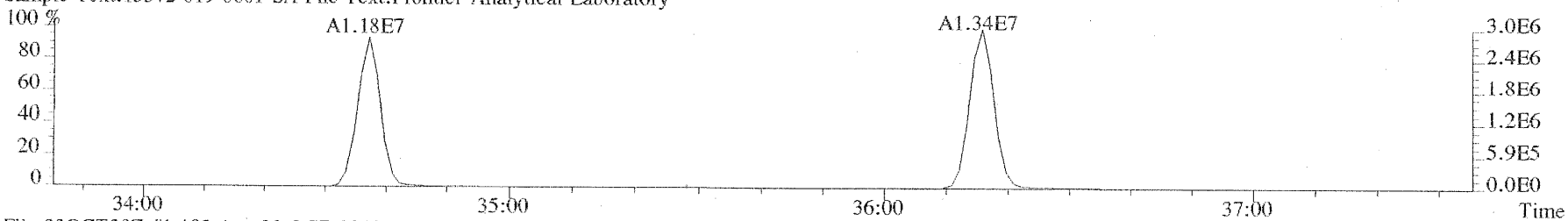
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



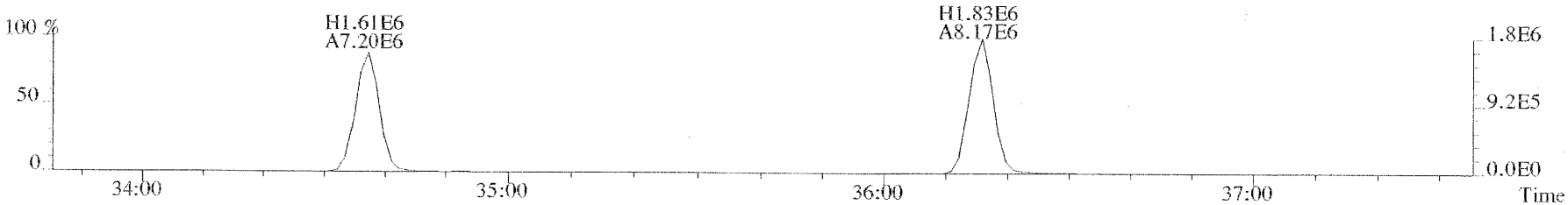
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



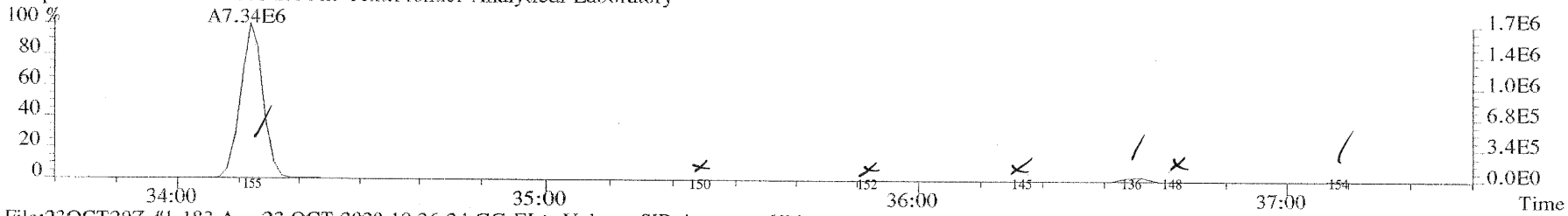
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



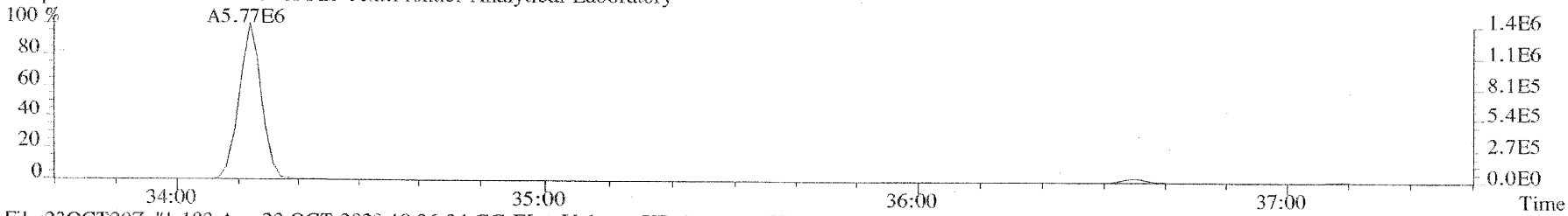
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:10 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



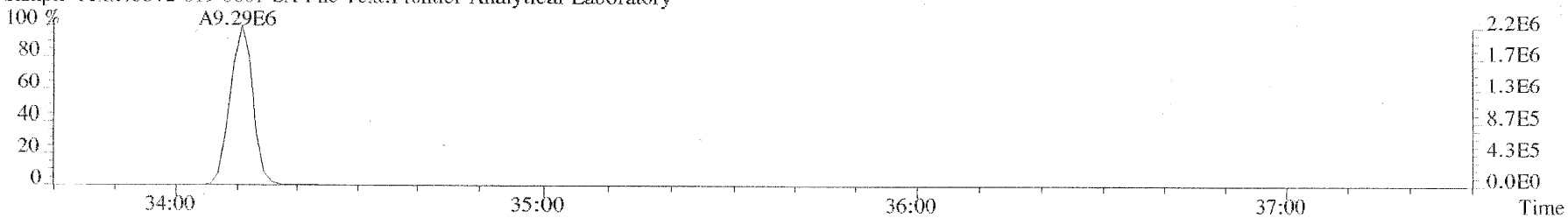
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



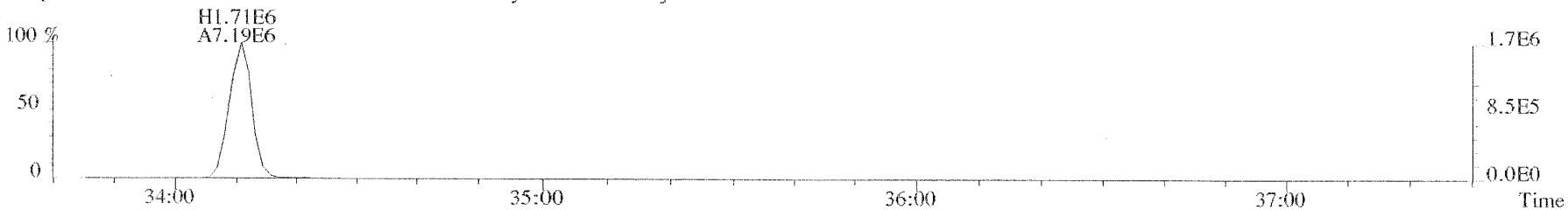
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



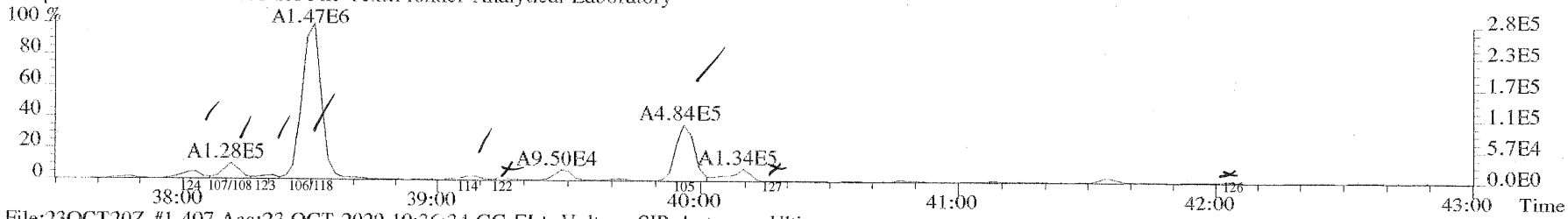
File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-183 Acq:23-OCT-2020 19:36:34 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



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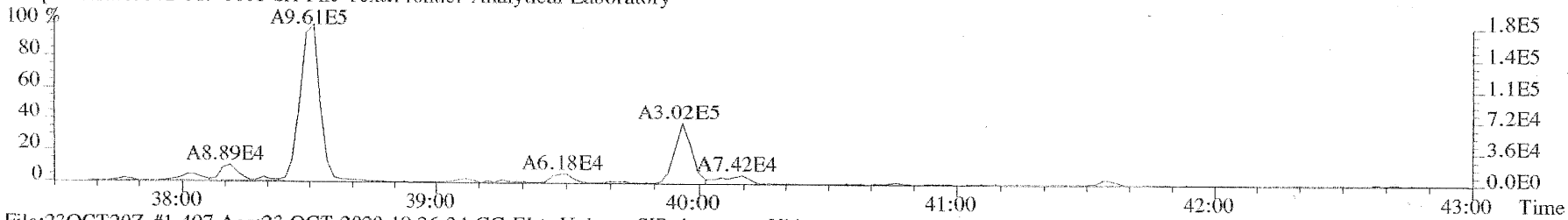
327.8775 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



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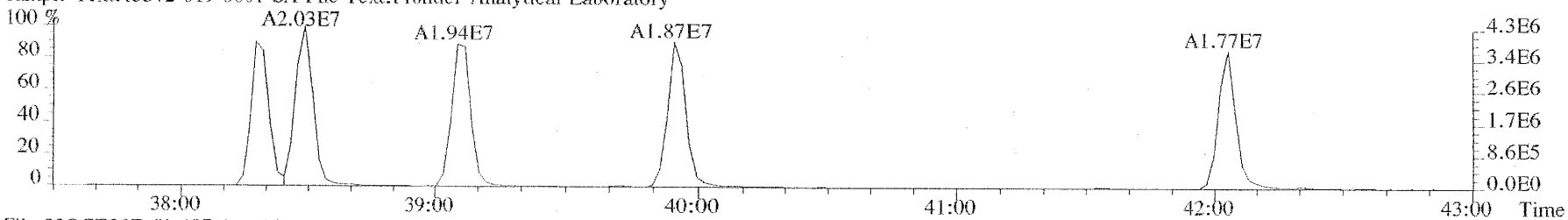
337.9207 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



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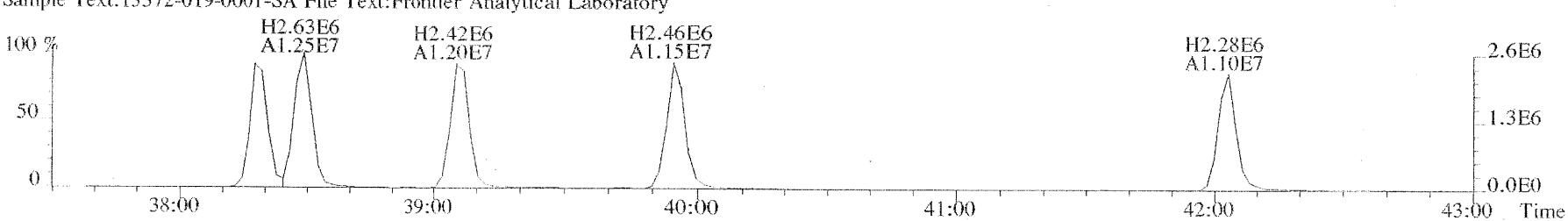
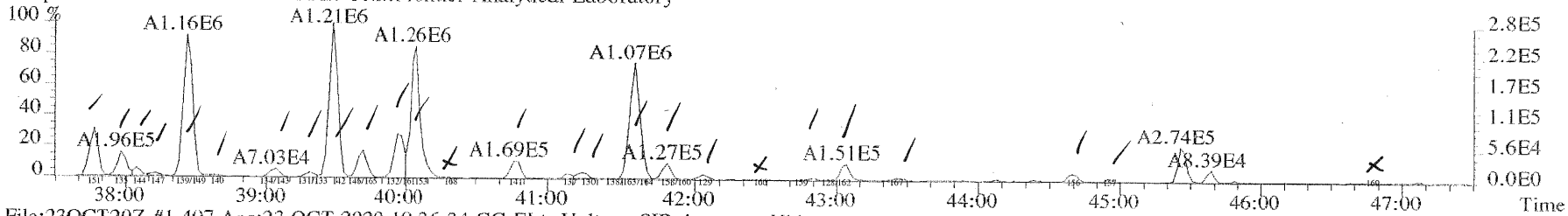
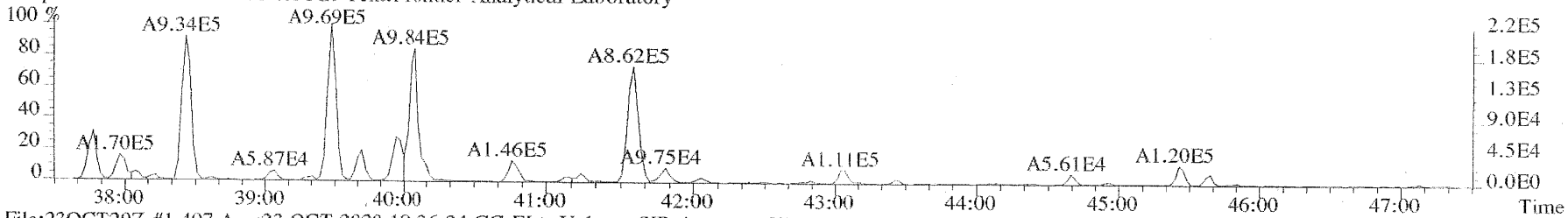
339.9178 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



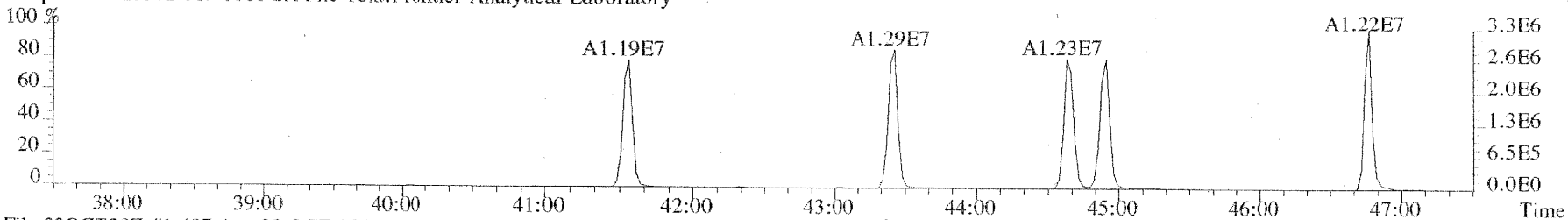
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



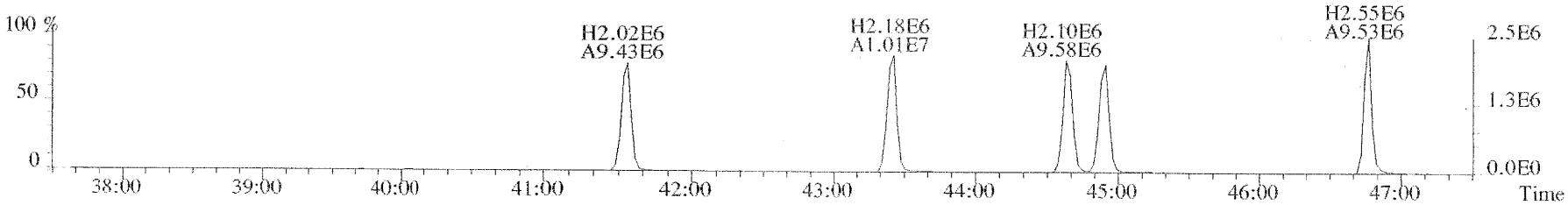
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



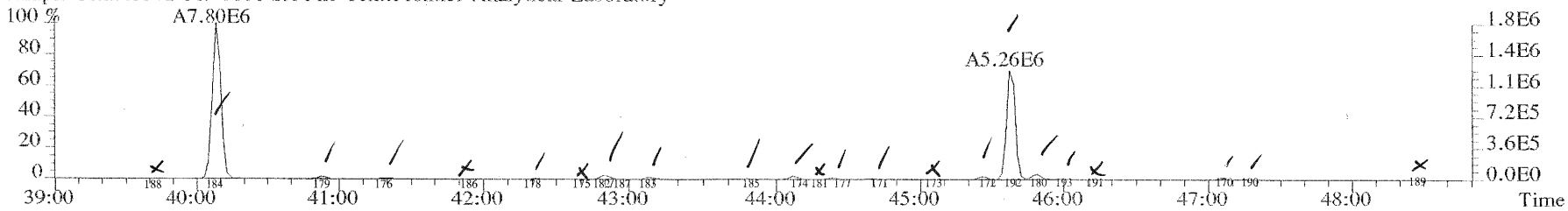
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



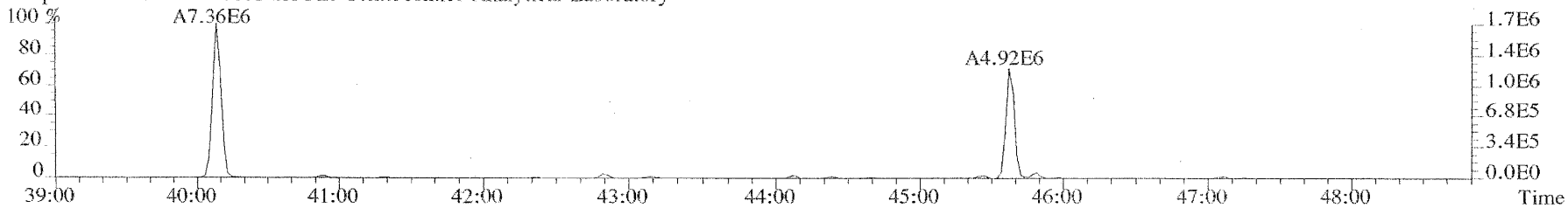
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



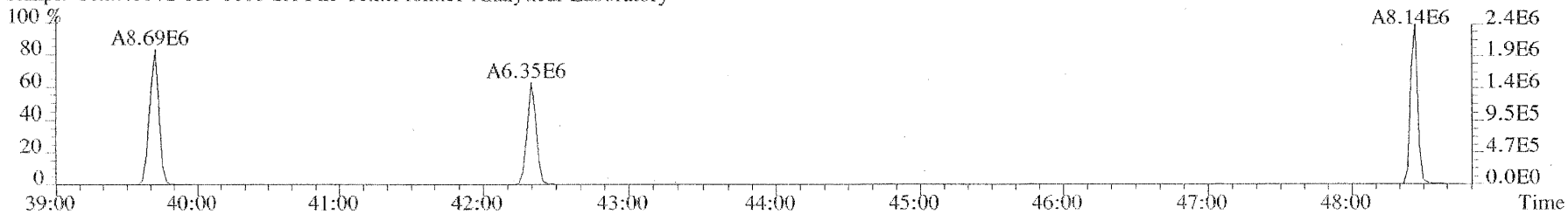
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



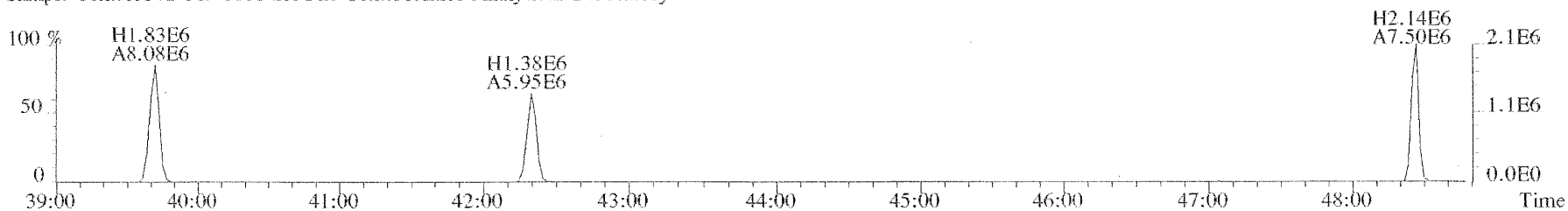
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



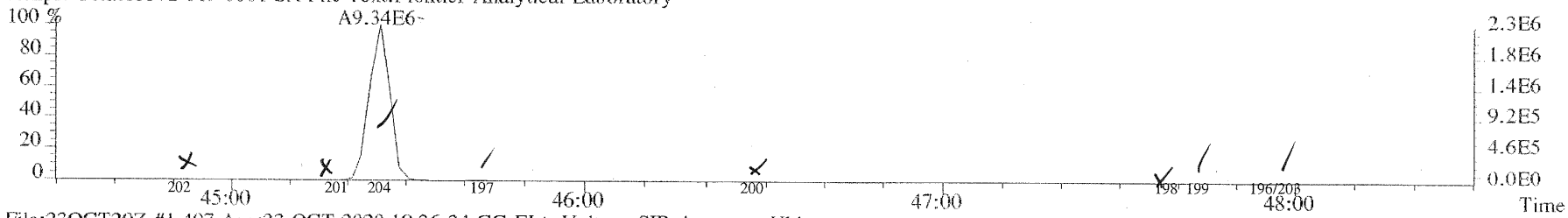
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



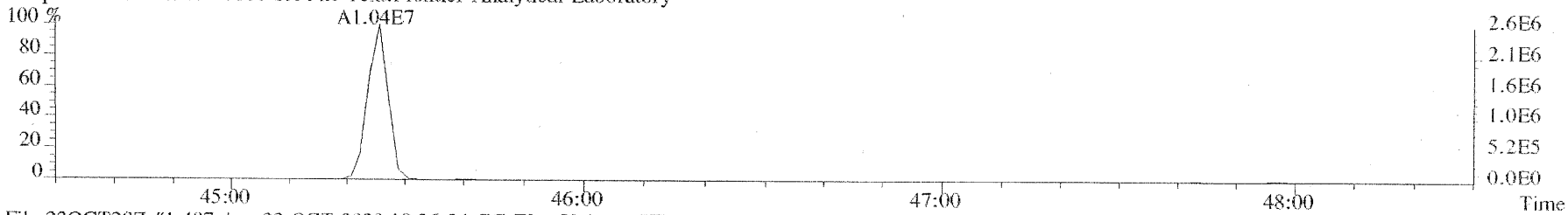
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



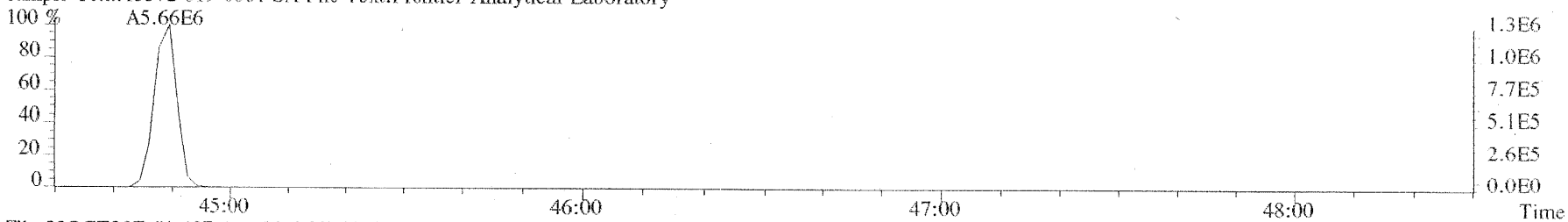
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



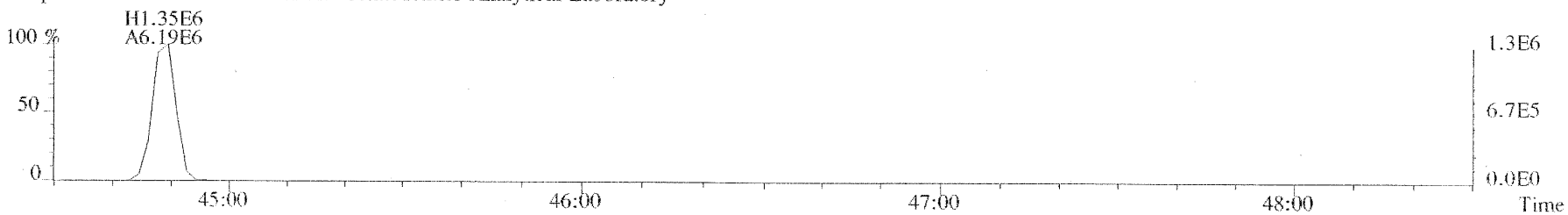
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



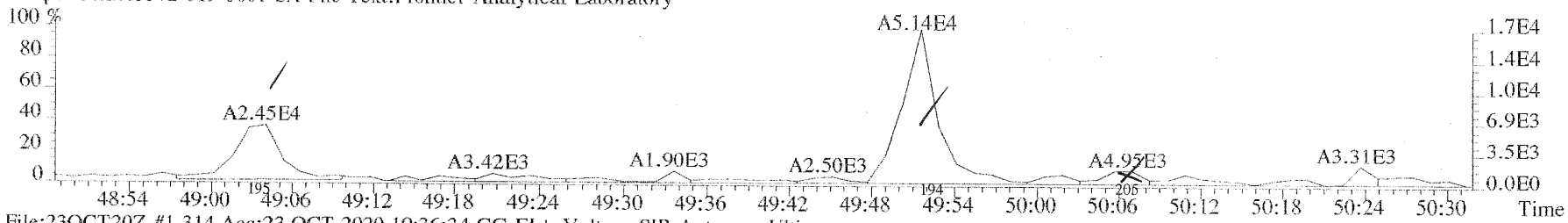
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



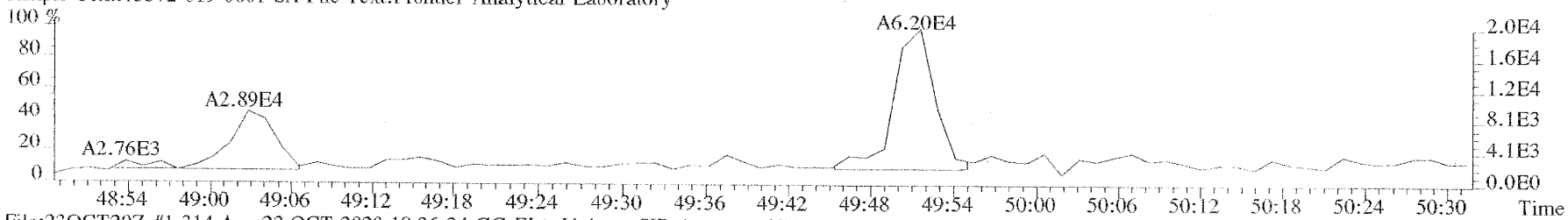
File:23OCT20Z #1-407 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:10 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



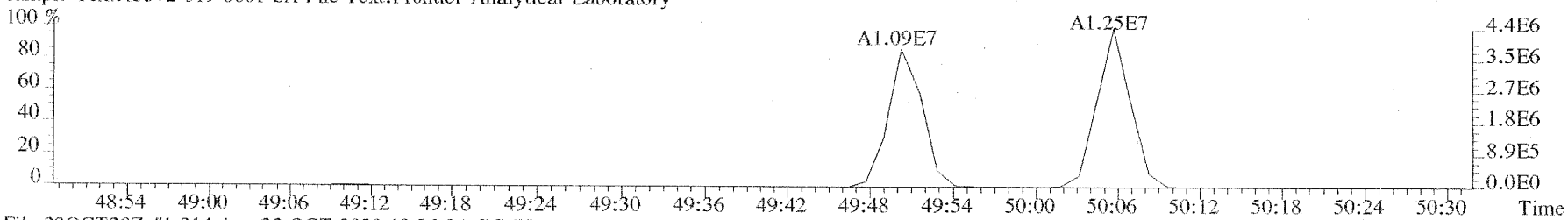
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



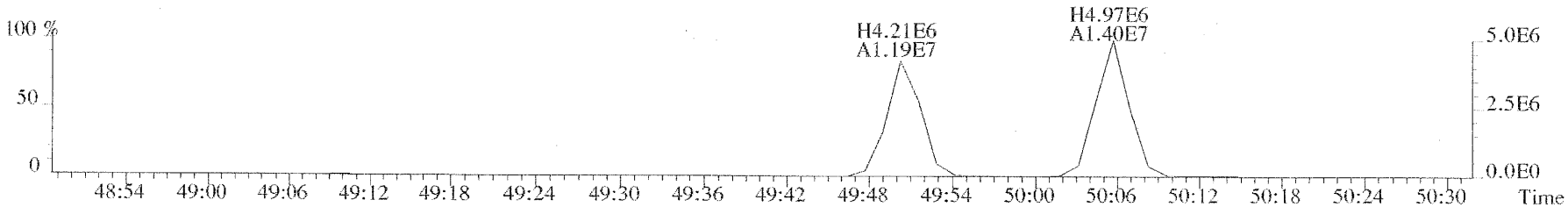
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



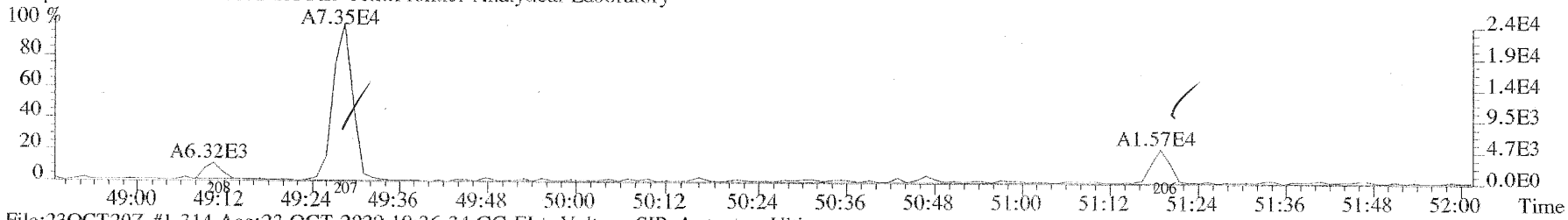
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



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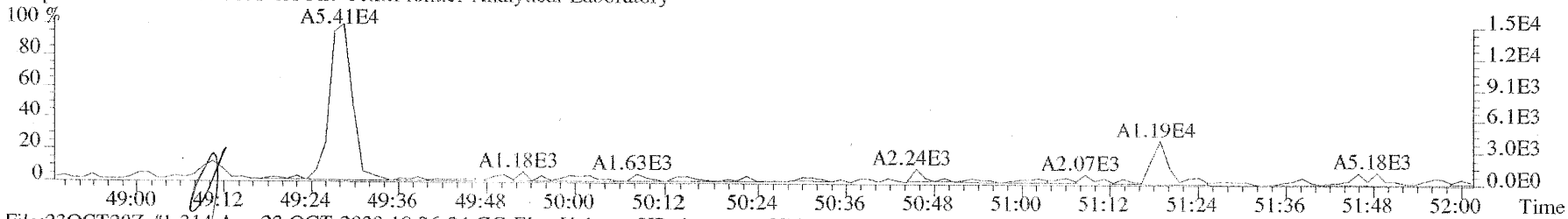
465.7187 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



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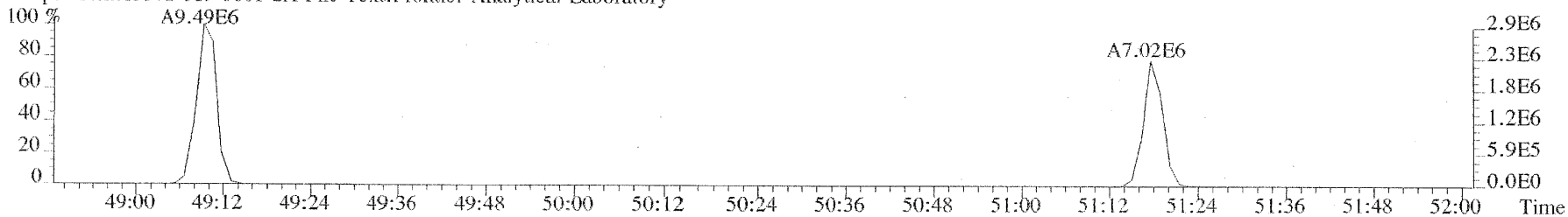
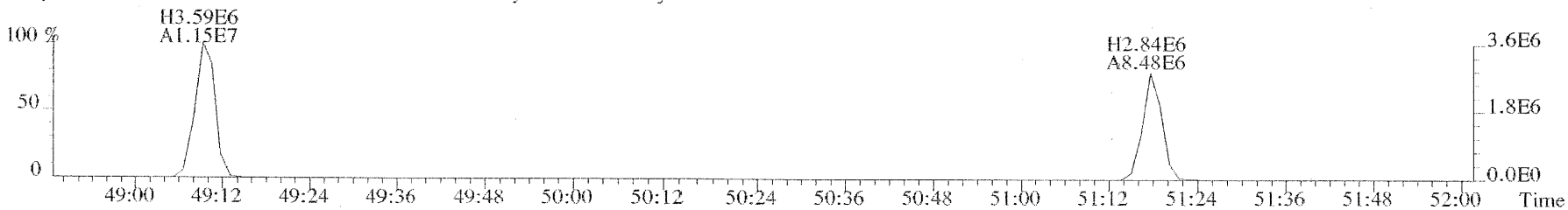
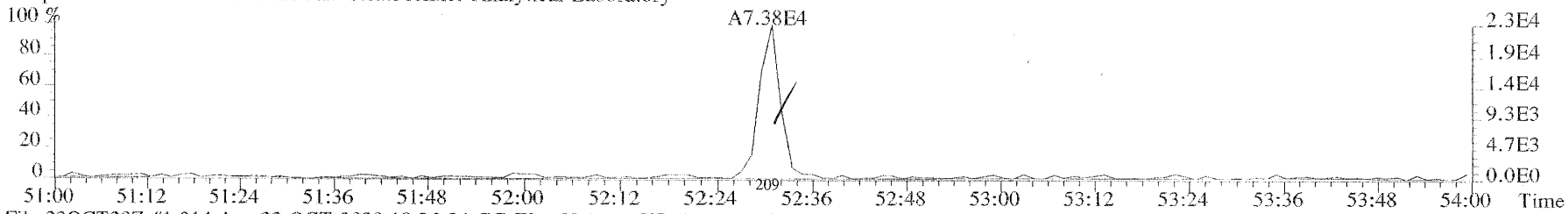
473.7648 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



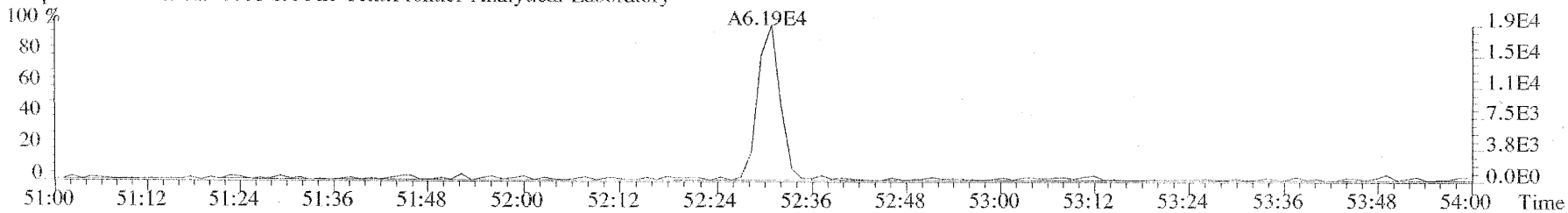
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:10 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



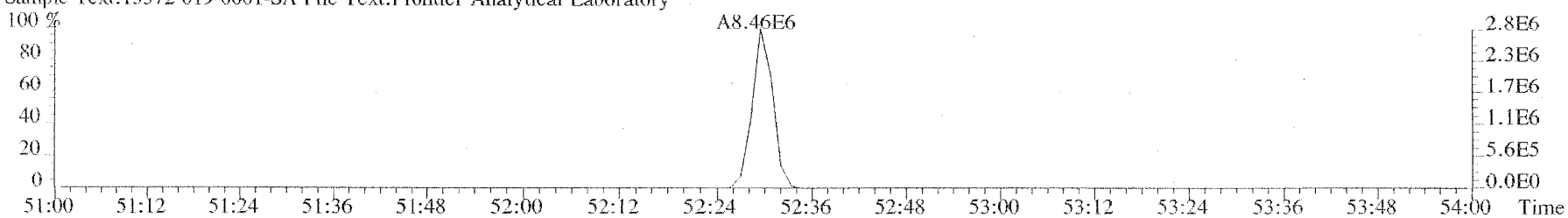
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



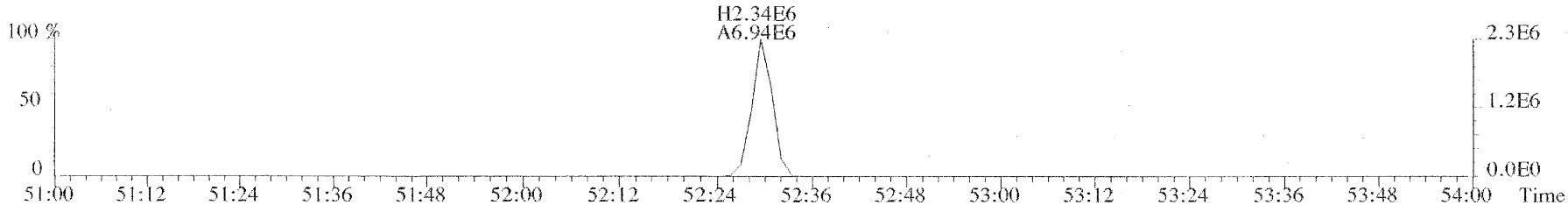
File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:10 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 19:36:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 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:13372-019-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13372-020-0001-SA Filename: 23OCT20Z Sam:11 Acquired: 23-OCT-20 20:34:55 ICal: DAILY209FAL4-10-23-20
Client ID: LDW-Y3-SU-ENR+AC-CC-S010 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	4.95e+04	3.08 y	14:34	1.35	11.7	J	-	-	*			
13C-PCB-1	3.12e+07	3.39 y	14:32	0.94	7600					76.0	8.28e+06	2.54e+06
PCB-2	*	* n	NotFnd	1.44	*		916	832	3.14			
PCB-3	*	* n	NotFnd	1.39	*		916	832	3.66			
13C-PCB-3	2.93e+07	3.36 y	16:57	0.88	7650					76.5	6.63e+06	1.97e+06
PCB-4	6.73e+05	1.49 y	18:13	1.16	209		-	-	*			
PCB-10	6.74e+04	1.47 y	18:17	1.68	11.8	J	-	-	*			
13C-PCB-4	2.77e+07	1.59 y	18:11	0.70	9100					91.0	4.99e+06	3.22e+06
PCB-9	1.15e+05	1.39 y	19:53	1.55	21.9		-	-	*			
PCB-7	1.24e+05	1.40 y	19:55	1.55	23.4		-	-	*			
PCB-6	6.67e+05	1.44 y	20:30	1.48	132		-	-	*			
PCB-8	1.89e+06	1.47 y	20:53	1.50	370		-	-	*			
PCB-5	*	* n	NotFnd	1.48	*		757	2410	5.94			
PCB-14	2.43e+06	1.46 y	21:56	1.53	465		-	-	*			
PCB-11	1.62e+05	1.45 y	23:04	1.39	34.1		-	-	*			
PCB-13	7.25e+04	1.51 y	23:24	1.33	16.0	J	-	-	*			
PCB-12	*	* n	NotFnd	1.39	*		757	2410	6.34			
PCB-15	4.89e+05	1.40 y	23:44	1.30	93.3		-	-	*			
13C-PCB-15	4.04e+07	1.68 y	23:42	1.01	9150					91.5	5.96e+06	3.64e+06
PCB-19	4.10e+05	1.11 y	22:05	1.29	211		-	-	*			
PCB-30	*	* n	NotFnd	2.02	*		2010	456	6.99			
PCB-18	3.88e+06	1.10 y	23:37	1.25	2060		-	-	*			
PCB-17	1.77e+06	1.06 y	23:47	1.44	816		-	-	*			
PCB-27	2.30e+05	1.18 y	24:18	1.80	84.7		-	-	*			
PCB-24	2.78e+05	1.18 y	24:19	1.85	99.3		-	-	*			
PCB-16	1.18e+06	0.99 y	24:48	1.61	487		-	-	*			
PCB-32	1.40e+06	1.15 y	24:50	1.62	573		-	-	*			
13C-PCB-19	1.51e+07	1.11 y	22:04	0.47	7340					73.4	2.29e+06	2.07e+06
13C-PCB-9	4.36e+07	1.61 y	19:51	-	93.9							
PCB-34	7.43e+04	1.04 y	25:34	1.18	18.2	J	-	-	*			
PCB-23	*	* n	NotFnd	1.31	*		1250	1370	6.81			
PCB-29	5.94e+04	1.17 y	25:54	1.36	12.7	J	-	-	*			
PCB-26	1.64e+06	1.09 y	26:05	1.34	353		-	-	*			
PCB-25	8.28e+05	1.07 y	26:16	1.27	189		-	-	*			
PCB-31	6.60e+06	1.07 y	26:36	1.41	1350		-	-	*			
PCB-28	6.43e+06	1.09 y	26:41	1.43	1300		-	-	*			
PCB-20	3.48e+06	1.10 y	27:17	1.27	792		-	-	*		Co-elute PCB 21/33	
PCB-21	3.48e+06	1.10 y	27:17	1.27	792		-	-	*		Co-elute PCB 20/33	
PCB-33	3.48e+06	1.10 y	27:17	1.27	792		-	-	*		Co-elute PCB 20/21	
PCB-22	2.01e+06	1.10 y	27:41	1.33	439		-	-	*			
PCB-36	2.71e+06	1.06 y	28:17	1.37	574		-	-	*			
PCB-39	*	* n	NotFnd	1.20	*		1250	1370	7.42			
PCB-38	*	* n	NotFnd	1.35	*		1250	1370	6.61			
PCB-35	*	* n	NotFnd	1.27	*		1250	1370	7.05			
PCB-37	8.13e+05	1.15 y	30:22	1.21	194		-	-	*			
13C-PCB-37	3.46e+07	1.06 y	30:21	1.77	9740					97.4	3.76e+06	3.57e+06

PCB-54	3.84e+04	0.81	y	25:36	1.36	12.5	J	-	-	*			
PCB-50	4.08e+04	0.71	y	26:42	1.16	15.6	J	-	-	*			
PCB-53	9.35e+05	0.75	y	27:20	1.02	404		-	-	*			
PCB-51	3.41e+05	0.80	y	27:39	1.04	145		-	-	*			
PCB-45	7.77e+05	0.78	y	28:03	0.98	351		-	-	*			
PCB-46	3.03e+05	0.85	y	28:31	0.92	147		-	-	*			
PCB-52	6.33e+06	0.79	y	28:57	1.11	2540		-	-	*	Co-elute PCB 69		
PCB-69	6.33e+06	0.79	y	28:57	1.11	2540		-	-	*	Co-elute PCB 52		
PCB-73	9.30e+04	0.88	y	29:04	1.30	31.6		-	-	*			
PCB-43	3.91e+06	0.80	y	29:15	1.00	1730		-	-	*	Co-elute PCB 49		
PCB-49	3.91e+06	0.80	y	29:15	1.00	1730		-	-	*	Co-elute PCB 43		
PCB-47	1.32e+06	0.77	y	29:28	0.99	588		-	-	*			
PCB-48	1.12e+06	0.78	y	29:34	1.26	392		-	-	*	Co-elute PCB 75		
PCB-75	1.12e+06	0.78	y	29:34	1.26	392		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.35	*		848	1280	6.44			
PCB-62	*	*	n	NotFnd	1.19	*		848	1280	7.30			
PCB-44	3.43e+06	0.80	y	30:12	0.85	1790		-	-	*			
PCB-42	1.54e+06	0.73	y	30:25	1.12	612		-	-	*	Co-elute PCB 59		
PCB-59	1.54e+06	0.73	y	30:25	1.12	612		-	-	*	Co-elute PCB 42		
PCB-72	3.92e+06	0.78	y	30:57	1.22	1420		-	-	*	Co-elute PCB 41/71/64		
PCB-41	3.92e+06	0.78	y	30:57	1.22	1420		-	-	*	Co-elute PCB 72/71/64		
PCB-71	3.92e+06	0.78	y	30:57	1.22	1420		-	-	*	Co-elute PCB 72/41/64		
PCB-64	3.92e+06	0.78	y	30:57	1.22	1420		-	-	*	Co-elute PCB 72/41/71		
PCB-68	7.34e+04	0.73	y	31:11	1.32	24.7		-	-	*			
PCB-40	5.74e+05	0.82	y	31:24	0.82	311		-	-	*			
PCB-57	4.46e+04	0.87	y	31:45	1.33	14.8	J	-	-	*			
PCB-67	1.49e+05	0.70	y	32:02	1.26	52.4		-	-	*			
PCB-58	3.22e+04	0.76	y	32:07	1.27	11.2	J	-	-	*			
PCB-63	1.69e+05	0.84	y	32:18	1.35	55.2		-	-	*			
PCB-74	1.82e+06	0.78	y	32:35	1.24	651		-	-	*			
PCB-61	3.96e+06	0.78	y	32:46	1.17	1490		-	-	*	Co-elute PCB 70		
PCB-70	3.96e+06	0.78	y	32:46	1.17	1490		-	-	*	Co-elute PCB 61		
PCB-76	3.24e+06	0.79	y	32:59	1.39	1030		-	-	*	Co-elute PCB 66		
PCB-66	3.24e+06	0.79	y	32:59	1.39	1030		-	-	*	Co-elute PCB 76		
PCB-80	1.04e+05	0.74	y	33:09	1.56	29.3		-	-	*			
PCB-55	1.86e+05	0.75	y	33:30	1.32	62.2		-	-	*			
13C-PCB-54	2.26e+07	0.81	y	25:35	1.32	8570					85.7	2.74e+06	3.41e+06
PCB-104	2.90e+06	1.54	y	30:03	1.23	1600		-	-	*			
PCB-96	4.46e+04	1.49	y	31:15	1.20	25.1		-	-	*			
PCB-103	4.59e+04	1.52	y	31:44	1.01	30.8		-	-	*			
PCB-100	2.86e+04	1.42	y	32:04	0.94	20.7		-	-	*			
PCB-94	2.13e+04	1.66	y	32:32	0.78	18.6	J	-	-	*			
PCB-98	*	*	n	NotFnd	0.77	*		284	364	5.58	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.77	*		284	364	5.58	Co-elute PCB 98		
PCB-95	2.71e+06	1.62	y	33:03	0.96	1900		-	-	*			
PCB-93	*	*	n	NotFnd	0.93	*		284	364	4.67			
PCB-88	*	*	n	NotFnd	0.52	*		284	364	8.28	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.52	*		284	364	8.28	Co-elute PCB 88		
PCB-121	5.22e+06	1.55	y	33:29	1.08	3260		-	-	*			
13C-PCB-104	1.48e+07	1.63	y	30:02	0.96	7680					76.8	2.28e+06	1.46e+06
13C-PCB-28	3.96e+07	1.09	y	26:40	2.13	9300					93.0	5.10e+06	4.74e+06
13C-PCB-52	2.00e+07	0.80	y	28:56	-	92.6							

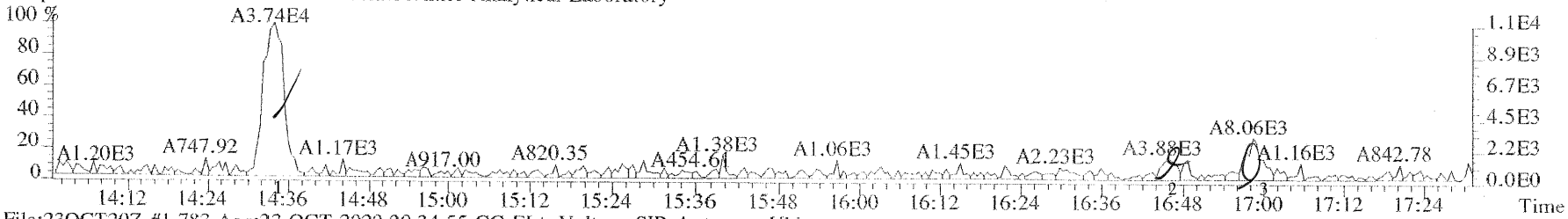
PCB-56	2.51e+06	0.78	y	33:57	1.21	677		-	-	*		Co-elute PCB 60
PCB-60	2.51e+06	0.78	y	33:57	1.21	677		-	-	*		Co-elute PCB 56
PCB-79	8.09e+04	0.75	y	34:59	1.38	19.2	J	-	-	*		
PCB-78	7.77e+06	0.81	y	35:38	1.38	1840		-	-	*		
PCB-81	1.63e+05	0.85	y	36:09	1.41	38.2		-	-	*		
13C-PCB-81	3.04e+07	0.79	y	36:07	1.78	10000					100	2.79e+06 3.50e+06
PCB-77	2.20e+05	0.78	y	36:42	1.17	61.0		-	-	*		
13C-PCB-77	3.09e+07	0.79	y	36:41	1.84	9880					98.8	2.58e+06 3.24e+06
PCB-155	6.00e+06	1.27	y	34:12	1.14	3120		-	-	*		
PCB-150	*	*	n	NotFnd	1.06	*		676	460	6.58		
PCB-152	*	*	n	NotFnd	1.15	*		676	460	6.07		
PCB-145	*	*	n	NotFnd	1.06	*		676	460	6.57		
PCB-136	4.25e+05	1.21	y	36:35	1.05	239		-	-	*		
PCB-148	*	*	n	NotFnd	0.92	*		676	460	7.61		
PCB-154	5.18e+04	1.36	y	37:09	0.93	33.0		-	-	*		
13C-PCB-155	1.68e+07	1.27	y	34:11	1.26	7840					78.4	2.25e+06 1.81e+06
13C-PCB-111	1.95e+07	1.64	y	36:16	1.32	8690					86.9	2.78e+06 1.67e+06
13C-PCB-101	1.70e+07	1.63	y	34:37	-	96.7						
PCB-84	1.76e+06	1.58	y	34:17	0.74	841		-	-	*		Co-elute PCB 92
PCB-92	1.76e+06	1.58	y	34:17	0.74	841		-	-	*		Co-elute PCB 84
PCB-89	6.82e+04	1.45	y	34:28	0.77	31.5		-	-	*		
PCB-90	3.95e+06	1.60	y	34:38	0.80	1740		-	-	*		Co-elute PCB 101
PCB-101	3.95e+06	1.60	y	34:38	0.80	1740		-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.89	*		987	999	9.55		
PCB-99	1.71e+06	1.62	y	34:57	0.92	657		-	-	*		
PCB-119	1.24e+05	1.43	y	35:24	1.06	41.7		-	-	*		
PCB-83	2.10e+05	1.48	y	35:34	0.83	89.5		-	-	*		Co-elute PCB 112
PCB-112	2.10e+05	1.48	y	35:34	0.83	89.5		-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.97	*		987	999	8.75		
PCB-97	1.02e+06	1.53	y	35:53	0.68	534		-	-	*		
PCB-86	*	*	n	NotFnd	0.68	*		987	999	12.5		
PCB-125	1.47e+06	1.57	y	36:09	0.92	565		-	-	*		Co-elute PCB 87/117
PCB-87	1.47e+06	1.57	y	36:09	0.92	565		-	-	*		Co-elute PCB 125/117
PCB-117	1.47e+06	1.57	y	36:09	0.92	565		-	-	*		Co-elute PCB 125/87
PCB-111	7.31e+04	1.54	y	36:18	0.99	26.1		-	-	*		Co-elute PCB 115
PCB-115	7.31e+04	1.54	y	36:18	0.99	26.1		-	-	*		Co-elute PCB 111
PCB-85	5.44e+05	1.58	y	36:23	0.92	210		-	-	*		Co-elute PCB 116
PCB-116	5.44e+05	1.58	y	36:23	0.92	210		-	-	*		Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.12	*		987	999	7.59		
PCB-110	4.32e+06	1.58	y	36:46	0.99	1540		-	-	*		
PCB-82	3.34e+05	1.71	y	37:23	0.65	182		-	-	*		
PCB-124	1.69e+05	1.69	y	38:01	1.25	47.6		-	-	*		
PCB-108	2.67e+05	1.62	y	38:11	1.23	76.9		-	-	*		Co-elute PCB 107
PCB-107	2.67e+05	1.62	y	38:11	1.23	76.9		-	-	*		Co-elute PCB 108
PCB-123	6.33e+04	1.36	y	38:21	1.19	19.5	J	-	-	*		
13C-PCB-123	2.72e+07	1.58	y	38:19	1.42	9700					97.0	3.45e+06 2.17e+06
PCB-118	3.25e+06	1.60	y	38:31	1.22	889		-	-	*		Co-elute PCB 106
PCB-106	3.25e+06	1.60	y	38:31	1.22	889		-	-	*		Co-elute PCB 118
13C-PCB-118	2.99e+07	1.62	y	38:29	1.59	9570					95.7	3.90e+06 2.39e+06
PCB-114	1.12e+05	1.49	y	39:07	1.18	33.6		-	-	*		
13C-PCB-114	2.81e+07	1.60	y	39:05	1.50	9540					95.4	3.42e+06 2.10e+06
PCB-122	4.20e+04	1.51	y	39:15	1.30	11.4	J	-	-	*		
PCB-105	1.08e+06	1.59	y	39:56	1.36	285		-	-	*		
13C-PCB-105	2.79e+07	1.59	y	39:55	1.52	9310					93.1	3.71e+06 2.36e+06

PCB-127	*	*	n	NotFnd	1.27	*		612	1080	5.69				
PCB-126	*	*	n	NotFnd	1.23	*		612	1080	6.21				
13C-PCB-126	2.70e+07	1.61	y	42:03	1.36	10100					101	3.44e+06	2.12e+06	
PCB-151	7.09e+05	1.27	y	37:46	1.14	294		-	-	*				
PCB-135	3.95e+05	1.21	y	37:58	1.05	178		-	-	*				
PCB-144	1.28e+05	1.25	y	38:04	1.17	52.0		-	-	*				
PCB-147	5.54e+04	1.24	y	38:11	1.24	21.1		-	-	*				
PCB-139	2.33e+06	1.24	y	38:26	1.14	964		-	-	*		Co-elute PCB 149		
PCB-149	2.33e+06	1.24	y	38:26	1.14	964		-	-	*		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.27	*		1020	780	7.81				
PCB-143	1.57e+05	1.09	y	39:04	1.00	74.3		-	-	*		Co-elute PCB 134		
PCB-134	1.57e+05	1.09	y	39:04	1.00	74.3		-	-	*		Co-elute PCB 143		
PCB-131	8.38e+04	1.32	y	39:20	1.00	39.6		-	-	*		Co-elute PCB 133		
PCB-133	8.38e+04	1.32	y	39:20	1.00	39.6		-	-	*		Co-elute PCB 131		
PCB-142	1.04e+06	1.18	y	39:28	1.05	466		-	-	*				
PCB-165	4.06e+05	1.24	y	39:41	1.30	148		-	-	*		Co-elute PCB 146		
PCB-146	4.06e+05	1.24	y	39:41	1.30	148		-	-	*		Co-elute PCB 165		
PCB-161	8.05e+05	1.23	y	39:56	1.24	306		-	-	*		Co-elute PCB 132		
PCB-132	8.05e+05	1.23	y	39:56	1.24	306		-	-	*		Co-elute PCB 161		
PCB-153	2.37e+06	1.26	y	40:05	1.40	796		-	-	*				
PCB-168	*	*	n	NotFnd	1.38	*		1020	780	7.15				
PCB-141	3.95e+05	1.32	y	40:46	1.13	165		-	-	*				
PCB-137	8.93e+04	1.08	y	41:09	1.01	41.6		-	-	*				
PCB-130	1.33e+05	1.34	y	41:14	1.05	59.5		-	-	*				
PCB-138	2.26e+06	1.25	y	41:35	1.25	851		-	-	*		Co-elute PCB 163/164		
PCB-163	2.26e+06	1.25	y	41:35	1.25	851		-	-	*		Co-elute PCB 138/164		
PCB-164	2.26e+06	1.25	y	41:35	1.25	851		-	-	*		Co-elute PCB 138/163		
PCB-158	2.99e+05	1.18	y	41:48	1.42	99.2		-	-	*		Co-elute PCB 160		
PCB-160	2.99e+05	1.18	y	41:48	1.42	99.2		-	-	*		Co-elute PCB 158		
PCB-129	8.80e+04	1.20	y	42:03	0.99	41.8		-	-	*				
PCB-166	*	*	n	NotFnd	1.42	*		1020	780	6.97				
PCB-159	4.56e+04	1.08	y	42:49	1.53	14.1	J	-	-	*				
PCB-128	2.93e+05	1.16	y	43:04	1.14	122		-	-	*		Co-elute PCB 162		
PCB-162	2.93e+05	1.16	y	43:04	1.14	122		-	-	*		Co-elute PCB 128		
PCB-167	8.38e+04	1.06	y	43:25	1.33	29.2		-	-	*				
13C-PCB-167	2.16e+07	1.28	y	43:24	1.16	9470					94.7	2.55e+06	2.03e+06	
PCB-156	1.76e+05	1.21	y	44:39	1.40	60.7		-	-	*				
13C-PCB-156	2.08e+07	1.28	y	44:38	1.13	9330					93.3	2.58e+06	1.99e+06	
PCB-157	4.17e+04	1.19	y	44:56	1.26	15.2	J	-	-	*				
13C-PCB-157	2.18e+07	1.31	y	44:54	1.14	9660					96.6	2.41e+06	1.87e+06	
PCB-169	*	*	n	NotFnd	1.22	*		1020	780	7.62				
13C-PCB-169	2.07e+07	1.26	y	46:46	1.04	10100					101	2.73e+06	2.11e+06	

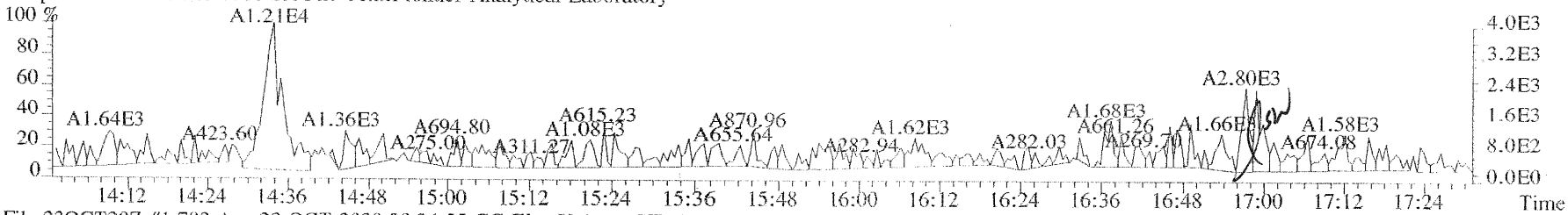
PCB-188	3.30e+04	1.10	y	39:41	1.19	16.7	J	-	-	*		
13C-PCB-188	1.66e+07	1.07	y	39:41	1.06	7930					79.3	1.99e+06	1.88e+06
PCB-184	8.16e+06	1.07	y	40:08	1.38	3690		-	-	*		
PCB-179	2.05e+05	1.01	y	40:52	1.38	93.2		-	-	*		
PCB-176	5.68e+04	0.98	y	41:20	1.33	26.7		-	-	*		
PCB-186	*	*	n	NotFnd	1.25	*		580	532	5.71		
PCB-178	6.73e+04	1.02	y	42:21	0.95	44.5		-	-	*		
PCB-175	*	*	n	NotFnd	0.98	*		580	532	7.30		
PCB-187	3.71e+05	1.16	y	42:49	1.04	222		-	-	*	Co-elute PCB 182	
PCB-182	3.71e+05	1.16	y	42:49	1.04	222		-	-	*	Co-elute PCB 187	
PCB-183	1.70e+05	1.02	y	43:09	1.07	98.9		-	-	*		
PCB-185	4.32e+04	1.09	y	43:47	0.88	30.5		-	-	*		
PCB-174	2.58e+05	1.02	y	44:06	0.94	171		-	-	*		
PCB-181	*	*	n	NotFnd	0.93	*		580	532	7.72		
PCB-177	1.42e+05	1.13	y	44:23	0.90	97.8		-	-	*		
PCB-171	7.51e+04	1.15	y	44:39	0.96	48.8		-	-	*		
PCB-173	*	*	n	NotFnd	0.84	*		580	532	8.49		
PCB-172	1.67e+05	0.93	y	45:25	0.90	116		-	-	*		
PCB-192	6.03e+06	1.06	y	45:37	1.07	3510		-	-	*		
PCB-180	4.76e+05	1.12	y	45:49	0.86	347		-	-	*		
PCB-193	3.64e+04	1.03	y	45:58	1.19	19.0	J	-	-	*		
PCB-191	*	*	n	NotFnd	1.19	*		580	532	6.00		
PCB-170	1.59e+05	0.97	y	47:06	0.86	115		-	-	*		
PCB-190	5.64e+04	1.17	y	47:14	1.17	30.1		-	-	*		
PCB-189	*	*	n	NotFnd	1.16	*		580	532	6.09		
13C-PCB-189	1.54e+07	1.08	y	48:27	0.86	9070					90.7	2.04e+06	1.88e+06
PCB-202	*	*	n	NotFnd	1.11	*		296	380	5.94		
PCB-201	*	*	n	NotFnd	1.27	*		296	380	5.22		
PCB-204	1.31e+07	0.92	y	45:25	1.28	8930		-	-	*		
PCB-197	7.77e+04	0.93	y	45:42	1.20	56.5		-	-	*		
PCB-200	*	*	n	NotFnd	1.25	*		296	380	5.27		
PCB-198	*	*	n	NotFnd	0.90	*		296	380	7.38		
PCB-199	4.60e+04	0.78	y	47:42	0.85	47.1		-	-	*		
PCB-203	6.00e+04	0.80	y	47:57	0.95	55.0		-	-	*	Co-elute PCB 196	
PCB-196	6.00e+04	0.80	y	47:57	0.95	55.0		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.15e+07	0.91	y	44:48	0.77	7630					76.3	1.22e+06	1.34e+06
13C-PCB-178	1.18e+07	1.05	y	42:19	0.76	7930					79.3	1.47e+06	1.39e+06
13C-PCB-138	1.97e+07	1.28	y	41:33	-	99.2						
PCB-195	5.76e+04	0.76	y	49:03	0.94	24.8		-	-	*		
PCB-194	1.12e+05	0.79	y	49:50	1.03	43.9		-	-	*		
PCB-205	*	*	n	NotFnd	1.17	*		1060	1490	6.28		
13C-PCB-205	2.49e+07	0.89	y	50:06	1.30	8980					89.8	4.14e+06	4.53e+06
PCB-208	*	*	n	NotFnd	1.16	*		944	924	5.63		
13C-PCB-208	2.03e+07	0.81	y	49:09	1.13	8490					84.9	3.17e+06	3.98e+06
PCB-207	8.34e+04	1.28	y	49:27	1.39	33.6		-	-	*		
PCB-206	2.59e+04	1.31	y	51:19	1.17	14.4	J	-	-	*		
13C-PCB-206	1.53e+07	0.80	y	51:18	0.85	8520					85.2	2.38e+06	2.90e+06
PCB-209	9.78e+04	1.32	y	52:29	1.24	53.6		-	-	*		
13C-PCB-209	1.48e+07	1.21	y	52:29	0.88	7930					79.3	2.62e+06	2.11e+06
13C-PCB-194	2.12e+07	0.93	y	49:50	-	107						

Analyst: _____ Date: 10/28/20

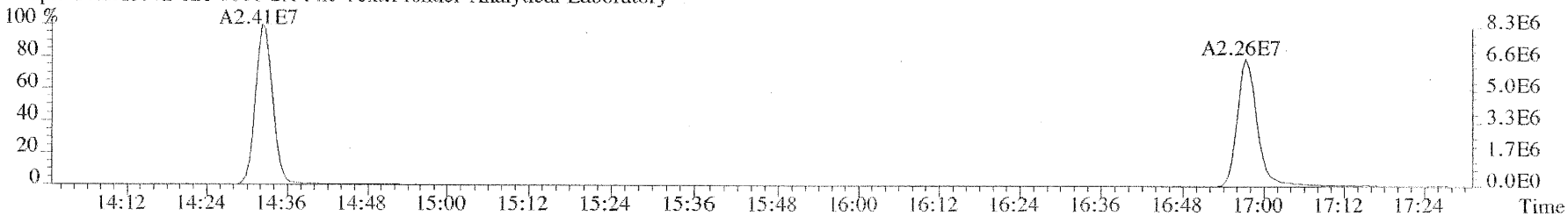
File:23OCT20Z #1-783 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



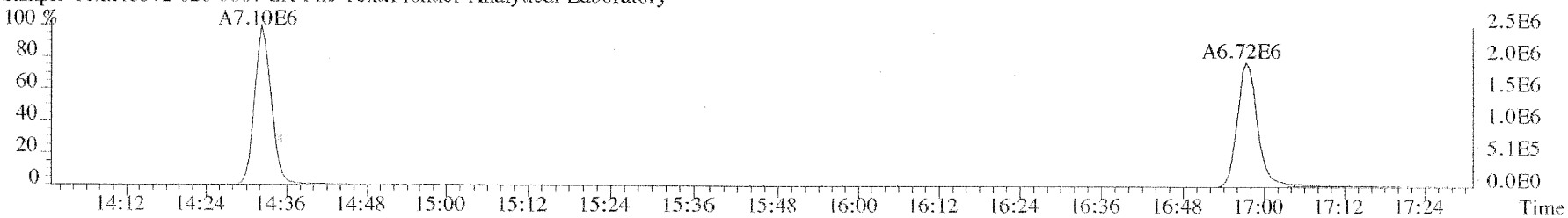
File:23OCT20Z #1-783 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



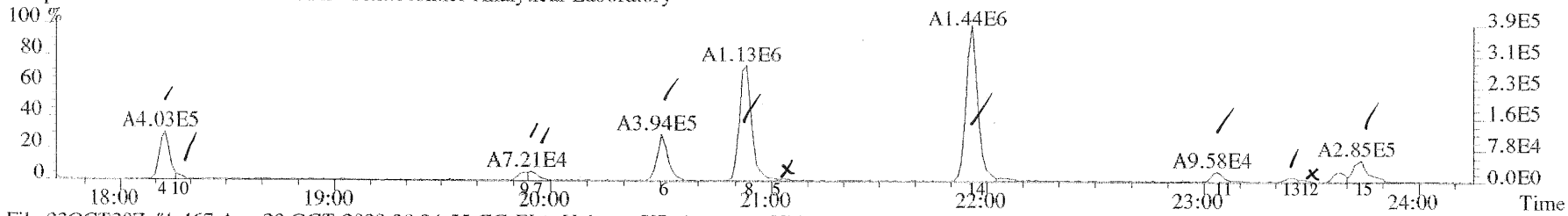
File:23OCT20Z #1-783 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



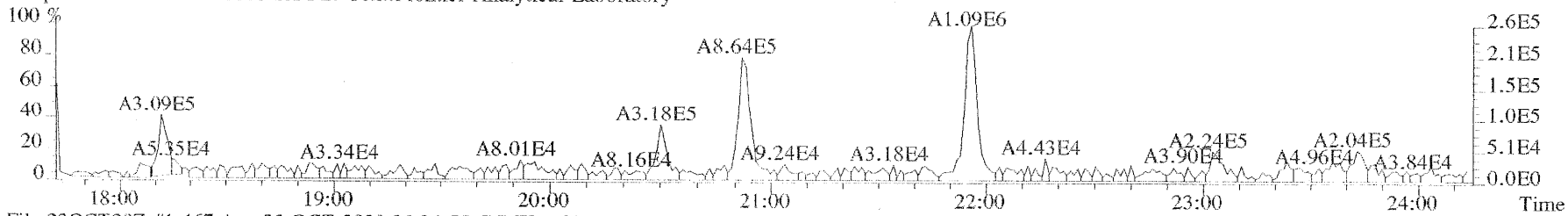
File:23OCT20Z #1-783 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



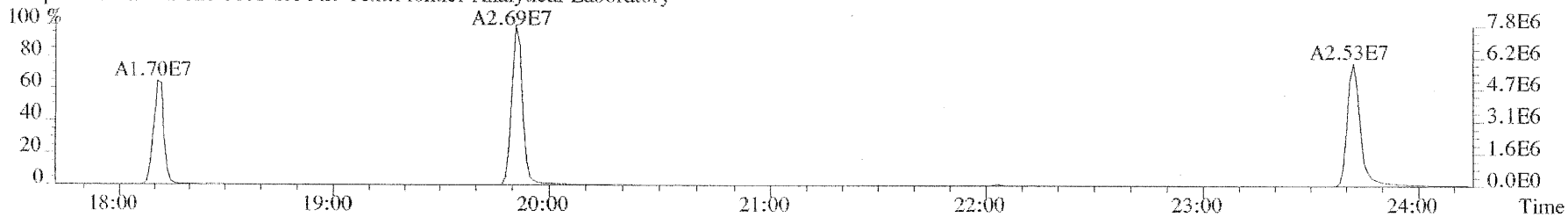
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



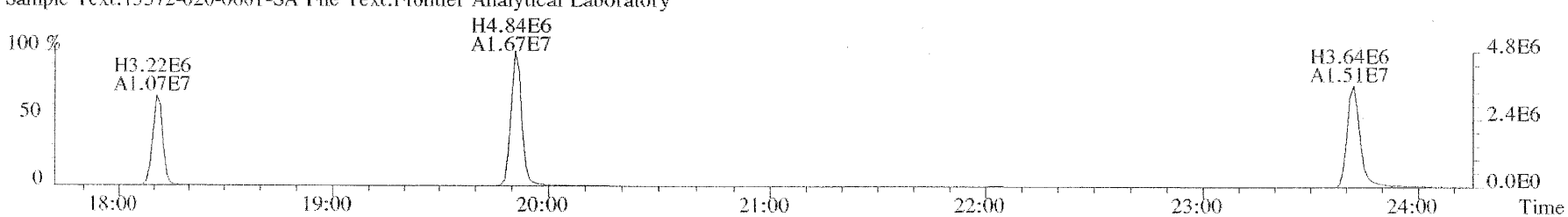
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



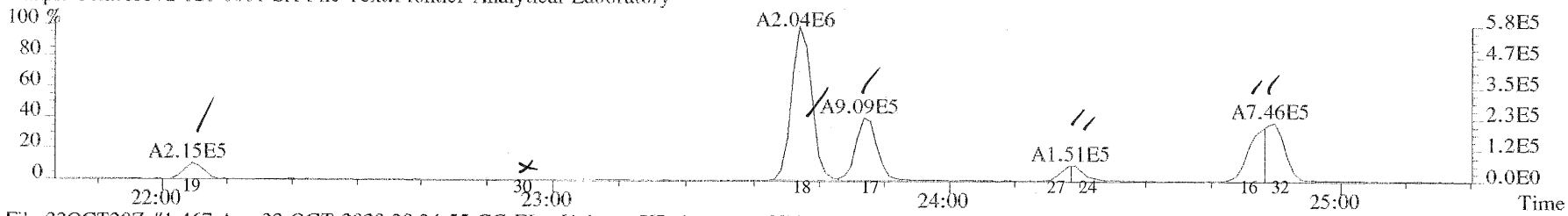
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



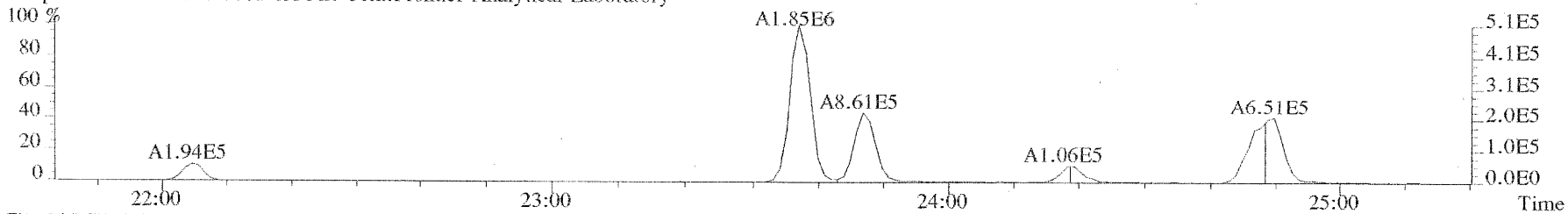
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



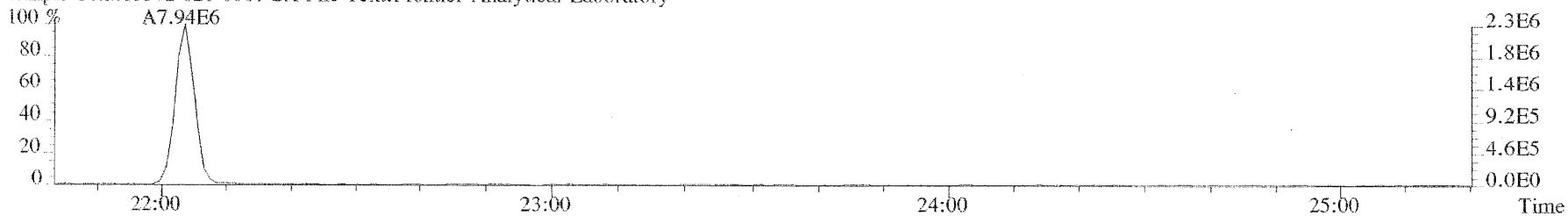
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



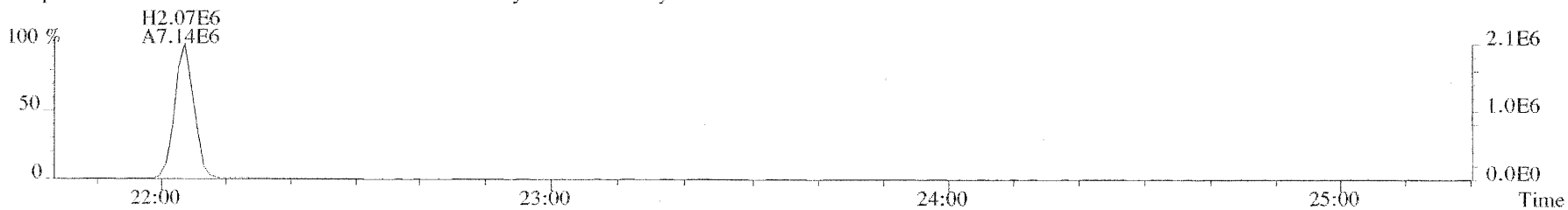
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



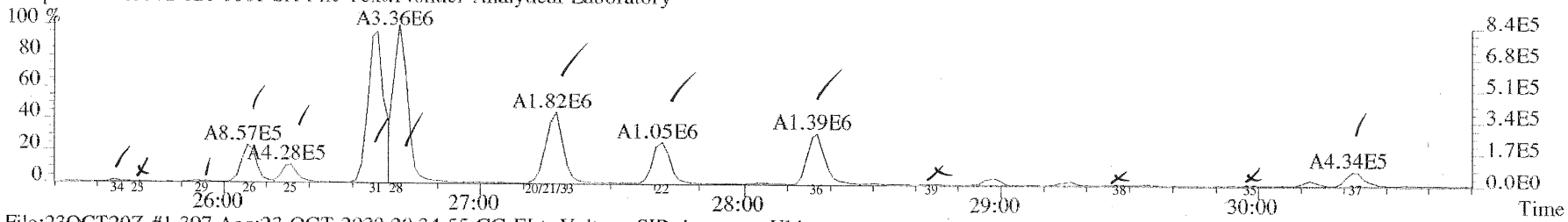
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



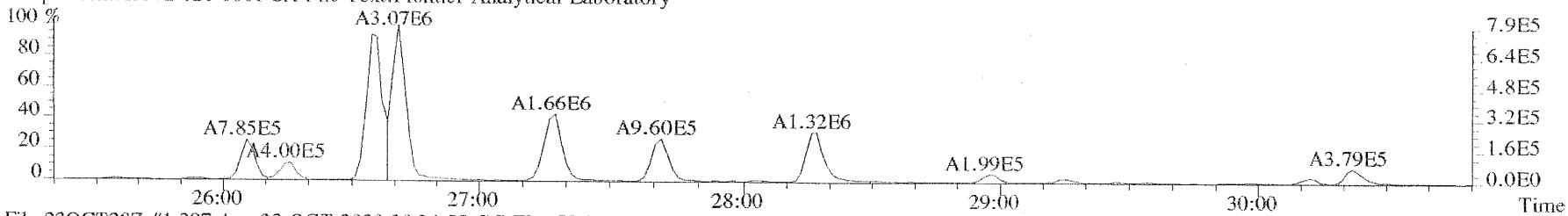
File:23OCT20Z #1-467 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



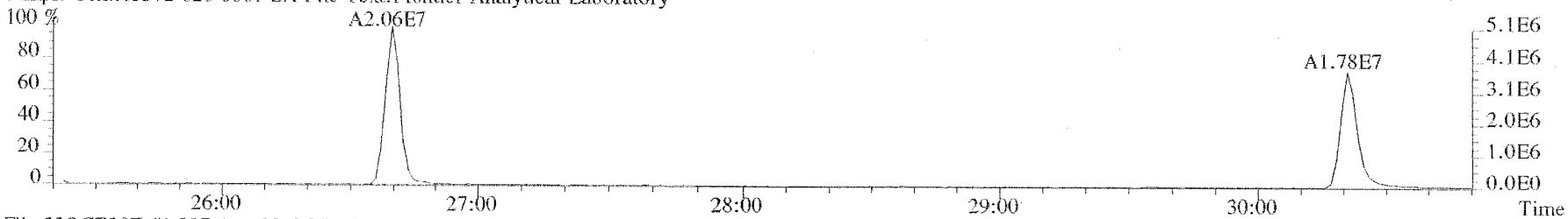
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



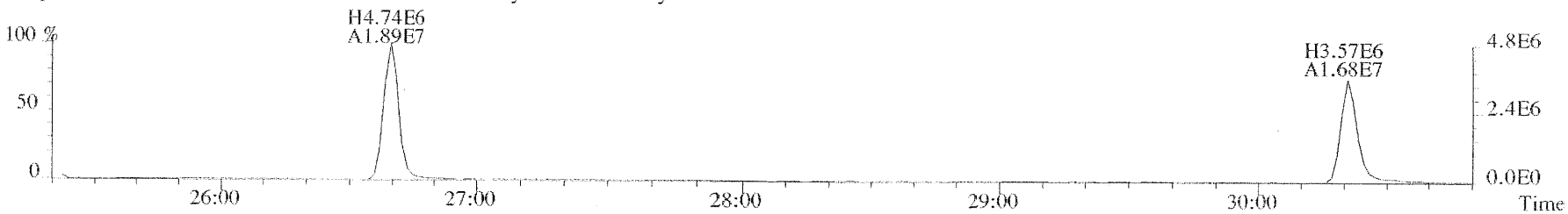
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



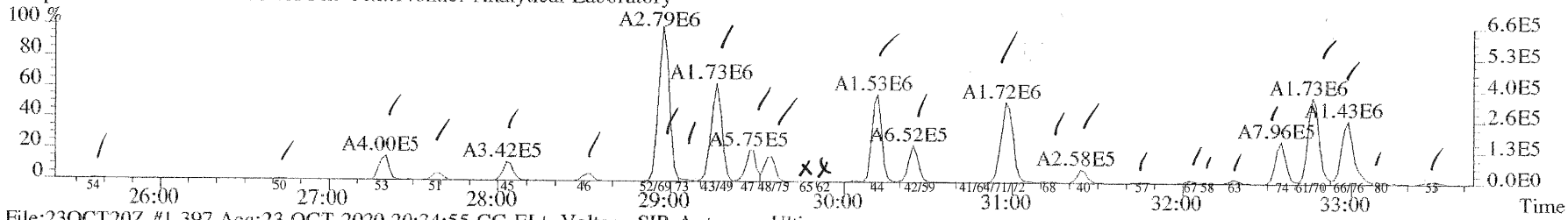
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



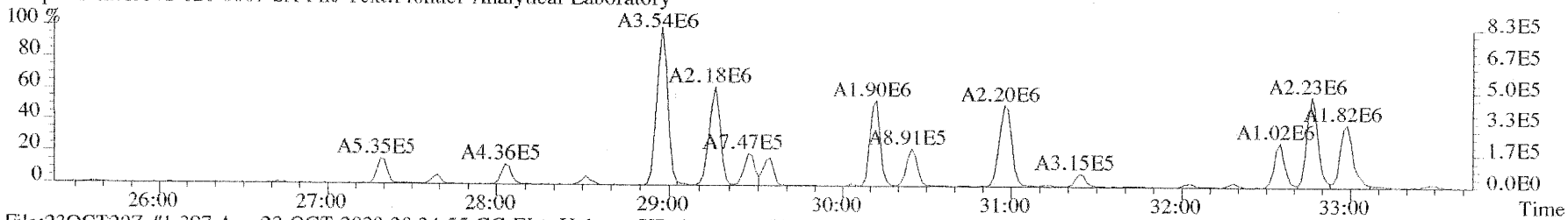
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



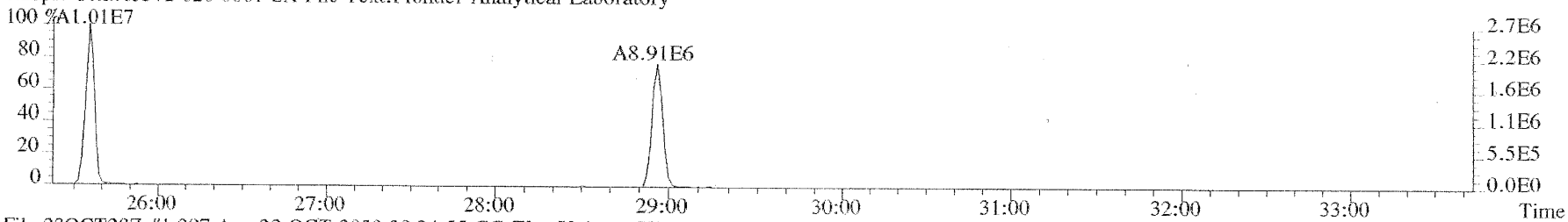
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



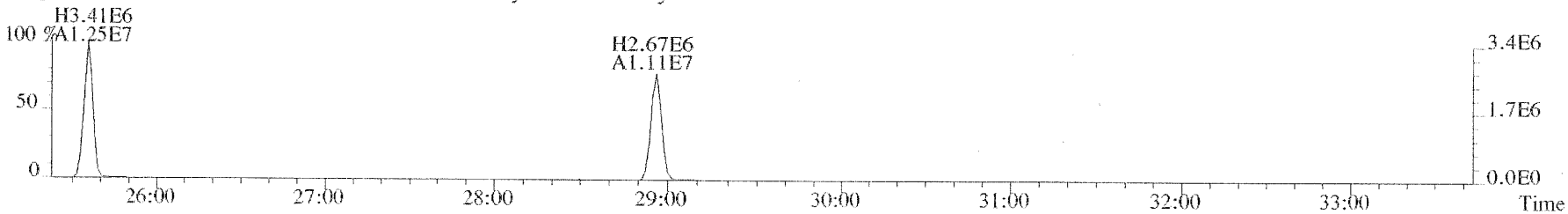
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



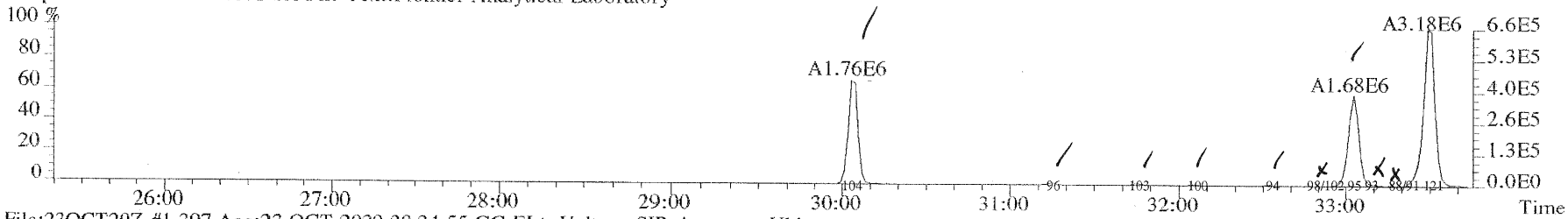
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



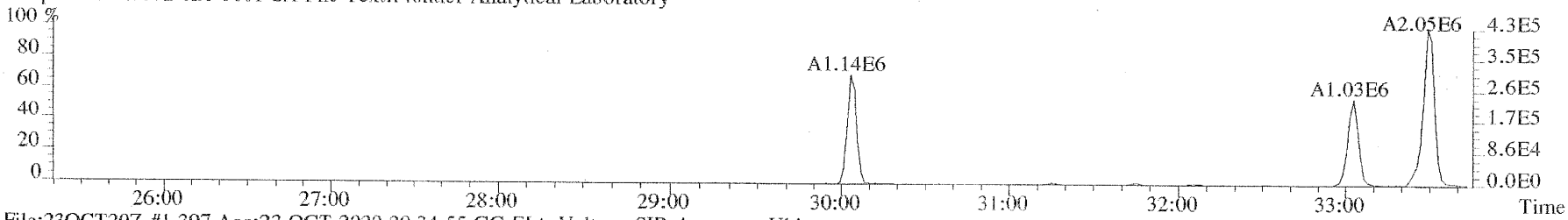
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



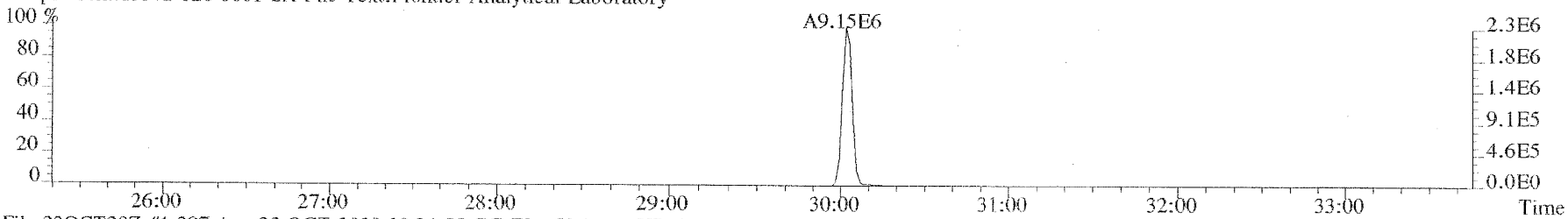
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



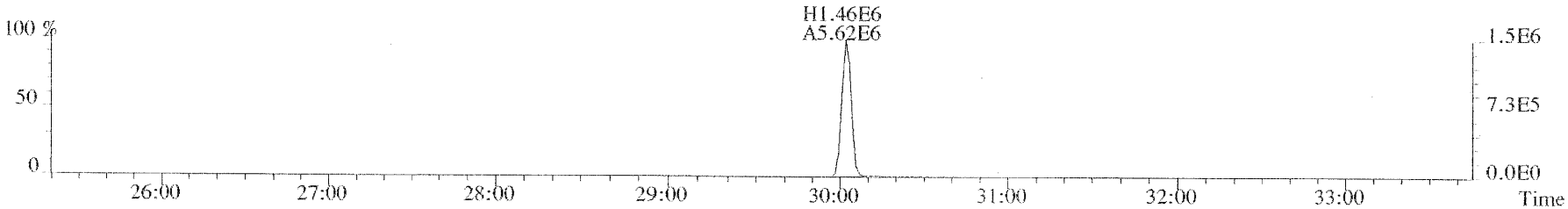
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



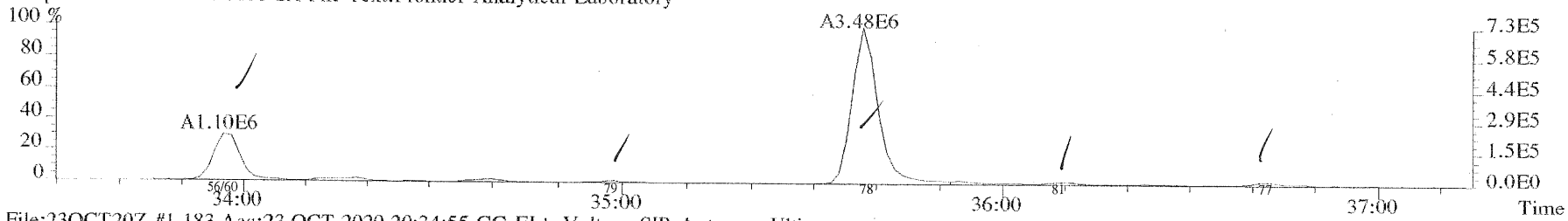
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



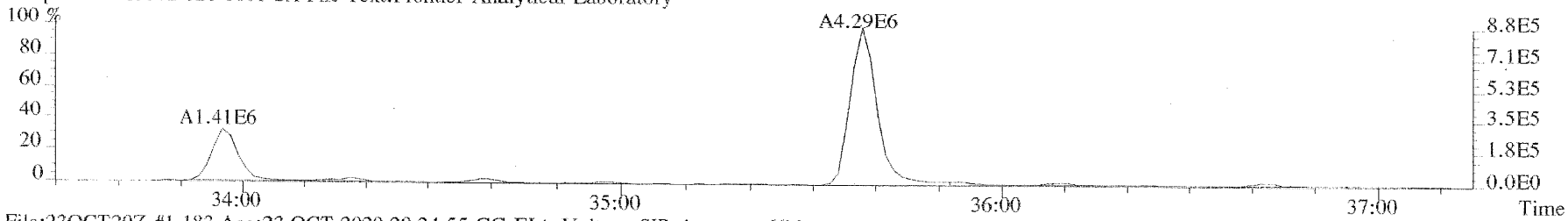
File:23OCT20Z #1-397 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



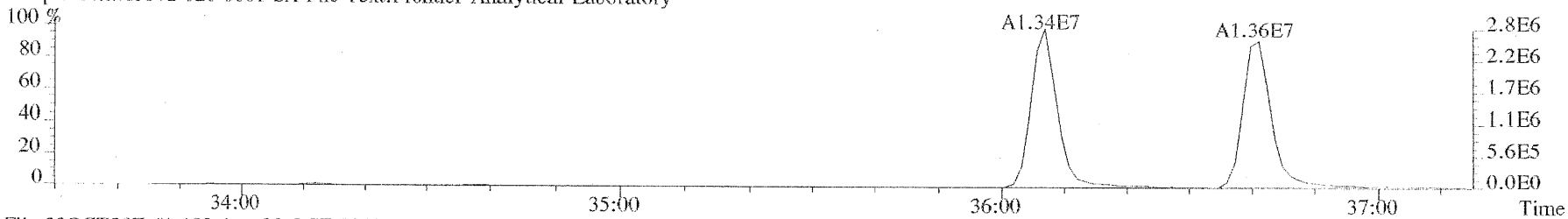
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



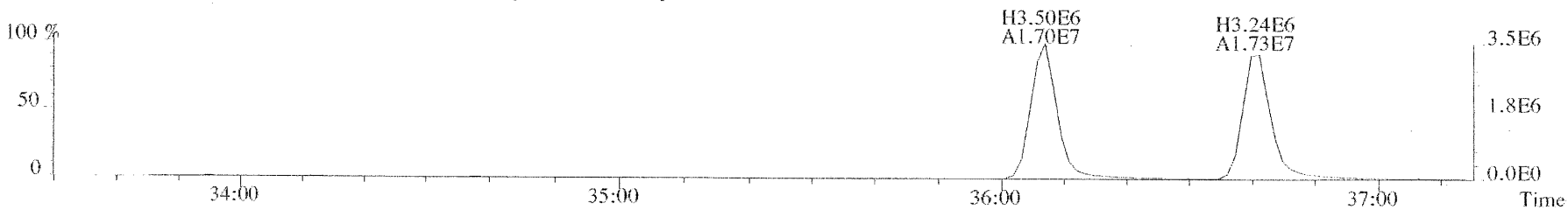
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



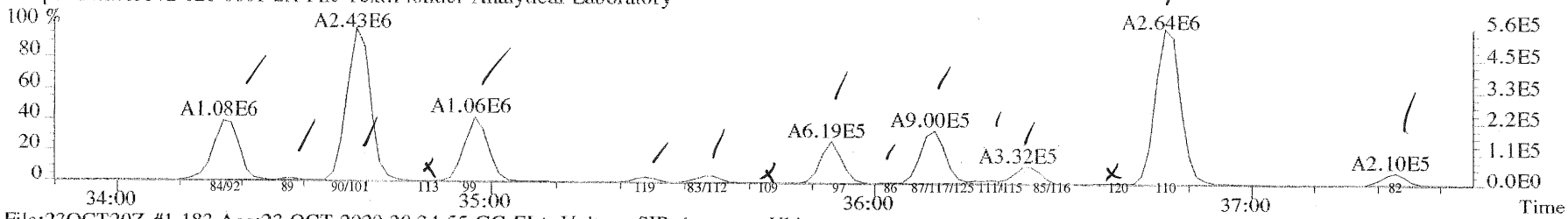
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



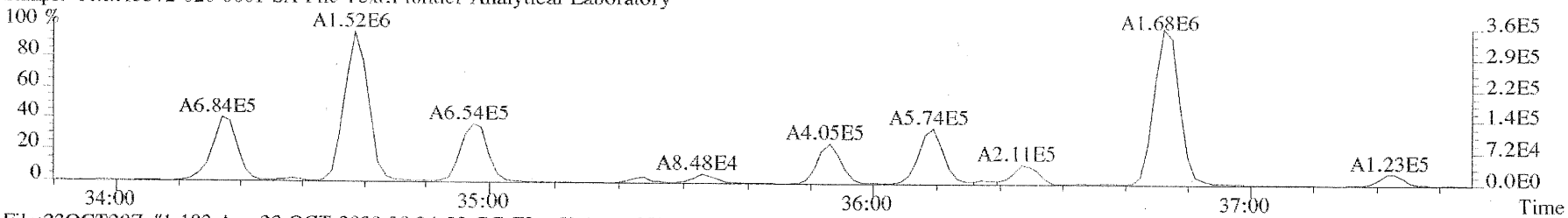
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



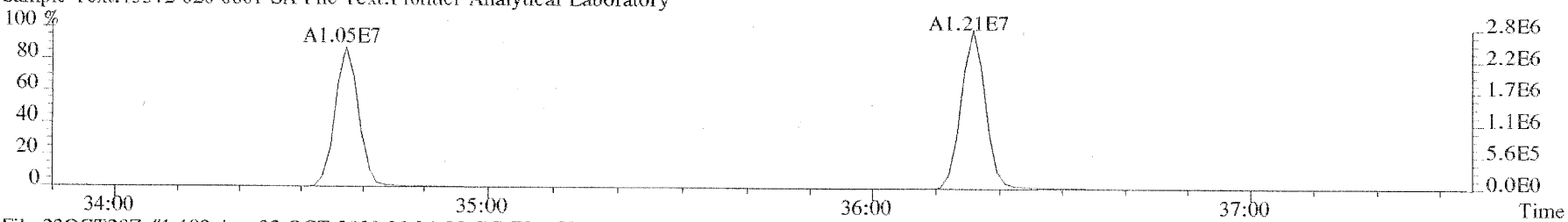
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



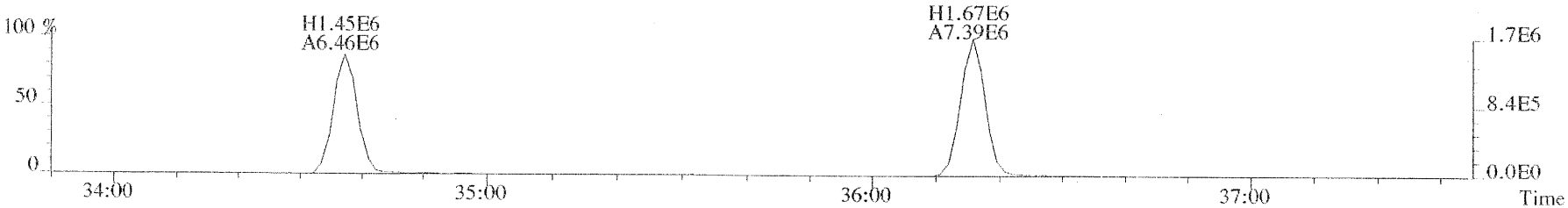
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



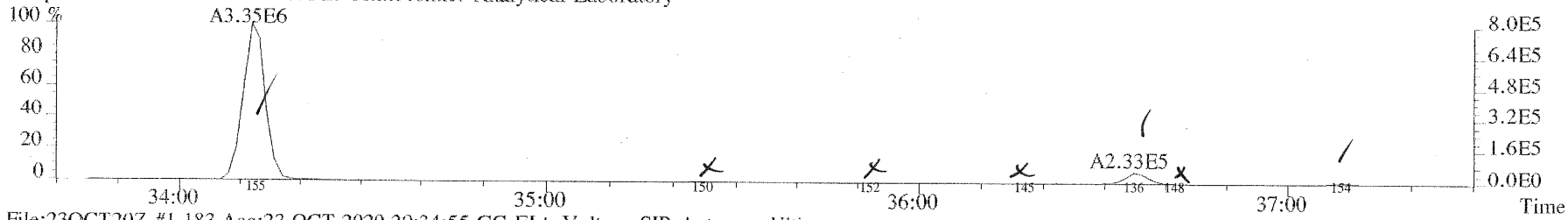
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



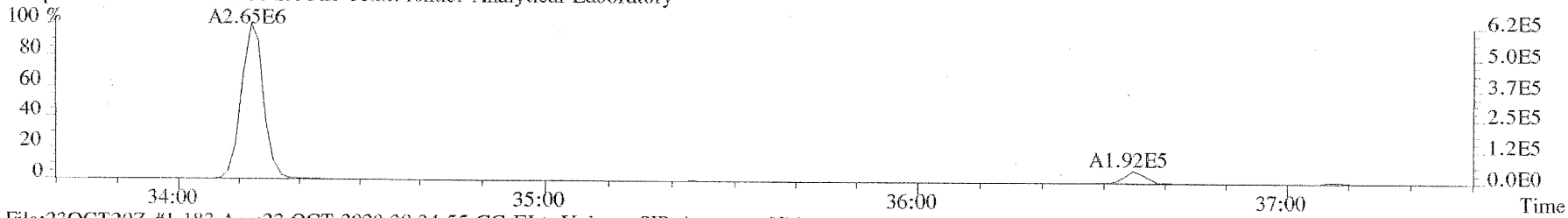
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



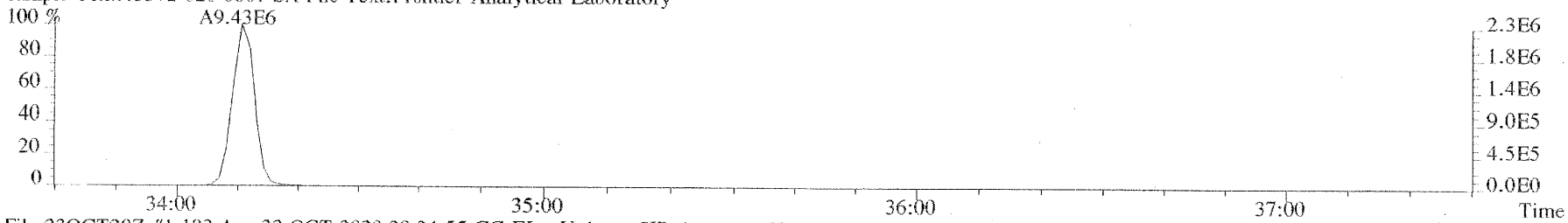
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



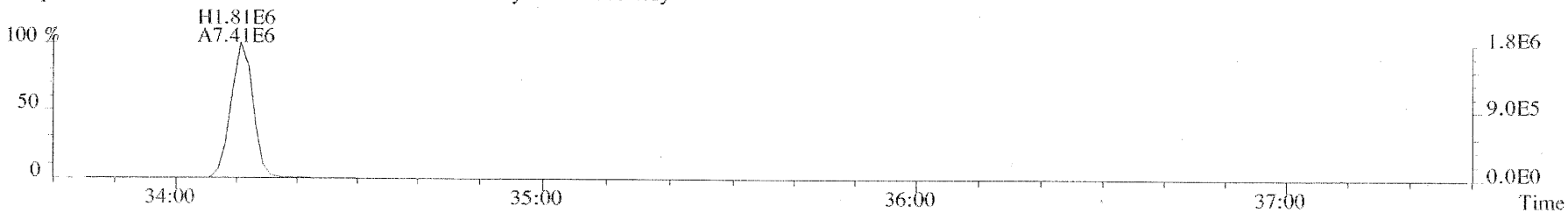
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



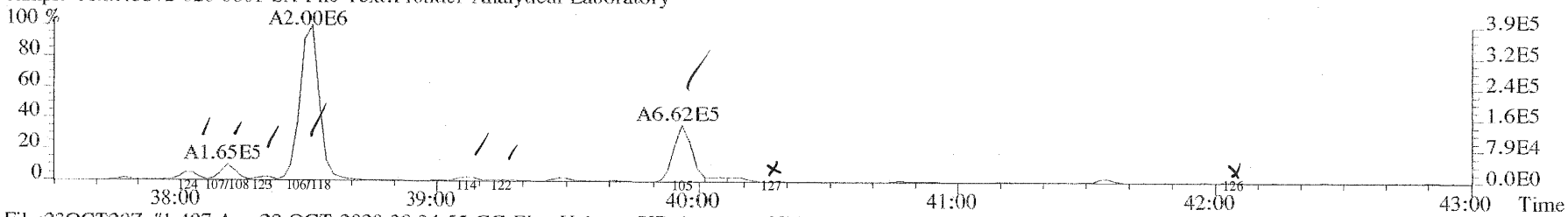
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



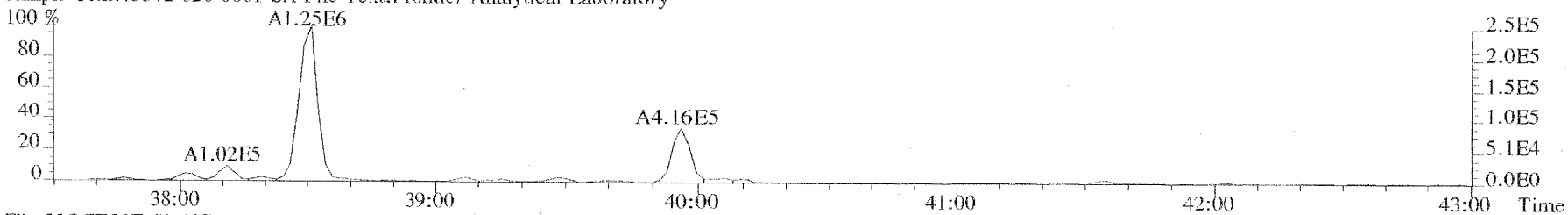
File:23OCT20Z #1-183 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



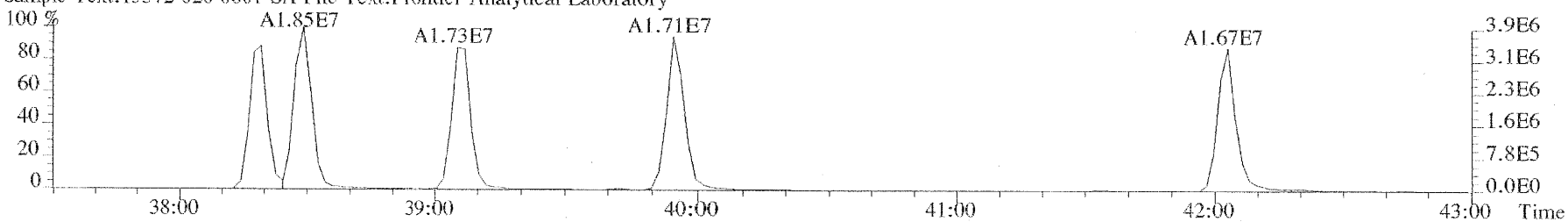
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



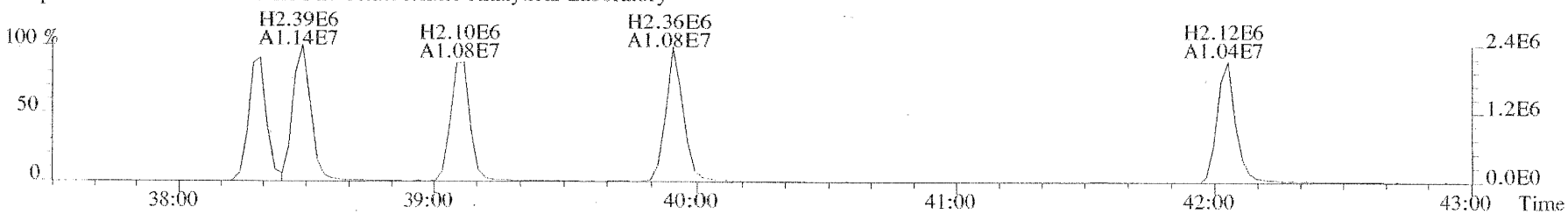
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



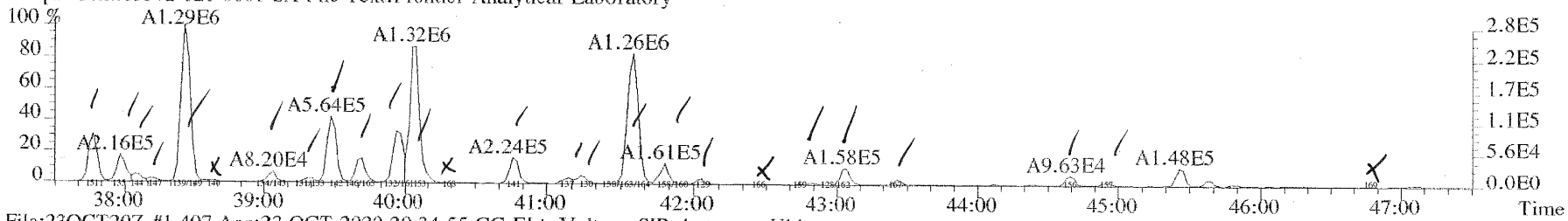
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



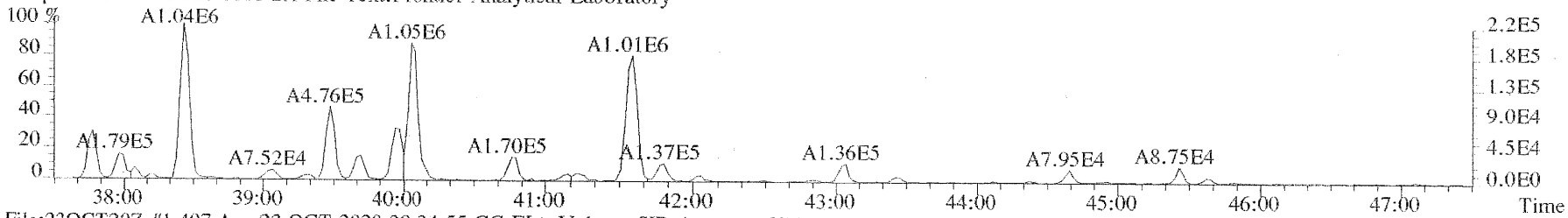
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



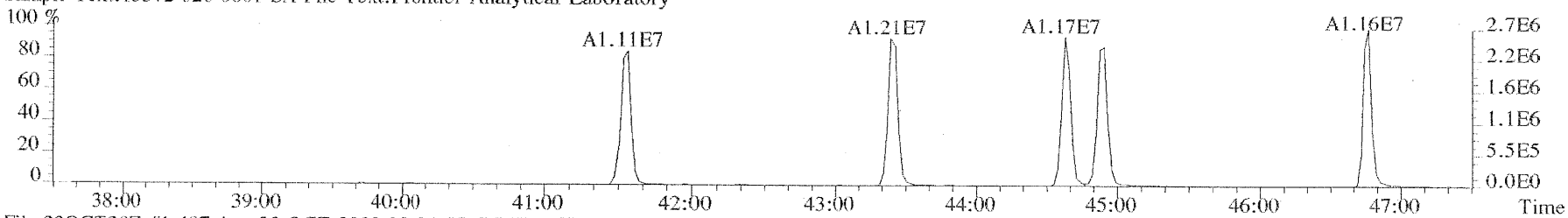
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



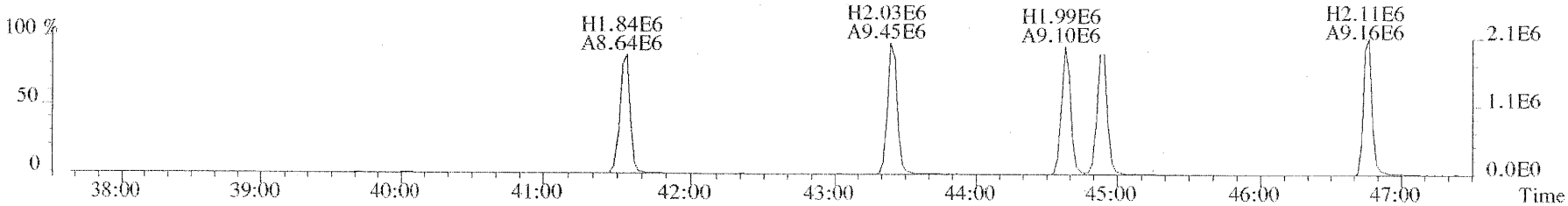
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



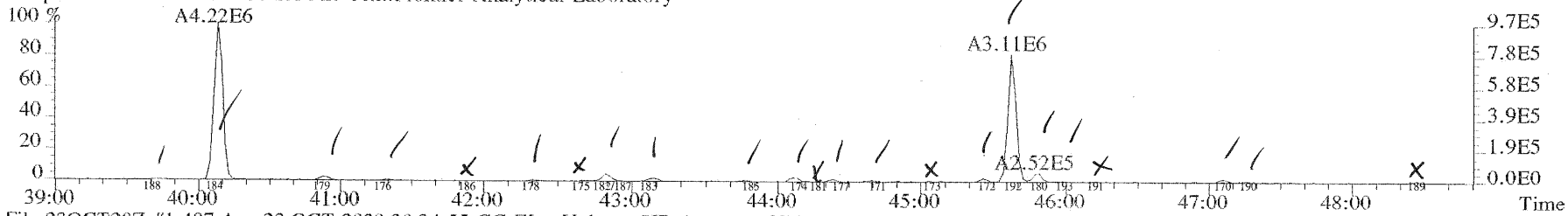
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



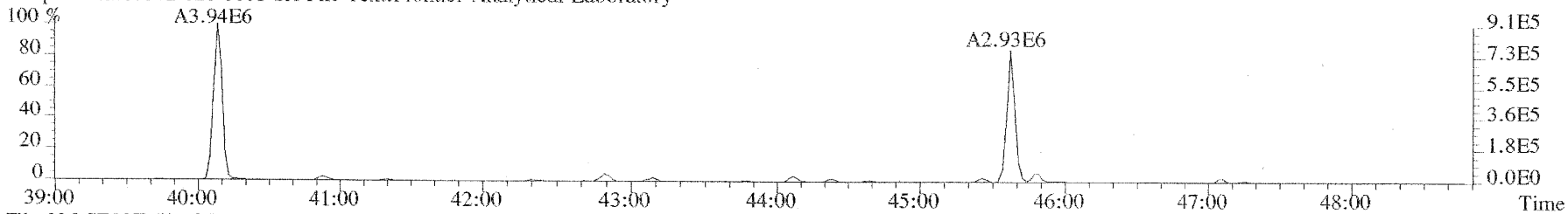
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



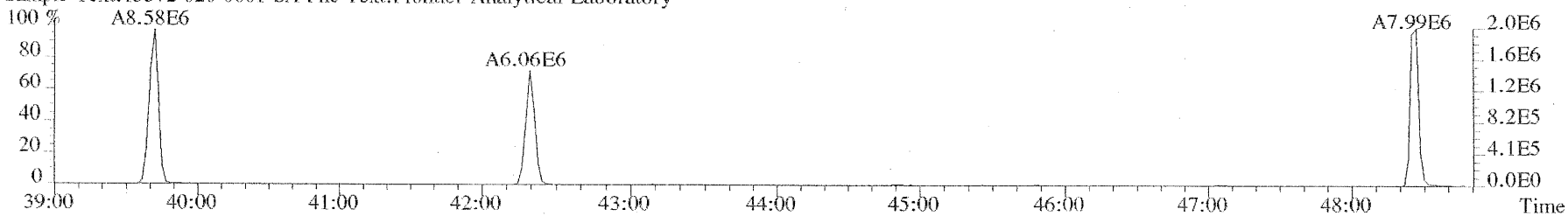
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



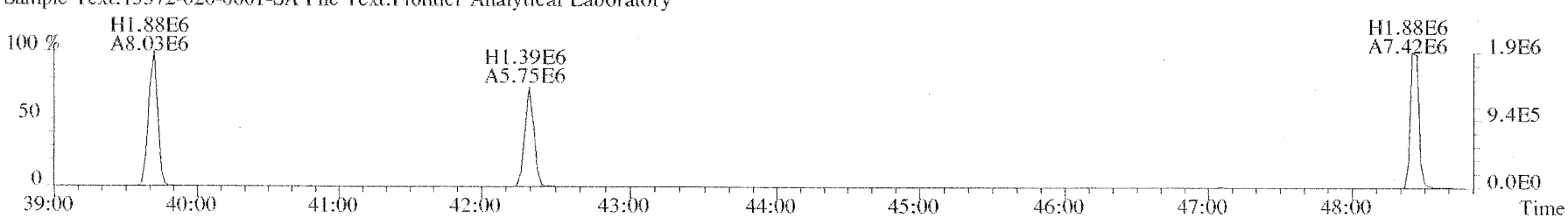
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



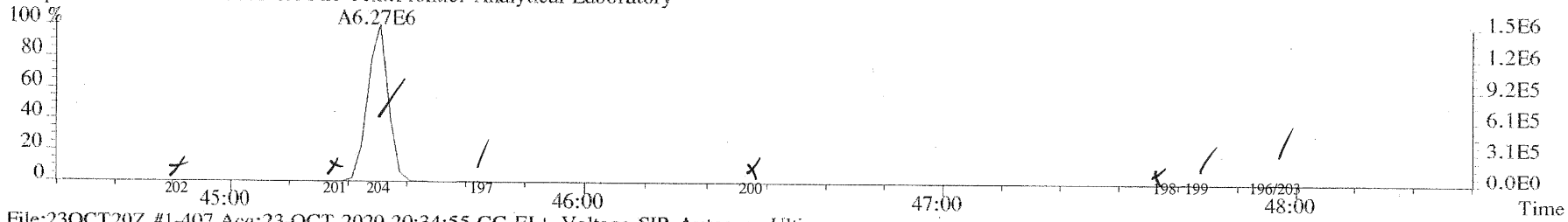
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



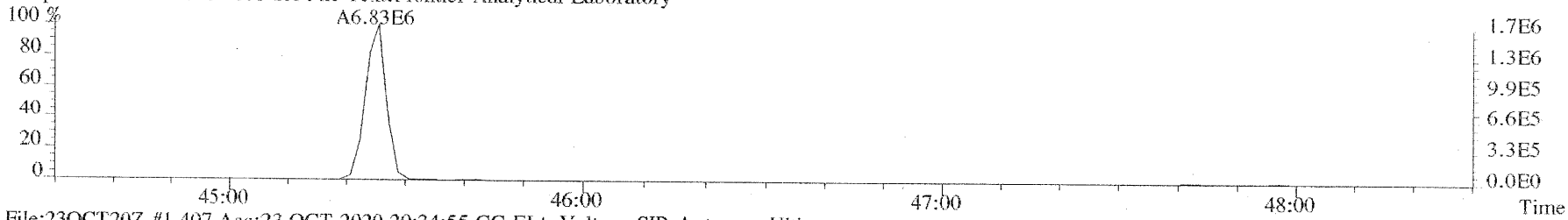
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



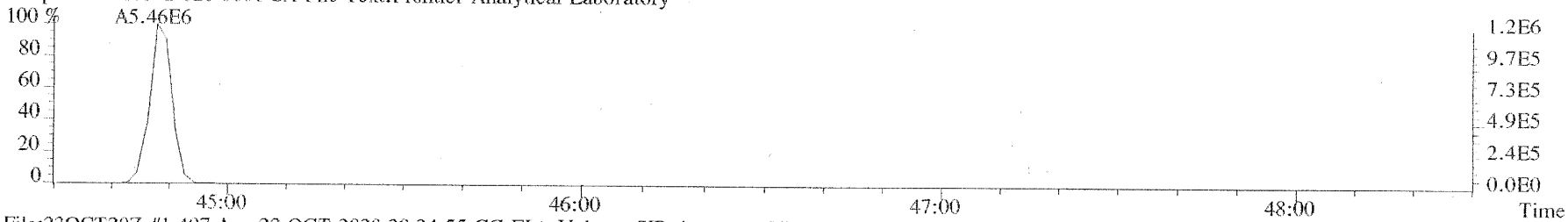
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



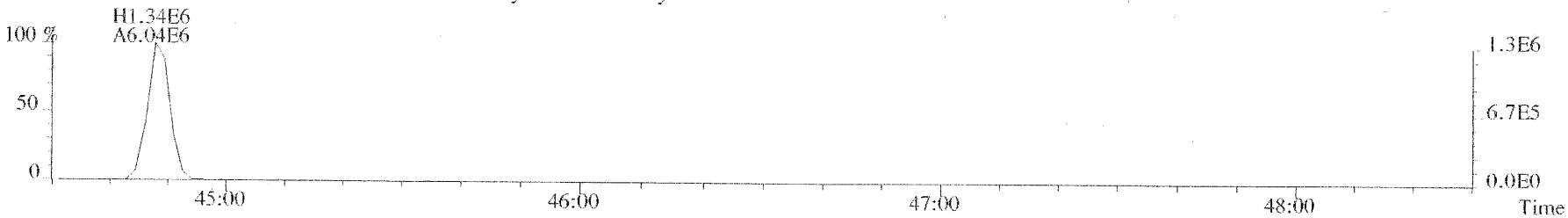
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



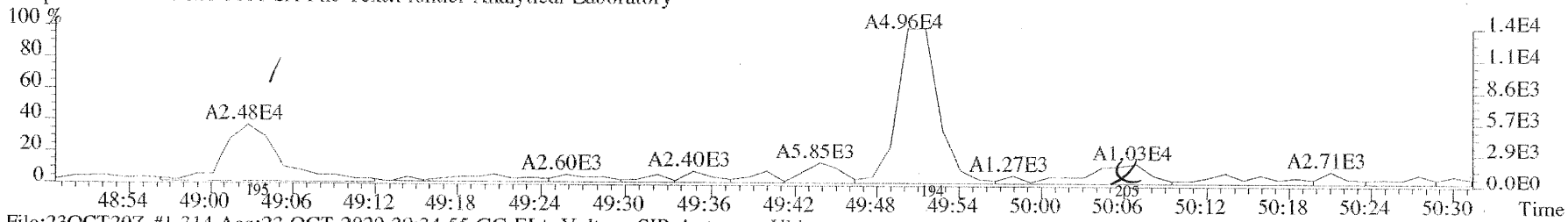
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



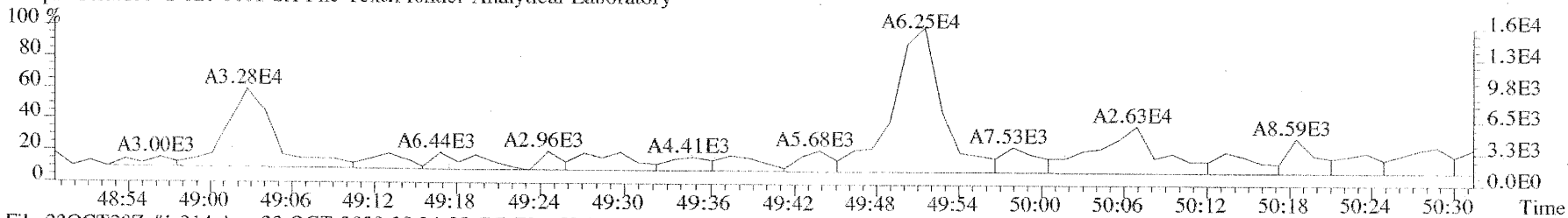
File:23OCT20Z #1-407 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



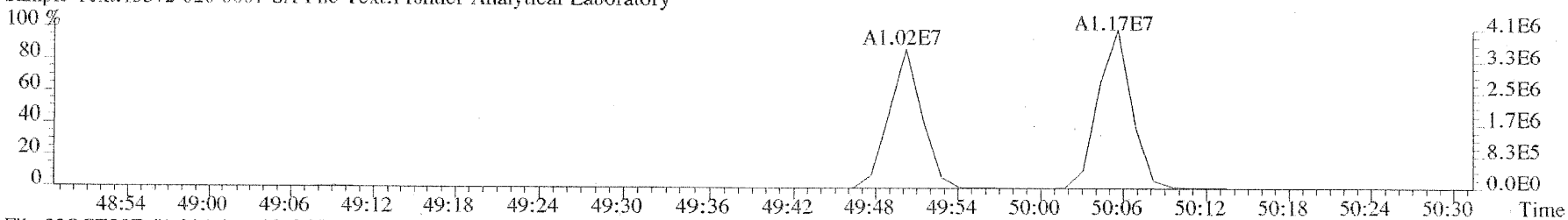
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



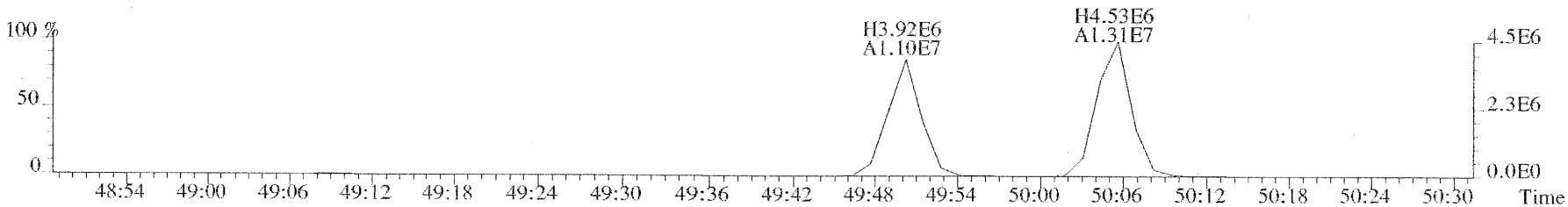
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



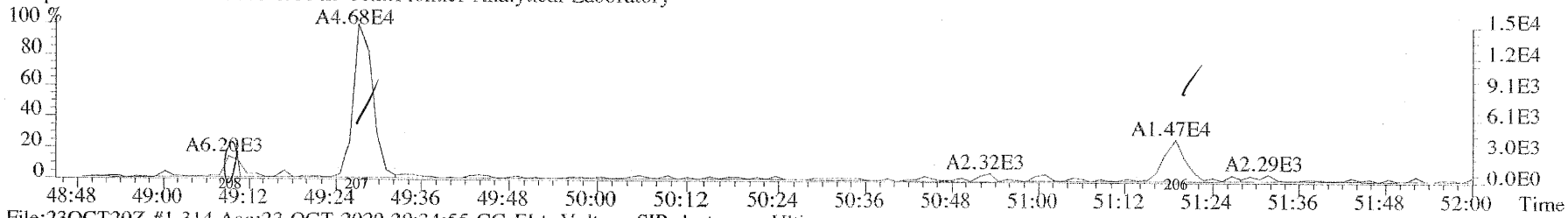
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



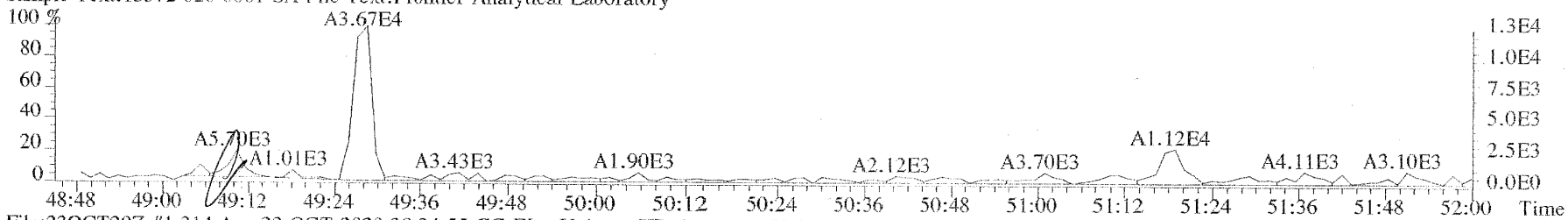
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



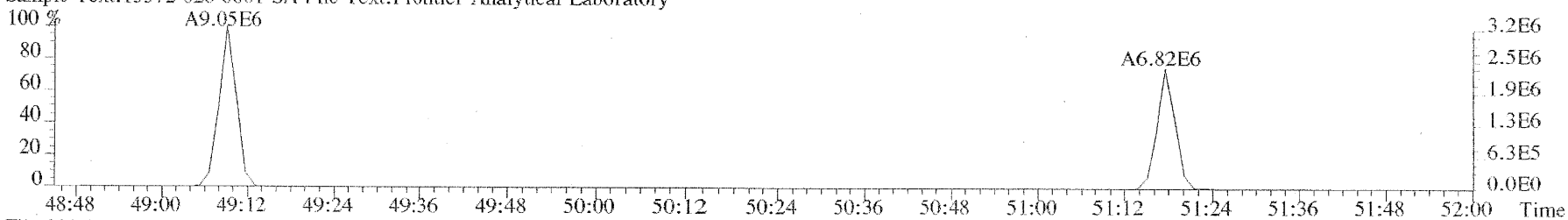
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



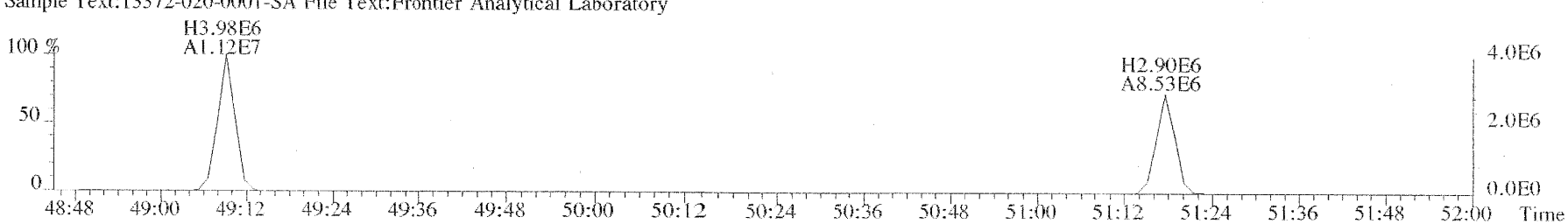
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



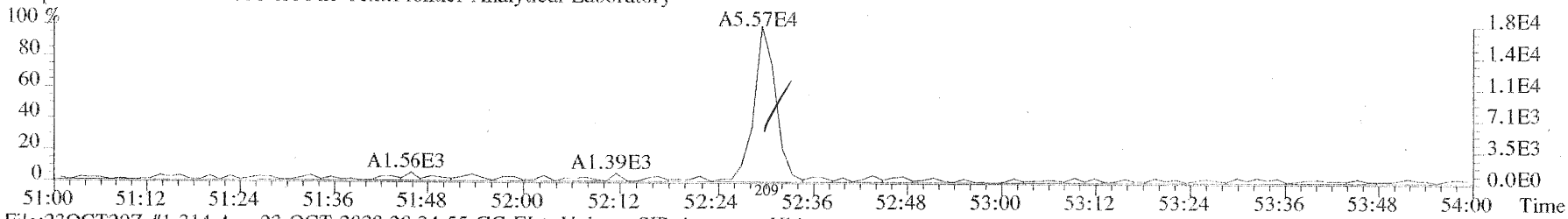
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



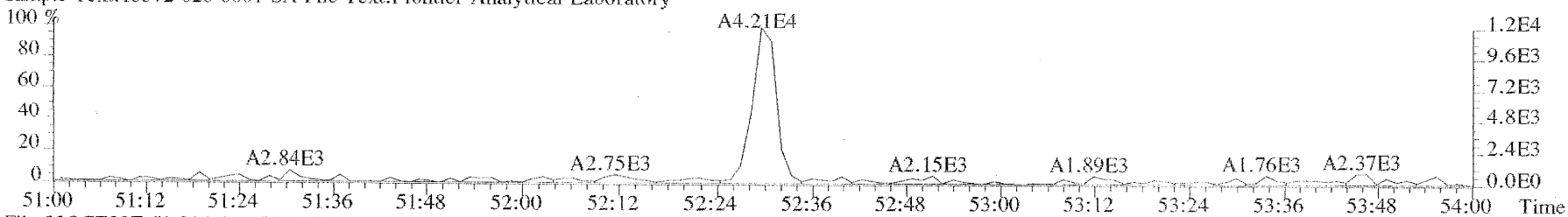
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



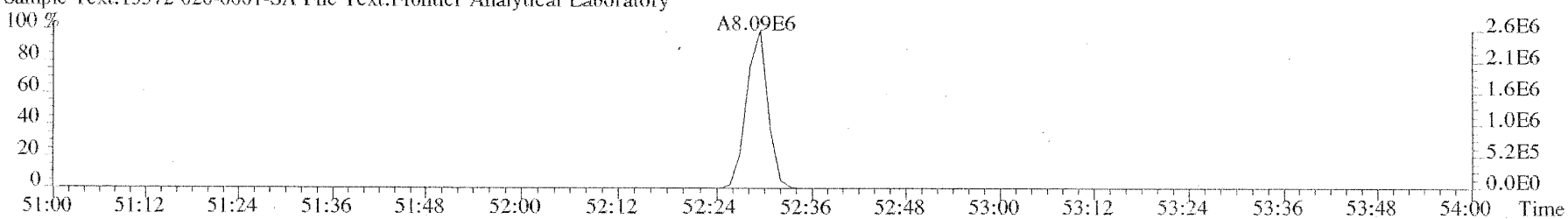
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



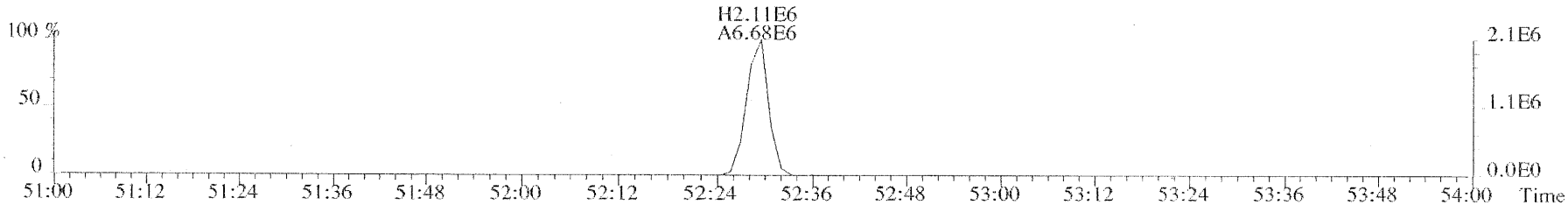
File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



File:23OCT20Z #1-314 Acq:23-OCT-2020 20:34:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13372-020-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Data Filename: 22JUL20Z

Analyte: 1668PCBFAL4-7-22-20 Cal: 1668PCBFAL4-7-22-20

Name	RRF	S. D.	%RSD	S1 RRF#1	S2 RRF#2	S3 RRF#3	S4 RRF#4	S5 RRF#5	S6 RRF#6
PCB-1	1.21	0.0906	7.48 %	1.38	1.24	1.18	1.15	1.14	1.17
13C-PCB-1	0.90	0.0253	2.82 %	0.89	0.87	0.90	0.90	0.95	0.88
PCB-3	1.23	0.0885	7.19 %	1.38	1.28	1.21	1.17	1.19	1.15
13C-PCB-3	0.93	0.0266	2.86 %	0.93	0.89	0.93	0.92	0.96	0.95
PCB-4	1.14	0.153	13.4 %	1.42	1.20	1.12	1.03	1.05	1.02
13C-PCB-4	0.66	0.0127	1.92 %	0.65	0.64	0.66	0.66	0.68	0.67
PCB-15	1.09	0.0888	8.13 %	1.24	1.15	1.10	1.02	1.02	1.02
13C-PCB-15	1.09	0.0329	3.03 %	1.07	1.09	1.04	1.07	1.11	1.14
PCB-19	1.21	0.0859	7.10 %	1.38	1.22	1.21	1.15	1.16	1.16
13C-PCB-19	0.50	0.0118	2.35 %	0.49	0.52	0.49	0.51	0.52	0.50
13C-PCB-9	-	-	- %	-	-	-	-	-	-
PCB-37	1.14	0.0725	6.34 %	1.28	1.16	1.13	1.06	1.12	1.12
13C-PCB-37	1.64	0.0733	4.47 %	1.74	1.67	1.56	1.68	1.65	1.55
PCB-54	1.18	0.0449	3.79 %	1.24	1.23	1.18	1.18	1.17	1.11
13C-PCB-54	1.26	0.0314	2.49 %	1.29	1.24	1.23	1.29	1.29	1.24
PCB-104	1.12	0.0554	4.97 %	1.10	1.20	1.16	1.09	1.12	1.03
13C-PCB-104	1.02	0.0354	3.47 %	1.08	1.01	0.98	1.02	1.04	0.99
13C-PCB-28	1.73	0.0728	4.20 %	1.85	1.76	1.71	1.75	1.68	1.65
13C-PCB-52	-	-	- %	-	-	-	-	-	-
PCB-81	1.13	0.0617	5.45 %	1.21	1.17	1.16	1.10	1.13	1.03
13C-PCB-81	1.57	0.0793	5.05 %	1.54	1.53	1.53	1.52	1.58	1.73
PCB-77	1.10	0.0617	5.61 %	1.19	1.13	1.12	1.07	1.08	1.01
13C-PCB-77	1.61	0.0829	5.14 %	1.58	1.57	1.59	1.54	1.63	1.77
PCB-155	1.13	0.0489	4.31 %	1.21	1.17	1.14	1.09	1.12	1.08
13C-PCB-155	1.10	0.0325	2.95 %	1.05	1.13	1.11	1.13	1.09	1.11
13C-PCB-111	1.27	0.0191	1.51 %	1.25	1.28	1.30	1.26	1.28	1.25
13C-PCB-101	-	-	- %	-	-	-	-	-	-
PCB-123	1.11	0.0424	3.82 %	1.18	1.14	1.08	1.09	1.09	1.07
13C-PCB-123	1.28	0.0404	3.15 %	1.31	1.24	1.30	1.25	1.35	1.25
PCB-118	1.12	0.0635	5.66 %	1.21	1.17	1.15	1.07	1.07	1.06
13C-PCB-118	1.35	0.0382	2.82 %	1.36	1.32	1.32	1.35	1.42	1.35
PCB-114	1.13	0.0470	4.16 %	1.18	1.17	1.16	1.08	1.08	1.09
13C-PCB-114	1.29	0.0386	2.98 %	1.30	1.30	1.24	1.28	1.36	1.29
PCB-105	1.10	0.0683	6.19 %	1.24	1.09	1.10	1.07	1.06	1.07
13C-PCB-105	1.28	0.0298	2.32 %	1.32	1.30	1.28	1.25	1.25	1.29
PCB-126	1.08	0.0278	2.57 %	1.11	1.10	1.10	1.08	1.09	1.03
13C-PCB-126	1.23	0.0921	7.48 %	1.15	1.23	1.24	1.13	1.27	1.38
PCB-167	1.11	0.0641	5.78 %	1.20	1.16	1.12	1.07	1.06	1.03
13C-PCB-167	1.23	0.0588	4.79 %	1.18	1.21	1.21	1.18	1.28	1.32
PCB-156	1.13	0.0540	4.80 %	1.20	1.17	1.14	1.09	1.09	1.07
13C-PCB-156	1.19	0.0597	5.02 %	1.14	1.17	1.13	1.16	1.26	1.27
PCB-157	1.08	0.0406	3.75 %	1.15	1.08	1.11	1.06	1.05	1.04
13C-PCB-157	1.21	0.0764	6.29 %	1.14	1.19	1.16	1.17	1.28	1.34
PCB-169	1.08	0.0377	3.50 %	1.12	1.10	1.09	1.08	1.05	1.02
13C-PCB-169	1.17	0.104	8.90 %	1.07	1.15	1.10	1.12	1.23	1.35
PCB-188	1.10	0.0468	4.26 %	1.11	1.13	1.15	1.09	1.11	1.01
13C-PCB-188	1.13	0.0217	1.93 %	1.14	1.10	1.13	1.10	1.14	1.15
PCB-189	1.07	0.0736	6.88 %	1.16	1.08	1.09	1.07	1.07	0.94
13C-PCB-189	0.97	0.0907	9.40 %	0.86	0.94	0.93	0.94	0.99	1.13
PCB-202	1.03	0.0801	7.78 %	1.14	1.09	1.03	1.02	0.99	0.91
13C-PCB-202	0.96	0.0503	5.26 %	0.86	0.98	0.94	0.98	1.00	0.98
13C-PCB-178	0.78	0.0334	4.31 %	0.71	0.80	0.78	0.76	0.79	0.81
13C-PCB-138	-	-	- %	-	-	-	-	-	-

PCB-205	1.09	0.0892	8.22 %	1.20	1.13	1.12	1.07	1.06	0.93
13C-PCB-205	1.32	0.0588	4.47 %	1.31	1.28	1.25	1.29	1.35	1.42
PCB-208	1.01	0.0633	6.28 %	1.09	1.03	1.04	1.00	0.99	0.90
13C-PCB-208	1.38	0.0358	2.61 %	1.43	1.34	1.34	1.39	1.40	1.35
PCB-206	1.04	0.0680	6.54 %	1.09	1.09	1.07	1.04	1.04	0.91
13C-PCB-206	0.94	0.0476	5.08 %	0.99	0.91	0.89	0.89	0.95	1.00
PCB-209	1.13	0.117	10.4 %	1.31	1.11	1.17	1.11	1.12	0.95
13C-PCB-209	1.10	0.0679	6.16 %	0.99	1.10	1.11	1.09	1.15	1.19
13C-PCB-194	-	-	- %	-	-	-	-	-	-

Analyst: [illegible] Date: 7/28/01

Run #1 Filename 22JUL20Z S: 1 Acquired: 22-JUL-20 08:04:10 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z0 Analyte: FAL ID: 1668 CS099 R181022A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	0.20	3.45e+05	3.04	y	14:32	-	1.38	y
2	IS/RT	13C-PCB-1	100.00	1.25e+08	3.19	y	14:30	-	0.889	y
3	Unk	PCB-3	0.20	3.59e+05	3.03	y	16:57	-	1.38	y
4	IS/RT	13C-PCB-3	100.00	1.30e+08	3.27	y	16:56	-	0.925	y
5	Unk	PCB-4	0.20	2.61e+05	1.34	y	18:12	-	1.42	y
6	IS/RT	13C-PCB-4	100.00	9.17e+07	1.57	y	18:10	-	0.654	y
7	Unk	PCB-15	0.20	3.72e+05	1.41	y	23:42	-	1.24	y
8	IS/RT	13C-PCB-15	100.00	1.50e+08	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	0.20	1.91e+05	1.11	y	22:05	-	1.38	y
10	IS/RT	13C-PCB-19	100.00	6.93e+07	1.07	y	22:03	-	0.494	y
11	RS	13C-PCB-9	100.00	1.40e+08	1.60	y	19:51	1.40e+06	-	n
12	Unk	PCB-37	0.20	3.10e+05	1.07	y	30:20	-	1.28	y
13	IS	13C-PCB-37	100.00	1.21e+08	1.07	y	30:18	-	1.74	y
14	Unk	PCB-54	0.20	2.23e+05	0.71	y	25:36	-	1.24	y
15	IS/RT	13C-PCB-54	100.00	9.01e+07	0.79	y	25:35	-	1.29	y
16	Unk	PCB-104	0.20	1.65e+05	1.65	y	30:03	-	1.10	y
17	IS	13C-PCB-104	100.00	7.51e+07	1.60	y	30:01	-	1.08	y
18	C/Up	13C-PCB-28	100.00	1.29e+08	1.05	y	26:38	-	1.85	y
19	RS	13C-PCB-52	100.00	6.97e+07	0.78	y	28:56	6.97e+05	-	n
20	Unk	PCB-81	0.20	2.43e+05	0.79	y	36:06	-	1.21	y
21	IS	13C-PCB-81	100.00	1.01e+08	0.80	y	36:05	-	1.54	y
22	Unk	PCB-77	0.20	2.45e+05	0.70	y	36:40	-	1.19	y
23	IS/RT	13C-PCB-77	100.00	1.03e+08	0.81	y	36:39	-	1.58	y
24	Unk	PCB-155	0.20	1.65e+05	1.21	y	34:12	-	1.21	y
25	IS	13C-PCB-155	100.00	6.85e+07	1.34	y	34:11	-	1.05	y
26	C/Up	13C-PCB-111	100.00	8.19e+07	1.64	y	36:15	-	1.25	y
27	RS	13C-PCB-101	100.00	6.54e+07	1.65	y	34:36	6.54e+05	-	n
28	Unk	PCB-123	0.20	2.03e+05	1.64	y	38:19	-	1.18	y
29	IS	13C-PCB-123	100.00	8.58e+07	1.59	y	38:17	-	1.31	y
30	Unk	PCB-118	0.20	2.17e+05	1.56	y	38:29	-	1.21	y
31	IS	13C-PCB-118	100.00	8.95e+07	1.61	y	38:27	-	1.36	y
32	Unk	PCB-114	0.20	2.03e+05	1.53	y	39:07	-	1.18	y
33	IS	13C-PCB-114	100.00	8.55e+07	1.61	y	39:05	-	1.30	y
34	Unk	PCB-105	0.20	2.16e+05	1.33	y	39:54	-	1.24	y
35	IS	13C-PCB-105	100.00	8.70e+07	1.57	y	39:53	-	1.32	y
36	Unk	PCB-126	0.20	1.67e+05	1.67	y	42:01	-	1.11	y
37	IS	13C-PCB-126	100.00	7.54e+07	1.59	y	41:60	-	1.15	y
38	Unk	PCB-167	0.20	1.85e+05	1.18	y	43:23	-	1.20	y
39	IS	13C-PCB-167	100.00	7.72e+07	1.29	y	43:23	-	1.18	y
40	Unk	PCB-156	0.20	1.81e+05	1.13	y	44:38	-	1.20	y
41	IS	13C-PCB-156	100.00	7.51e+07	1.28	y	44:36	-	1.14	y
42	Unk	PCB-157	0.20	1.73e+05	1.14	y	44:52	-	1.15	y
43	IS	13C-PCB-157	100.00	7.51e+07	1.29	y	44:51	-	1.14	y
44	Unk	PCB-169	0.20	1.57e+05	1.24	y	46:44	-	1.12	y
45	IS	13C-PCB-169	100.00	7.01e+07	1.28	y	46:43	-	1.07	y
46	Unk	PCB-188	0.20	1.66e+05	1.18	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	7.49e+07	1.07	y	39:41	-	1.14	y
48	Unk	PCB-189	0.20	1.31e+05	1.12	y	48:25	-	1.16	y
49	IS	13C-PCB-189	100.00	5.64e+07	1.05	y	48:23	-	0.858	y
50	Unk	PCB-202	0.20	1.29e+05	0.93	y	44:49	-	1.14	y
51	IS	13C-PCB-202	100.00	5.65e+07	0.90	y	44:47	-	0.859	y
52	C/Up	13C-PCB-178	100.00	4.70e+07	1.07	y	42:19	-	0.715	y
53	RS	13C-PCB-138	100.00	6.57e+07	1.28	y	41:32	6.57e+05	-	n

54	Unk	PCB-205	0.20	1.52e+05	0.99	y	50:03	-	1.20	y
55	IS	13C-PCB-205	100.00	6.36e+07	0.89	y	50:02	-	1.31	y
56	Unk	PCB-208	0.20	1.50e+05	1.24	y	49:08	-	1.09	y
57	IS	13C-PCB-208	100.00	6.92e+07	0.80	y	49:07	-	1.43	y
58	Unk	PCB-206	0.20	1.04e+05	1.18	y	51:15	-	1.09	y
59	IS	13C-PCB-206	100.00	4.77e+07	0.78	y	51:14	-	0.986	y
60	Unk	PCB-209	0.20	1.25e+05	1.22	y	52:26	-	1.31	y
61	IS	13C-PCB-209	100.00	4.77e+07	1.19	y	52:25	-	0.985	y
62	RS	13C-PCB-194	100.00	4.84e+07	0.90	y	49:48	4.84e+05	-	n

Analyst: _____ Date: 7/28/20

Run #2 Filename 22JUL20Z S: 2 Acquired: 22-JUL-20 09:02:30 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z1 Analyte: FAL ID: 1668 CS199 R170213A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	1.00	9.47e+05	3.10	y	14:32	-	1.24	y
2	IS/RT	13C-PCB-1	100.00	7.65e+07	3.20	y	14:32	-	0.874	y
3	Unk	PCB-3	1.00	9.95e+05	3.18	y	16:57	-	1.28	y
4	IS/RT	13C-PCB-3	100.00	7.75e+07	3.21	y	16:57	-	0.885	y
5	Unk	PCB-4	1.00	6.70e+05	1.36	y	18:12	-	1.20	y
6	IS/RT	13C-PCB-4	100.00	5.60e+07	1.58	y	18:11	-	0.639	y
7	Unk	PCB-15	1.00	1.10e+06	1.39	y	23:42	-	1.15	y
8	IS/RT	13C-PCB-15	100.00	9.58e+07	1.58	y	23:41	-	1.09	y
9	Unk	PCB-19	1.00	5.52e+05	1.05	y	22:05	-	1.22	y
10	IS/RT	13C-PCB-19	100.00	4.54e+07	1.07	y	22:04	-	0.518	y
11	RS	13C-PCB-9	100.00	8.76e+07	1.59	y	19:51	8.76e+05	-	n
12	Unk	PCB-37	1.00	8.91e+05	1.06	y	30:20	-	1.16	y
13	IS	13C-PCB-37	100.00	7.71e+07	1.05	y	30:19	-	1.67	y
14	Unk	PCB-54	1.00	7.00e+05	0.82	y	25:37	-	1.23	y
15	IS/RT	13C-PCB-54	100.00	5.71e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	1.00	5.59e+05	1.62	y	30:02	-	1.20	y
17	IS	13C-PCB-104	100.00	4.68e+07	1.59	y	30:01	-	1.01	y
18	C/Up	13C-PCB-28	100.00	8.11e+07	1.05	y	26:40	-	1.76	y
19	RS	13C-PCB-52	100.00	4.62e+07	0.78	y	28:55	4.62e+05	-	n
20	Unk	PCB-81	1.00	7.49e+05	0.76	y	36:06	-	1.17	y
21	IS	13C-PCB-81	100.00	6.40e+07	0.80	y	36:05	-	1.53	y
22	Unk	PCB-77	1.00	7.47e+05	0.81	y	36:39	-	1.13	y
23	IS/RT	13C-PCB-77	100.00	6.59e+07	0.80	y	36:38	-	1.57	y
24	Unk	PCB-155	1.00	5.57e+05	1.27	y	34:12	-	1.17	y
25	IS	13C-PCB-155	100.00	4.75e+07	1.33	y	34:11	-	1.13	y
26	C/Up	13C-PCB-111	100.00	5.37e+07	1.61	y	36:15	-	1.28	y
27	RS	13C-PCB-101	100.00	4.19e+07	1.63	y	34:36	4.19e+05	-	n
28	Unk	PCB-123	1.00	5.98e+05	1.65	y	38:17	-	1.14	y
29	IS	13C-PCB-123	100.00	5.25e+07	1.59	y	38:17	-	1.24	y
30	Unk	PCB-118	1.00	6.52e+05	1.71	y	38:27	-	1.17	y
31	IS	13C-PCB-118	100.00	5.59e+07	1.59	y	38:27	-	1.32	y
32	Unk	PCB-114	1.00	6.40e+05	1.57	y	39:05	-	1.17	y
33	IS	13C-PCB-114	100.00	5.47e+07	1.59	y	39:04	-	1.30	y
34	Unk	PCB-105	1.00	5.98e+05	1.54	y	39:55	-	1.09	y
35	IS	13C-PCB-105	100.00	5.50e+07	1.62	y	39:53	-	1.30	y
36	Unk	PCB-126	1.00	5.71e+05	1.51	y	41:60	-	1.10	y
37	IS	13C-PCB-126	100.00	5.18e+07	1.60	y	41:60	-	1.23	y
38	Unk	PCB-167	1.00	5.92e+05	1.30	y	43:22	-	1.16	y
39	IS	13C-PCB-167	100.00	5.10e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	1.00	5.81e+05	1.27	y	44:36	-	1.17	y
41	IS	13C-PCB-156	100.00	4.96e+07	1.29	y	44:34	-	1.17	y
42	Unk	PCB-157	1.00	5.45e+05	1.27	y	44:52	-	1.08	y
43	IS	13C-PCB-157	100.00	5.03e+07	1.30	y	44:51	-	1.19	y
44	Unk	PCB-169	1.00	5.33e+05	1.22	y	46:43	-	1.10	y
45	IS	13C-PCB-169	100.00	4.85e+07	1.27	y	46:43	-	1.15	y
46	Unk	PCB-188	1.00	5.25e+05	1.11	y	39:41	-	1.13	y
47	IS	13C-PCB-188	100.00	4.66e+07	1.07	y	39:40	-	1.10	y
48	Unk	PCB-189	1.00	4.29e+05	1.08	y	48:23	-	1.08	y
49	IS	13C-PCB-189	100.00	3.99e+07	1.06	y	48:23	-	0.944	y
50	Unk	PCB-202	1.00	4.51e+05	0.85	y	44:48	-	1.09	y
51	IS	13C-PCB-202	100.00	4.14e+07	0.91	y	44:46	-	0.981	y
52	C/Up	13C-PCB-178	100.00	3.37e+07	1.07	y	42:18	-	0.797	y
53	RS	13C-PCB-138	100.00	4.22e+07	1.29	y	41:30	4.22e+05	-	n

54	Unk	PCB-205	1.00	4.80e+05	0.86	y	50:04	-	1.13	y	
55	IS	13C-PCB-205	100.00	4.24e+07	0.90	y	50:02	-	1.28	y	
56	Unk	PCB-208	1.00	4.59e+05	1.27	y	49:07	-	1.03	y	
57	IS	13C-PCB-208	100.00	4.45e+07	0.80	y	49:07	-	1.34	y	
58	Unk	PCB-206	1.00	3.28e+05	1.34	y	51:14	-	1.09	y	
59	IS	13C-PCB-206	100.00	3.00e+07	0.80	y	51:14	-	0.907	y	
60	Unk	PCB-209	1.00	4.02e+05	1.07	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.64e+07	1.20	y	52:25	-	1.10	y	
62	RS	13C-PCB-194	100.00	3.31e+07	0.91	y	49:47	3.31e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #3 Filename 22JUL20Z S: 3 Acquired: 22-JUL-20 10:00:51 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z2 Analyte: FAL ID: 1668 CS299 R170213B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	5.00	4.71e+06	3.12	y	14:32	-	1.18	y
2	IS/RT	13C-PCB-1	100.00	8.00e+07	3.21	y	14:31	-	0.903	y
3	Unk	PCB-3	5.00	5.01e+06	3.05	y	16:57	-	1.21	y
4	IS/RT	13C-PCB-3	100.00	8.27e+07	3.23	y	16:56	-	0.934	y
5	Unk	PCB-4	5.00	3.26e+06	1.38	y	18:12	-	1.12	y
6	IS/RT	13C-PCB-4	100.00	5.84e+07	1.58	y	18:11	-	0.659	y
7	Unk	PCB-15	5.00	5.08e+06	1.41	y	23:43	-	1.10	y
8	IS/RT	13C-PCB-15	100.00	9.25e+07	1.59	y	23:41	-	1.04	y
9	Unk	PCB-19	5.00	2.61e+06	1.06	y	22:05	-	1.21	y
10	IS/RT	13C-PCB-19	100.00	4.33e+07	1.09	y	22:04	-	0.489	y
11	RS	13C-PCB-9	100.00	8.86e+07	1.57	y	19:51	8.86e+05	-	n
12	Unk	PCB-37	5.00	4.07e+06	1.06	y	30:19	-	1.13	y
13	IS	13C-PCB-37	100.00	7.21e+07	1.07	y	30:18	-	1.56	y
14	Unk	PCB-54	5.00	3.37e+06	0.76	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.70e+07	0.80	y	25:35	-	1.23	y
16	Unk	PCB-104	5.00	2.62e+06	1.49	y	30:02	-	1.16	y
17	IS	13C-PCB-104	100.00	4.53e+07	1.58	y	30:00	-	0.976	y
18	C/Up	13C-PCB-28	100.00	7.91e+07	1.06	y	26:39	-	1.71	y
19	RS	13C-PCB-52	100.00	4.63e+07	0.79	y	28:55	4.63e+05	-	n
20	Unk	PCB-81	5.00	3.55e+06	0.78	y	36:06	-	1.16	y
21	IS	13C-PCB-81	100.00	6.12e+07	0.80	y	36:04	-	1.53	y
22	Unk	PCB-77	5.00	3.56e+06	0.80	y	36:38	-	1.12	y
23	IS/RT	13C-PCB-77	100.00	6.35e+07	0.80	y	36:37	-	1.59	y
24	Unk	PCB-155	5.00	2.52e+06	1.26	y	34:12	-	1.14	y
25	IS	13C-PCB-155	100.00	4.43e+07	1.36	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	5.19e+07	1.62	y	36:14	-	1.30	y
27	RS	13C-PCB-101	100.00	3.99e+07	1.67	y	34:36	3.99e+05	-	n
28	Unk	PCB-123	5.00	2.84e+06	1.54	y	38:17	-	1.08	y
29	IS	13C-PCB-123	100.00	5.24e+07	1.61	y	38:17	-	1.30	y
30	Unk	PCB-118	5.00	3.05e+06	1.53	y	38:29	-	1.15	y
31	IS	13C-PCB-118	100.00	5.32e+07	1.63	y	38:27	-	1.32	y
32	Unk	PCB-114	5.00	2.89e+06	1.60	y	39:05	-	1.16	y
33	IS	13C-PCB-114	100.00	5.00e+07	1.63	y	39:03	-	1.24	y
34	Unk	PCB-105	5.00	2.82e+06	1.48	y	39:54	-	1.10	y
35	IS	13C-PCB-105	100.00	5.15e+07	1.63	y	39:53	-	1.28	y
36	Unk	PCB-126	5.00	2.74e+06	1.60	y	41:59	-	1.10	y
37	IS	13C-PCB-126	100.00	5.00e+07	1.62	y	41:59	-	1.24	y
38	Unk	PCB-167	5.00	2.74e+06	1.23	y	43:23	-	1.12	y
39	IS	13C-PCB-167	100.00	4.89e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	5.00	2.60e+06	1.21	y	44:36	-	1.14	y
41	IS	13C-PCB-156	100.00	4.55e+07	1.27	y	44:36	-	1.13	y
42	Unk	PCB-157	5.00	2.59e+06	1.22	y	44:50	-	1.11	y
43	IS	13C-PCB-157	100.00	4.69e+07	1.27	y	44:50	-	1.16	y
44	Unk	PCB-169	5.00	2.43e+06	1.20	y	46:42	-	1.09	y
45	IS	13C-PCB-169	100.00	4.45e+07	1.28	y	46:42	-	1.10	y
46	Unk	PCB-188	5.00	2.62e+06	1.05	y	39:41	-	1.15	y
47	IS	13C-PCB-188	100.00	4.57e+07	1.07	y	39:39	-	1.13	y
48	Unk	PCB-189	5.00	2.05e+06	1.03	y	48:23	-	1.09	y
49	IS	13C-PCB-189	100.00	3.75e+07	1.07	y	48:23	-	0.929	y
50	Unk	PCB-202	5.00	1.97e+06	0.95	y	44:47	-	1.03	y
51	IS	13C-PCB-202	100.00	3.81e+07	0.90	y	44:46	-	0.944	y
52	C/Up	13C-PCB-178	100.00	3.17e+07	1.06	y	42:17	-	0.784	y
53	RS	13C-PCB-138	100.00	4.04e+07	1.27	y	41:30	4.04e+05	-	n

54	Unk	PCB-205	5.00	2.15e+06	0.89	y	50:03	-	1.12	y	
55	IS	13C-PCB-205	100.00	3.85e+07	0.91	y	50:02	-	1.25	y	
56	Unk	PCB-208	5.00	2.16e+06	1.40	y	49:08	-	1.04	y	
57	IS	13C-PCB-208	100.00	4.14e+07	0.79	y	49:07	-	1.34	y	
58	Unk	PCB-206	5.00	1.47e+06	1.38	y	51:14	-	1.07	y	
59	IS	13C-PCB-206	100.00	2.75e+07	0.78	y	51:14	-	0.892	y	
60	Unk	PCB-209	5.00	2.00e+06	1.15	y	52:24	-	1.17	y	
61	IS	13C-PCB-209	100.00	3.44e+07	1.20	y	52:24	-	1.11	y	
62	RS	13C-PCB-194	100.00	3.08e+07	0.91	y	49:46	3.08e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #4 Filename 22JUL20Z S: 4 Acquired: 22-JUL-20 10:59:13 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z3 Analyte: FAL ID: 1668 CS399 R190905A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	50.00	4.01e+07	3.17	y	14:32	-	1.15	y
2	IS/RT	13C-PCB-1	100.00	6.96e+07	3.19	y	14:31	-	0.898	y
3	Unk	PCB-3	50.00	4.19e+07	3.20	y	16:57	-	1.17	y
4	IS/RT	13C-PCB-3	100.00	7.16e+07	3.23	y	16:56	-	0.923	y
5	Unk	PCB-4	50.00	2.64e+07	1.52	y	18:12	-	1.03	y
6	IS/RT	13C-PCB-4	100.00	5.11e+07	1.56	y	18:11	-	0.659	y
7	Unk	PCB-15	50.00	4.24e+07	1.52	y	23:42	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.28e+07	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	50.00	2.28e+07	1.06	y	22:05	-	1.15	y
10	IS/RT	13C-PCB-19	100.00	3.94e+07	1.08	y	22:03	-	0.509	y
11	RS	13C-PCB-9	100.00	7.75e+07	1.61	y	19:51	7.75e+05	-	n
12	Unk	PCB-37	50.00	3.56e+07	1.06	y	30:20	-	1.06	y
13	IS	13C-PCB-37	100.00	6.71e+07	1.06	y	30:18	-	1.68	y
14	Unk	PCB-54	50.00	3.03e+07	0.78	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.15e+07	0.80	y	25:35	-	1.29	y
16	Unk	PCB-104	50.00	2.24e+07	1.55	y	30:02	-	1.09	y
17	IS	13C-PCB-104	100.00	4.09e+07	1.59	y	30:01	-	1.02	y
18	C/Up	13C-PCB-28	100.00	7.00e+07	1.04	y	26:38	-	1.75	y
19	RS	13C-PCB-52	100.00	4.00e+07	0.78	y	28:55	4.00e+05	-	n
20	Unk	PCB-81	50.00	3.00e+07	0.76	y	36:06	-	1.10	y
21	IS	13C-PCB-81	100.00	5.48e+07	0.79	y	36:04	-	1.52	y
22	Unk	PCB-77	50.00	2.97e+07	0.79	y	36:39	-	1.07	y
23	IS/RT	13C-PCB-77	100.00	5.55e+07	0.80	y	36:37	-	1.54	y
24	Unk	PCB-155	50.00	2.24e+07	1.28	y	34:11	-	1.09	y
25	IS	13C-PCB-155	100.00	4.10e+07	1.33	y	34:09	-	1.13	y
26	C/Up	13C-PCB-111	100.00	4.57e+07	1.61	y	36:13	-	1.26	y
27	RS	13C-PCB-101	100.00	3.62e+07	1.64	y	34:36	3.62e+05	-	n
28	Unk	PCB-123	50.00	2.48e+07	1.58	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.53e+07	1.59	y	38:16	-	1.25	y
30	Unk	PCB-118	50.00	2.61e+07	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	4.88e+07	1.60	y	38:25	-	1.35	y
32	Unk	PCB-114	50.00	2.50e+07	1.59	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.62e+07	1.60	y	39:03	-	1.28	y
34	Unk	PCB-105	50.00	2.41e+07	1.58	y	39:53	-	1.07	y
35	IS	13C-PCB-105	100.00	4.51e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	50.00	2.21e+07	1.55	y	41:59	-	1.08	y
37	IS	13C-PCB-126	100.00	4.08e+07	1.62	y	41:58	-	1.13	y
38	Unk	PCB-167	50.00	2.29e+07	1.24	y	43:22	-	1.07	y
39	IS	13C-PCB-167	100.00	4.26e+07	1.29	y	43:22	-	1.18	y
40	Unk	PCB-156	50.00	2.29e+07	1.25	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.20e+07	1.27	y	44:34	-	1.16	y
42	Unk	PCB-157	50.00	2.26e+07	1.26	y	44:51	-	1.06	y
43	IS	13C-PCB-157	100.00	4.25e+07	1.27	y	44:49	-	1.17	y
44	Unk	PCB-169	50.00	2.20e+07	1.28	y	46:43	-	1.08	y
45	IS	13C-PCB-169	100.00	4.05e+07	1.27	y	46:43	-	1.12	y
46	Unk	PCB-188	50.00	2.17e+07	1.05	y	39:41	-	1.09	y
47	IS	13C-PCB-188	100.00	3.97e+07	1.08	y	39:40	-	1.10	y
48	Unk	PCB-189	50.00	1.83e+07	1.05	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.41e+07	1.07	y	48:23	-	0.941	y
50	Unk	PCB-202	50.00	1.80e+07	0.92	y	44:47	-	1.02	y
51	IS	13C-PCB-202	100.00	3.53e+07	0.91	y	44:46	-	0.975	y
52	C/Up	13C-PCB-178	100.00	2.76e+07	1.05	y	42:18	-	0.763	y
53	RS	13C-PCB-138	100.00	3.62e+07	1.29	y	41:30	3.62e+05	-	n

54	Unk	PCB-205	50.00	1.96e+07	0.90	y	50:02	-	1.07	y	
55	IS	13C-PCB-205	100.00	3.65e+07	0.88	y	50:02	-	1.29	y	
56	Unk	PCB-208	50.00	1.96e+07	1.36	y	49:07	-	0.998	y	
57	IS	13C-PCB-208	100.00	3.92e+07	0.80	y	49:07	-	1.39	y	
58	Unk	PCB-206	50.00	1.30e+07	1.33	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.51e+07	0.79	y	51:13	-	0.888	y	
60	Unk	PCB-209	50.00	1.70e+07	1.18	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.07e+07	1.22	y	52:25	-	1.09	y	
62	RS	13C-PCB-194	100.00	2.82e+07	0.90	y	49:47	2.82e+05	-	n	

Analyst: [illegible] Date: 7/28/21

Run #5 Filename 22JUL20Z S: 5 Acquired: 22-JUL-20 11:57:34 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z4 Analyte: FAL ID: 1668 CS499 R181022B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	400.00	3.43e+08	3.16	y	14:31	-	1.14	y
2	IS/RT	13C-PCB-1	100.00	7.50e+07	3.19	y	14:30	-	0.946	y
3	Unk	PCB-3	400.00	3.61e+08	3.17	y	16:56	-	1.19	y
4	IS/RT	13C-PCB-3	100.00	7.62e+07	3.23	y	16:55	-	0.962	y
5	Unk	PCB-4	400.00	2.26e+08	1.54	y	18:11	-	1.05	y
6	IS/RT	13C-PCB-4	100.00	5.37e+07	1.55	y	18:10	-	0.678	y
7	Unk	PCB-15	400.00	3.58e+08	1.54	y	23:41	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.76e+07	1.60	y	23:40	-	1.11	y
9	Unk	PCB-19	400.00	1.89e+08	1.05	y	22:04	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	4.09e+07	1.08	y	22:03	-	0.516	y
11	RS	13C-PCB-9	100.00	7.92e+07	1.59	y	19:50	7.92e+05	-	n
12	Unk	PCB-37	400.00	3.02e+08	1.07	y	30:20	-	1.12	y
13	IS	13C-PCB-37	100.00	6.75e+07	1.06	y	30:19	-	1.65	y
14	Unk	PCB-54	400.00	2.48e+08	0.77	y	25:35	-	1.17	y
15	IS/RT	13C-PCB-54	100.00	5.30e+07	0.80	y	25:34	-	1.29	y
16	Unk	PCB-104	400.00	1.90e+08	1.57	y	30:02	-	1.12	y
17	IS	13C-PCB-104	100.00	4.26e+07	1.59	y	30:01	-	1.04	y
18	C/Up	13C-PCB-28	100.00	6.89e+07	1.07	y	26:39	-	1.68	y
19	RS	13C-PCB-52	100.00	4.10e+07	0.78	y	28:55	4.10e+05	-	n
20	Unk	PCB-81	400.00	2.61e+08	0.78	y	36:05	-	1.13	y
21	IS	13C-PCB-81	100.00	5.80e+07	0.79	y	36:05	-	1.58	y
22	Unk	PCB-77	400.00	2.59e+08	0.77	y	36:39	-	1.08	y
23	IS/RT	13C-PCB-77	100.00	6.00e+07	0.80	y	36:38	-	1.63	y
24	Unk	PCB-155	400.00	1.80e+08	1.31	y	34:12	-	1.12	y
25	IS	13C-PCB-155	100.00	4.01e+07	1.35	y	34:10	-	1.09	y
26	C/Up	13C-PCB-111	100.00	4.71e+07	1.61	y	36:13	-	1.28	y
27	RS	13C-PCB-101	100.00	3.68e+07	1.68	y	34:36	3.68e+05	-	n
28	Unk	PCB-123	400.00	2.09e+08	1.57	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.81e+07	1.59	y	38:16	-	1.35	y
30	Unk	PCB-118	400.00	2.18e+08	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	5.08e+07	1.61	y	38:27	-	1.42	y
32	Unk	PCB-114	400.00	2.10e+08	1.55	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.84e+07	1.59	y	39:04	-	1.36	y
34	Unk	PCB-105	400.00	1.89e+08	1.59	y	39:53	-	1.06	y
35	IS	13C-PCB-105	100.00	4.46e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	400.00	1.98e+08	1.58	y	41:60	-	1.09	y
37	IS	13C-PCB-126	100.00	4.52e+07	1.60	y	41:60	-	1.27	y
38	Unk	PCB-167	400.00	1.94e+08	1.22	y	43:22	-	1.06	y
39	IS	13C-PCB-167	100.00	4.56e+07	1.26	y	43:22	-	1.28	y
40	Unk	PCB-156	400.00	1.95e+08	1.22	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.48e+07	1.27	y	44:34	-	1.26	y
42	Unk	PCB-157	400.00	1.92e+08	1.26	y	44:51	-	1.05	y
43	IS	13C-PCB-157	100.00	4.56e+07	1.27	y	44:49	-	1.28	y
44	Unk	PCB-169	400.00	1.85e+08	1.24	y	46:43	-	1.05	y
45	IS	13C-PCB-169	100.00	4.40e+07	1.25	y	46:43	-	1.23	y
46	Unk	PCB-188	400.00	1.81e+08	1.05	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	4.08e+07	1.07	y	39:40	-	1.14	y
48	Unk	PCB-189	400.00	1.52e+08	1.06	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.54e+07	1.06	y	48:23	-	0.991	y
50	Unk	PCB-202	400.00	1.40e+08	0.93	y	44:48	-	0.986	y
51	IS	13C-PCB-202	100.00	3.56e+07	0.91	y	44:46	-	0.996	y
52	C/Up	13C-PCB-178	100.00	2.84e+07	1.06	y	42:18	-	0.794	y
53	RS	13C-PCB-138	100.00	3.57e+07	1.29	y	41:30	3.57e+05	-	n

54	Unk	PCB-205	400.00	1.64e+08	0.88	y	50:02	-	1.06	y	
55	IS	13C-PCB-205	100.00	3.87e+07	0.89	y	50:02	-	1.35	y	
56	Unk	PCB-208	400.00	1.59e+08	1.33	y	49:07	-	0.989	y	
57	IS	13C-PCB-208	100.00	4.02e+07	0.81	y	49:07	-	1.40	y	
58	Unk	PCB-206	400.00	1.14e+08	1.34	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.74e+07	0.80	y	51:13	-	0.954	y	
60	Unk	PCB-209	400.00	1.47e+08	1.18	y	52:25	-	1.12	y	
61	IS	13C-PCB-209	100.00	3.29e+07	1.19	y	52:23	-	1.15	y	
62	RS	13C-PCB-194	100.00	2.87e+07	0.90	y	49:47	2.87e+05	-	n	

Analyst: [illegible] Date: 7/28/20

Run #6 Filename 22JUL20Z S: 6 Acquired: 22-JUL-20 12:55:55 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z5 Analyte: 1668PCBFAL4-7-22-20 FAL ID: 1668 CS599 R130426C

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	2000.00	2.88e+09	3.17	y	14:30	-	1.17	y
2	IS/RT	13C-PCB-1	100.00	1.23e+08	3.18	y	14:29	-	0.884	y
3	Unk	PCB-3	2000.00	3.04e+09	3.14	y	16:56	-	1.15	y
4	IS/RT	13C-PCB-3	100.00	1.32e+08	3.18	y	16:55	-	0.951	y
5	Unk	PCB-4	2000.00	1.89e+09	1.53	y	18:12	-	1.02	y
6	IS/RT	13C-PCB-4	100.00	9.25e+07	1.58	y	18:10	-	0.665	y
7	Unk	PCB-15	2000.00	3.23e+09	1.54	y	23:43	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	1.58e+08	1.57	y	23:41	-	1.14	y
9	Unk	PCB-19	2000.00	1.62e+09	1.05	y	22:05	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	7.00e+07	1.07	y	22:04	-	0.503	y
11	RS	13C-PCB-9	100.00	1.39e+08	1.59	y	19:51	1.39e+06	-	n
12	Unk	PCB-37	2000.00	2.63e+09	1.06	y	30:21	-	1.12	y
13	IS	13C-PCB-37	100.00	1.17e+08	1.06	y	30:19	-	1.55	y
14	Unk	PCB-54	2000.00	2.07e+09	0.77	y	25:38	-	1.11	y
15	IS/RT	13C-PCB-54	100.00	9.34e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	2000.00	1.56e+09	1.55	y	30:03	-	1.03	y
17	IS	13C-PCB-104	100.00	7.52e+07	1.59	y	30:02	-	0.995	y
18	C/Up	13C-PCB-28	100.00	1.24e+08	1.06	y	26:39	-	1.65	y
19	RS	13C-PCB-52	100.00	7.56e+07	0.80	y	28:56	7.56e+05	-	n
20	Unk	PCB-81	2000.00	2.34e+09	0.78	y	36:07	-	1.03	y
21	IS	13C-PCB-81	100.00	1.13e+08	0.79	y	36:06	-	1.73	y
22	Unk	PCB-77	2000.00	2.34e+09	0.79	y	36:40	-	1.01	y
23	IS/RT	13C-PCB-77	100.00	1.16e+08	0.78	y	36:38	-	1.77	y
24	Unk	PCB-155	2000.00	1.56e+09	1.29	y	34:13	-	1.08	y
25	IS	13C-PCB-155	100.00	7.27e+07	1.33	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	8.21e+07	1.60	y	36:14	-	1.25	y
27	RS	13C-PCB-101	100.00	6.56e+07	1.63	y	34:37	6.56e+05	-	n
28	Unk	PCB-123	2000.00	1.83e+09	1.59	y	38:19	-	1.07	y
29	IS	13C-PCB-123	100.00	8.57e+07	1.61	y	38:17	-	1.25	y
30	Unk	PCB-118	2000.00	1.95e+09	1.58	y	38:29	-	1.06	y
31	IS	13C-PCB-118	100.00	9.20e+07	1.61	y	38:27	-	1.35	y
32	Unk	PCB-114	2000.00	1.93e+09	1.58	y	39:06	-	1.09	y
33	IS	13C-PCB-114	100.00	8.84e+07	1.59	y	39:05	-	1.29	y
34	Unk	PCB-105	2000.00	1.88e+09	1.59	y	39:54	-	1.07	y
35	IS	13C-PCB-105	100.00	8.81e+07	1.59	y	39:53	-	1.29	y
36	Unk	PCB-126	2000.00	1.95e+09	1.59	y	42:01	-	1.03	y
37	IS	13C-PCB-126	100.00	9.45e+07	1.60	y	41:59	-	1.38	y
38	Unk	PCB-167	2000.00	1.86e+09	1.24	y	43:23	-	1.03	y
39	IS	13C-PCB-167	100.00	9.03e+07	1.28	y	43:22	-	1.32	y
40	Unk	PCB-156	2000.00	1.85e+09	1.24	y	44:37	-	1.07	y
41	IS	13C-PCB-156	100.00	8.66e+07	1.27	y	44:36	-	1.27	y
42	Unk	PCB-157	2000.00	1.90e+09	1.24	y	44:52	-	1.04	y
43	IS	13C-PCB-157	100.00	9.13e+07	1.27	y	44:51	-	1.34	y
44	Unk	PCB-169	2000.00	1.87e+09	1.24	y	46:44	-	1.02	y
45	IS	13C-PCB-169	100.00	9.21e+07	1.27	y	46:42	-	1.35	y
46	Unk	PCB-188	2000.00	1.59e+09	1.04	y	39:41	-	1.01	y
47	IS	13C-PCB-188	100.00	7.85e+07	1.05	y	39:41	-	1.15	y
48	Unk	PCB-189	2000.00	1.44e+09	1.05	y	48:25	-	0.936	y
49	IS	13C-PCB-189	100.00	7.71e+07	1.05	y	48:23	-	1.13	y
50	Unk	PCB-202	2000.00	1.22e+09	0.94	y	44:49	-	0.910	y
51	IS	13C-PCB-202	100.00	6.69e+07	0.91	y	44:47	-	0.980	y
52	C/Up	13C-PCB-178	100.00	5.50e+07	1.08	y	42:17	-	0.805	y
53	RS	13C-PCB-138	100.00	6.83e+07	1.28	y	41:31	6.83e+05	-	n

54	Unk	PCB-205	2000.00	1.56e+09	0.90	y	50:03	-	0.932	y	
55	IS	13C-PCB-205	100.00	8.39e+07	0.90	y	50:02	-	1.42	y	
56	Unk	PCB-208	2000.00	1.44e+09	1.35	y	49:08	-	0.901	y	
57	IS	13C-PCB-208	100.00	7.99e+07	0.80	y	49:07	-	1.35	y	
58	Unk	PCB-206	2000.00	1.07e+09	1.31	y	51:14	-	0.909	y	
59	IS	13C-PCB-206	100.00	5.90e+07	0.78	y	51:14	-	0.995	y	
60	Unk	PCB-209	2000.00	1.34e+09	1.20	y	52:24	-	0.951	y	
61	IS	13C-PCB-209	100.00	7.03e+07	1.20	y	52:24	-	1.19	y	
62	RS	13C-PCB-194	100.00	5.93e+07	0.88	y	49:46	5.93e+05	-	n	

Analyst: [illegible] Date: 7/28/26

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.17	2.66-3.60	y	47.6	37.5 - 62.5
PCB-3	M/M+2	3.20	2.66-3.60	y	47.5	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	45.3	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	46.9	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	47.7	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	46.4	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	49.7	37.5 - 62.5
PCB-77	M/M+2	0.79	0.65-0.89	y	48.6	37.5 - 62.5
PCB-81	M/M+2	0.76	0.65-0.89	y	48.4	37.5 - 62.5
PCB-104	M+2/M+4	1.55	1.32-1.78	y	49.0	37.5 - 62.5
PCB-105	M+2/M+4	1.58	1.32-1.78	y	48.5	37.5 - 62.5
PCB-114	M+2/M+4	1.59	1.32-1.78	y	47.9	37.5 - 62.5
PCB-118	M+2/M+4	1.58	1.32-1.78	y	47.8	37.5 - 62.5
PCB-123	M+2/M+4	1.58	1.32-1.78	y	49.3	37.5 - 62.5
PCB-126	M+2/M+4	1.55	1.32-1.78	y	49.9	37.5 - 62.5
PCB-155	M+2/M+4	1.28	1.05-1.43	y	48.2	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	48.4	37.5 - 62.5
PCB-157	M+2/M+4	1.26	1.05-1.43	y	49.2	37.5 - 62.5
PCB-167	M+2/M+4	1.24	1.05-1.43	y	48.4	37.5 - 62.5
PCB-169	M+2/M+4	1.28	1.05-1.43	y	50.3	37.5 - 62.5
PCB-188	M+2/M+4	1.05	0.89-1.21	y	49.8	37.5 - 62.5
PCB-189	M+2/M+4	1.05	0.89-1.21	y	50.2	37.5 - 62.5
PCB-202	M+2/M+4	0.92	0.76-1.02	y	49.5	37.5 - 62.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	49.5	37.5 - 62.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	49.9	37.5 - 62.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	49.5	37.5 - 62.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	49.1	37.5 - 62.5

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.19	2.66-3.60	y	99.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	99.3	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	98.2	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	101	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	95.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.5	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	100	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	97.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	98.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	99.5	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	97.6	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	91.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	103	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	97.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	96.7	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	95.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	97.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	97.5	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	102	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	98.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	98.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	101	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	99.4	75.0 - 125
13C-PCB-178	M+2/M+4	1.05	0.89-1.21	y	98.3	75.0 - 125

Analyst: _____ Date: 7/22/20

FAL ID: ST072220Z3 Filename: 22JUL20Z Sam:4 Acquired: 22-JUL-20 10:59:13 ICal: 1668PCBFAL4-7-22-20
Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.01e+07	3.17 y	14:32	1.21	47.6		2.50	-	-	*	-
13C-PCB-1	6.96e+07	3.19 y	14:31	0.90	99.9		2.50				99.9
PCB-3	4.19e+07	3.20 y	16:57	1.23	47.5		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.23 y	16:56	0.93	99.3		2.50				99.3
PCB-4	2.64e+07	1.52 y	18:12	1.14	45.3		2.50	-	-	*	-
13C-PCB-4	5.11e+07	1.56 y	18:11	0.66	100.0		2.50				100.0
PCB-15	4.24e+07	1.52 y	23:42	1.09	46.9		2.50	-	-	*	-
13C-PCB-15	8.28e+07	1.58 y	23:41	1.09	98.2		2.50				98.2
PCB-19	2.28e+07	1.06 y	22:05	1.21	47.7		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.08 y	22:03	0.50	101		2.50				101
13C-PCB-9	7.75e+07	1.61 y	19:51	-	76.0		2.50				
PCB-37	3.56e+07	1.06 y	30:20	1.14	46.4		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.06 y	30:18	1.64	102		2.50				102
PCB-54	3.03e+07	0.78 y	25:36	1.18	49.7		2.50	-	-	*	-
13C-PCB-54	5.15e+07	0.80 y	25:35	1.26	102		2.50				102
PCB-104	2.24e+07	1.55 y	30:02	1.12	49.0		2.50	-	-	*	-
13C-PCB-104	4.09e+07	1.59 y	30:01	1.02	100		2.50				100
13C-PCB-28	7.00e+07	1.04 y	26:38	1.73	101		2.50				101
13C-PCB-52	4.00e+07	0.78 y	28:55	-	75.3		2.50				
PCB-81	3.00e+07	0.76 y	36:06	1.13	48.4		2.50	-	-	*	-
13C-PCB-81	5.48e+07	0.79 y	36:04	1.57	96.5		2.50				96.5
PCB-77	2.97e+07	0.79 y	36:39	1.10	48.6		2.50	-	-	*	-
13C-PCB-77	5.55e+07	0.80 y	36:37	1.61	95.2		2.50				95.2
PCB-155	2.24e+07	1.28 y	34:11	1.13	48.2		2.50	-	-	*	-
13C-PCB-155	4.10e+07	1.33 y	34:09	1.10	103		2.50				103
13C-PCB-111	4.57e+07	1.61 y	36:13	1.27	99.4		2.50				99.4
13C-PCB-101	3.62e+07	1.64 y	34:36	-	75.9		2.50				
PCB-123	2.48e+07	1.58 y	38:17	1.11	49.3		2.50	-	-	*	-
13C-PCB-123	4.53e+07	1.59 y	38:16	1.28	97.6		2.50				97.6
PCB-118	2.61e+07	1.58 y	38:27	1.12	47.8		2.50	-	-	*	-
13C-PCB-118	4.88e+07	1.60 y	38:25	1.35	99.5		2.50				99.5
PCB-114	2.50e+07	1.59 y	39:05	1.13	47.9		2.50	-	-	*	-
13C-PCB-114	4.62e+07	1.60 y	39:03	1.29	98.6		2.50				98.6
PCB-105	2.41e+07	1.58 y	39:53	1.10	48.5		2.50	-	-	*	-
13C-PCB-105	4.51e+07	1.60 y	39:53	1.28	97.3		2.50				97.3
PCB-126	2.21e+07	1.55 y	41:59	1.08	49.9		2.50	-	-	*	-
13C-PCB-126	4.08e+07	1.62 y	41:58	1.23	91.5		2.50				91.5
PCB-167	2.29e+07	1.24 y	43:22	1.11	48.4		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.29 y	43:22	1.23	95.8		2.50				95.8
PCB-156	2.29e+07	1.25 y	44:36	1.13	48.4		2.50	-	-	*	-
13C-PCB-156	4.20e+07	1.27 y	44:34	1.19	97.6		2.50				97.6
PCB-157	2.26e+07	1.26 y	44:51	1.08	49.2		2.50	-	-	*	-
13C-PCB-157	4.25e+07	1.27 y	44:49	1.21	96.7		2.50				96.7
PCB-169	2.20e+07	1.28 y	46:43	1.08	50.3		2.50	-	-	*	-
13C-PCB-169	4.05e+07	1.27 y	46:43	1.17	95.7		2.50				95.7
PCB-188	2.17e+07	1.05 y	39:41	1.10	49.8		2.50	-	-	*	-
13C-PCB-188	3.97e+07	1.08 y	39:40	1.13	97.4		2.50				97.4
PCB-189	1.83e+07	1.05 y	48:23	1.07	50.2		2.50	-	-	*	-
13C-PCB-189	3.41e+07	1.07 y	48:23	0.97	97.5		2.50				97.5
PCB-202	1.80e+07	0.92 y	44:47	1.03	49.5		2.50	-	-	*	-
13C-PCB-202	3.53e+07	0.91 y	44:46	0.96	102		2.50				102
13C-PCB-178	2.76e+07	1.05 y	42:18	0.78	98.3		2.50				98.3
13C-PCB-138	3.62e+07	1.29 y	41:30	-	75.3		2.50				

Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

PCB-205	1.96e+07	0.90 y	50:02	1.09	49.5	2.50	-	-	*	-
13C-PCB-205	3.65e+07	0.88 y	50:02	1.32	98.2	2.50				98.2
PCB-208	1.96e+07	1.36 y	49:07	1.01	49.5	2.50	-	-	*	-
13C-PCB-208	3.92e+07	0.80 y	49:07	1.38	101	2.50				101
PCB-206	1.30e+07	1.33 y	51:14	1.04	49.9	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79 y	51:13	0.94	94.8	2.50				94.8
PCB-209	1.70e+07	1.18 y	52:25	1.13	49.1	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.22 y	52:25	1.10	98.6	2.50				98.6
13C-PCB-194	2.82e+07	0.90 y	49:47	-	74.1	2.50				

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	51.0	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	48.9	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	46.7	37.5 - 62.5
PCB-15	M/M+2	1.51	1.33-1.79	y	52.2	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	50.5	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	51.0	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.77	0.65-0.89	y	112	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	111	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	121	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	207	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	95.7	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.32	1.05-1.43	y	107	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	111	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	106	75.0 - 125
PCB-169	M+2/M+4	1.21	1.05-1.43	y	96.1	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	145	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	156	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	158	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	157	112.5 - 187.5
PCB-209	M+4/M+6	1.16	0.99-1.33	y	157	112.5 - 187.5

Analyst: [illegible] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.09	2.66-3.60	y	94.4	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	93.3	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	92.8	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	93.3	50.0 - 145
13C-PCB-19	M/M+2	1.11	0.88-1.20	y	94.6	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	98.1	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	105	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	104	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	97.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	90.1	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	93.6	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	95.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	93.1	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	88.6	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	91.2	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	94.2	50.0 - 145
13C-PCB-169	M+2/M+4	1.25	1.05-1.43	y	92.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	90.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	94.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.89	0.76-1.02	y	88.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	95.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	95.1	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	90.3	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	109	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	108	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	106	75.0 - 125

Analyst: [illegible] Date: 7/28/20

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.32e+07	3.23 y	14:31	1.21	51.0		2.50	-	-	*	-
13C-PCB-1	7.00e+07	3.09 y	14:30	0.90	94.4		2.50				94.4
PCB-3	4.31e+07	3.15 y	16:56	1.23	48.9		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.31 y	16:55	0.93	93.3		2.50				93.3
PCB-4	2.69e+07	1.47 y	18:11	1.14	46.7		2.50	-	-	*	-
13C-PCB-4	5.04e+07	1.60 y	18:09	0.66	92.8		2.50				92.8
PCB-15	4.76e+07	1.51 y	23:41	1.09	52.2		2.50	-	-	*	-
13C-PCB-15	8.36e+07	1.61 y	23:39	1.09	93.3		2.50				93.3
PCB-19	2.41e+07	1.06 y	22:04	1.21	50.5		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.11 y	22:02	0.50	94.6		2.50				94.6
13C-PCB-9	8.25e+07	1.59 y	19:49	-	80.8		2.50				
PCB-37	3.91e+07	1.05 y	30:19	1.14	51.0		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.04 y	30:17	1.64	102		2.50				102
PCB-54	6.21e+07	0.76 y	25:35	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.99e+07	0.80 y	25:34	1.26	98.1		2.50				98.1
PCB-104	4.76e+07	1.57 y	30:02	1.12	106		2.50	-	-	*	-
13C-PCB-104	4.03e+07	1.60 y	29:60	1.02	97.9		2.50				97.9
13C-PCB-28	7.60e+07	1.06 y	26:39	1.73	109		2.50				109
13C-PCB-52	4.03e+07	0.79 y	28:54	-	75.8		2.50				
PCB-81	7.19e+07	0.77 y	36:05	1.13	112		2.50	-	-	*	-
13C-PCB-81	5.66e+07	0.80 y	36:03	1.57	104		2.50				104
PCB-77	6.50e+07	0.79 y	36:39	1.10	100		2.50	-	-	*	-
13C-PCB-77	5.89e+07	0.80 y	36:38	1.61	105		2.50				105
PCB-155	4.14e+07	1.32 y	34:11	1.13	107		2.50	-	-	*	-
13C-PCB-155	3.40e+07	1.34 y	34:10	1.10	88.6		2.50				88.6
13C-PCB-111	4.76e+07	1.62 y	36:14	1.27	108		2.50				108
13C-PCB-101	3.48e+07	1.68 y	34:35	-	73.0		2.50				
PCB-123	5.02e+07	1.62 y	38:17	1.11	95.7		2.50	-	-	*	-
13C-PCB-123	4.73e+07	1.60 y	38:16	1.28	95.2		2.50				95.2
PCB-118	1.14e+08	1.55 y	38:29	1.12	207		2.50	-	-	*	-
13C-PCB-118	4.91e+07	1.59 y	38:26	1.35	93.6		2.50				93.6
PCB-114	6.17e+07	1.55 y	39:05	1.13	121		2.50	-	-	*	-
13C-PCB-114	4.52e+07	1.64 y	39:04	1.29	90.1		2.50				90.1
PCB-105	5.79e+07	1.58 y	39:53	1.10	111		2.50	-	-	*	-
13C-PCB-105	4.72e+07	1.57 y	39:51	1.28	95.0		2.50				95.0
PCB-126	5.35e+07	1.60 y	41:60	1.08	111		2.50	-	-	*	-
13C-PCB-126	4.44e+07	1.62 y	41:58	1.23	93.1		2.50				93.1
PCB-167	5.26e+07	1.26 y	43:22	1.11	106		2.50	-	-	*	-
13C-PCB-167	4.48e+07	1.27 y	43:20	1.23	94.2		2.50				94.2
PCB-156	5.38e+07	1.27 y	44:36	1.13	111		2.50	-	-	*	-
13C-PCB-156	4.32e+07	1.31 y	44:34	1.19	93.9		2.50				93.9
PCB-157	5.18e+07	1.26 y	44:51	1.08	112		2.50	-	-	*	-
13C-PCB-157	4.29e+07	1.29 y	44:49	1.21	91.2		2.50				91.2
PCB-169	4.35e+07	1.21 y	46:43	1.08	96.1		2.50	-	-	*	-
13C-PCB-169	4.20e+07	1.25 y	46:41	1.17	92.7		2.50				92.7
PCB-188	4.66e+07	1.05 y	39:40	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.94e+07	1.09 y	39:40	1.13	90.3		2.50				90.3
PCB-189	3.80e+07	1.04 y	48:23	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.55e+07	1.06 y	48:22	0.97	94.8		2.50				94.8
PCB-202	4.88e+07	0.93 y	44:46	1.03	145		2.50	-	-	*	-
13C-PCB-202	3.27e+07	0.89 y	44:46	0.96	88.3		2.50				88.3
13C-PCB-178	3.18e+07	1.07 y	42:16	0.78	106		2.50				106
13C-PCB-138	3.87e+07	1.27 y	41:30	-	80.6		2.50				

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.56e+07	0.88 y	50:02	1.09	156	2.50	-	-	*	-
13C-PCB-205	3.89e+07	0.91 y	50:01	1.32	95.6	2.50				95.6
PCB-208	6.35e+07	1.35 y	49:07	1.01	157	2.50	-	-	*	-
13C-PCB-208	4.03e+07	0.79 y	49:06	1.38	94.8	2.50				94.8
PCB-206	4.51e+07	1.35 y	51:14	1.04	158	2.50	-	-	*	-
13C-PCB-206	2.75e+07	0.80 y	51:13	0.94	95.1	2.50				95.1
PCB-209	5.44e+07	1.16 y	52:25	1.13	157	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.21 y	52:24	1.10	90.3	2.50				90.3
13C-PCB-194	3.09e+07	0.91 y	49:47	-	81.0	2.50				

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.16	2.66-3.60	y	49.5	37.5 - 62.5
PCB-3	M/M+2	3.12	2.66-3.60	y	47.0	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	49.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	53.7	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	52.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	57.6	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	95.9	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.53	1.32-1.78	y	100	75.0 - 125
PCB-105	M+2/M+4	1.62	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	118	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	211	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	103	75.0 - 125
PCB-126	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.23	1.05-1.43	y	105	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	106	75.0 - 125
PCB-167	M+2/M+4	1.22	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.05	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	152	112.5 - 187.5
PCB-205	M+2/M+4	0.89	0.76-1.02	y	153	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	154	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	153	112.5 - 187.5

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.23	2.66-3.60	y	97.5	50.0 - 145
13C-PCB-3	M/M+2	3.24	2.66-3.60	y	92.3	50.0 - 145
13C-PCB-4	M/M+2	1.55	1.33-1.79	y	96.1	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	91.9	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	92.8	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	70.8	50.0 - 145
13C-PCB-54	M/M+2	0.78	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	91.8	50.0 - 145
13C-PCB-81	M/M+2	0.78	0.65-0.89	y	90.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	78.6	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	83.7	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	83.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	80.7	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	82.7	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	86.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.26	1.05-1.43	y	91.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.26	1.05-1.43	y	91.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	92.2	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	96.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	96.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	90.6	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	95.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	97.2	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	98.4	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	98.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.03	0.88-1.20	y	84.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125

Analyst: [signature] Date: 7/28/20

FAL ID: SS072220Z1 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.37e+07	3.17 y	14:30	1.21	54.0		2.50	-	-	*	-
13C-PCB-1	6.68e+07	3.19 y	14:29	0.90	95.1		2.50				95.1
PCB-3	4.43e+07	3.15 y	16:56	1.23	52.1		2.50	-	-	*	-
13C-PCB-3	6.91e+07	3.23 y	16:55	0.93	95.0		2.50				95.0
PCB-4	2.66e+07	1.47 y	18:11	1.14	49.6		2.50	-	-	*	-
13C-PCB-4	4.70e+07	1.58 y	18:09	0.66	91.2		2.50				91.2
PCB-15	4.99e+07	1.50 y	23:41	1.09	57.7		2.50	-	-	*	-
13C-PCB-15	7.93e+07	1.58 y	23:40	1.09	93.3		2.50				93.3
PCB-19	2.44e+07	1.06 y	22:04	1.21	55.7		2.50	-	-	*	-
13C-PCB-19	3.61e+07	1.09 y	22:02	0.50	91.5		2.50				91.5
13C-PCB-9	7.82e+07	1.61 y	19:50	-	76.6		2.50				
PCB-37	3.95e+07	1.07 y	30:20	1.14	57.5		2.50	-	-	*	-
13C-PCB-37	6.00e+07	1.04 y	30:18	1.64	92.7		2.50				92.7
PCB-54	6.47e+07	0.77 y	25:35	1.18	115		2.50	-	-	*	-
13C-PCB-54	4.76e+07	0.79 y	25:34	1.26	95.6		2.50				95.6
PCB-104	4.98e+07	1.55 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	4.06e+07	1.59 y	30:01	1.02	101		2.50				101
13C-PCB-28	6.30e+07	1.03 y	26:38	1.73	92.1		2.50				92.1
13C-PCB-52	3.95e+07	0.79 y	28:55	-	74.3		2.50				
PCB-81	7.58e+07	0.78 y	36:04	1.13	121		2.50	-	-	*	-
13C-PCB-81	5.53e+07	0.80 y	36:03	1.57	92.4		2.50				92.4
PCB-77	6.74e+07	0.80 y	36:39	1.10	108		2.50	-	-	*	-
13C-PCB-77	5.67e+07	0.79 y	36:37	1.61	92.2		2.50				92.2
PCB-155	4.84e+07	1.30 y	34:11	1.13	110		2.50	-	-	*	-
13C-PCB-155	3.90e+07	1.31 y	34:09	1.10	92.5		2.50				92.5
13C-PCB-111	4.54e+07	1.60 y	36:15	1.27	93.7		2.50				93.7
13C-PCB-101	3.81e+07	1.64 y	34:36	-	80.1		2.50				
PCB-123	5.46e+07	1.60 y	38:17	1.11	111		2.50	-	-	*	-
13C-PCB-123	4.42e+07	1.58 y	38:16	1.28	90.7		2.50				90.7
PCB-118	1.19e+08	1.58 y	38:29	1.12	218		2.50	-	-	*	-
13C-PCB-118	4.87e+07	1.58 y	38:25	1.35	94.7		2.50				94.7
PCB-114	6.53e+07	1.58 y	39:05	1.13	122		2.50	-	-	*	-
13C-PCB-114	4.74e+07	1.58 y	39:03	1.29	96.5		2.50				96.5
PCB-105	6.07e+07	1.59 y	39:53	1.10	121		2.50	-	-	*	-
13C-PCB-105	4.55e+07	1.60 y	39:51	1.28	93.4		2.50				93.4
PCB-126	5.71e+07	1.62 y	41:59	1.08	122		2.50	-	-	*	-
13C-PCB-126	4.33e+07	1.64 y	41:58	1.23	92.4		2.50				92.4
PCB-167	5.16e+07	1.22 y	43:22	1.11	109		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.27 y	43:20	1.23	91.2		2.50				91.2
PCB-156	5.37e+07	1.23 y	44:36	1.13	113		2.50	-	-	*	-
13C-PCB-156	4.21e+07	1.25 y	44:34	1.19	93.3		2.50				93.3
PCB-157	5.42e+07	1.24 y	44:51	1.08	115		2.50	-	-	*	-
13C-PCB-157	4.38e+07	1.31 y	44:49	1.21	94.9		2.50				94.9
PCB-169	4.57e+07	1.22 y	46:43	1.08	105		2.50	-	-	*	-
13C-PCB-169	4.03e+07	1.27 y	46:43	1.17	90.7		2.50				90.7
PCB-188	4.93e+07	1.04 y	39:41	1.10	107		2.50	-	-	*	-
13C-PCB-188	4.18e+07	1.05 y	39:40	1.13	97.6		2.50				97.6
PCB-189	4.15e+07	1.05 y	48:23	1.07	112		2.50	-	-	*	-
13C-PCB-189	3.48e+07	1.07 y	48:23	0.97	94.7		2.50				94.7
PCB-202	5.50e+07	0.92 y	44:47	1.03	168		2.50	-	-	*	-
13C-PCB-202	3.17e+07	0.91 y	44:46	0.96	87.3		2.50				87.3
13C-PCB-178	3.01e+07	1.07 y	42:18	0.78	102		2.50				102
13C-PCB-138	3.80e+07	1.27 y	41:30	-	79.0		2.50				

Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.65e+07	0.90 y	50:02	1.09	166	2.50	-	-	*	-
13C-PCB-205	3.68e+07	0.90 y	50:02	1.32	93.3	2.50				93.3
PCB-208	6.52e+07	1.32 y	49:07	1.01	166	2.50	-	-	*	-
13C-PCB-208	3.91e+07	0.80 y	49:06	1.38	94.6	2.50				94.6
PCB-206	4.57e+07	1.34 y	51:14	1.04	167	2.50	-	-	*	-
13C-PCB-206	2.63e+07	0.78 y	51:13	0.94	93.5	2.50				93.5
PCB-209	5.61e+07	1.21 y	52:25	1.13	166	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.17 y	52:23	1.10	90.7	2.50				90.7
13C-PCB-194	3.00e+07	0.90 y	49:47	-	78.8	2.50				

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:22JUL20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

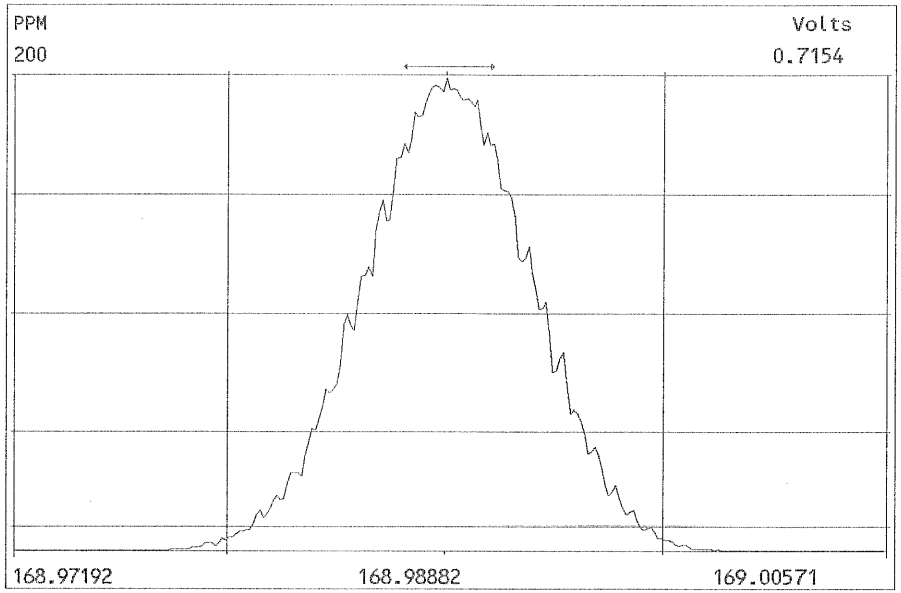
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399 R190905A	22-JUL-20 10:59:13	NA	NA	BS
22JUL20Z	5	ST072220Z4	1668 CS499 R181022B	22-JUL-20 11:57:34	NA	NA	BS
22JUL20Z	6	ST072220Z5	1668 CS599 R130426C	22-JUL-20 12:55:55	NA	NA	BS
22JUL20Z	7	SB072220Z1	Solvent Blank	22-JUL-20 13:54:16	NA	NA	BS
22JUL20Z	8	ST072220Z6	CS20998 200406A	22-JUL-20 14:52:38	ST072220Z6	ST072220Z7	BS
22JUL20Z	9	SS072220Z1	2nd Source 170815A	22-JUL-20 15:50:59	ST072220Z6	ST072220Z7	BS
22JUL20Z	10	05376-001-0001-OPR	OPR	22-JUL-20 16:49:21	ST072220Z6	ST072220Z7	BS
22JUL20Z	11	05387-001-0001-OPR	OPR	22-JUL-20 17:47:42	ST072220Z6	ST072220Z7	BS
22JUL20Z	12	05376-001-0001-MB	Method Blank	22-JUL-20 18:46:03	ST072220Z6	ST072220Z7	BS
22JUL20Z	13	05387-001-0001-MB	Method Blank	22-JUL-20 19:44:25	ST072220Z6	ST072220Z7	BS
22JUL20Z	14	13203-002-0001-SA	E-001-D	22-JUL-20 20:42:46	ST072220Z6	ST072220Z7	BS
22JUL20Z	15	13208-001-0001-SA	Effluent	22-JUL-20 21:41:07	ST072220Z6	ST072220Z7	BS
22JUL20Z	16	13209-002-0001-SA	E2007007C	22-JUL-20 22:39:30	ST072220Z6	ST072220Z7	BS
22JUL20Z	17	13211-001-0001-SA	202007100007	22-JUL-20 23:37:51	ST072220Z6	ST072220Z7	BS
22JUL20Z	18	13217-001-0001-SA	EFF-002	23-JUL-20 00:36:12	ST072220Z6	ST072220Z7	BS
22JUL20Z	19	SB072220Z2	Solvent Blank	23-JUL-20 01:34:34	ST072220Z6	ST072220Z7	BS
22JUL20Z	20	ST072220Z7	CS20999 200406A	23-JUL-20 02:32:55	ST072220Z6	ST072220Z7	BS

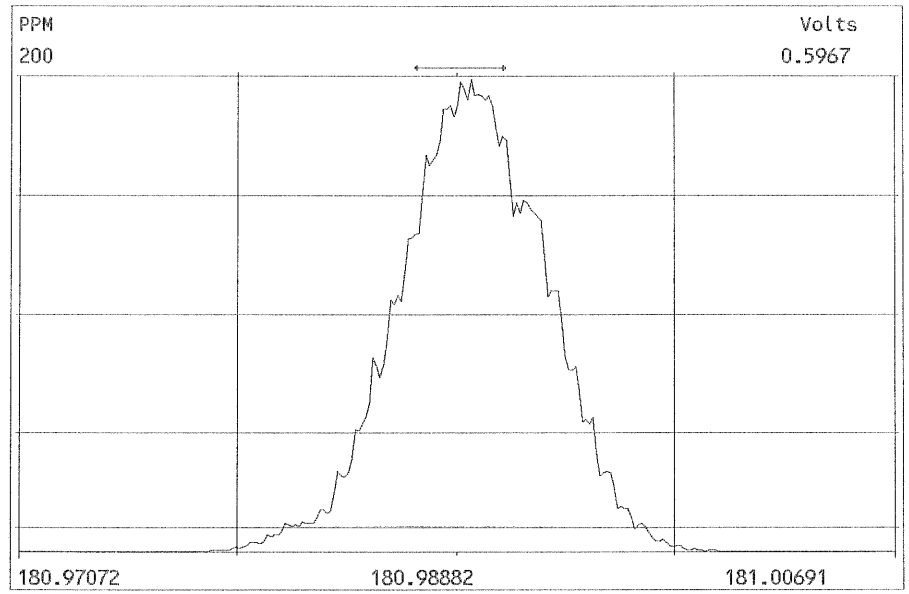
7/28/20

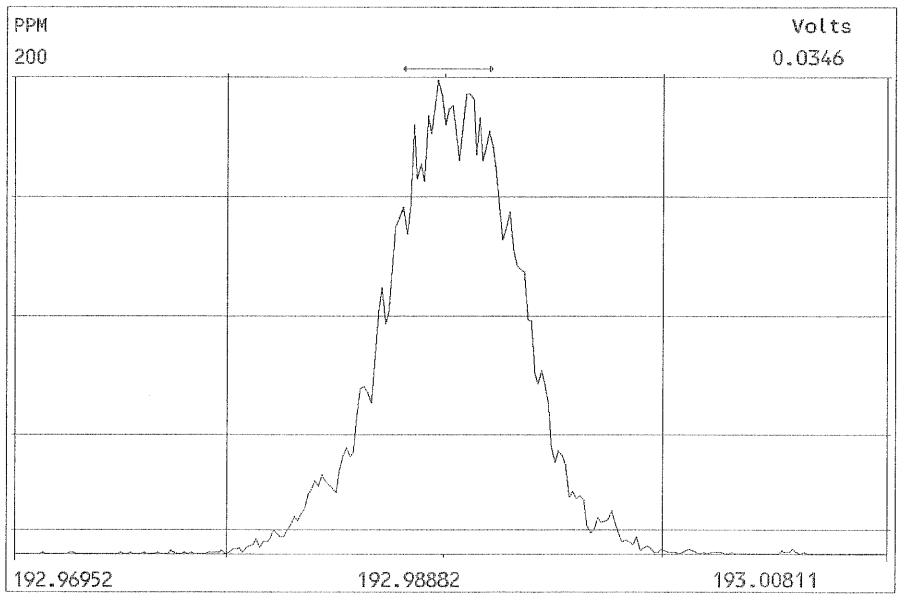
Data Backed Up:_____

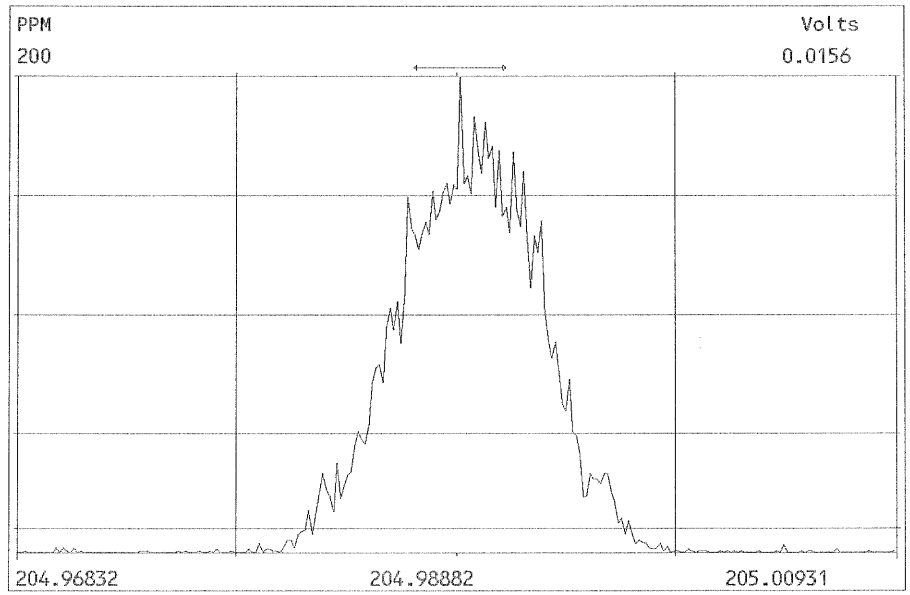
Date:_____

Peak Locate Examination:22-JUL-2020:08:00 File:22JUL20Z
Experiment:1668PCB Function:1 Reference:PFK 99

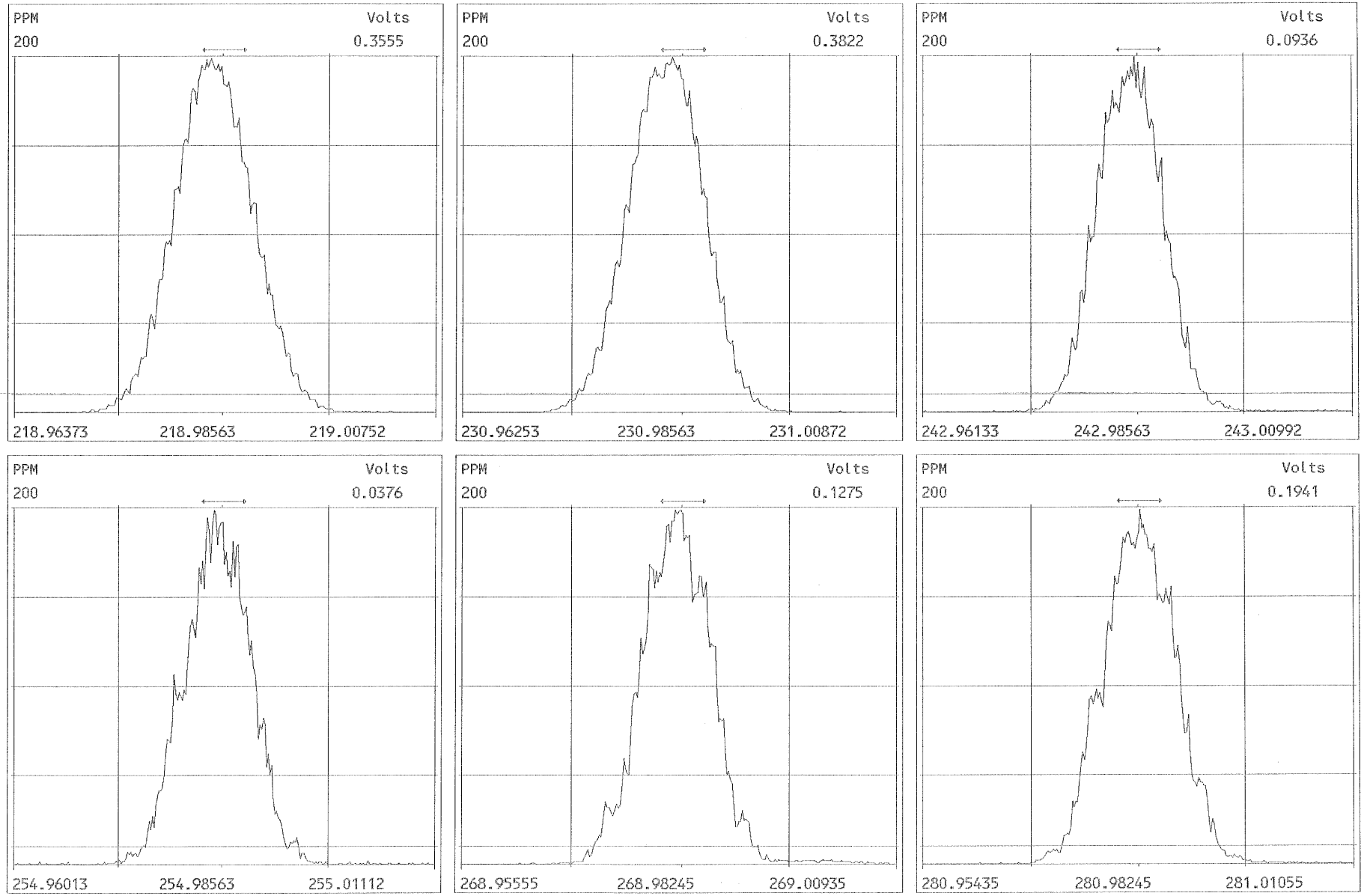




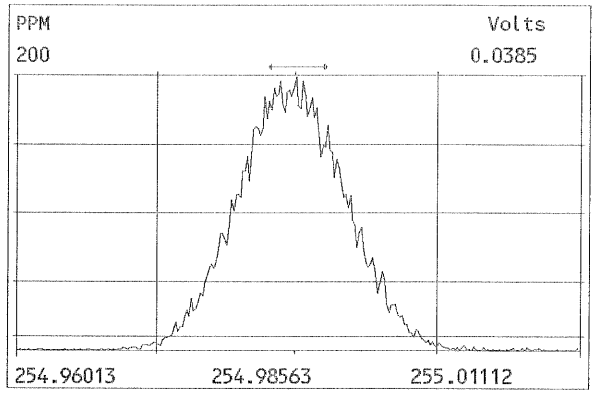


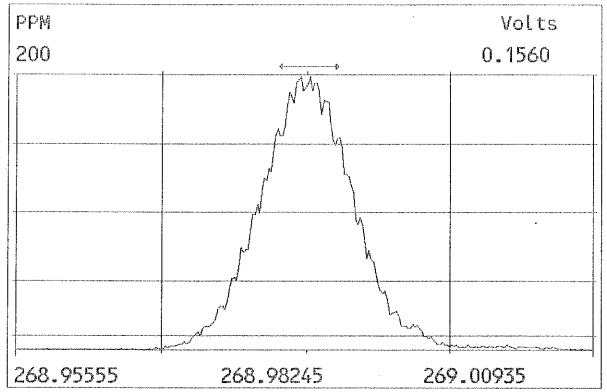


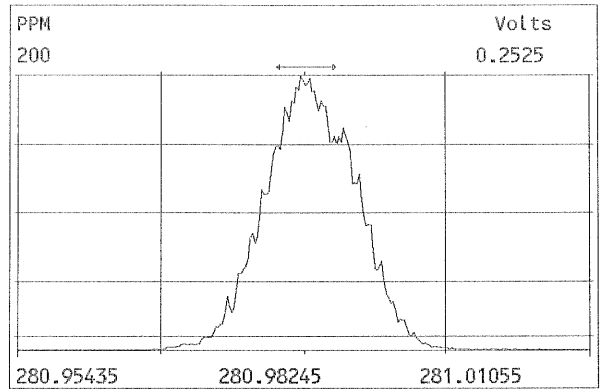
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

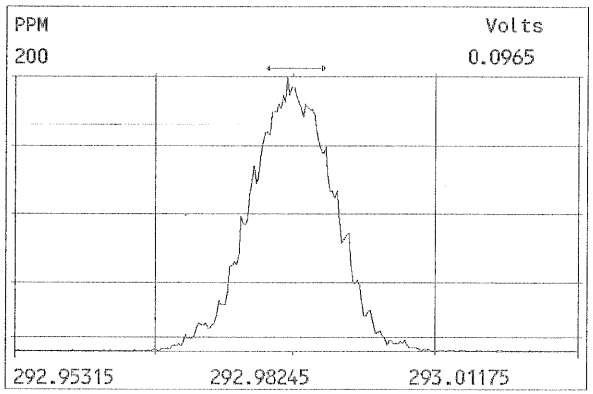


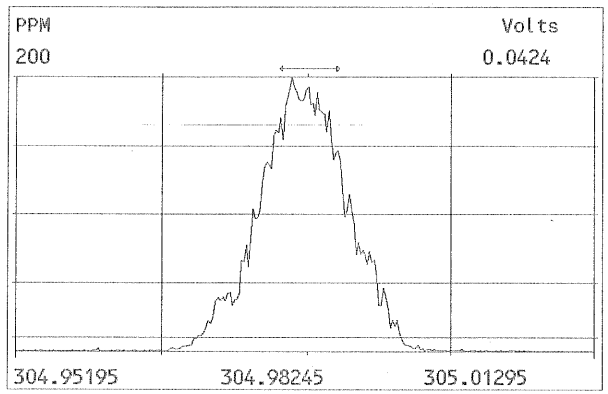
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

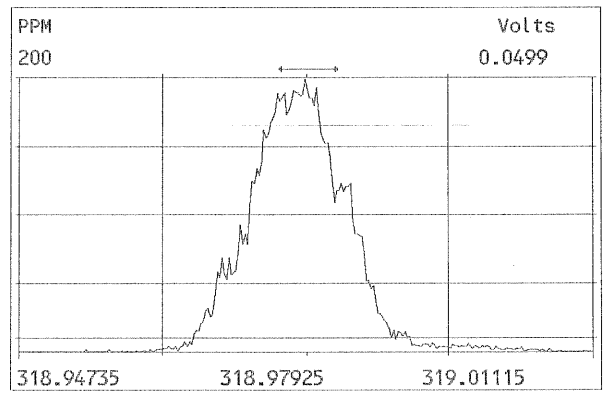


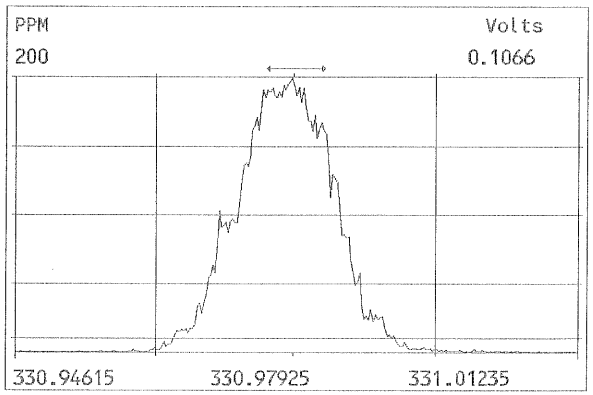


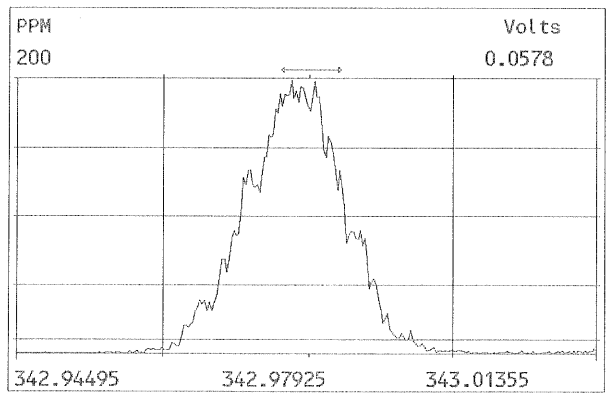




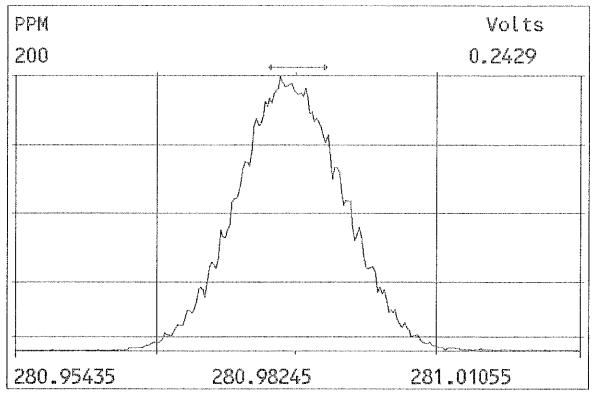


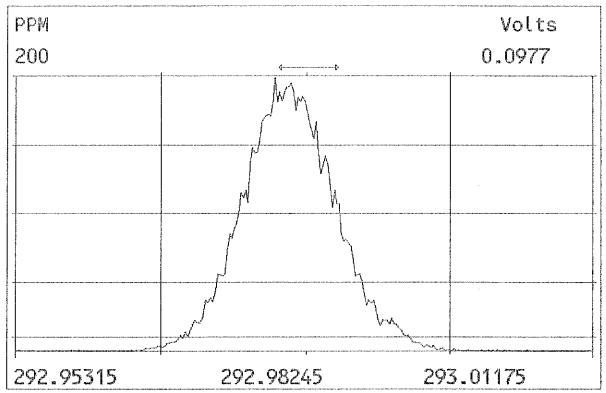


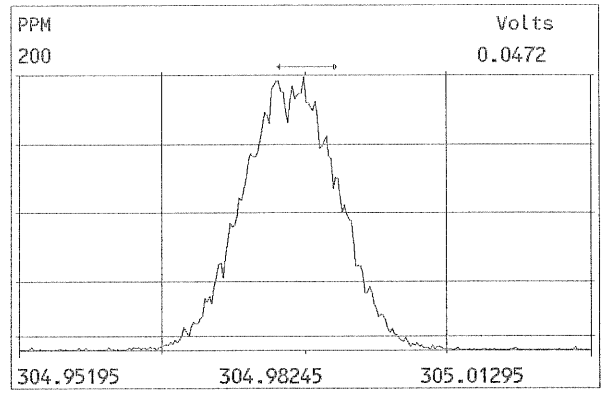


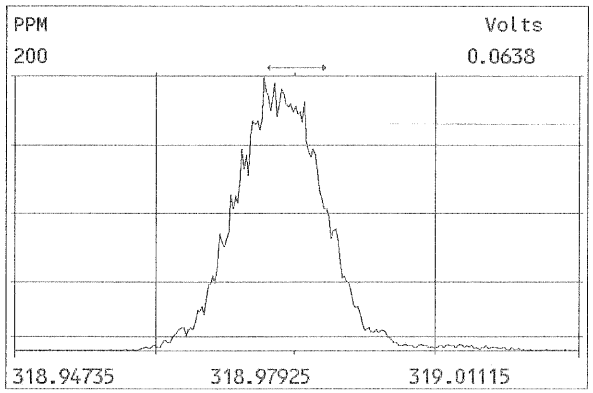


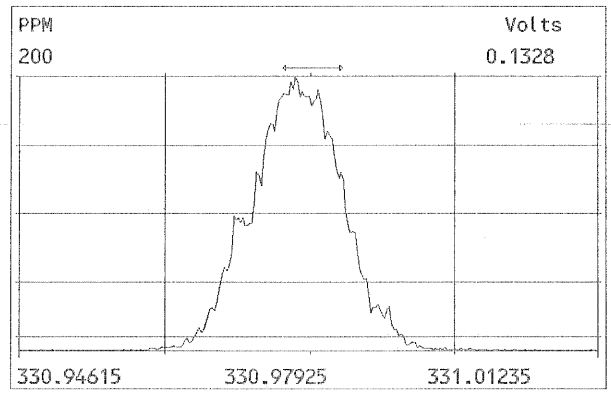
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

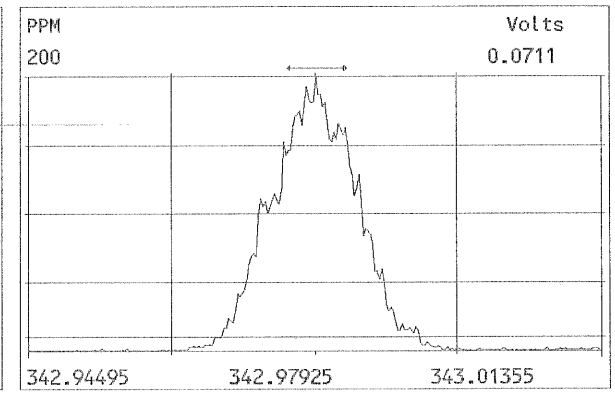


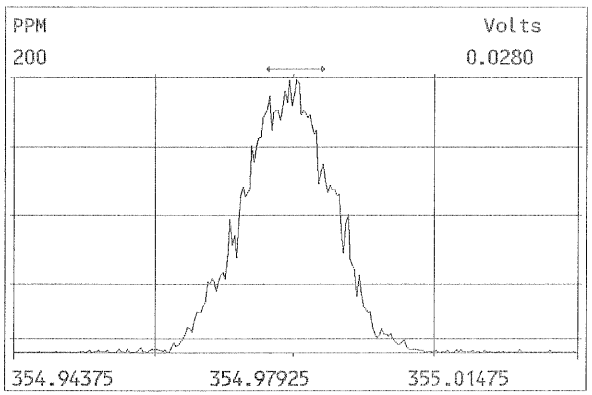


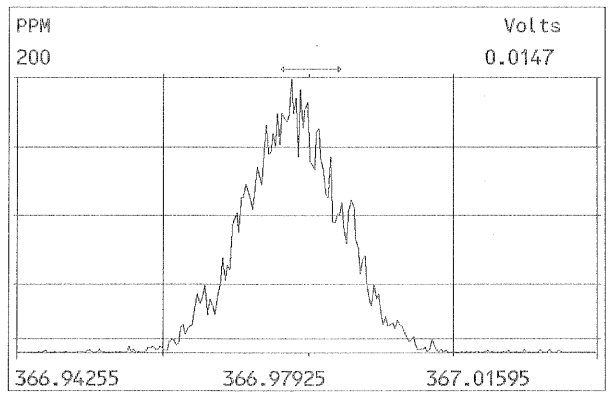


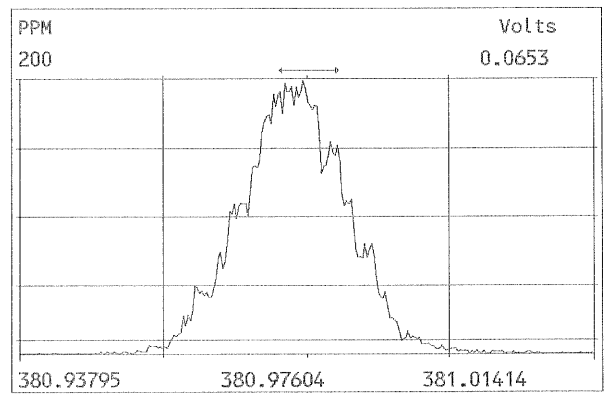




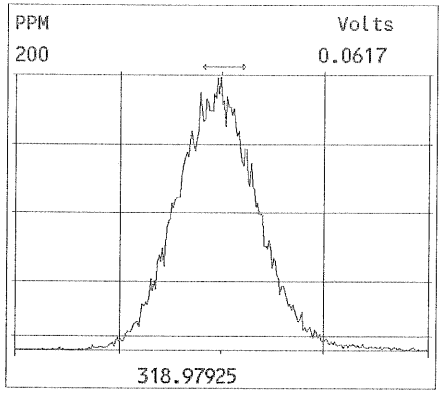


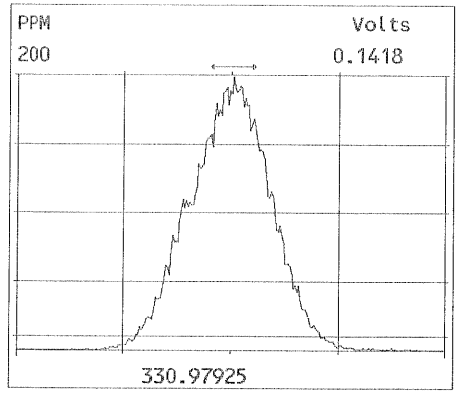


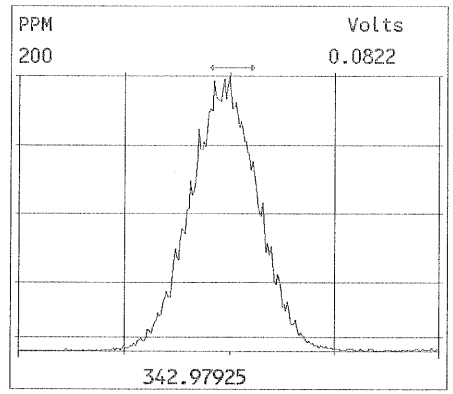


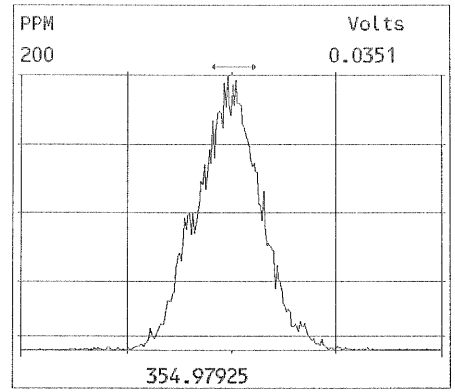


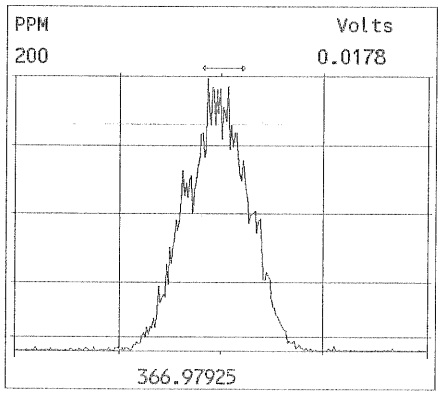
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

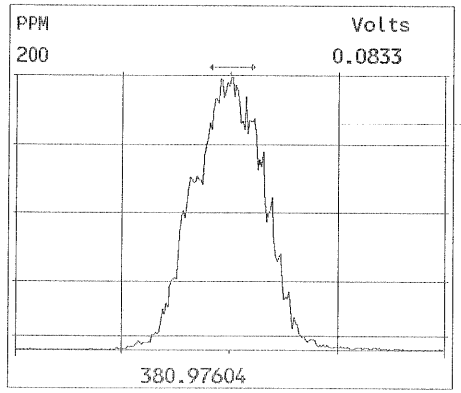


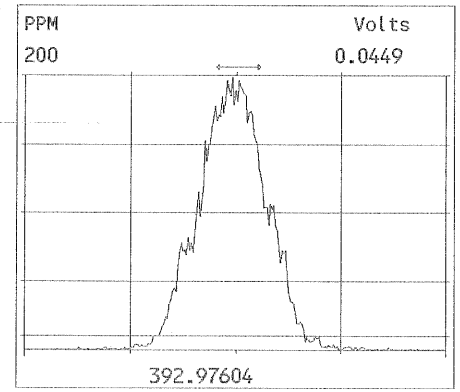


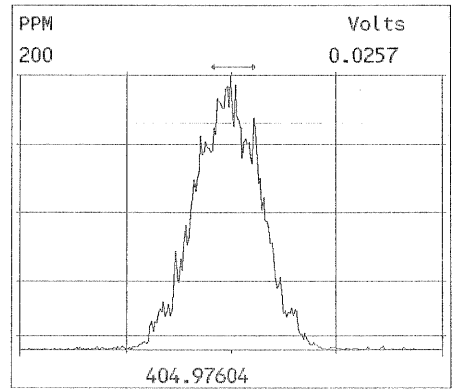


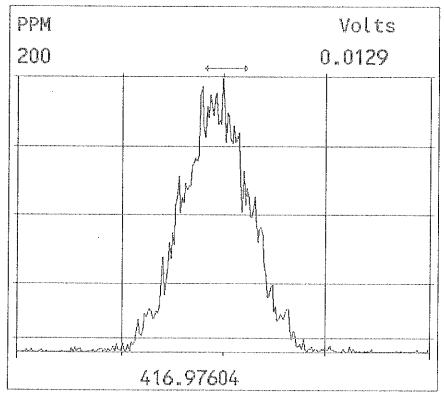


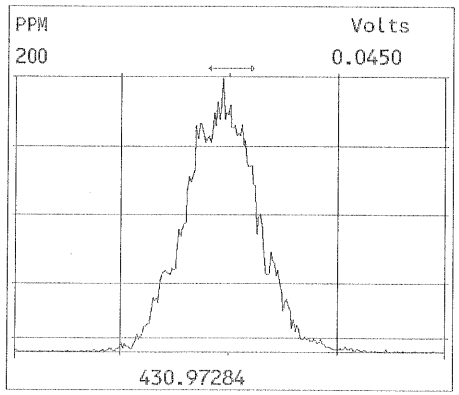


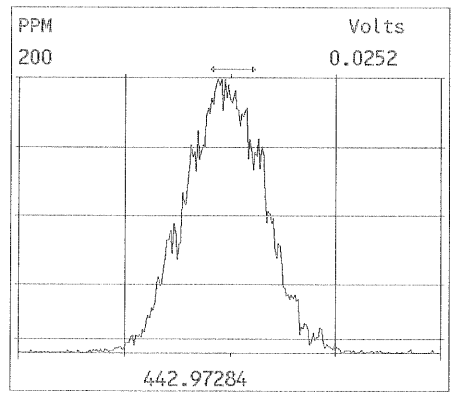




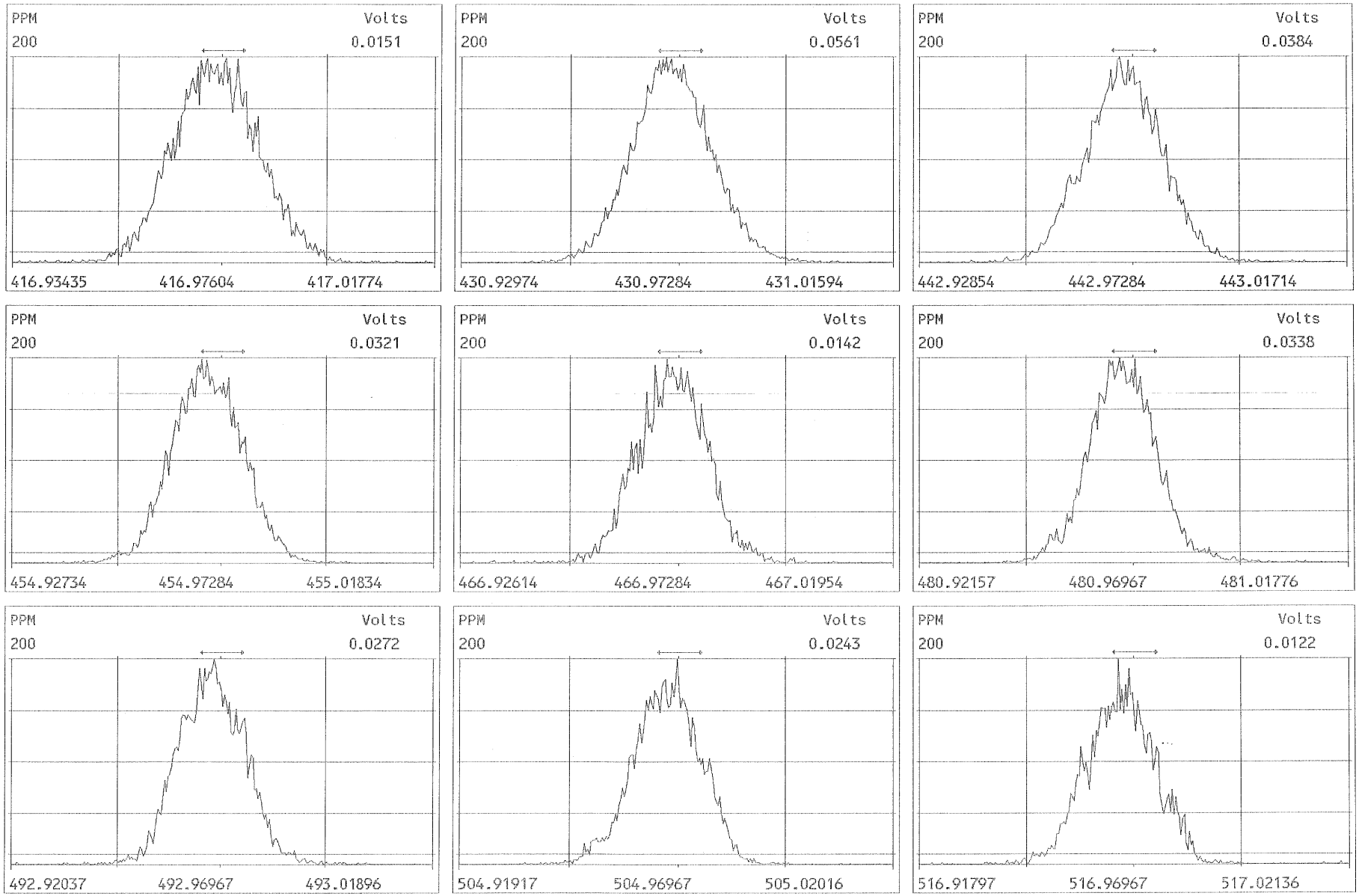




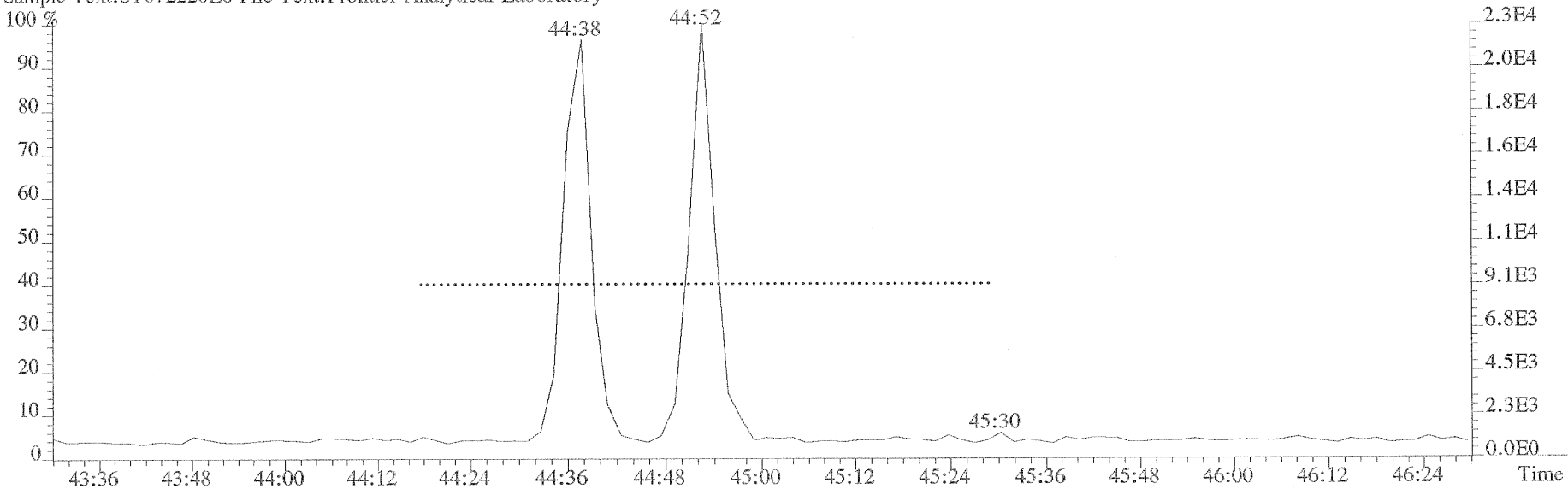




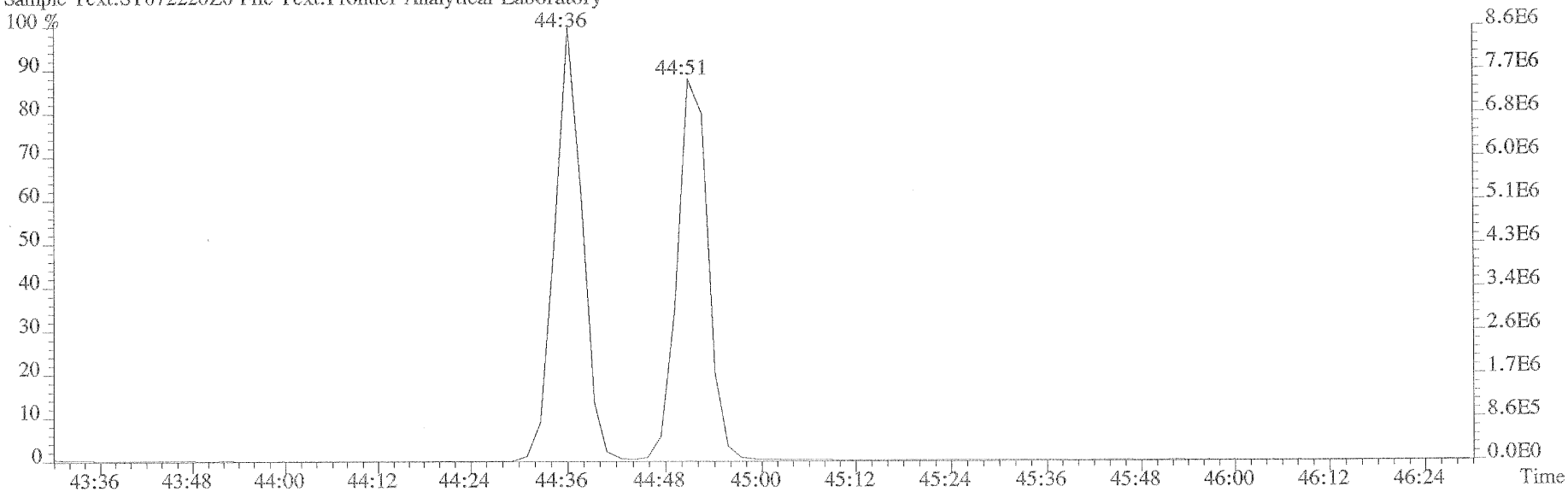
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99



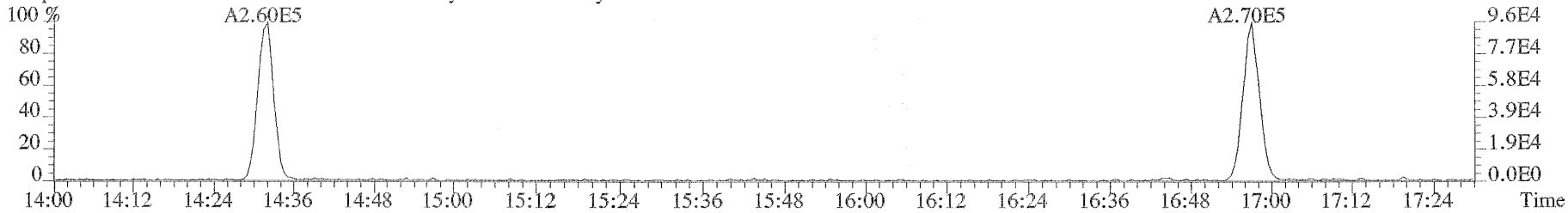
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



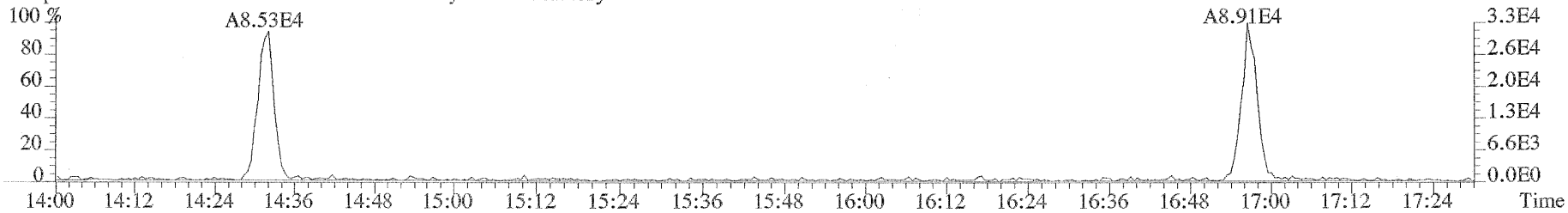
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



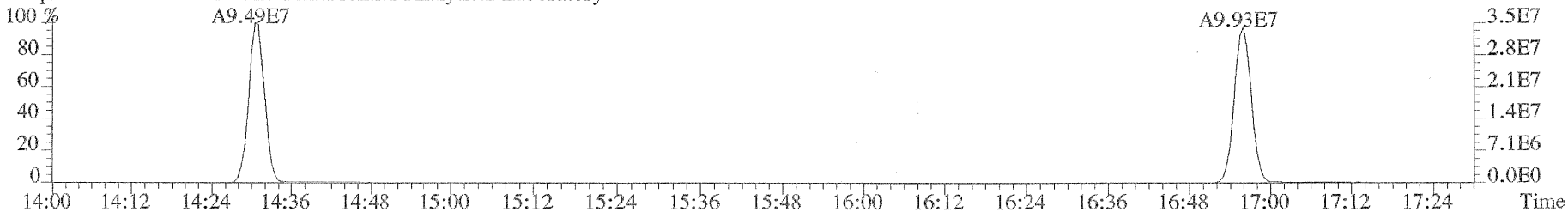
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



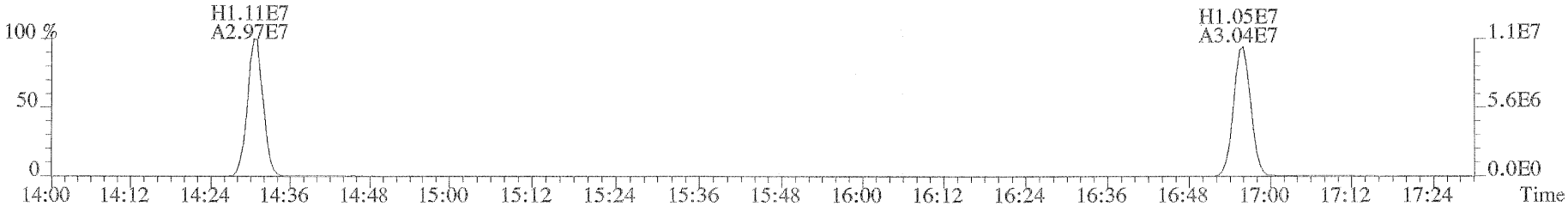
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



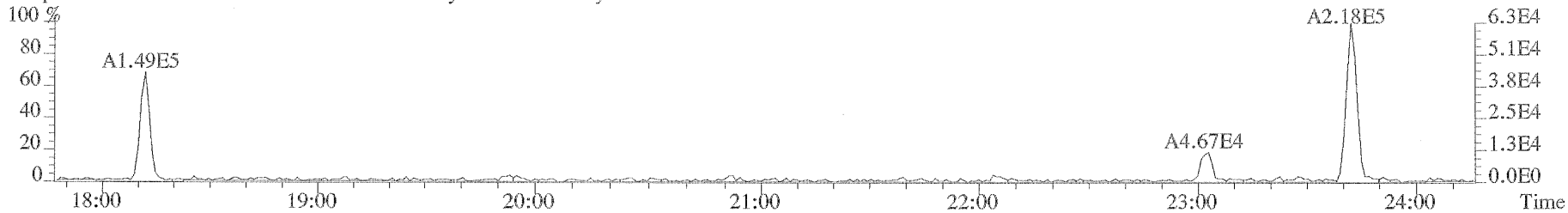
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



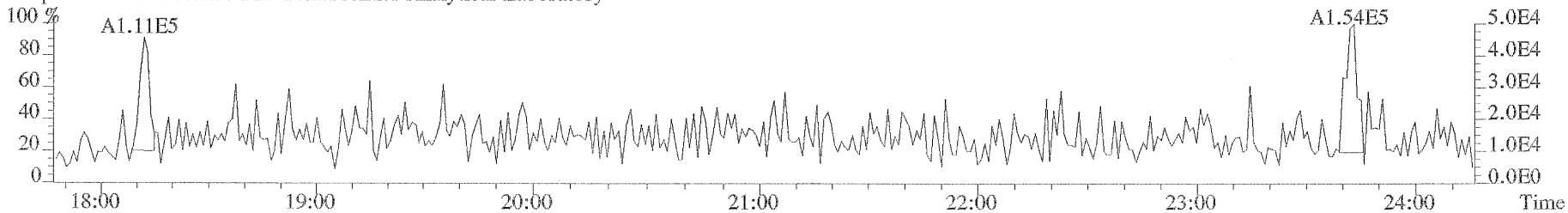
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



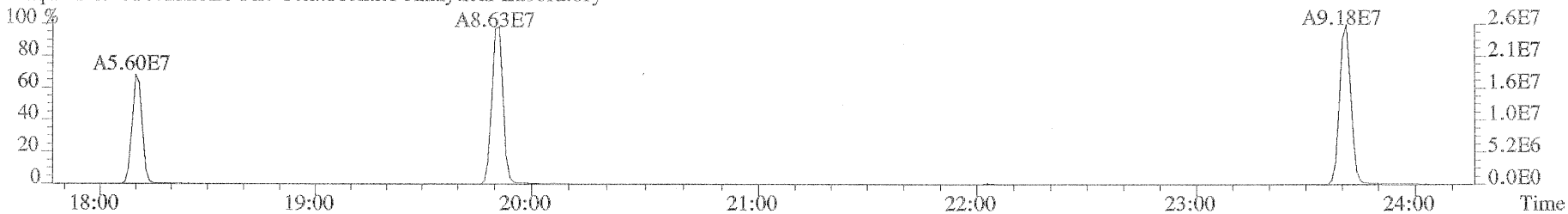
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



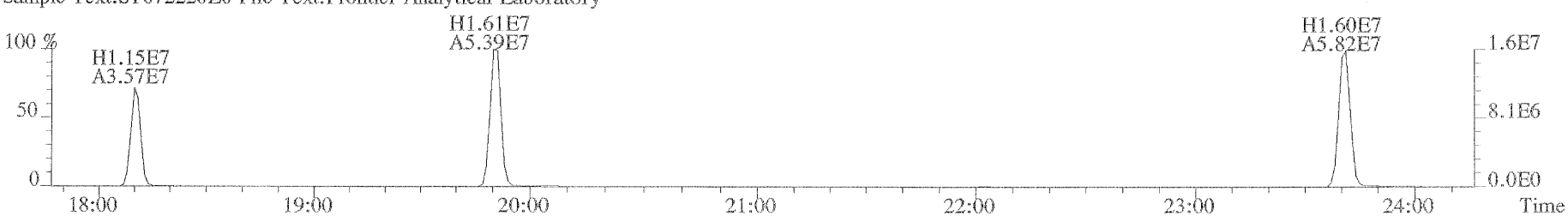
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



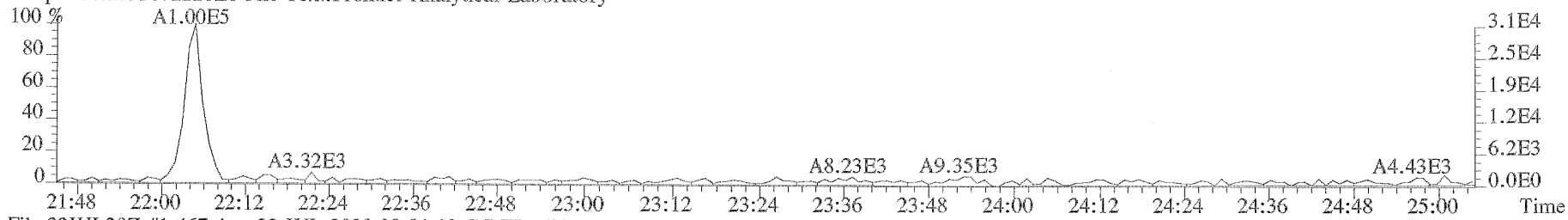
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



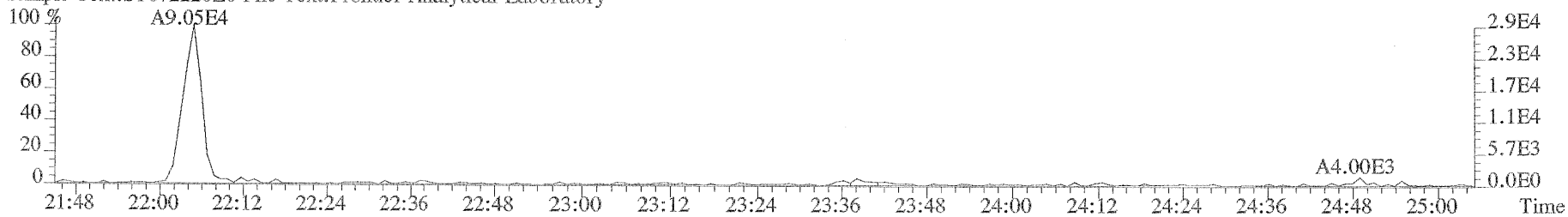
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



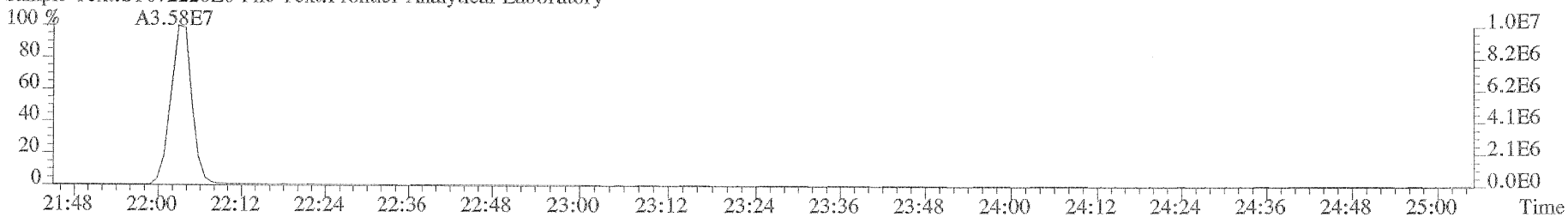
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



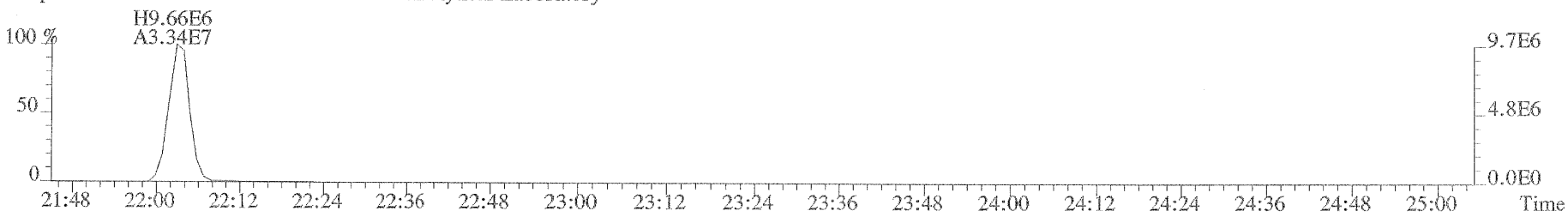
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



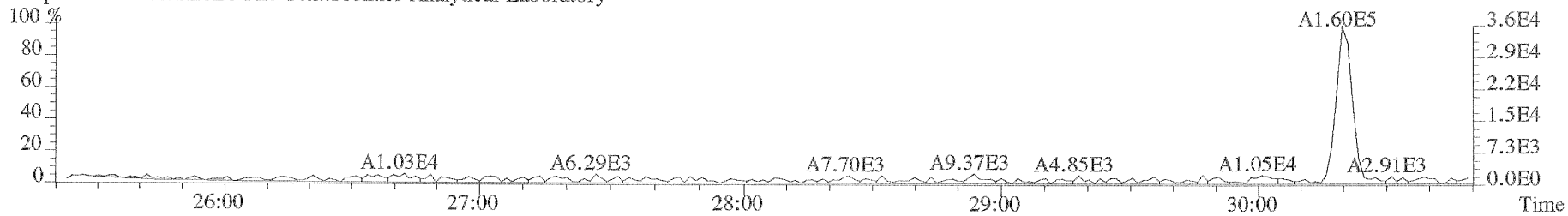
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



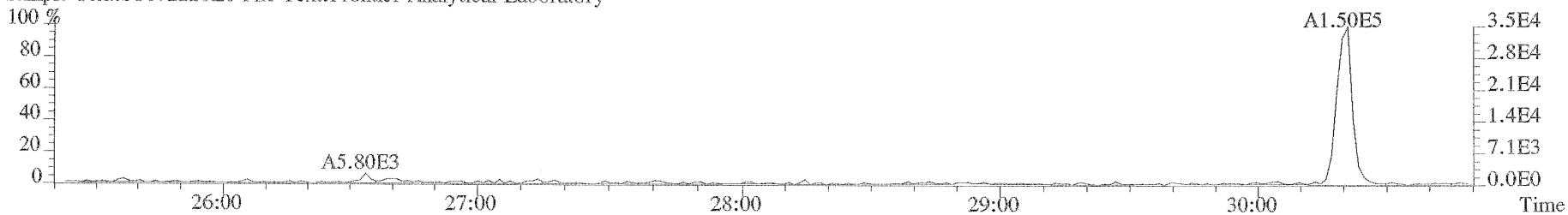
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



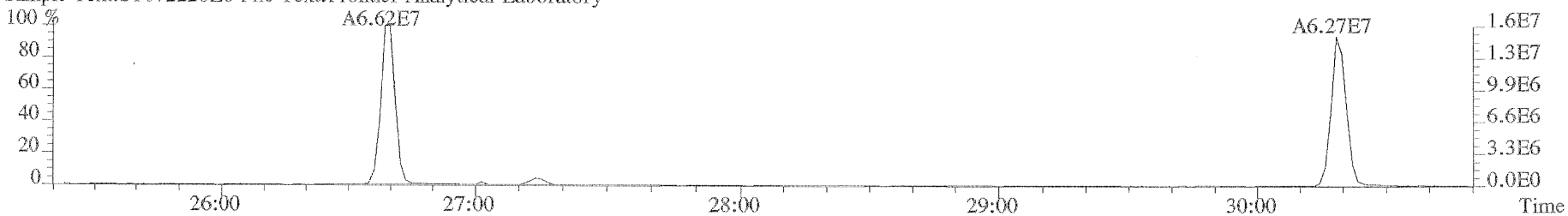
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



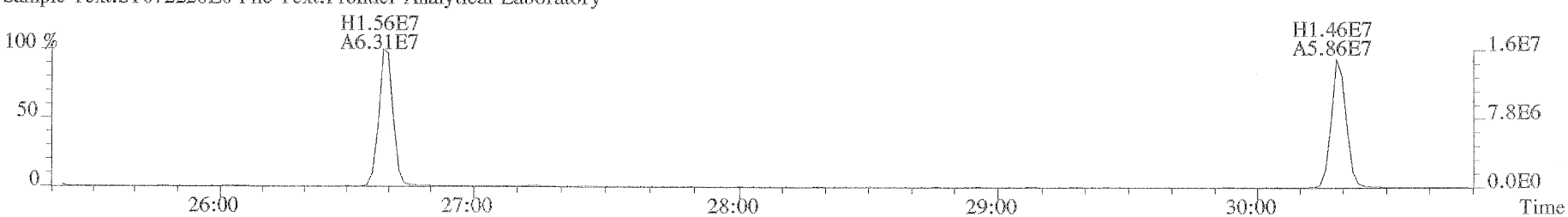
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



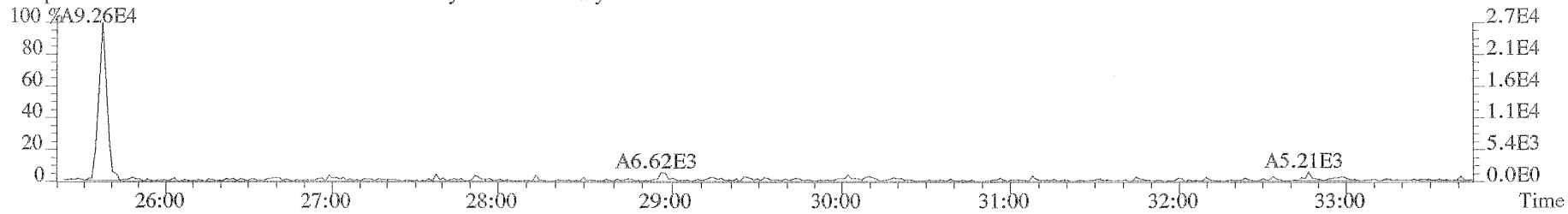
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



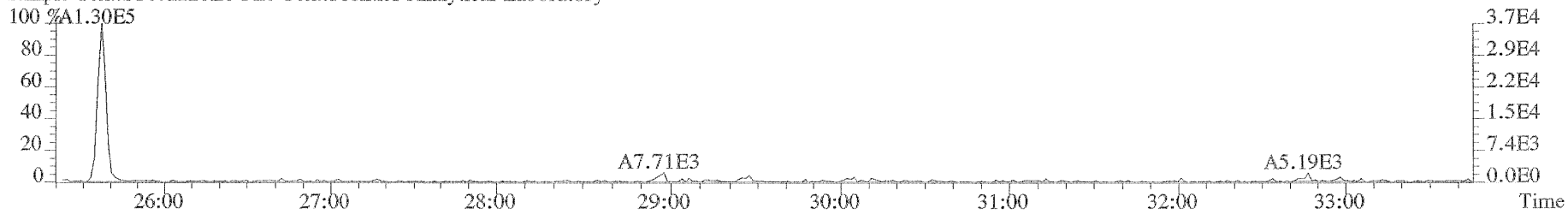
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



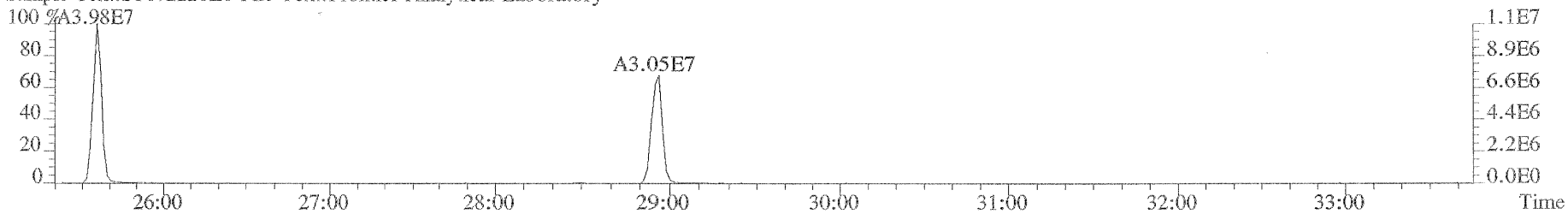
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



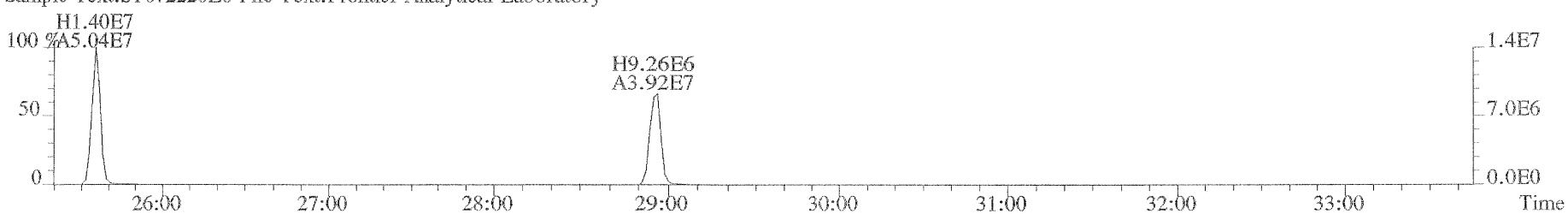
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



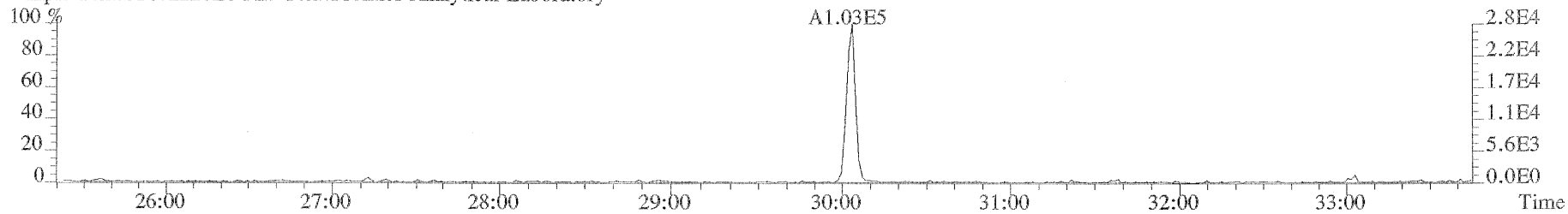
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



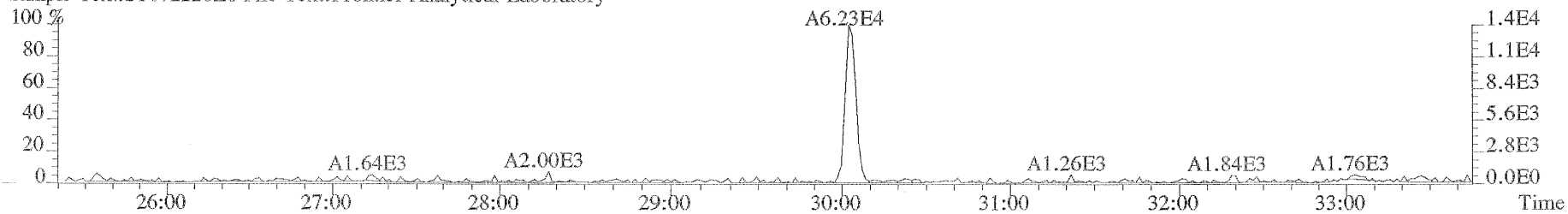
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



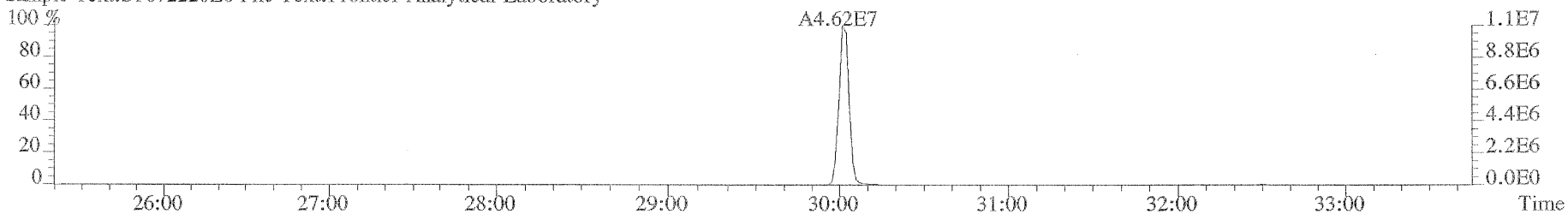
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



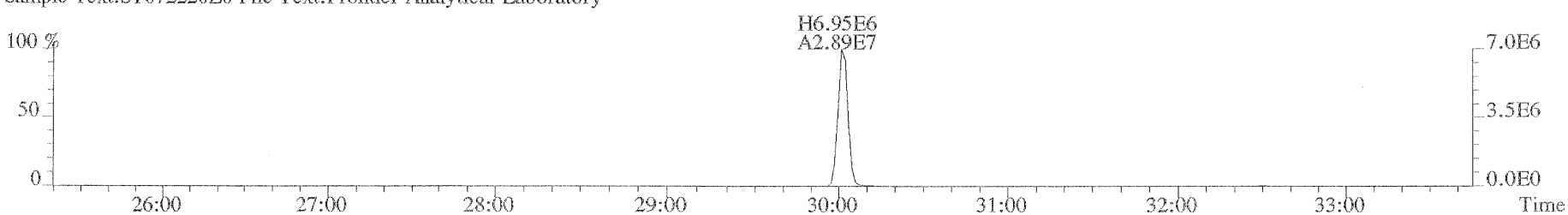
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



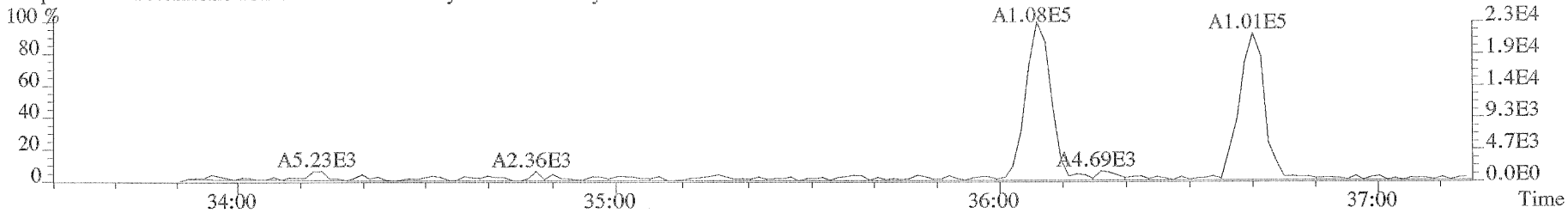
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



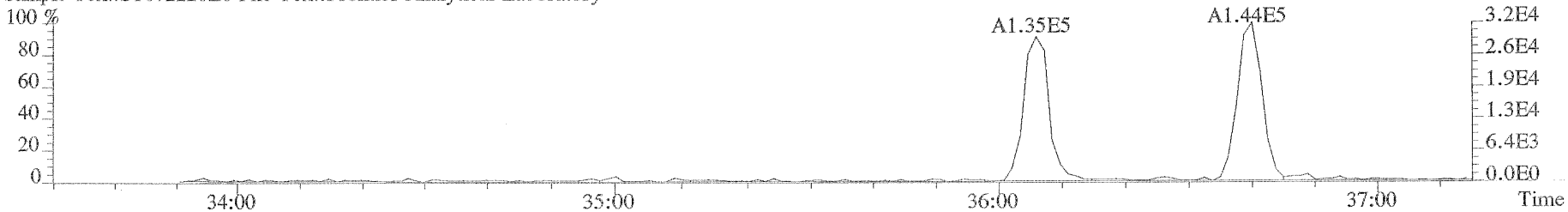
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



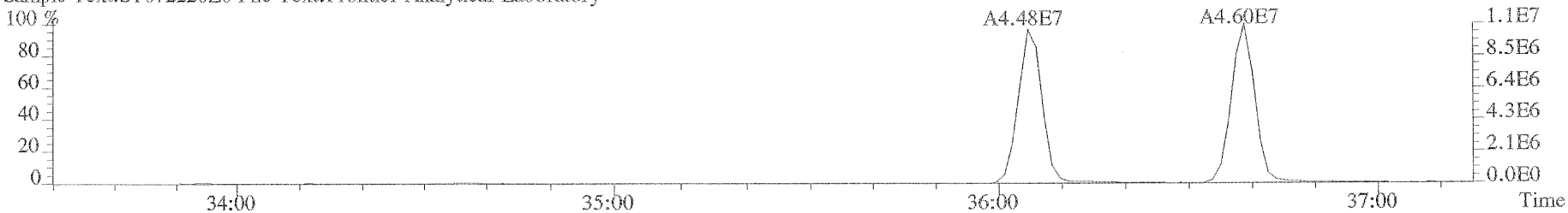
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



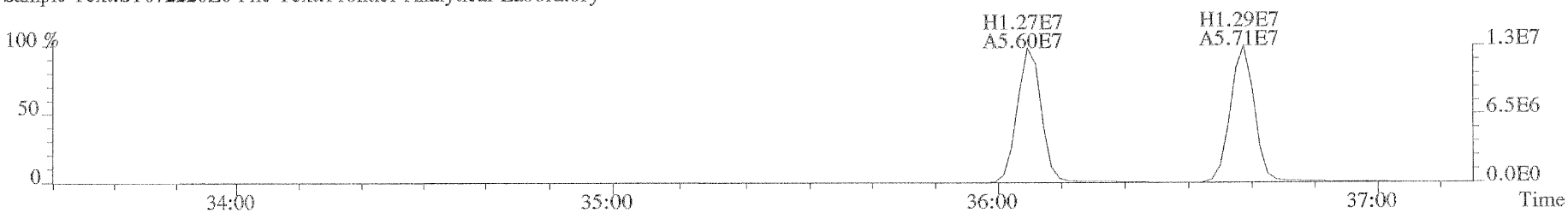
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



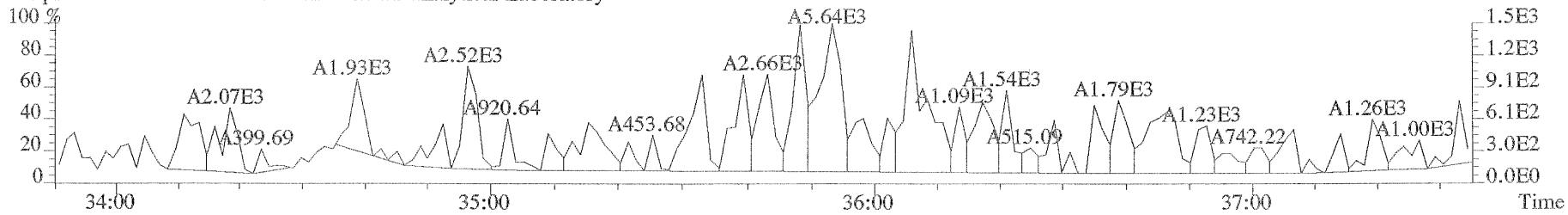
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



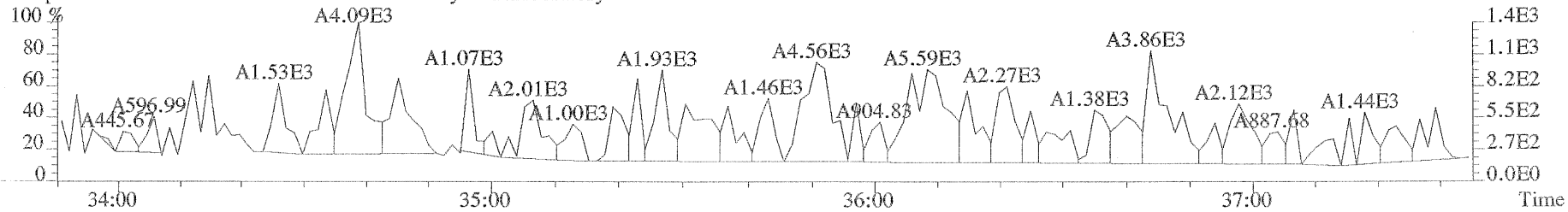
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



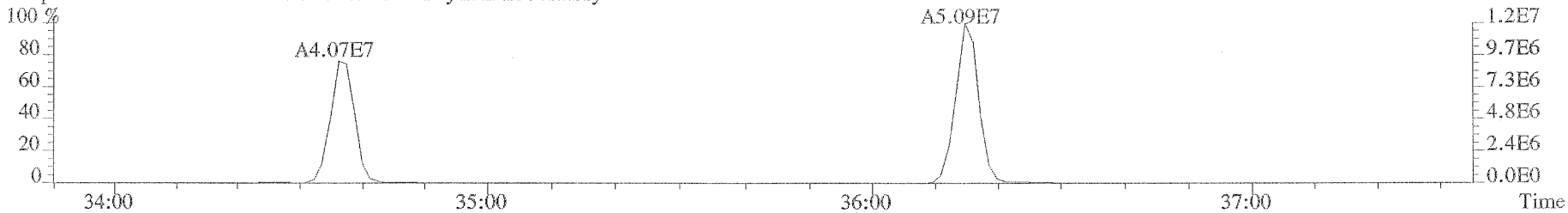
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



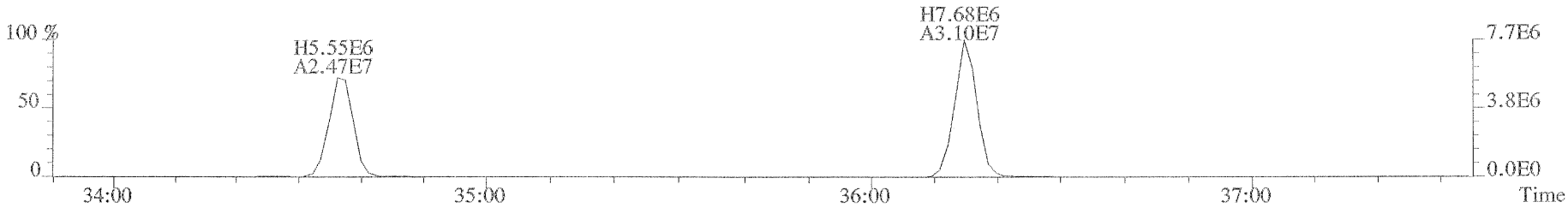
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



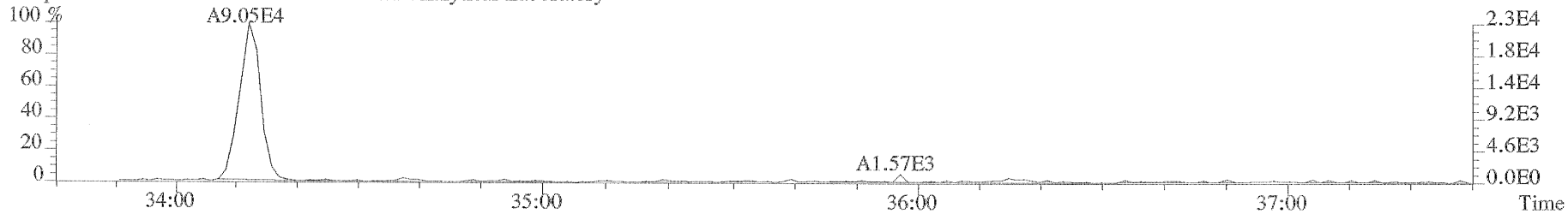
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



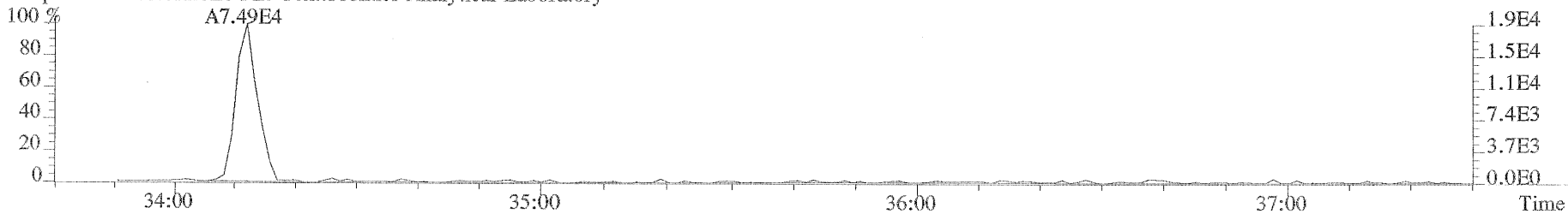
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



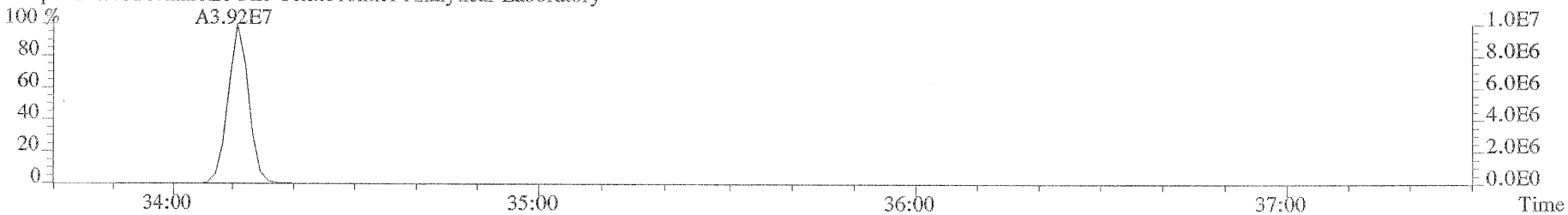
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



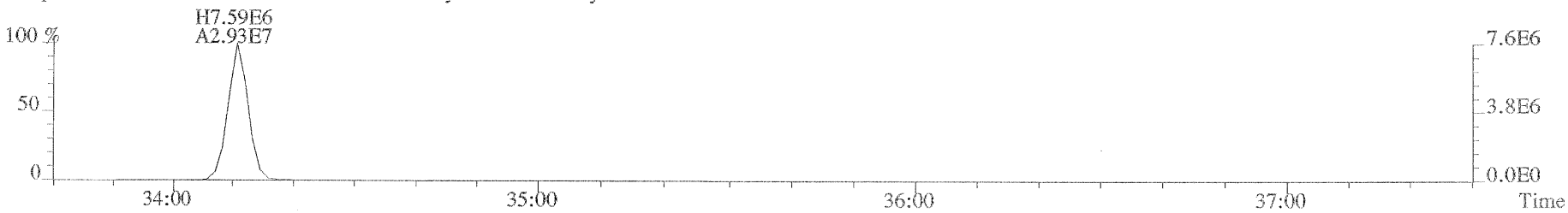
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



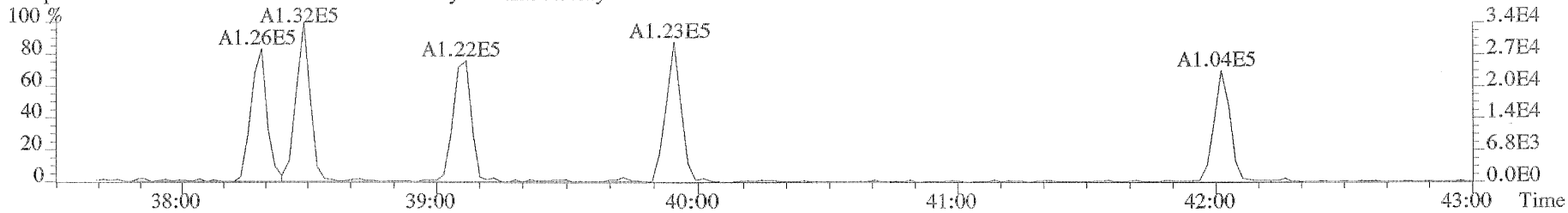
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



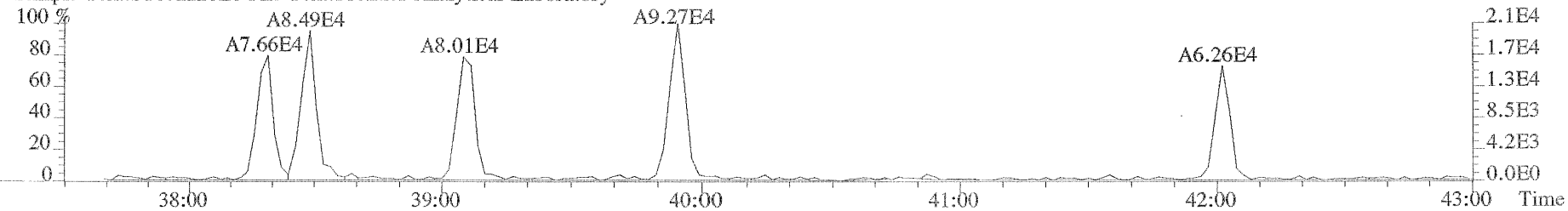
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



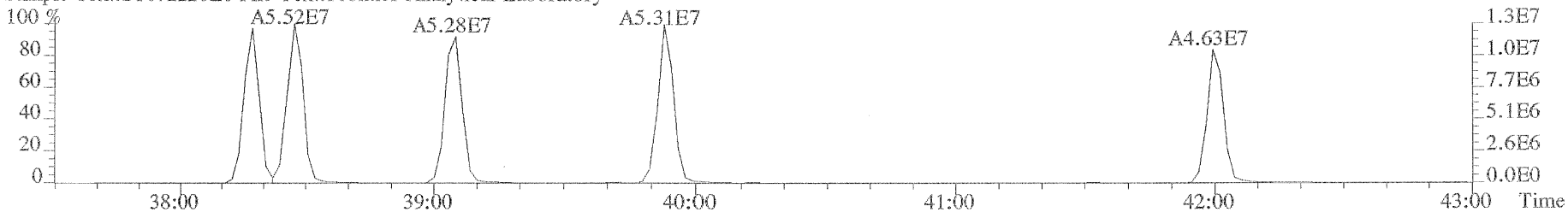
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



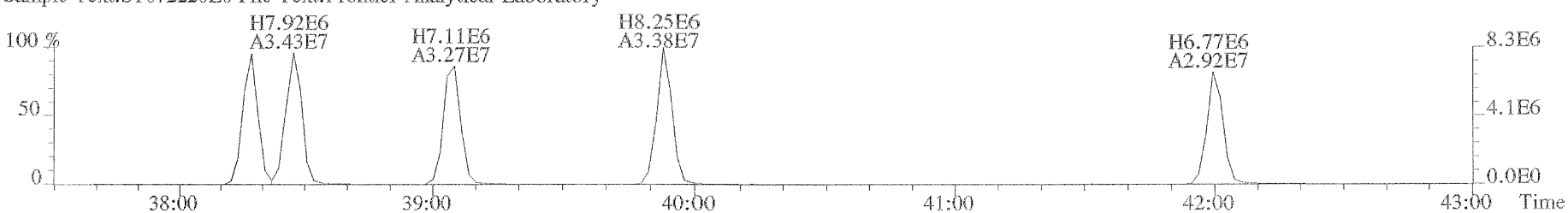
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



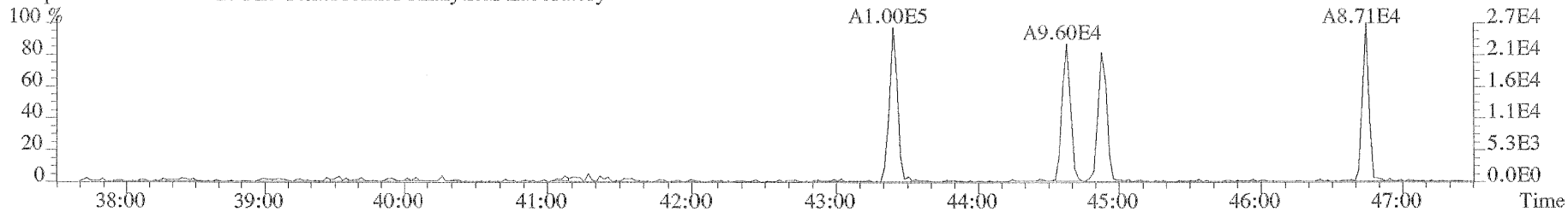
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



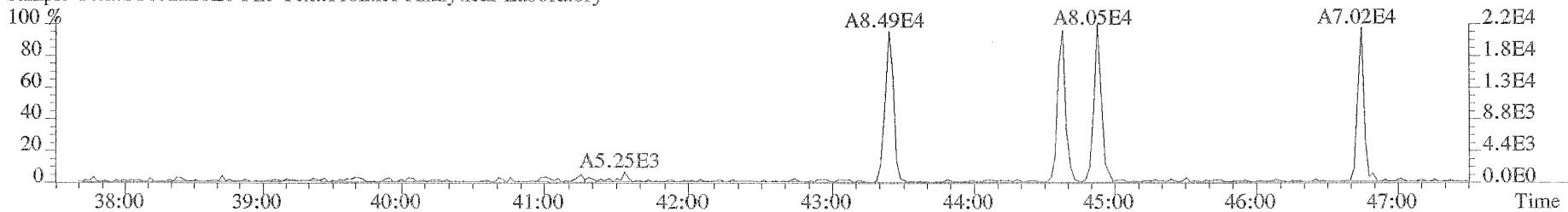
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



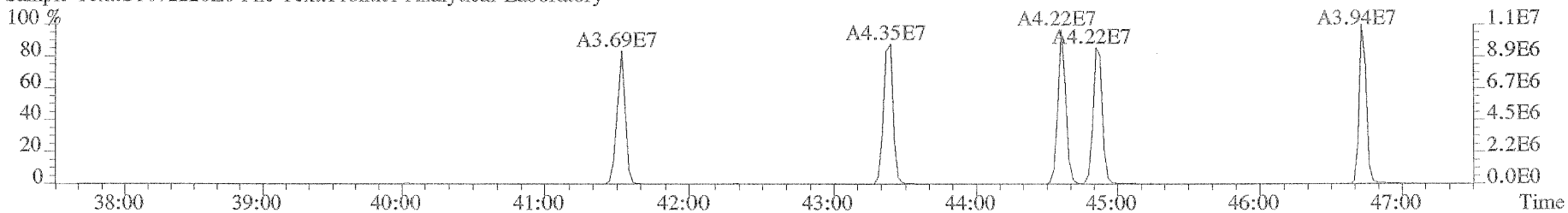
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



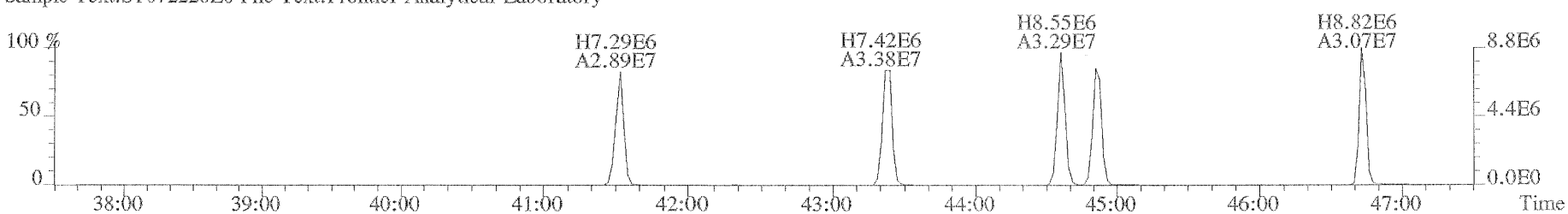
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



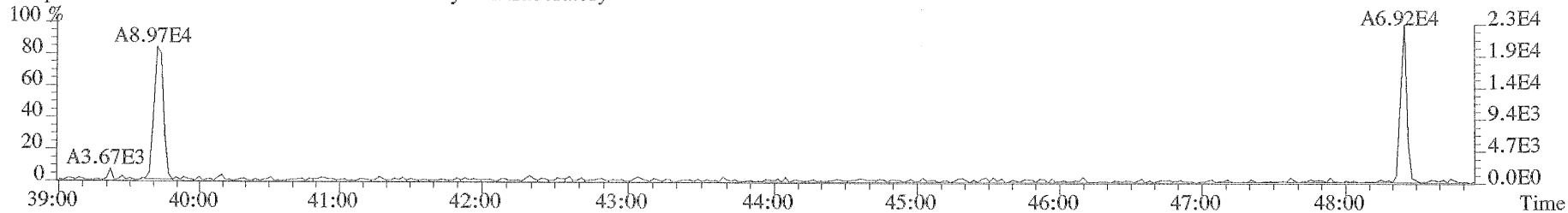
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



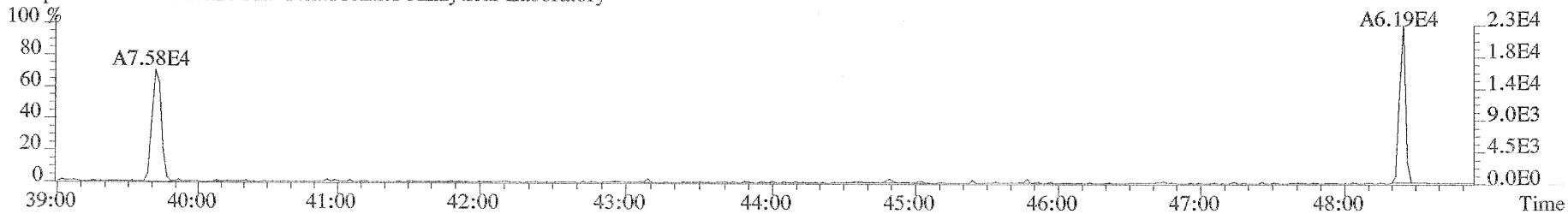
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



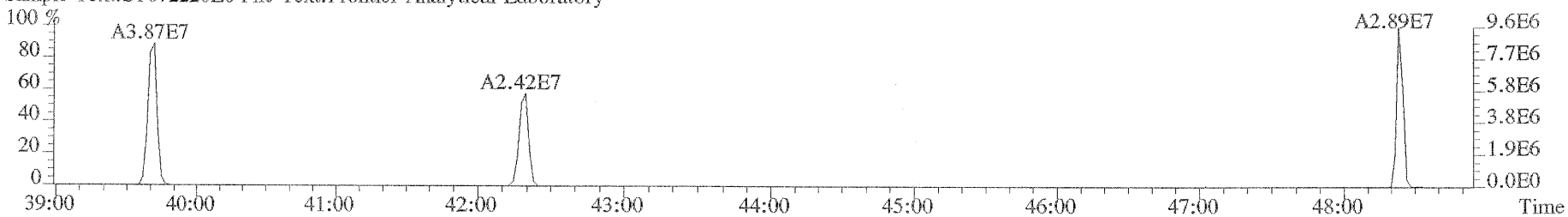
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



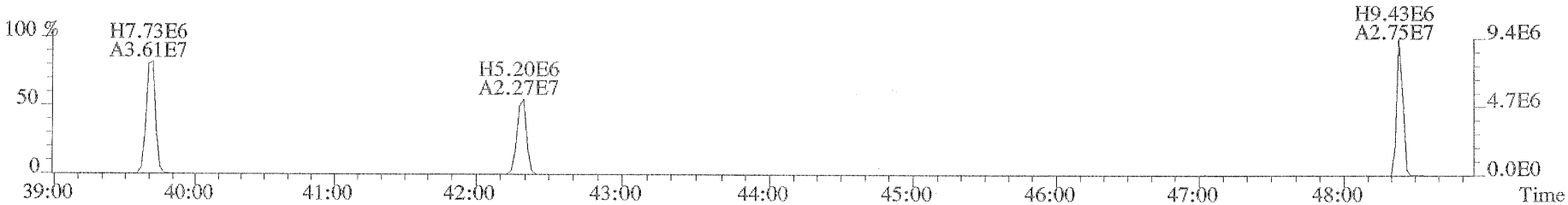
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



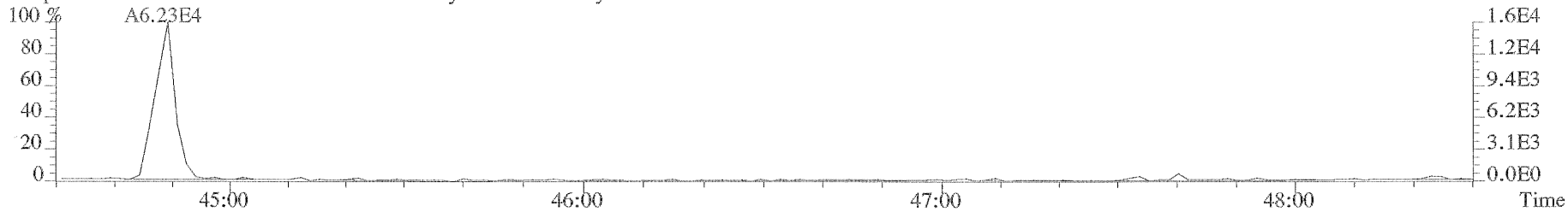
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



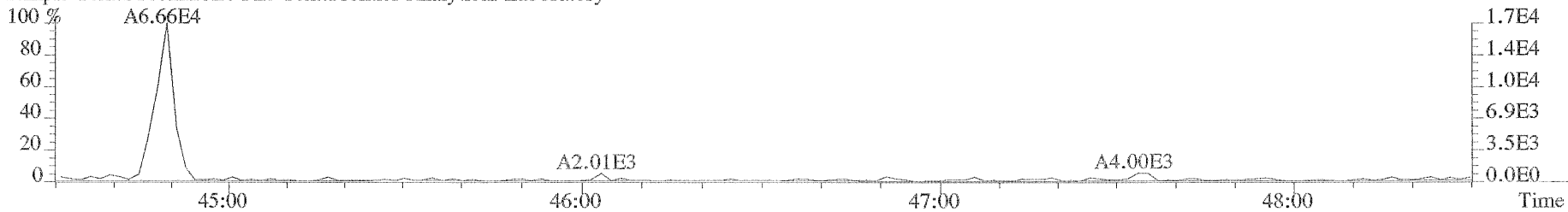
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



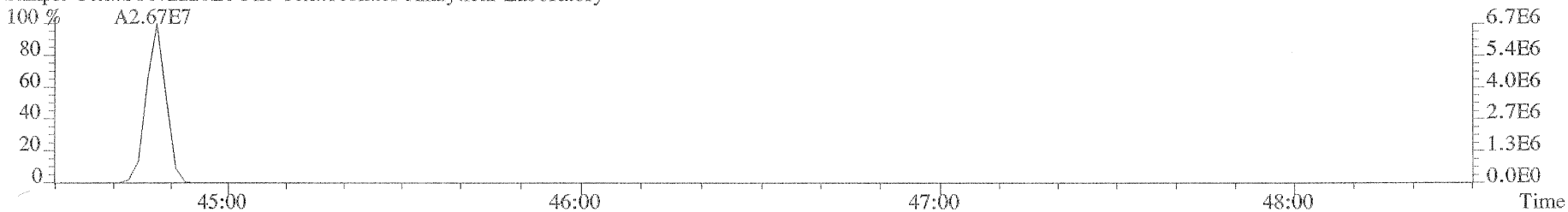
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



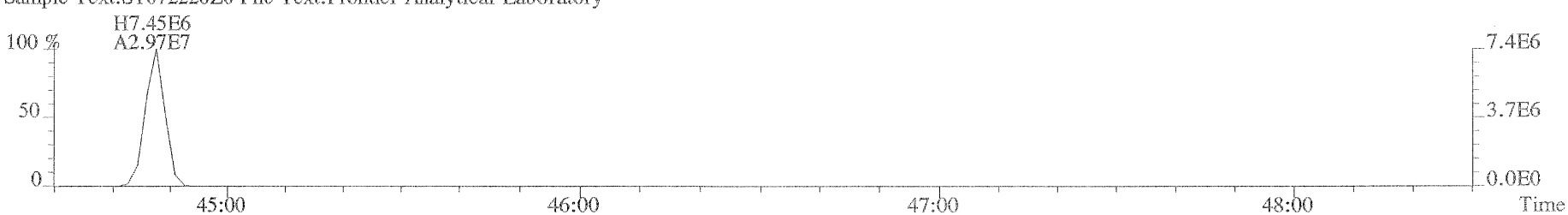
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



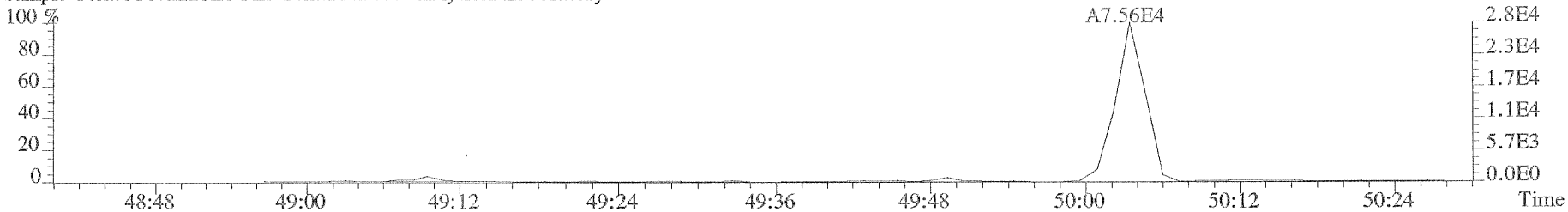
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



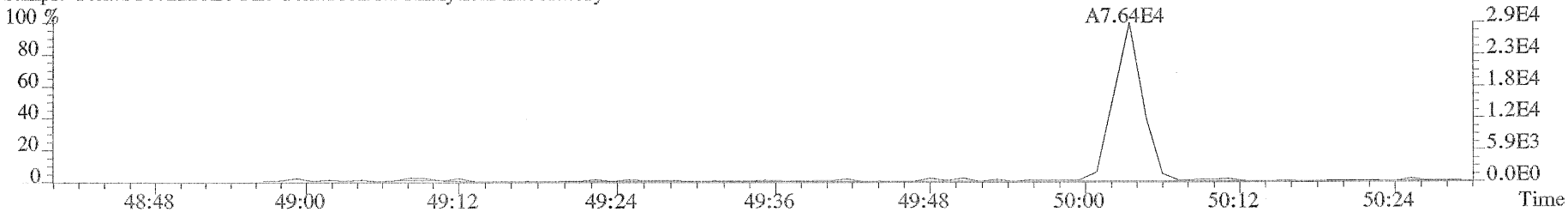
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



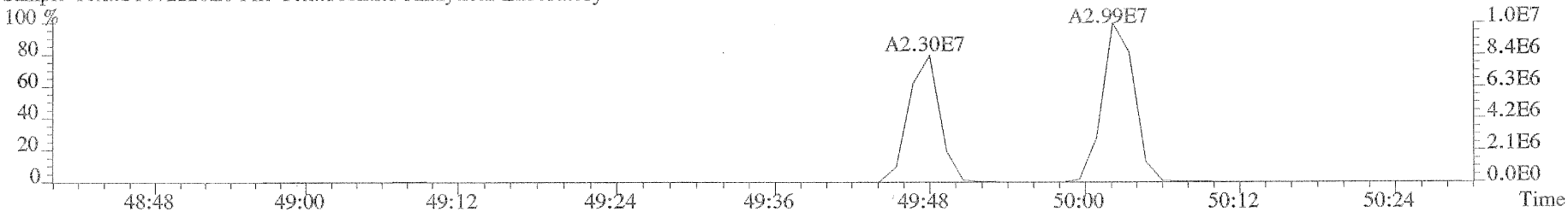
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



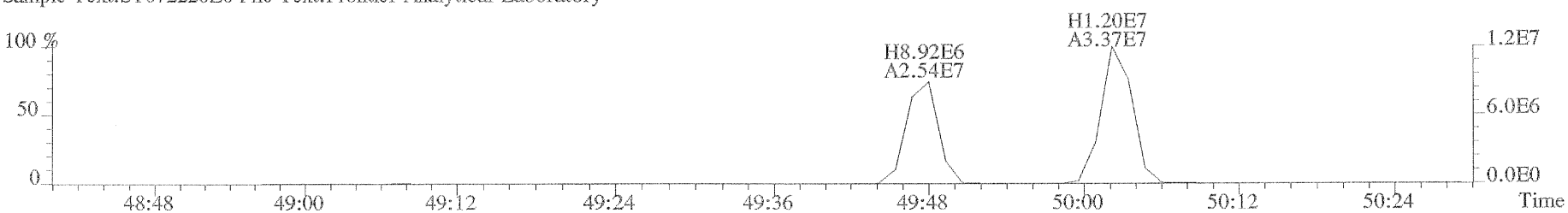
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



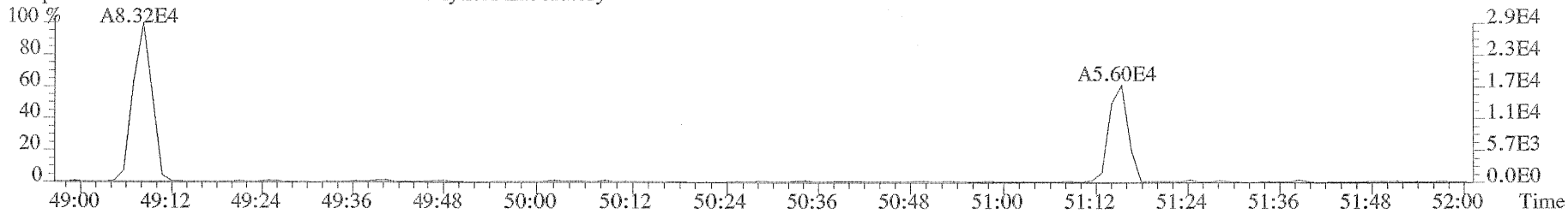
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



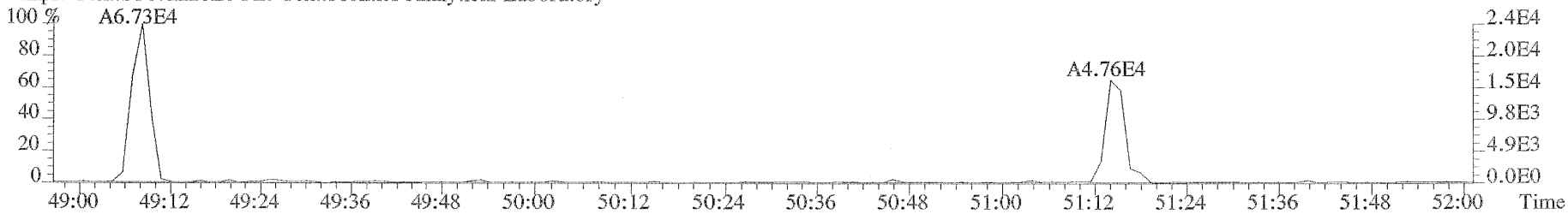
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



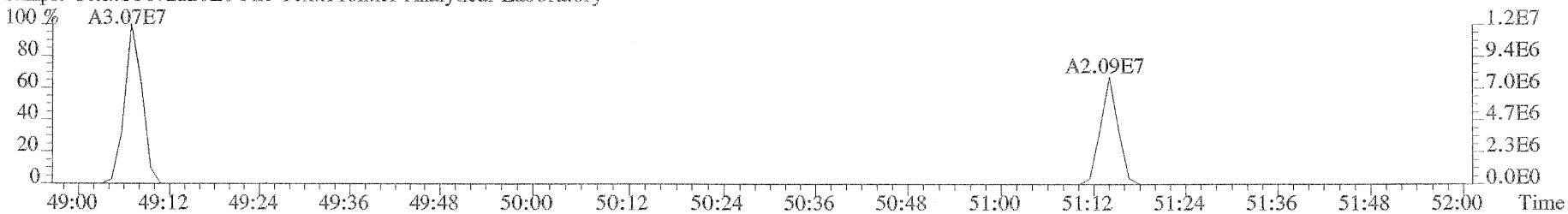
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



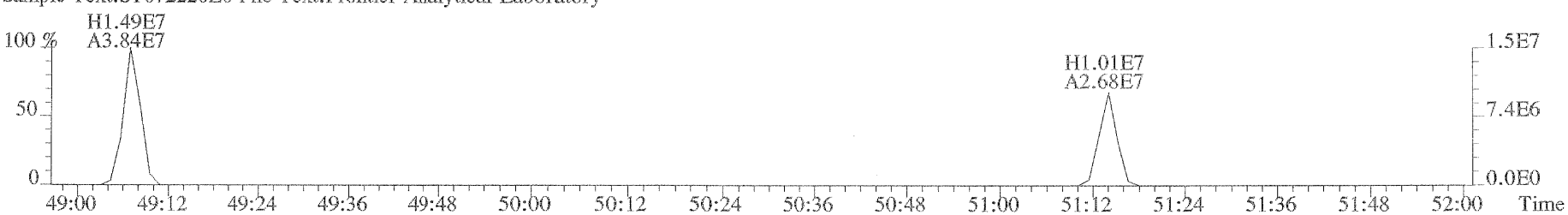
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



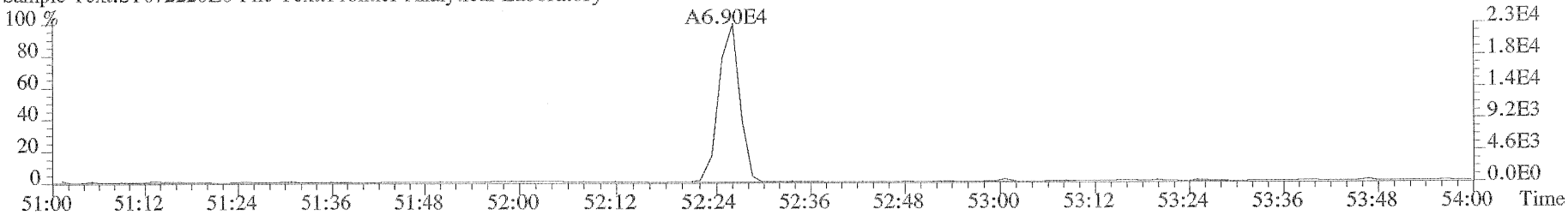
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



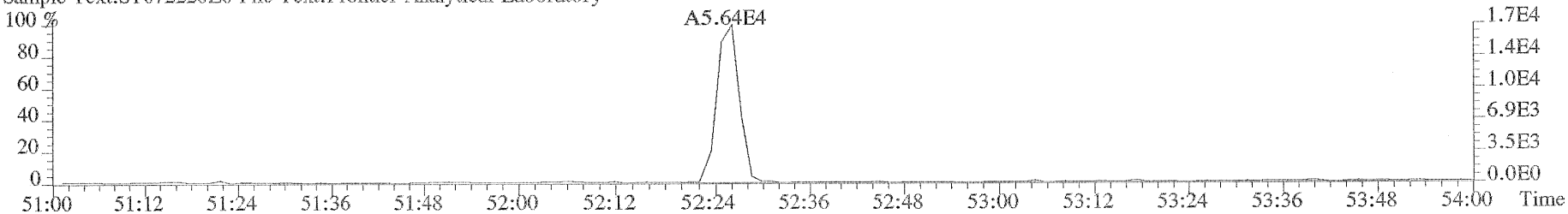
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



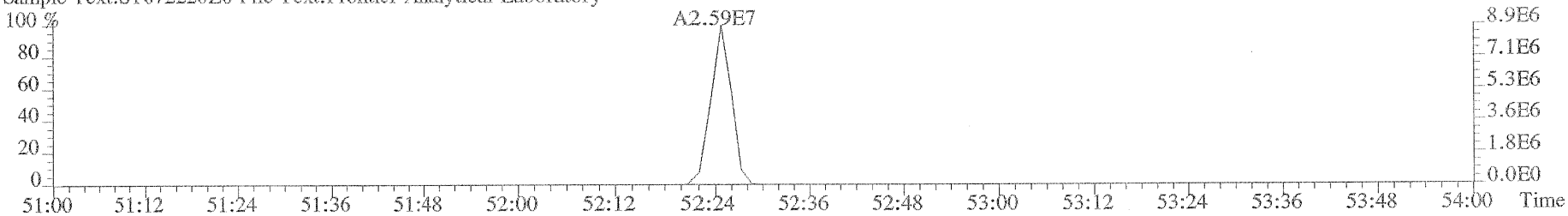
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



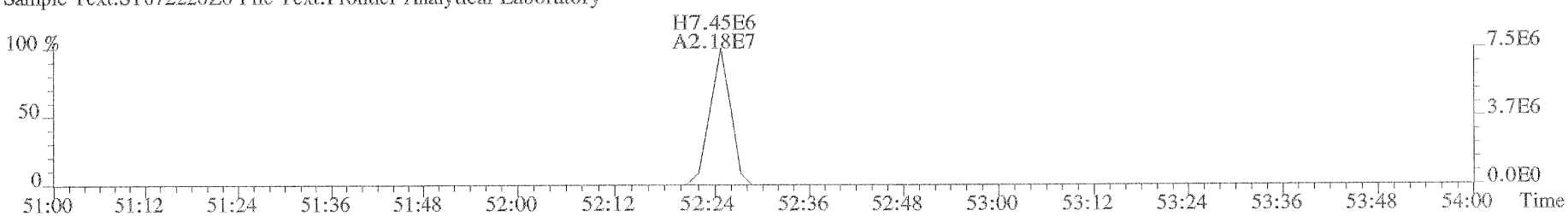
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



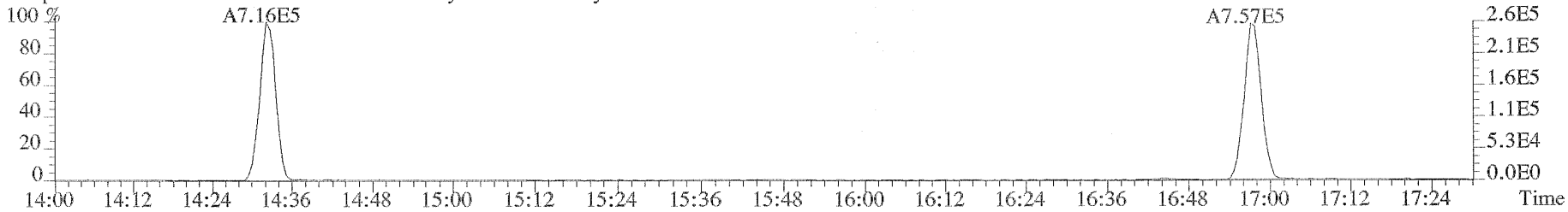
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



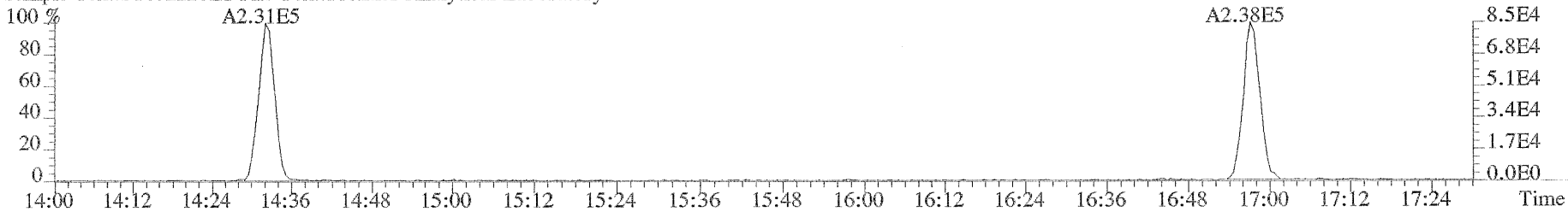
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



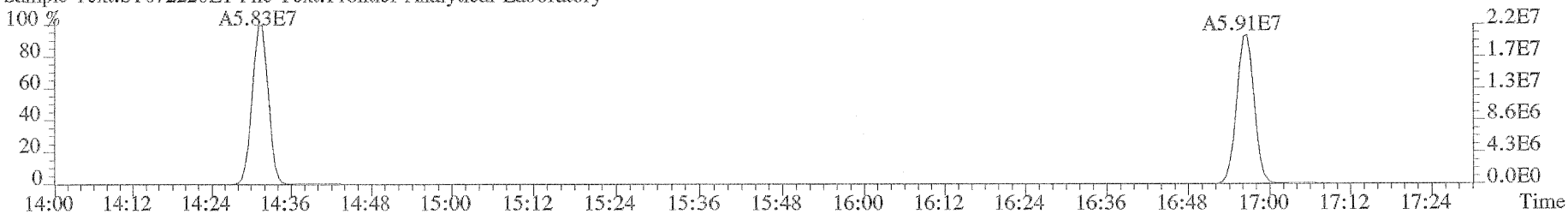
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



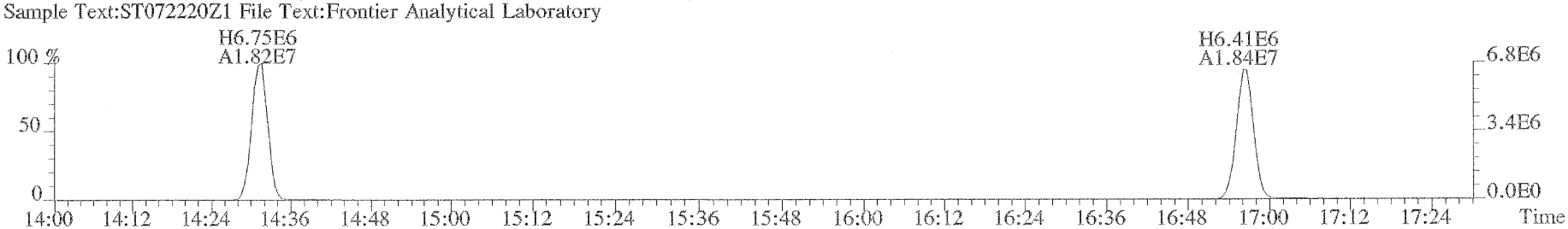
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



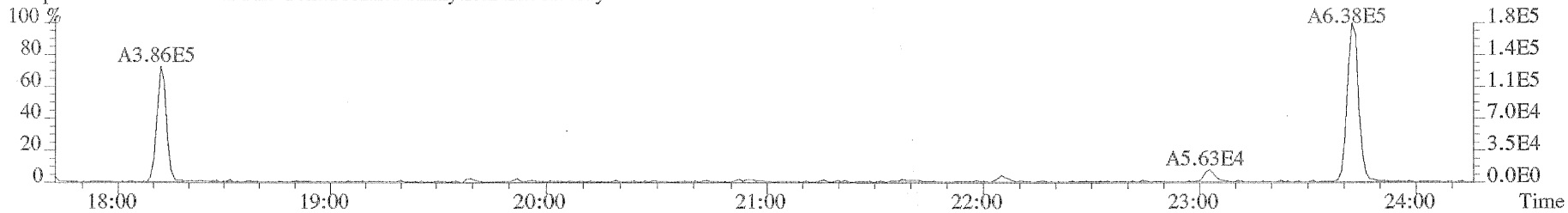
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



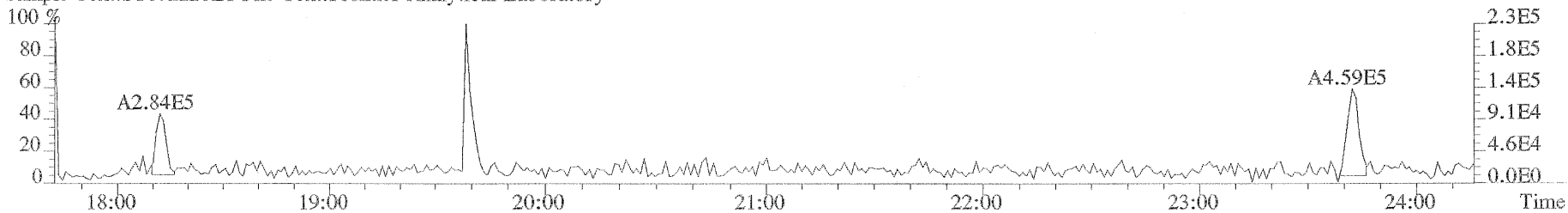
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



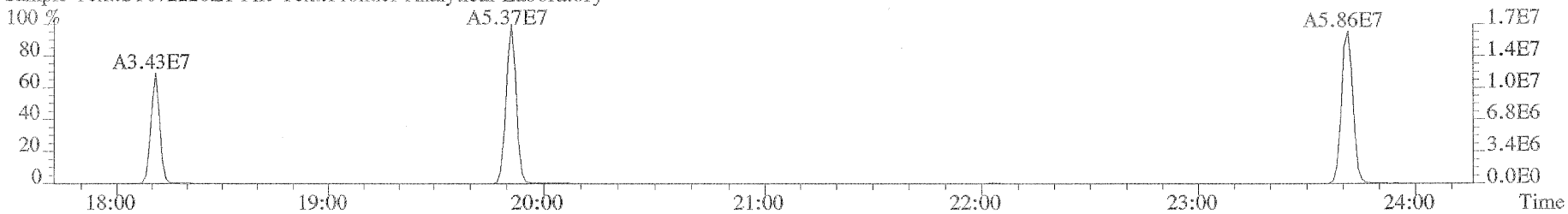
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



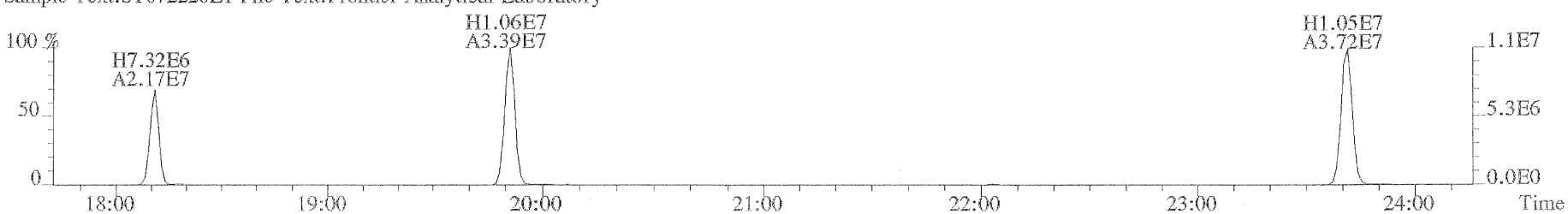
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



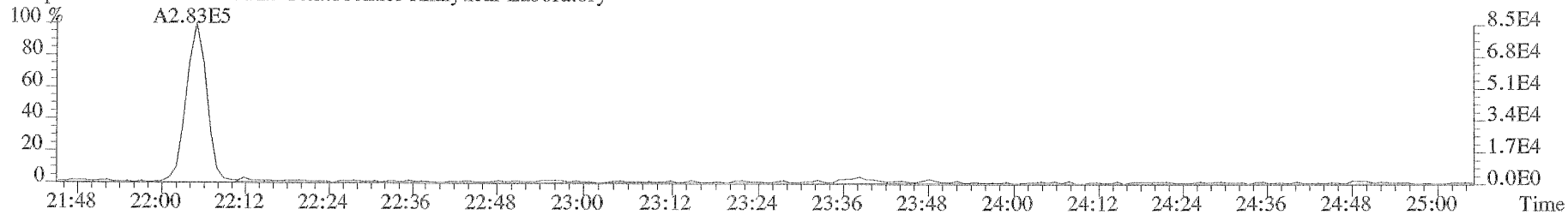
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



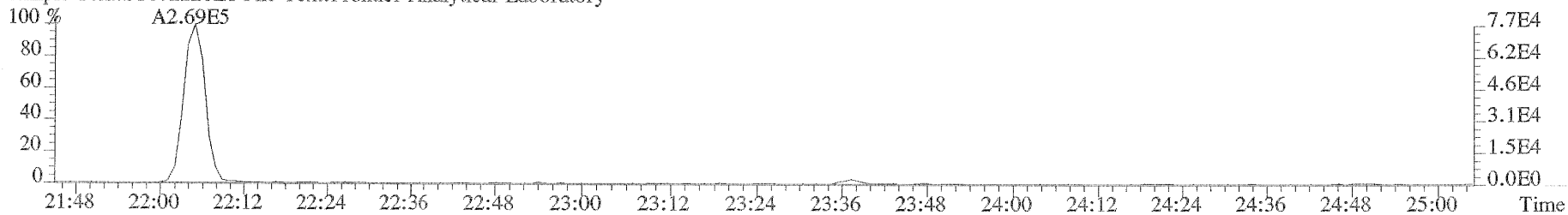
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



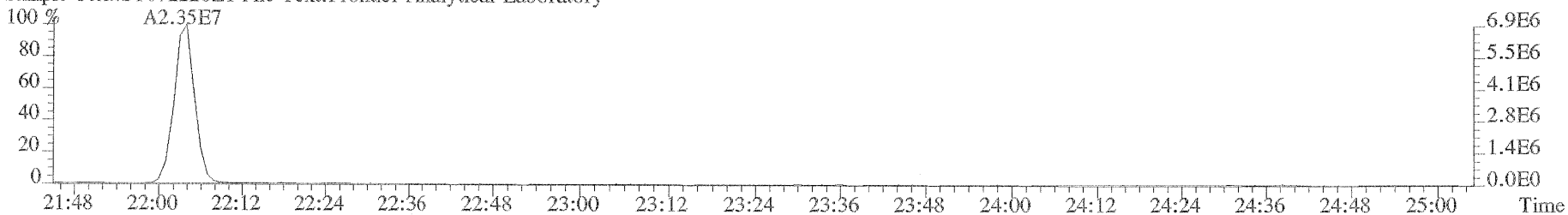
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



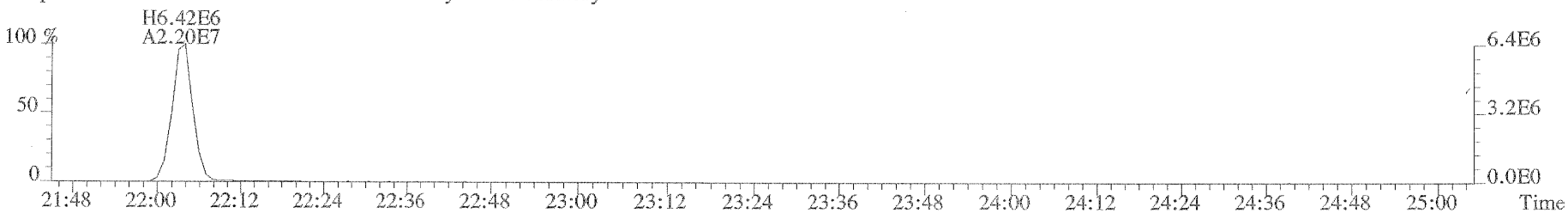
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



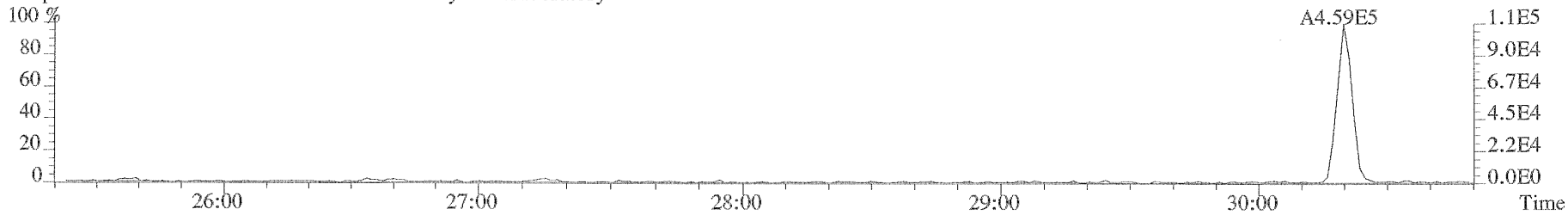
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



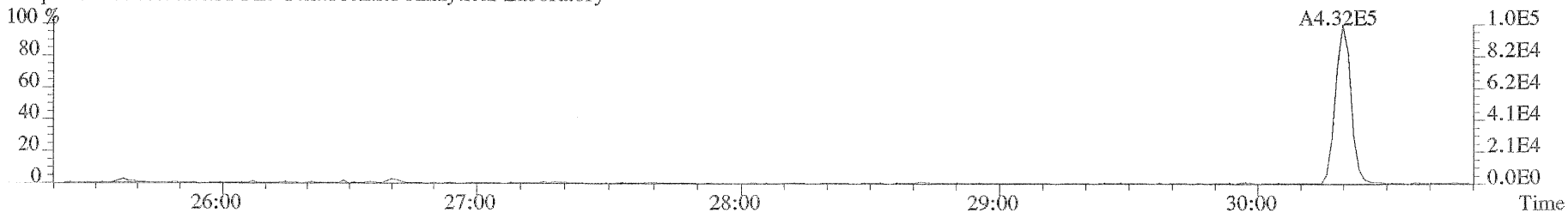
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



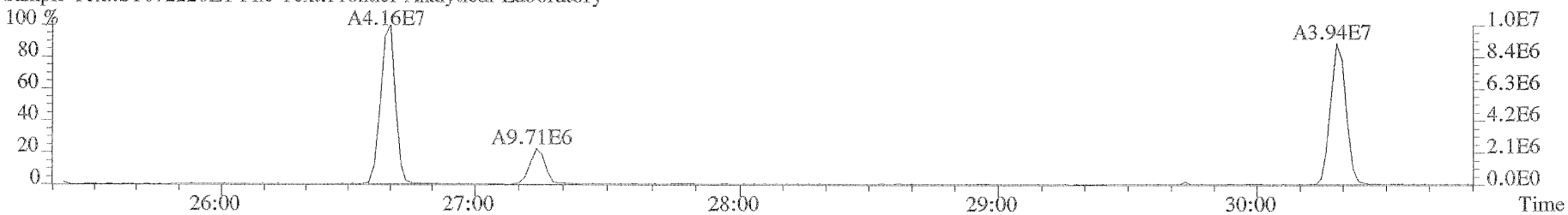
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



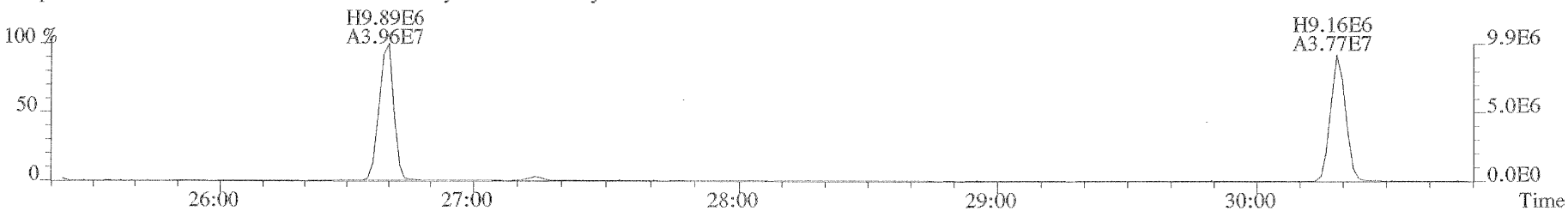
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



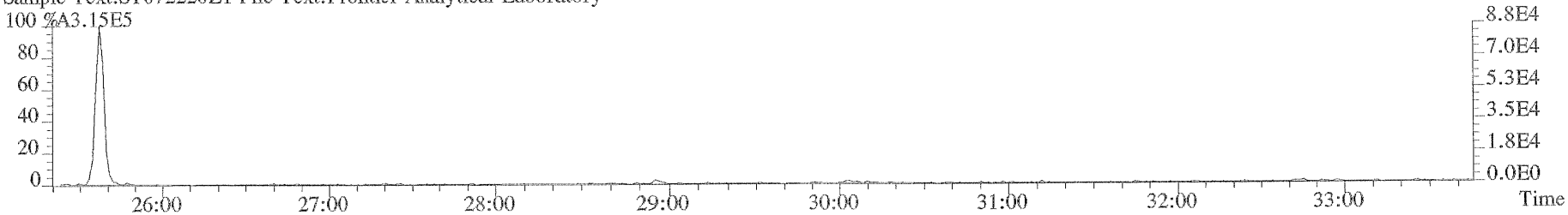
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



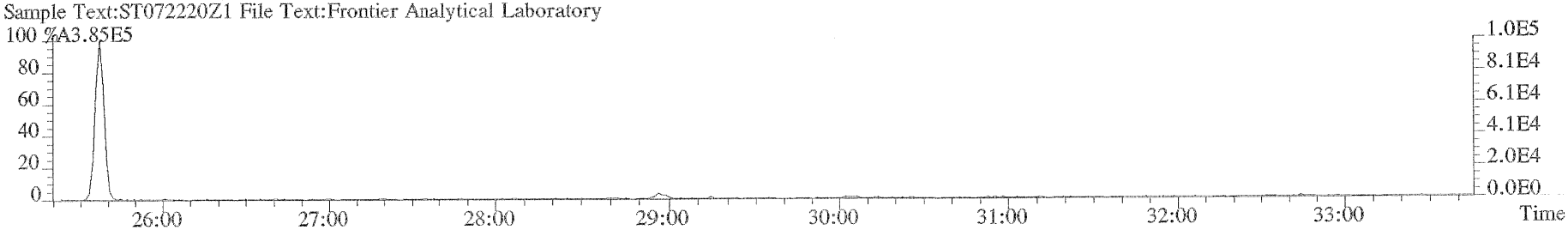
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



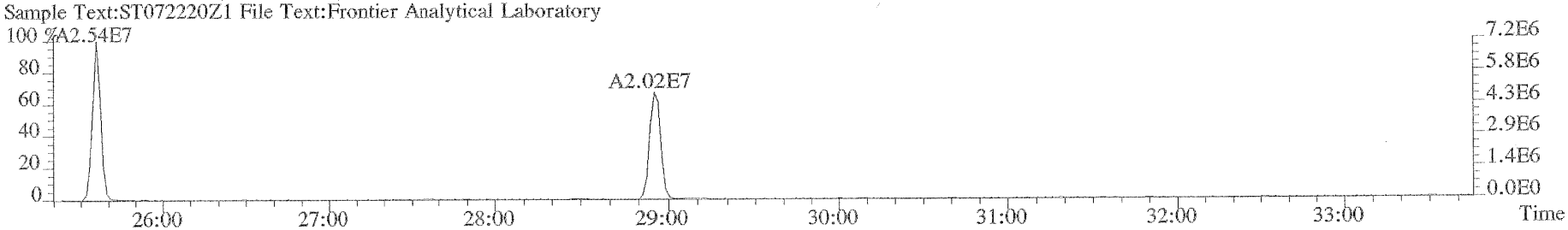
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



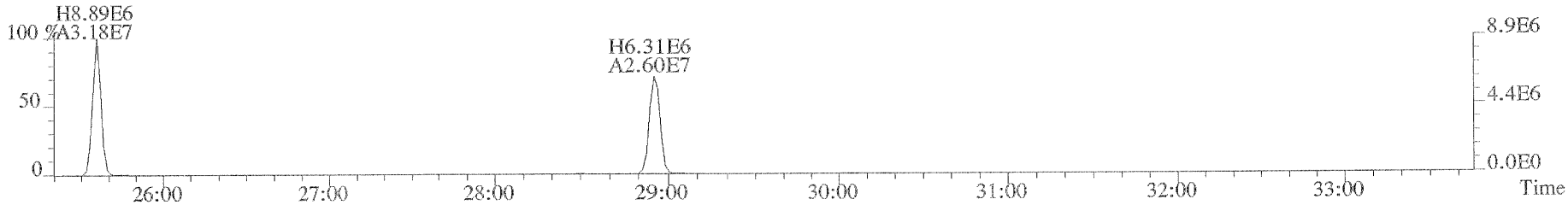
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



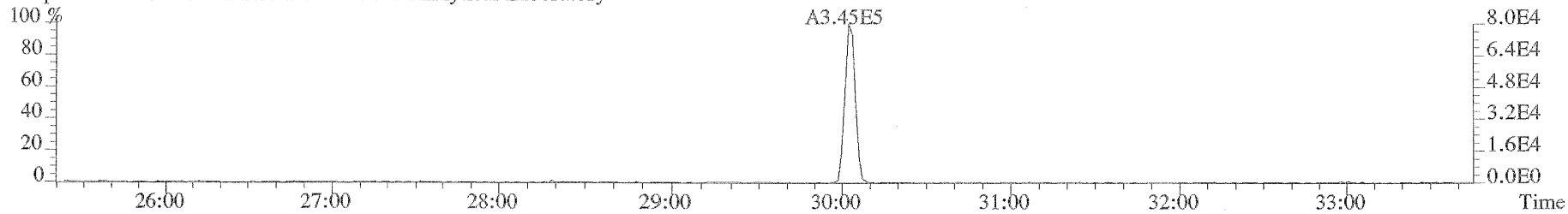
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



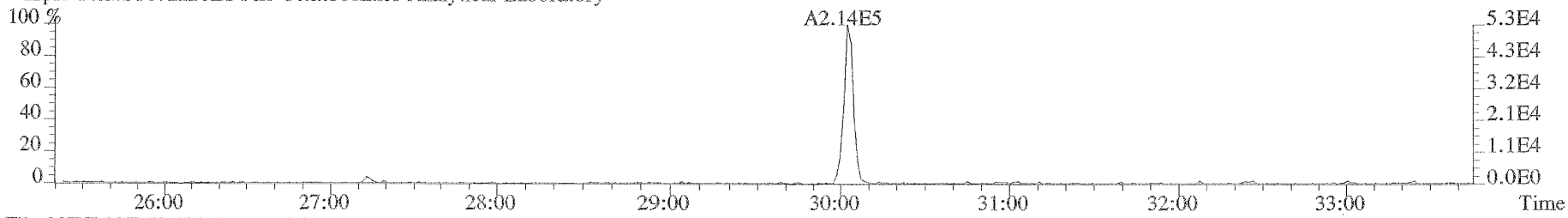
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



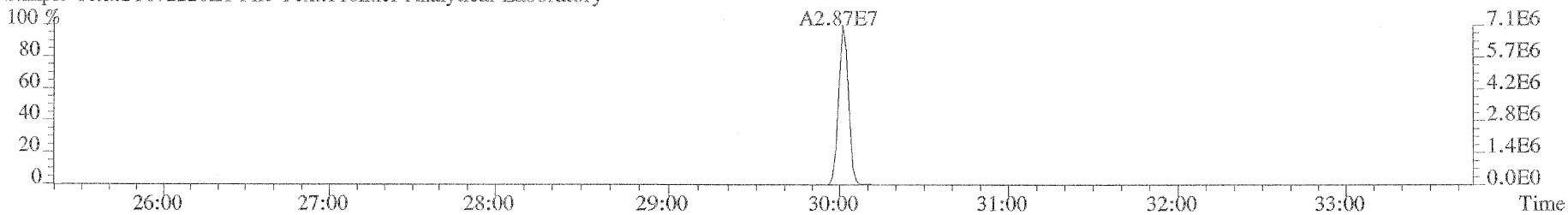
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



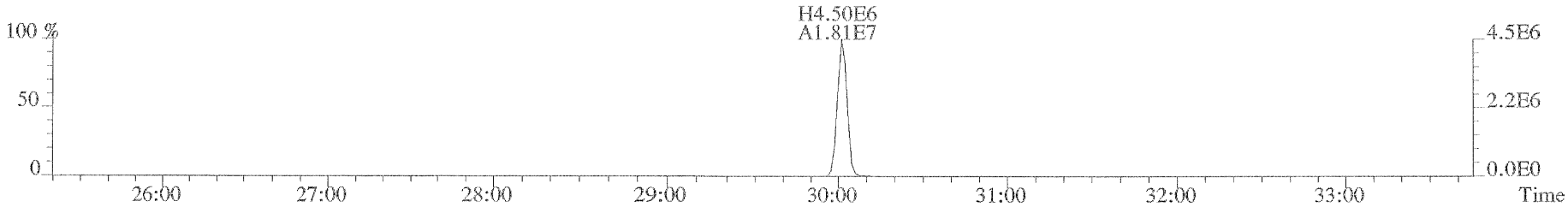
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



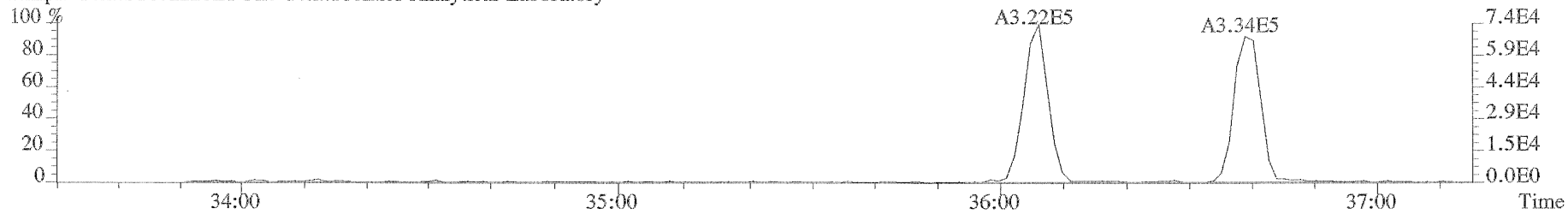
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



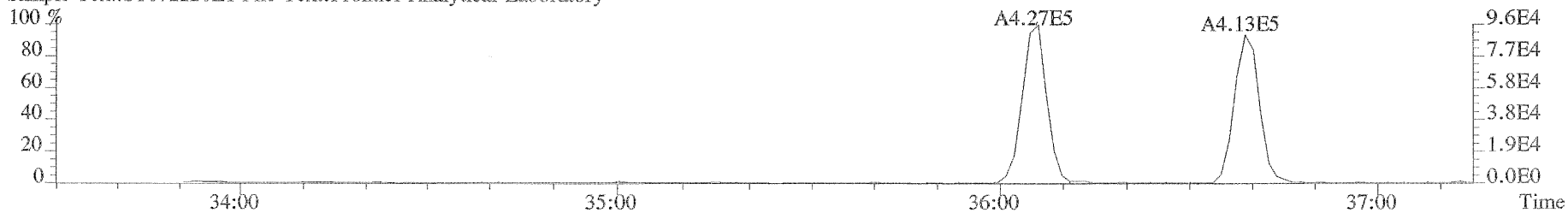
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



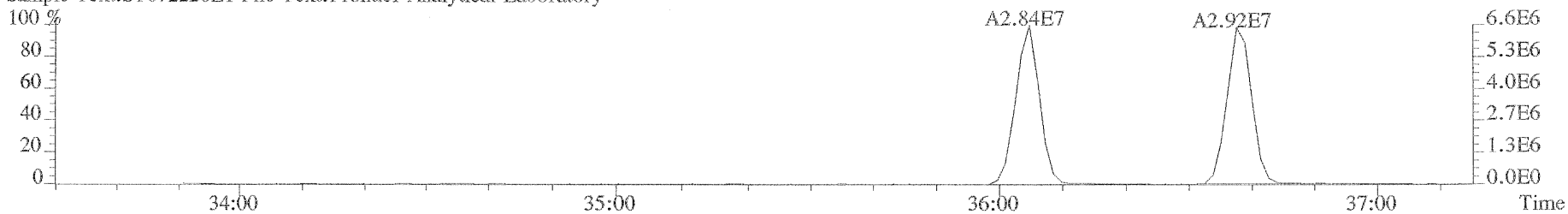
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



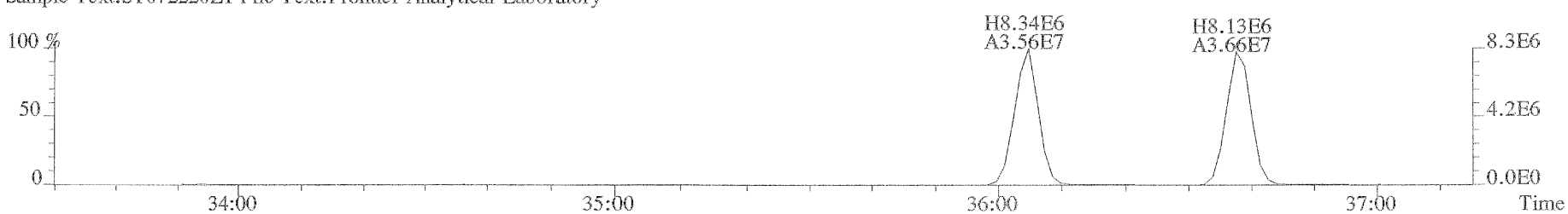
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



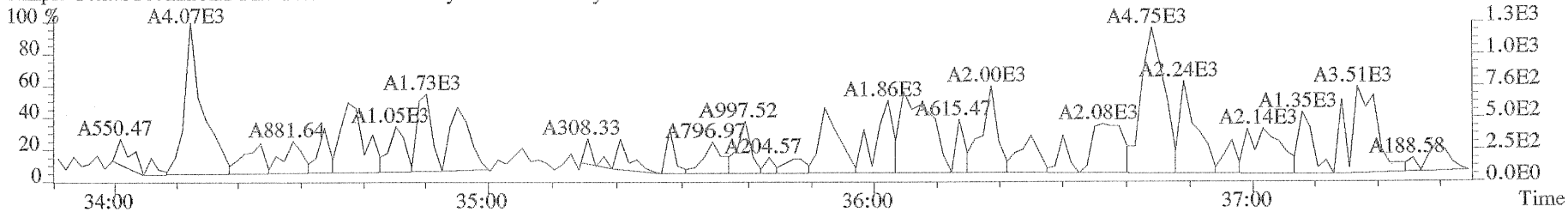
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



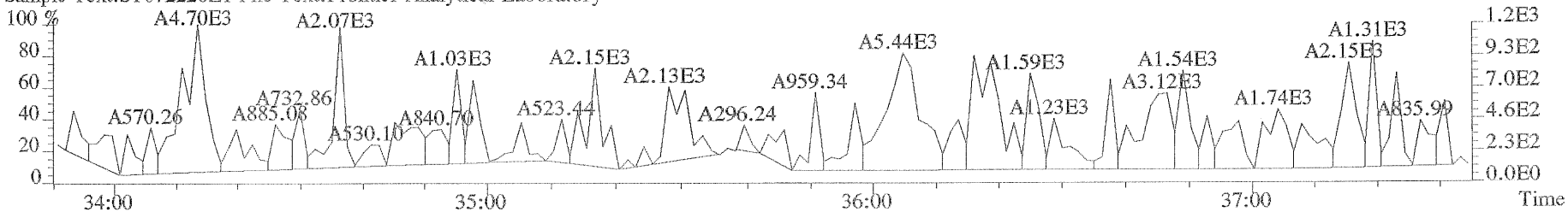
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



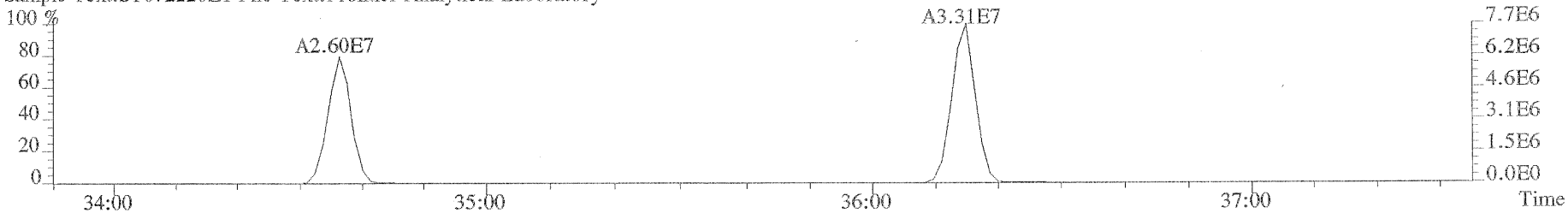
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



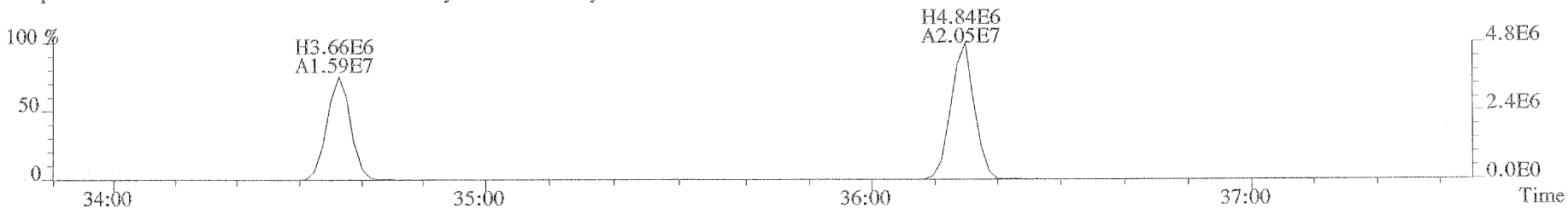
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



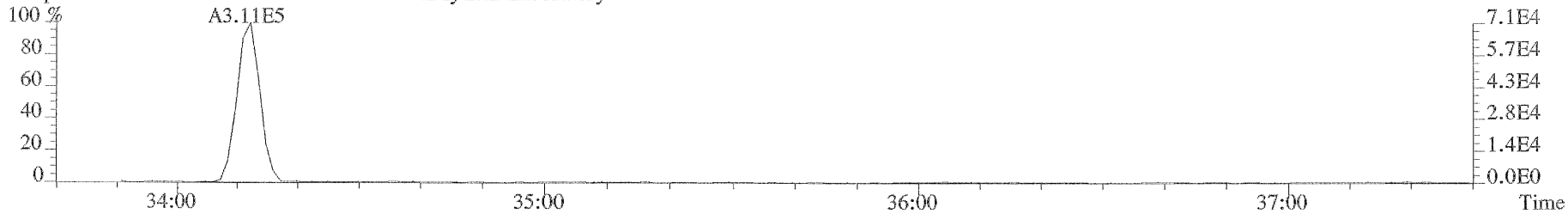
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



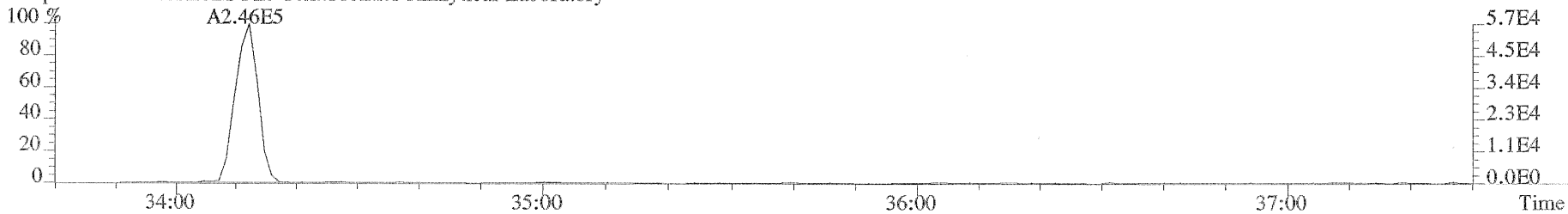
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



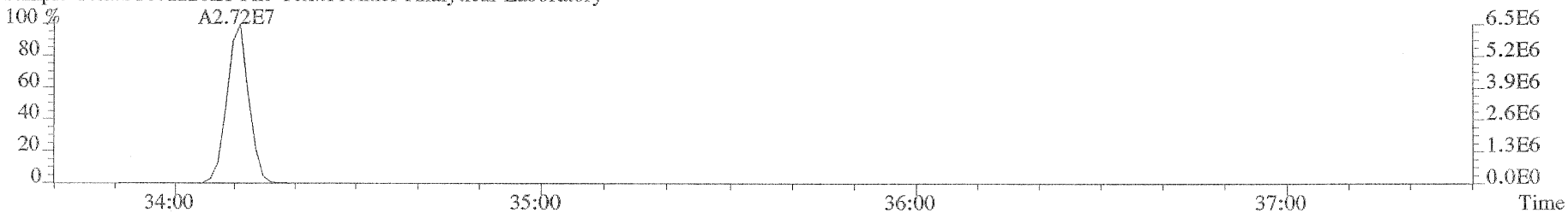
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



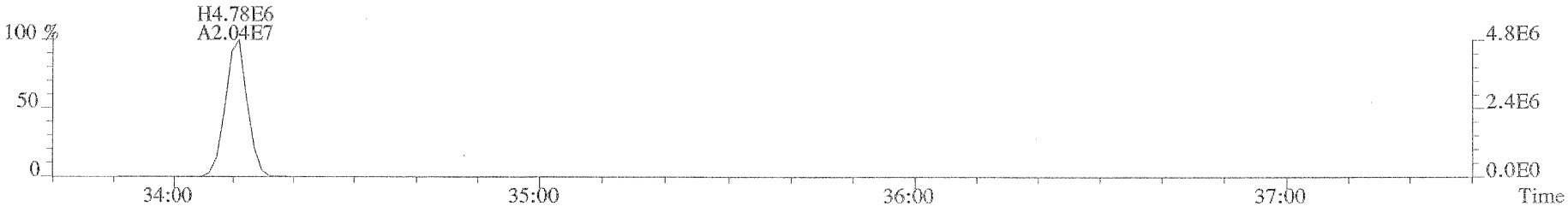
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



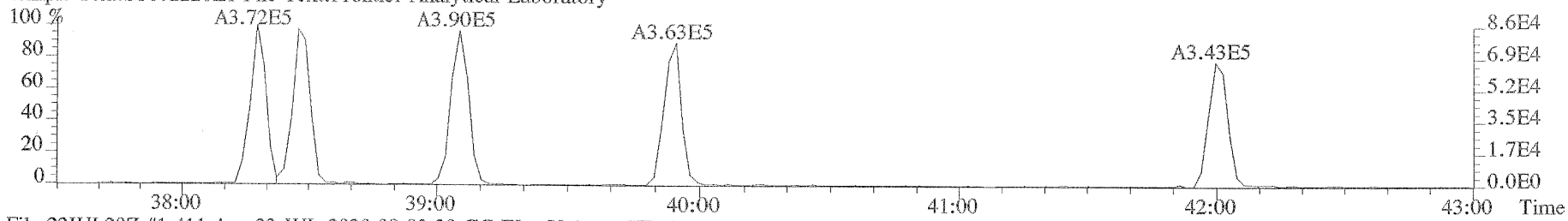
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



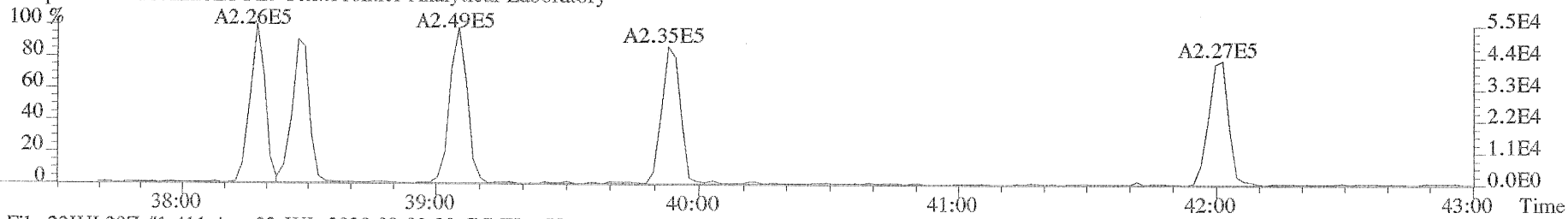
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



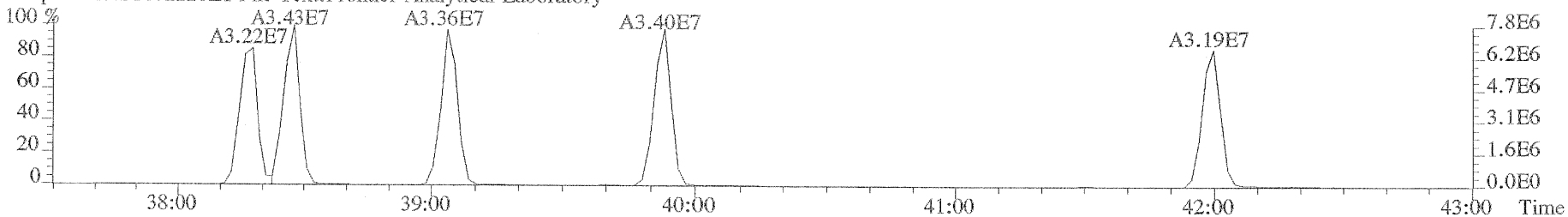
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



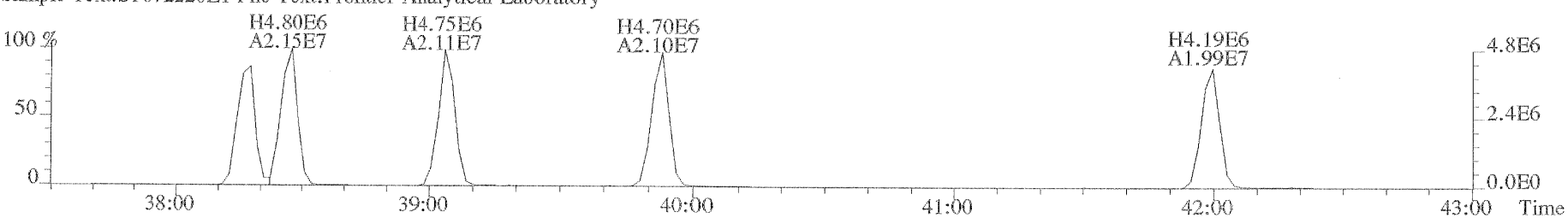
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



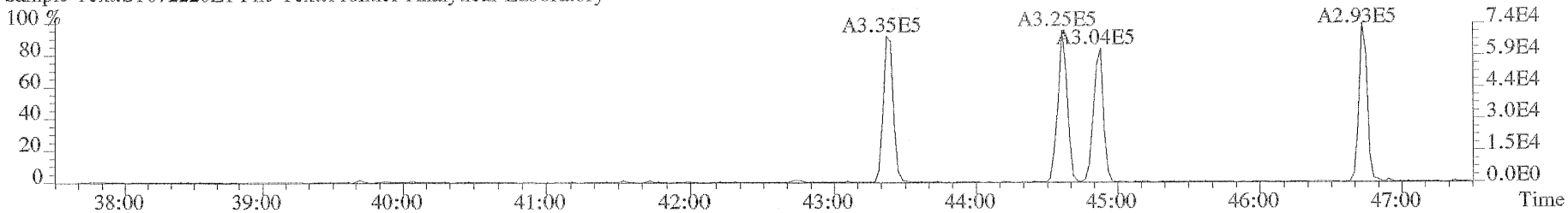
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



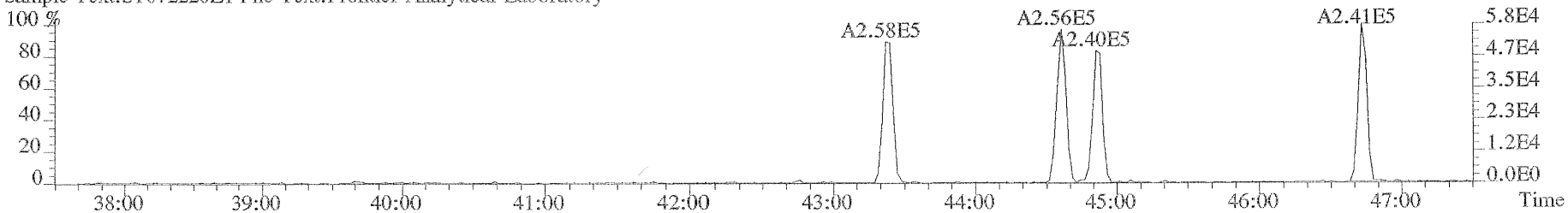
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



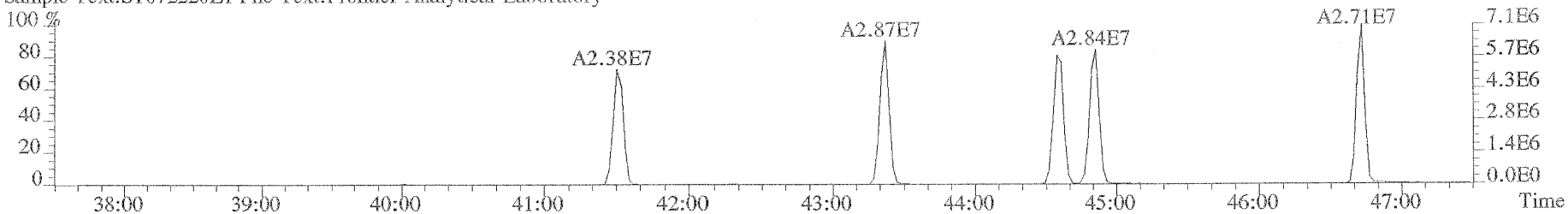
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



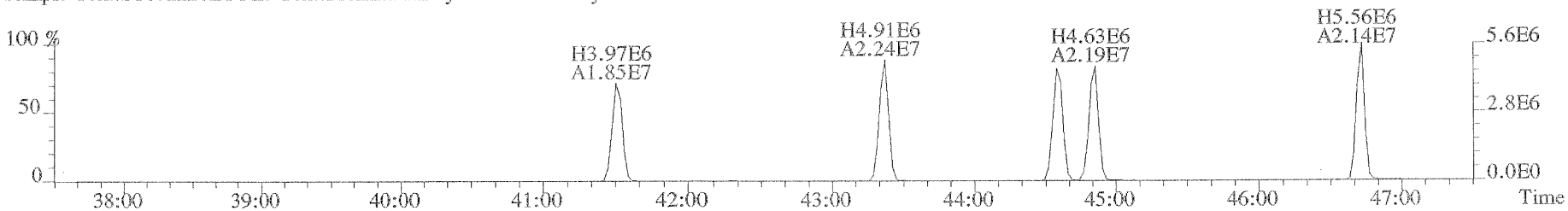
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



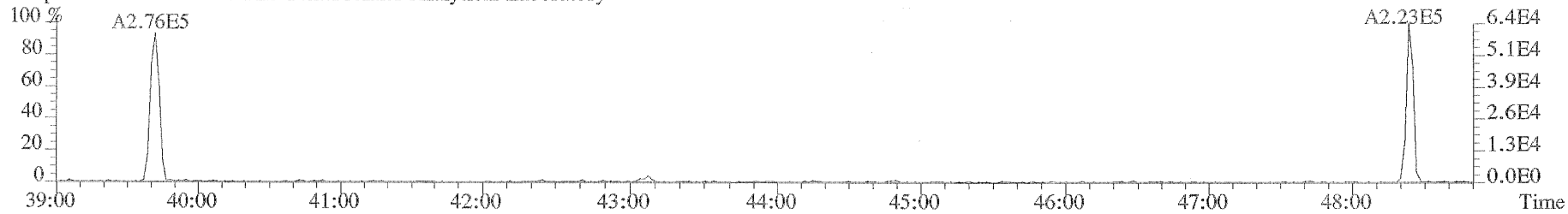
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



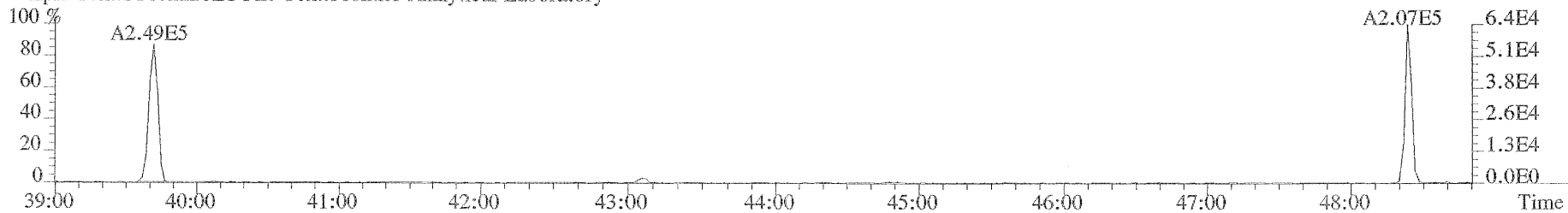
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



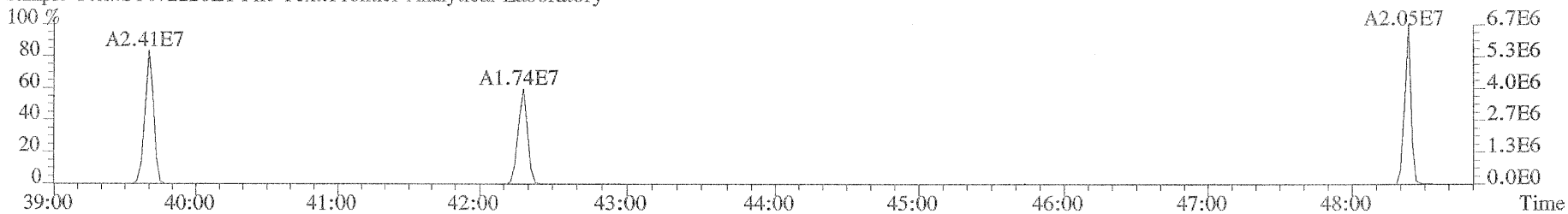
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



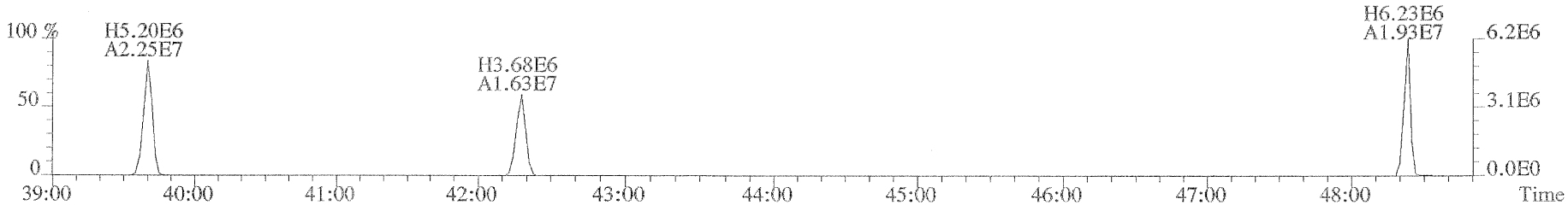
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



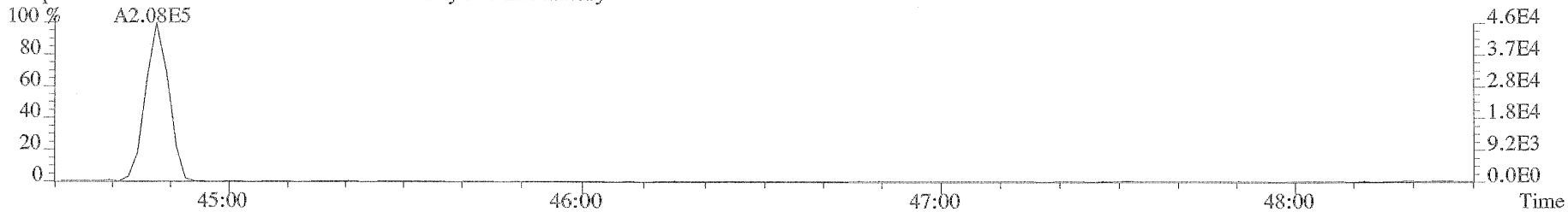
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



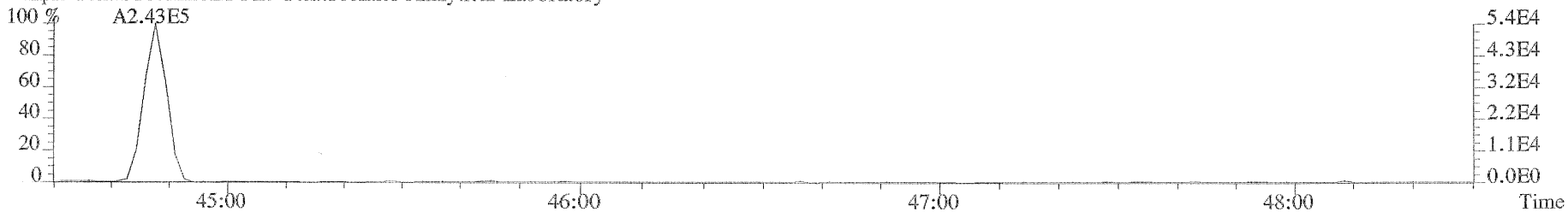
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



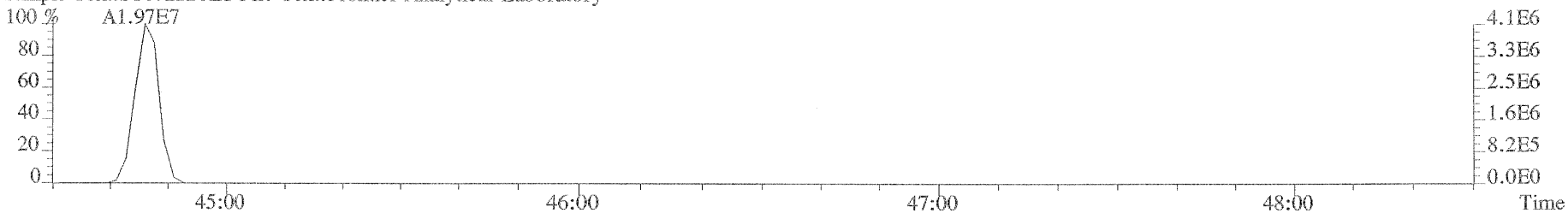
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



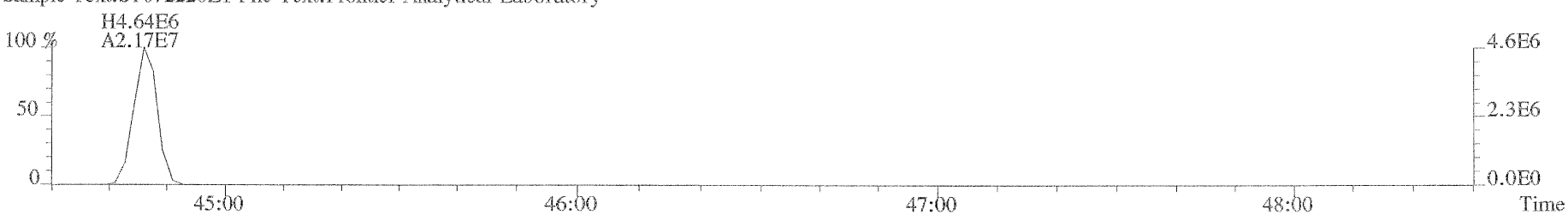
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



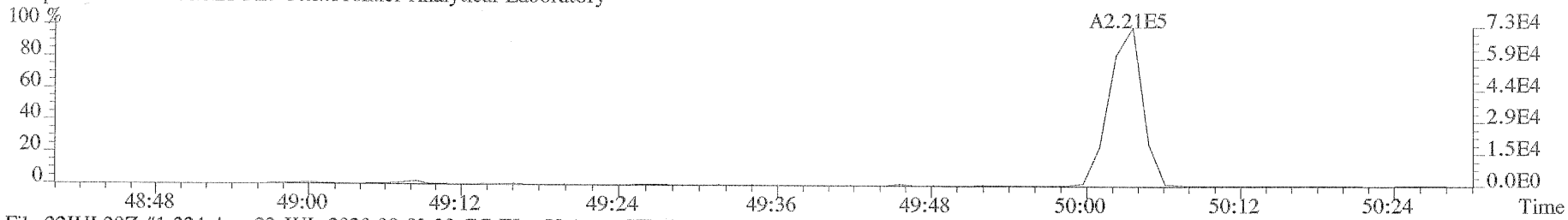
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



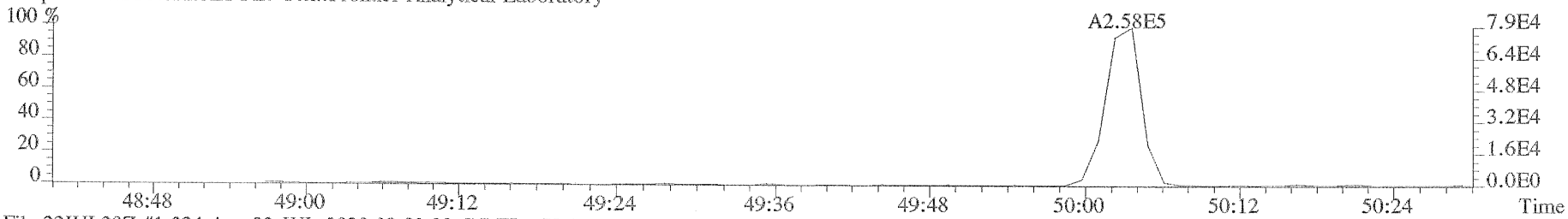
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



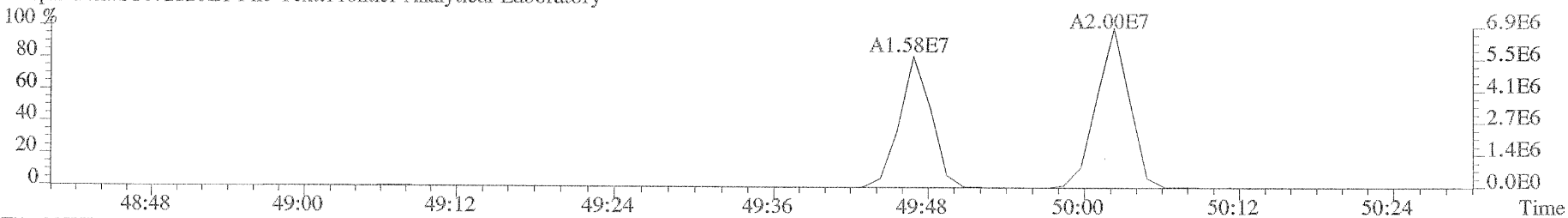
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



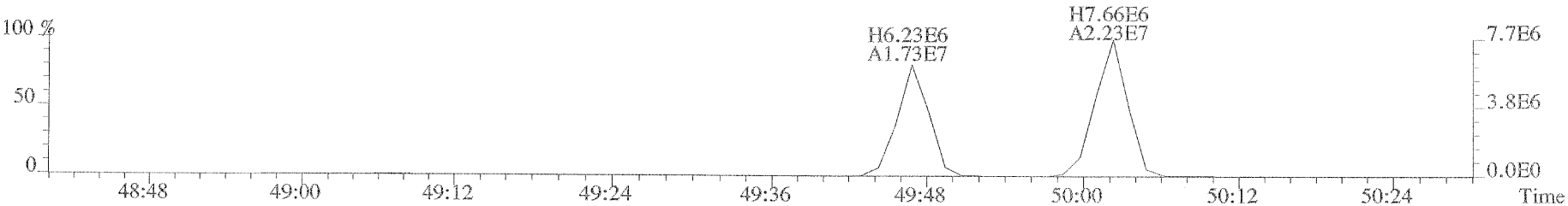
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



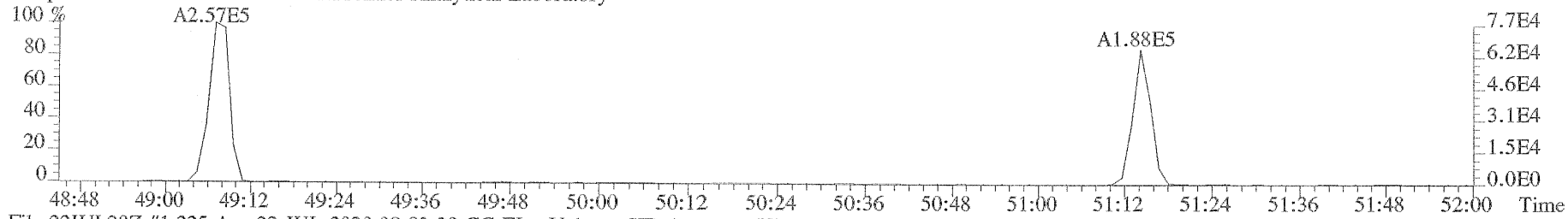
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



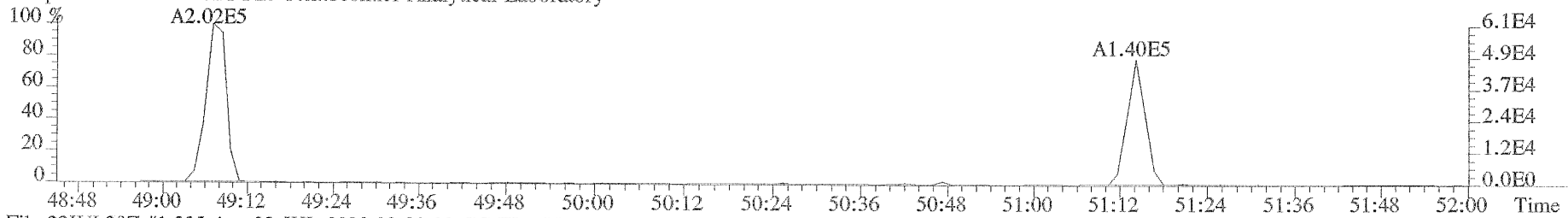
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



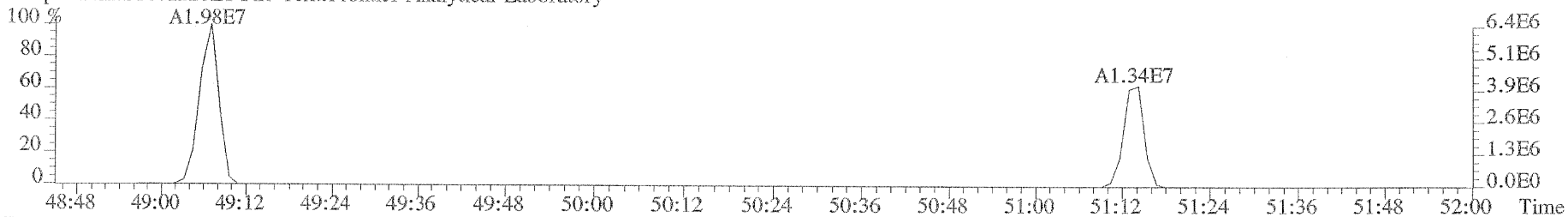
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



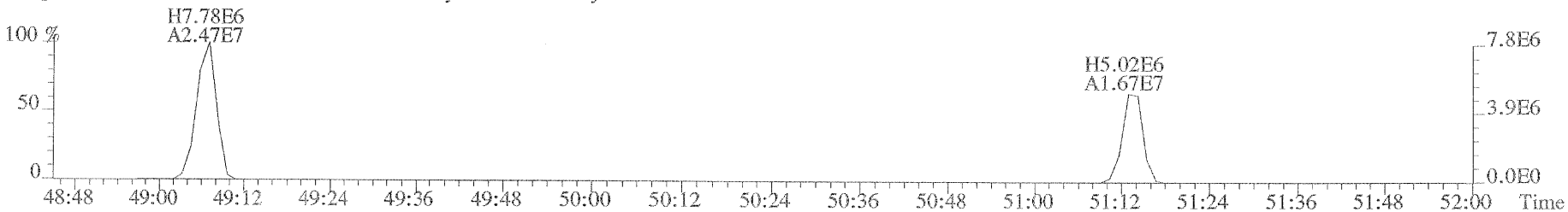
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



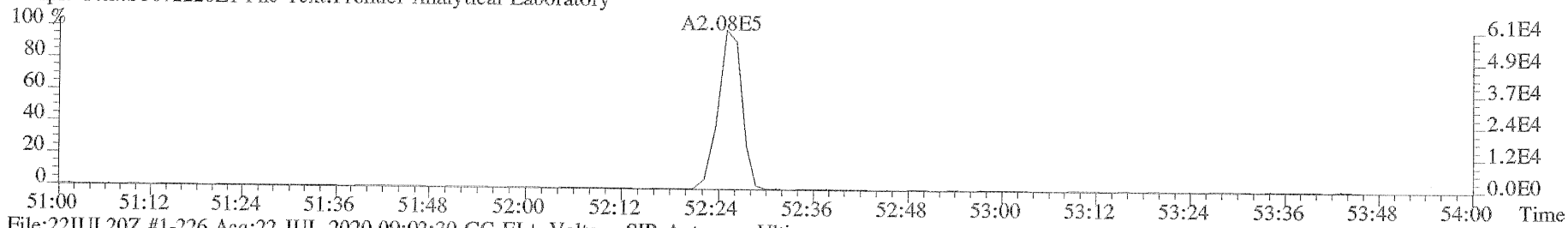
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



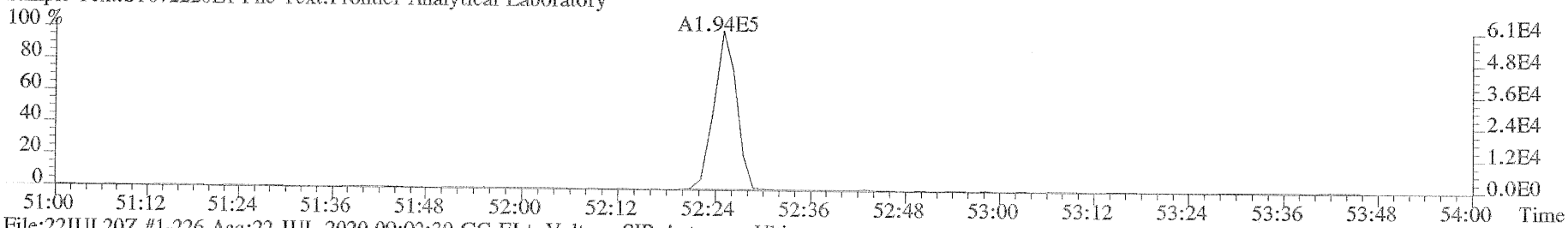
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



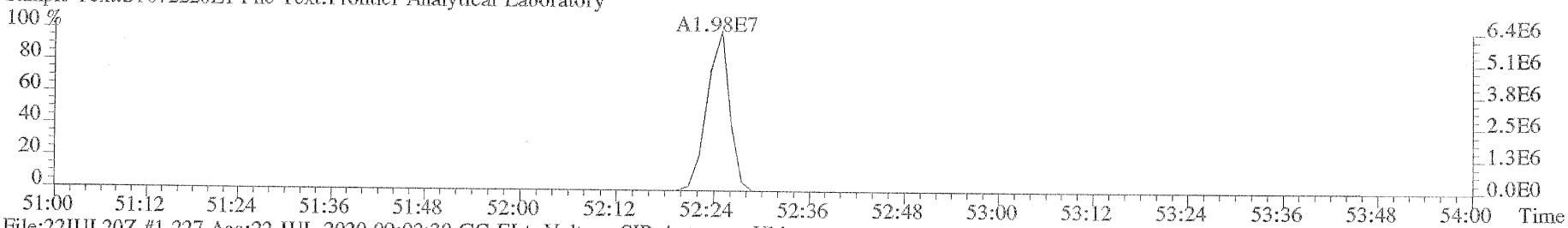
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



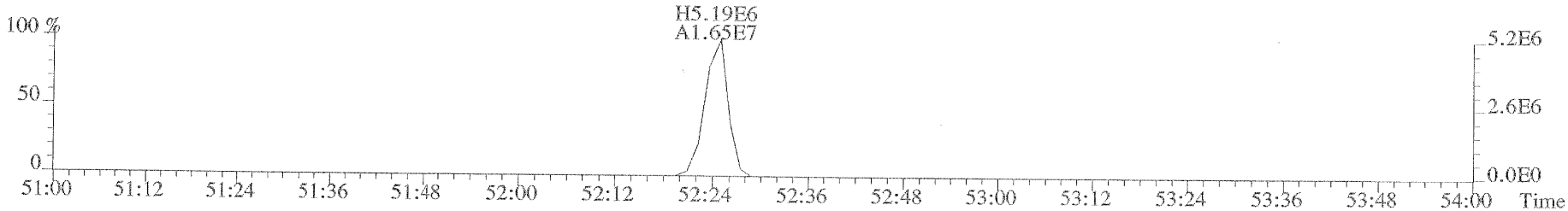
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



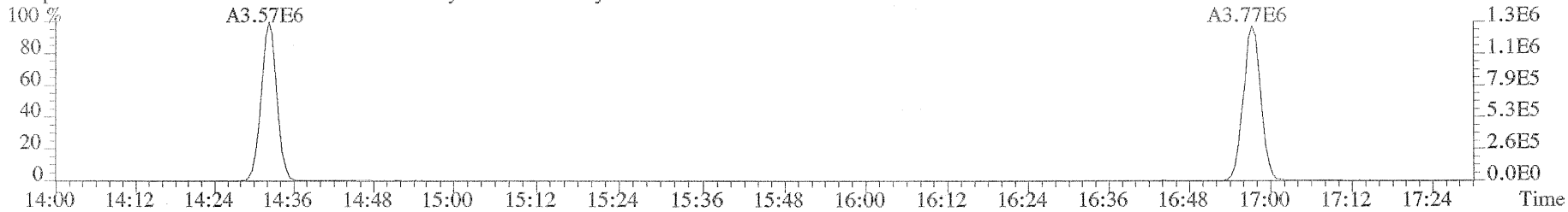
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



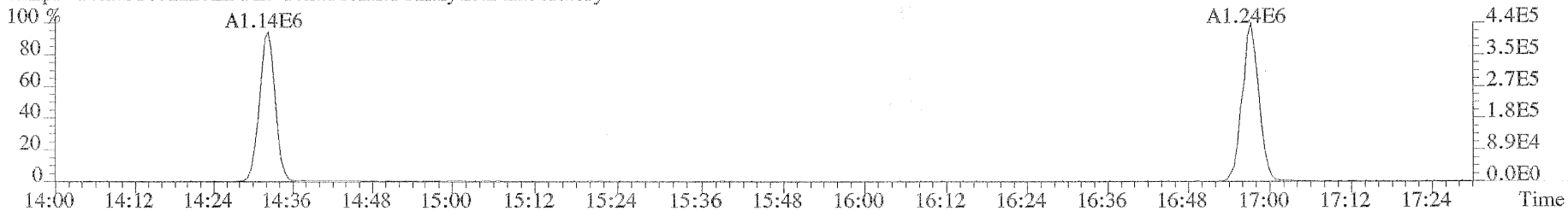
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



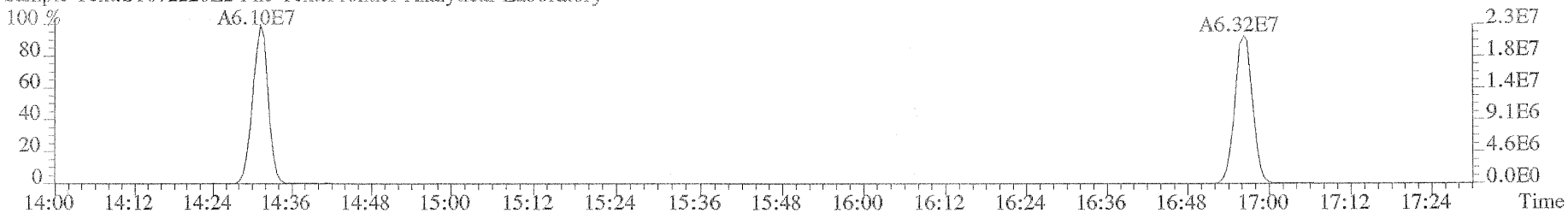
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



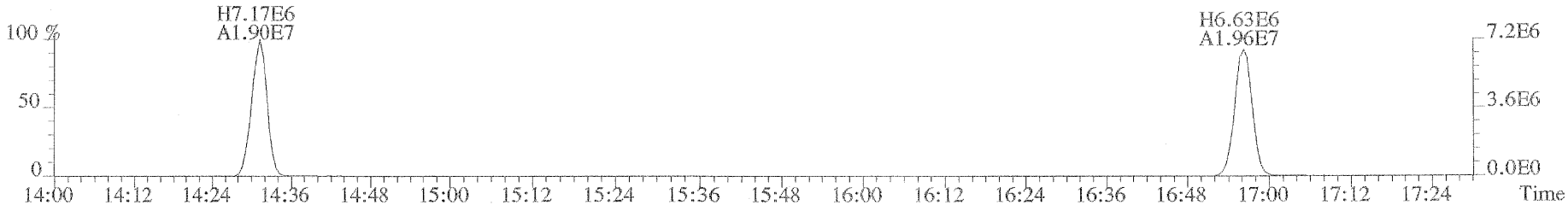
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



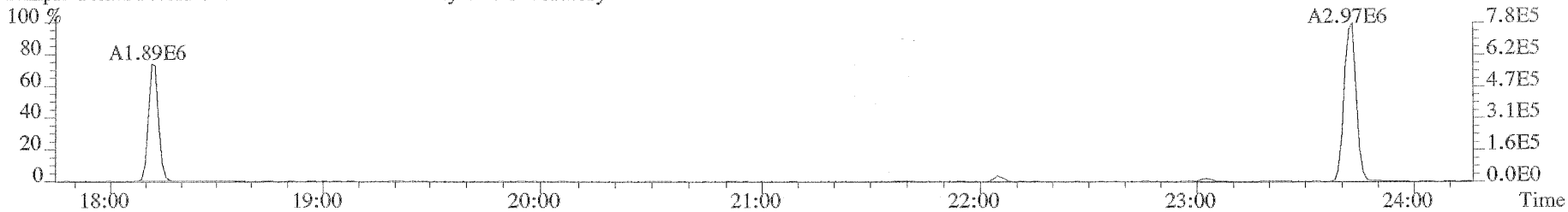
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



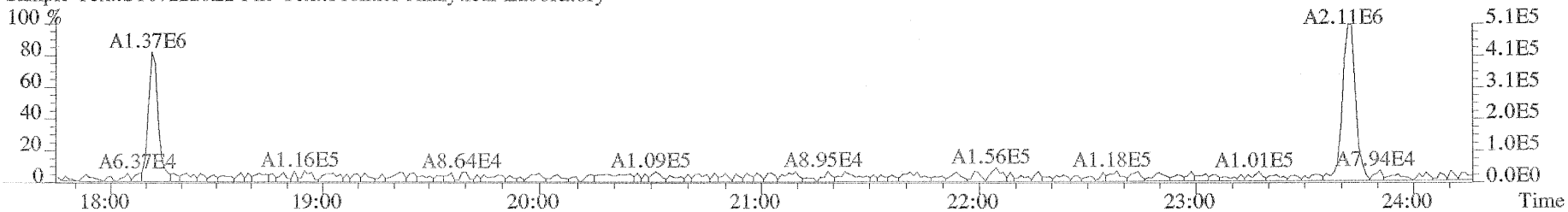
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



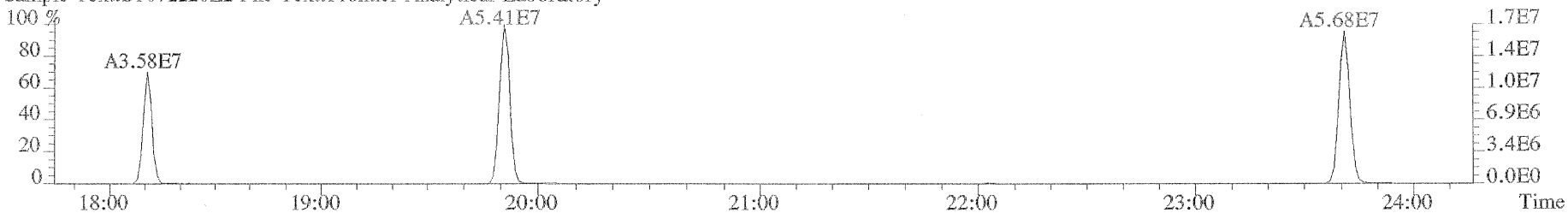
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



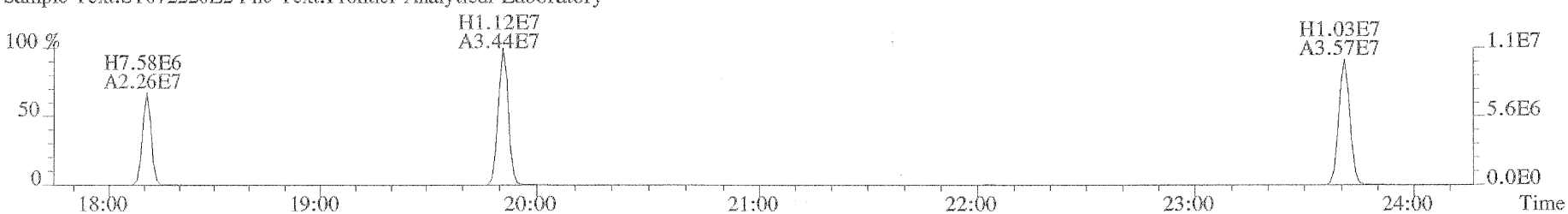
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



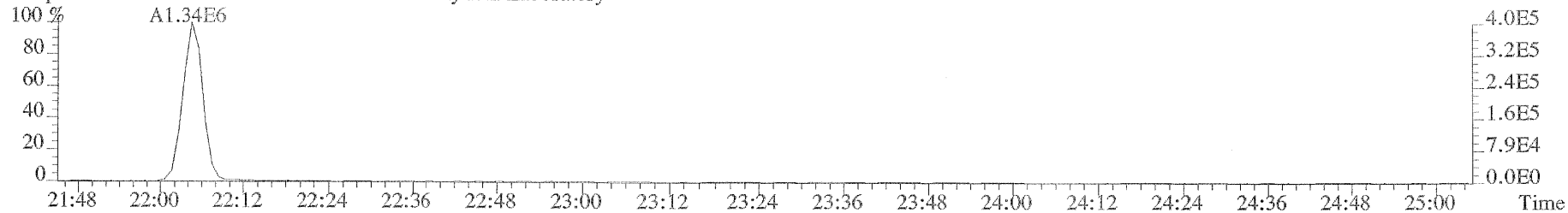
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



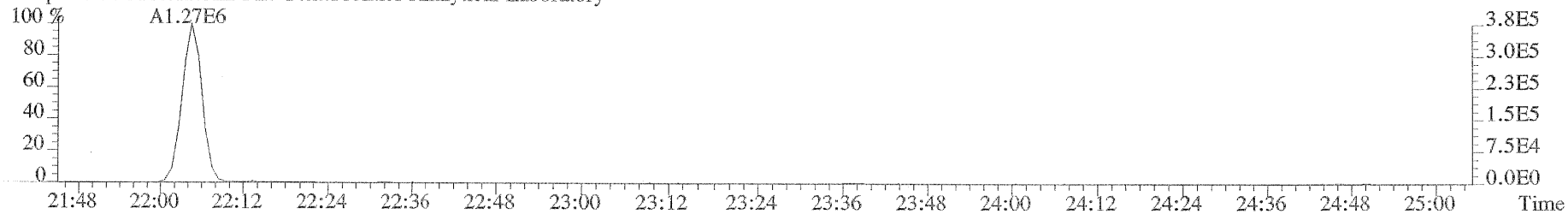
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



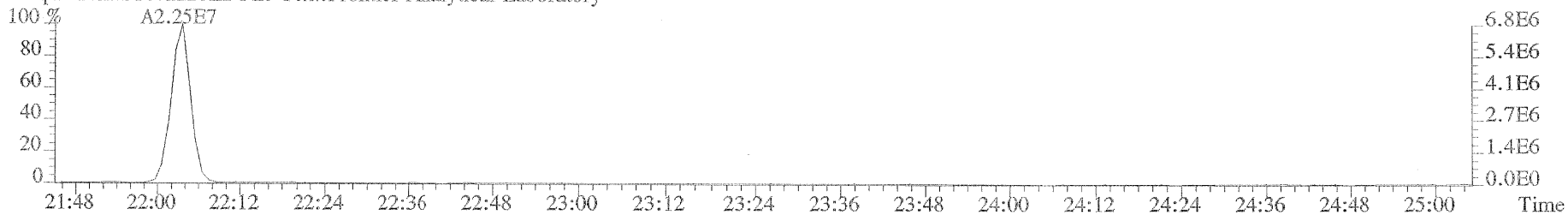
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



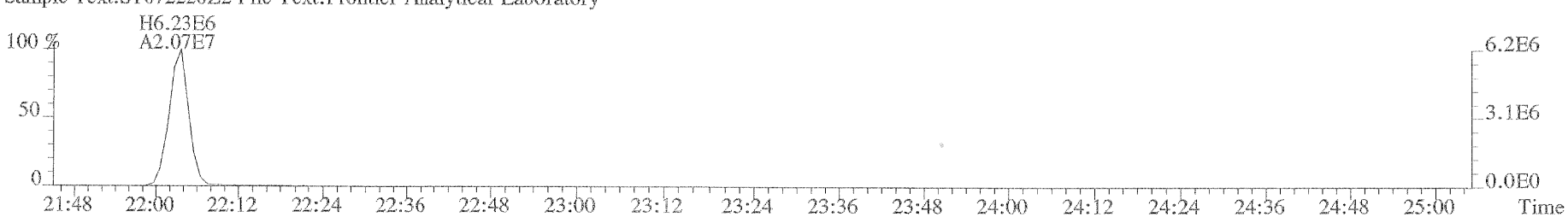
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



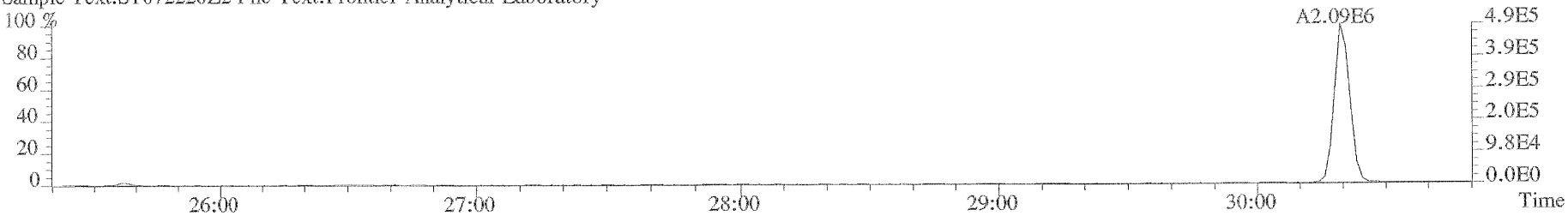
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



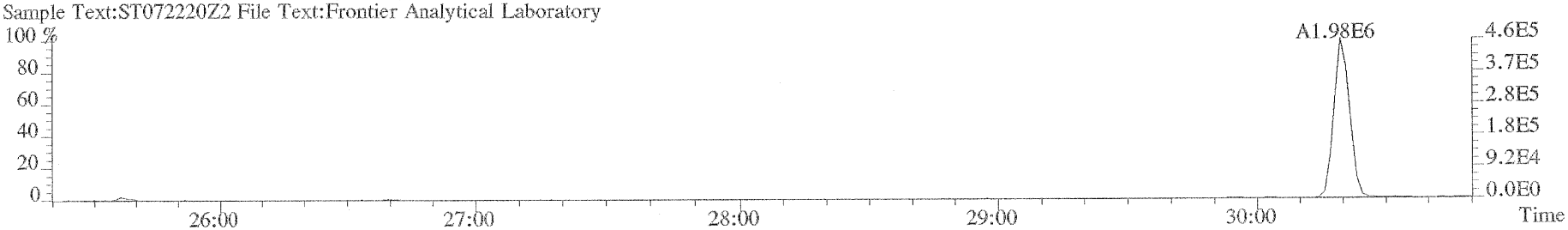
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



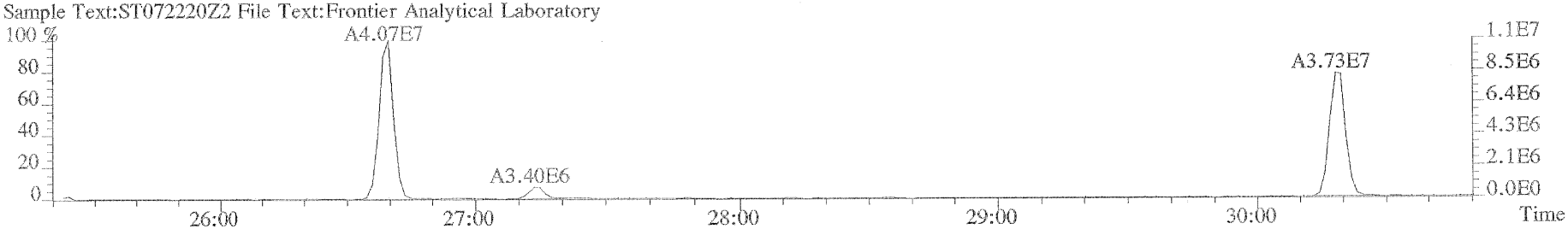
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



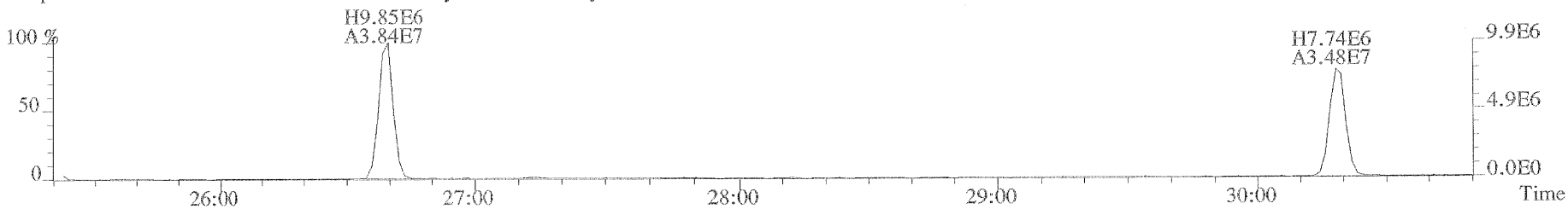
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



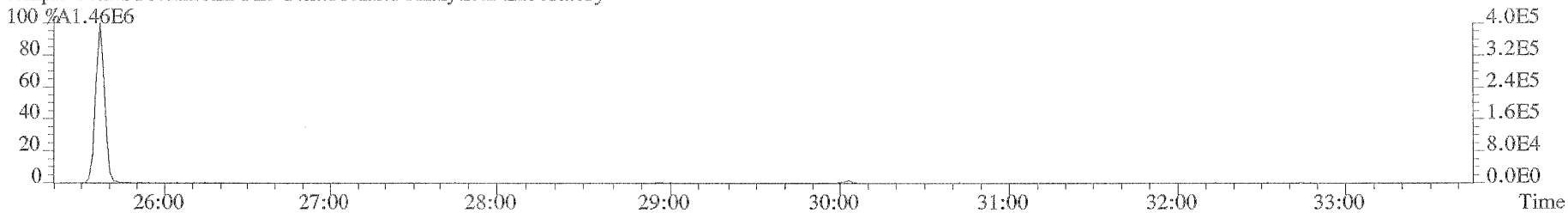
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



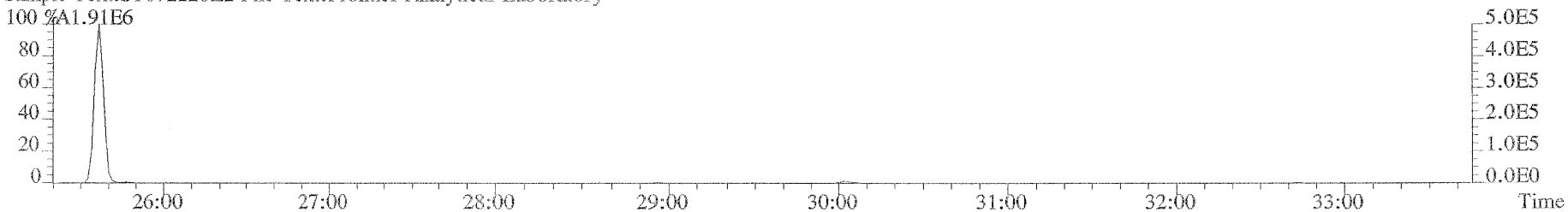
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



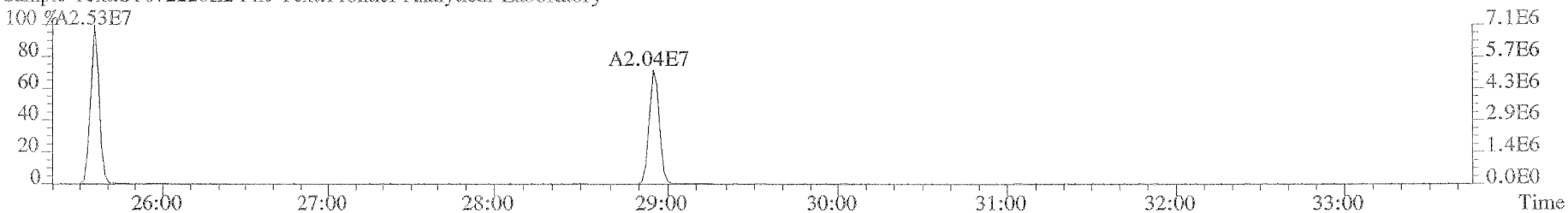
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



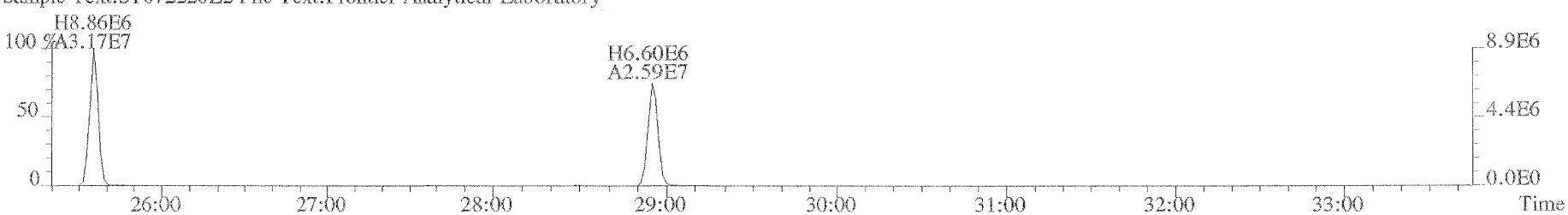
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



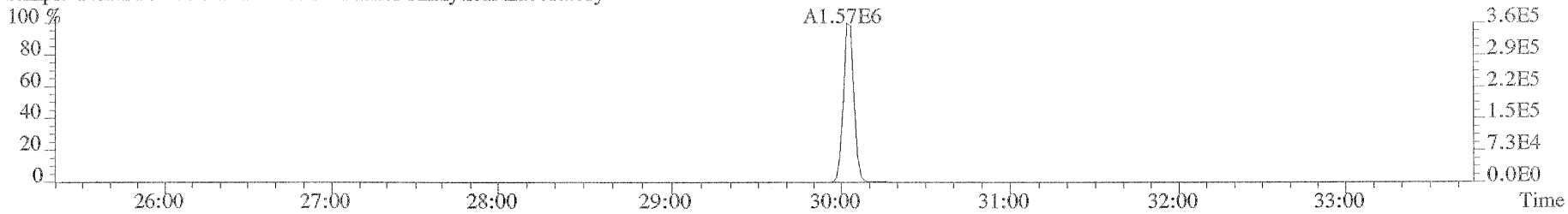
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



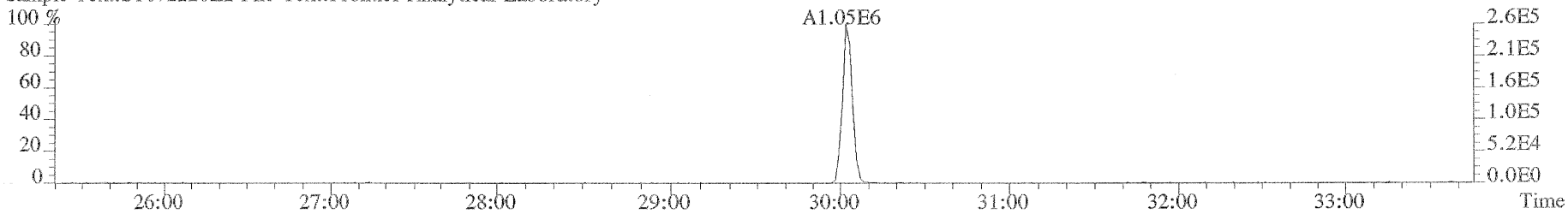
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



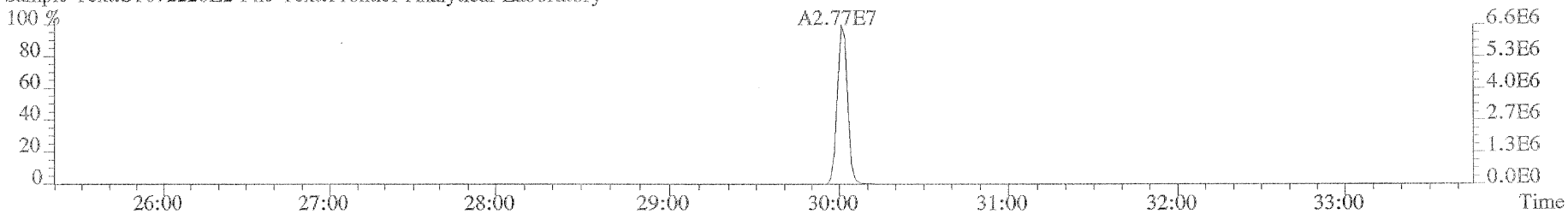
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



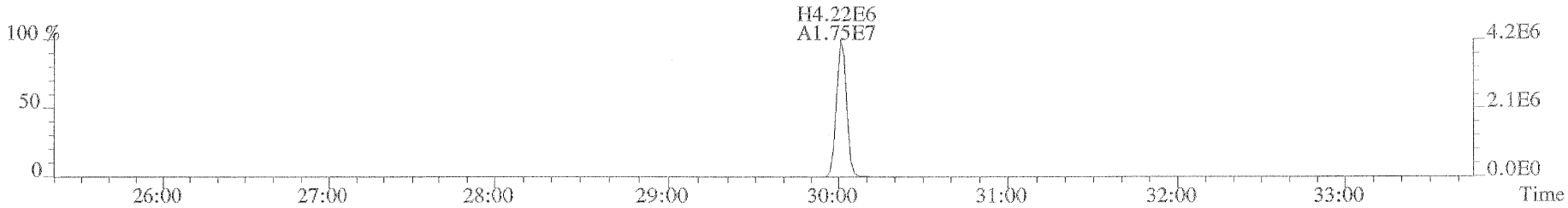
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



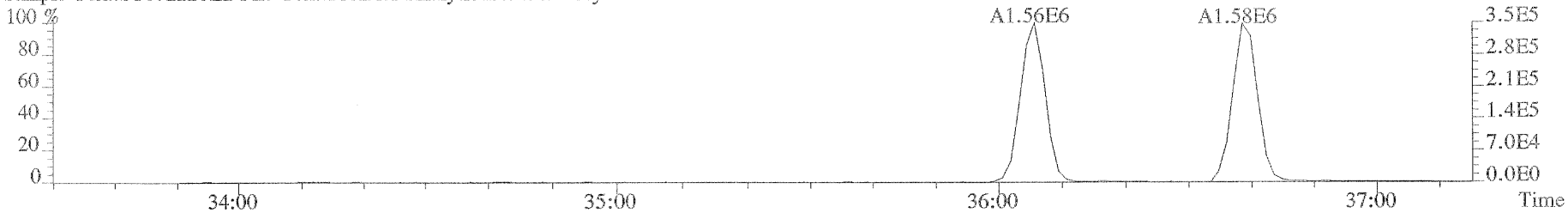
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



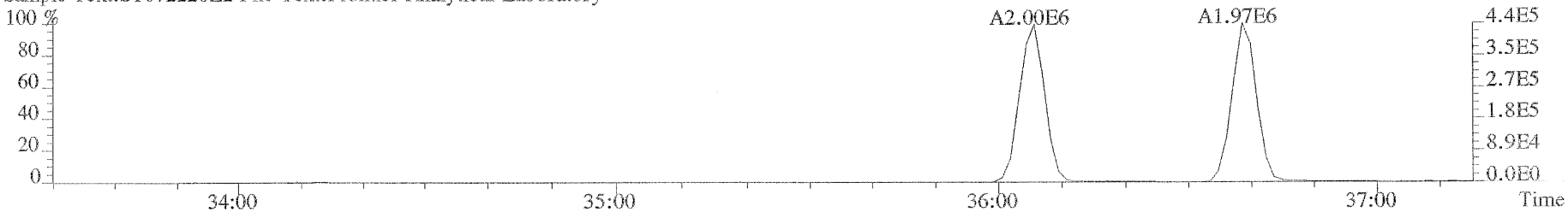
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



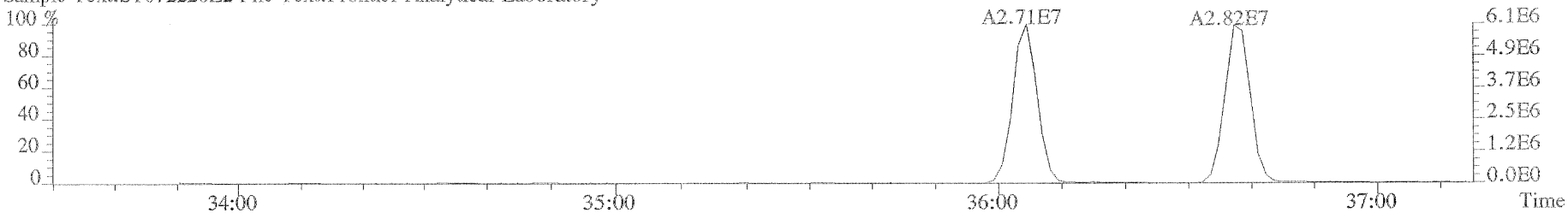
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



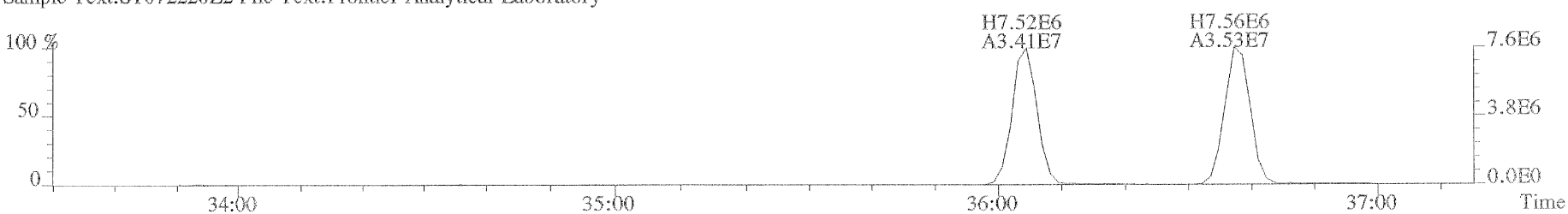
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



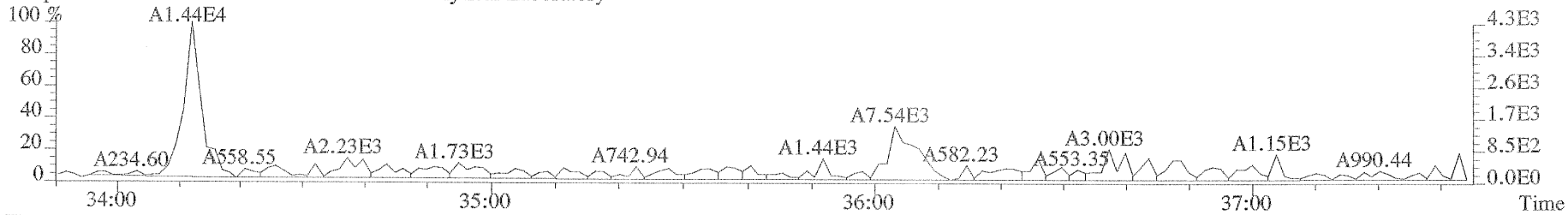
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



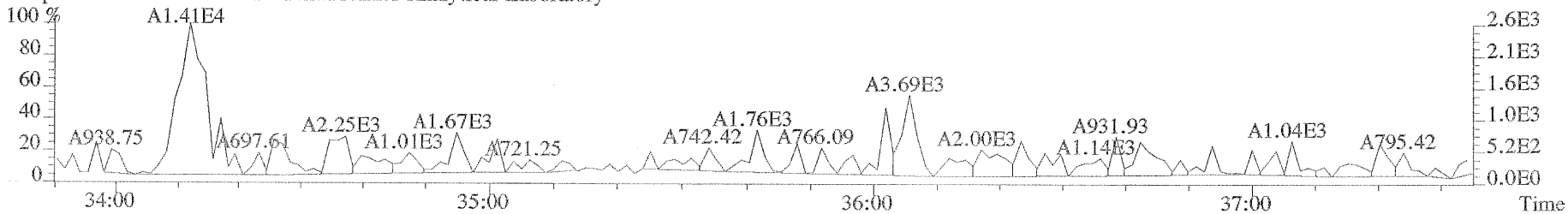
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



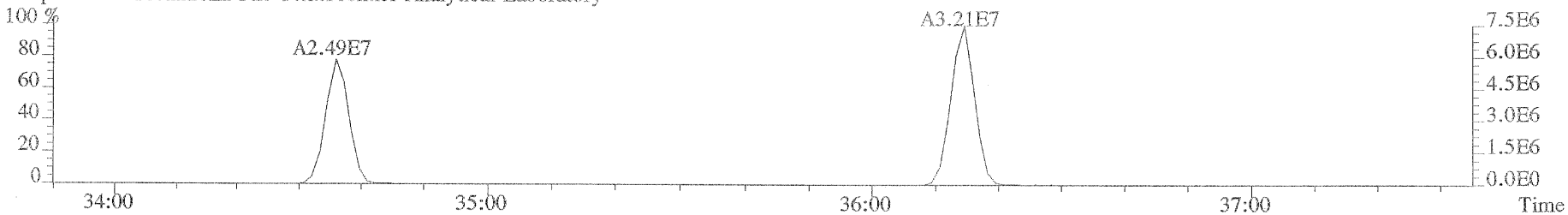
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



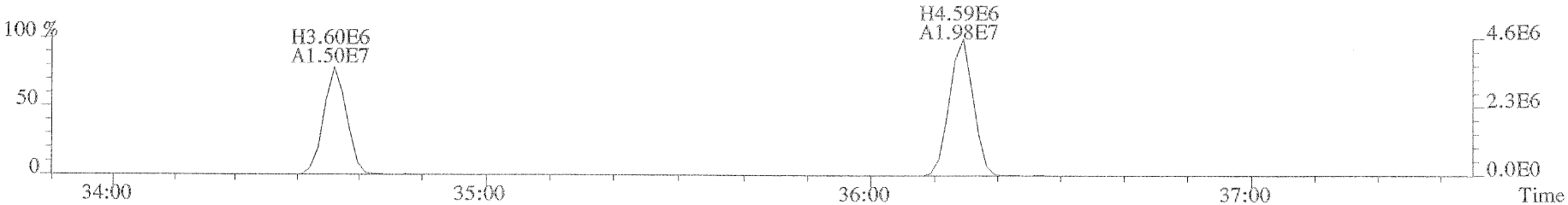
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



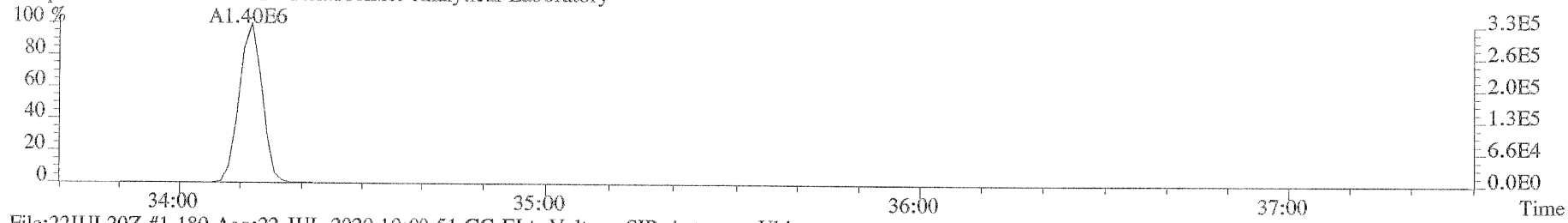
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



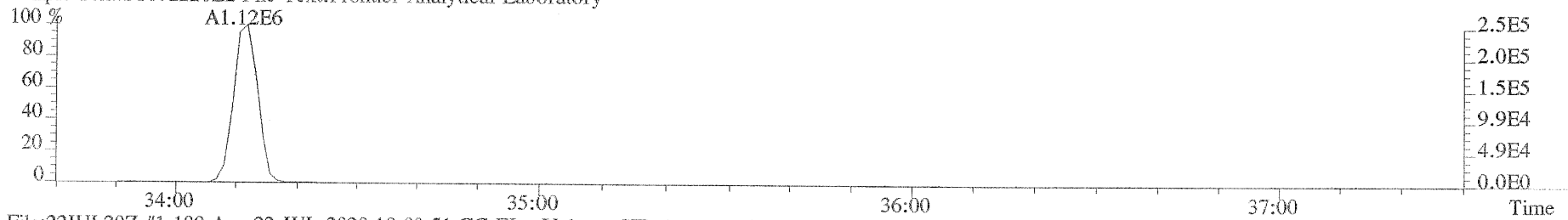
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



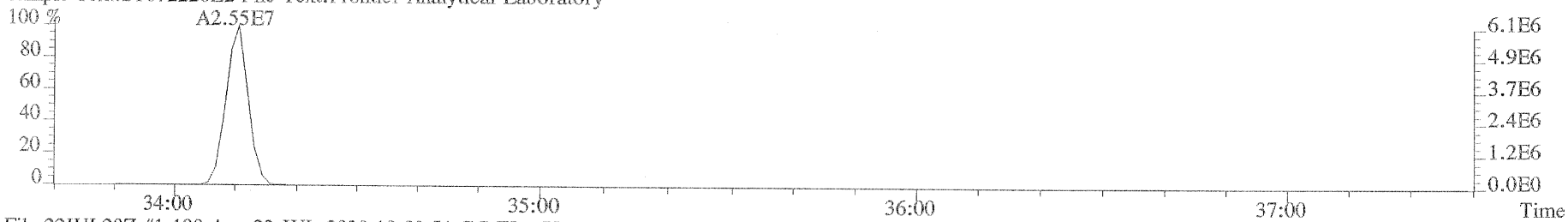
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



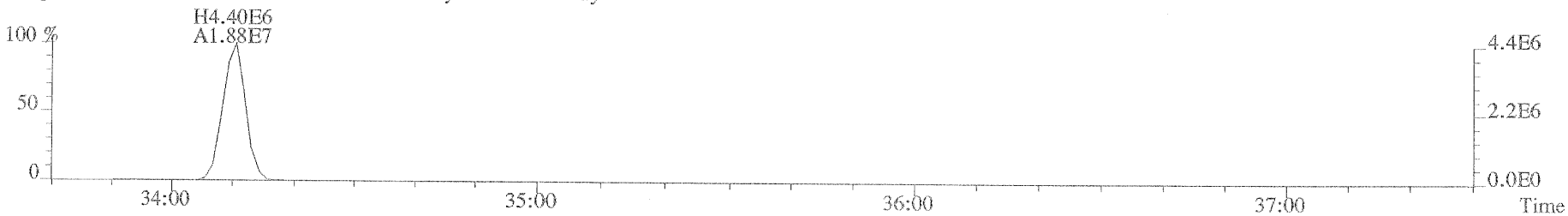
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



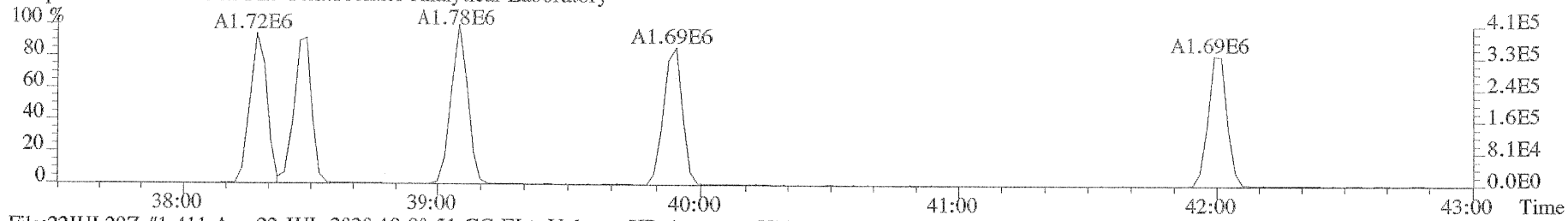
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



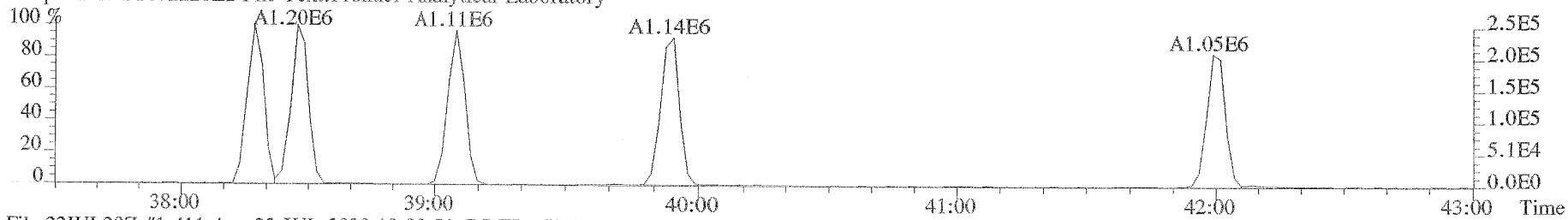
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



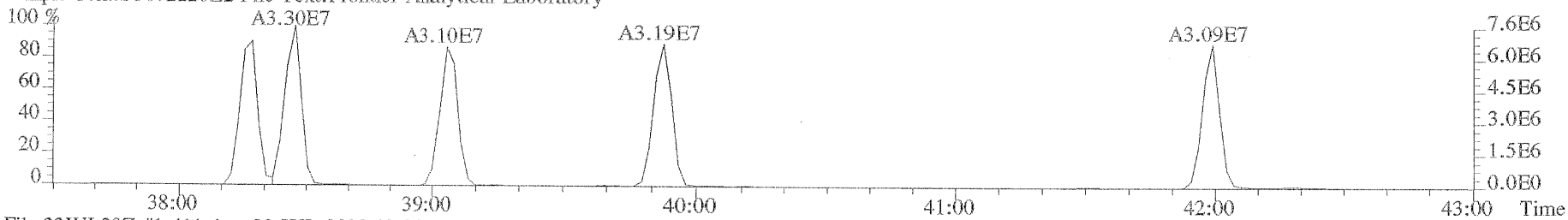
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



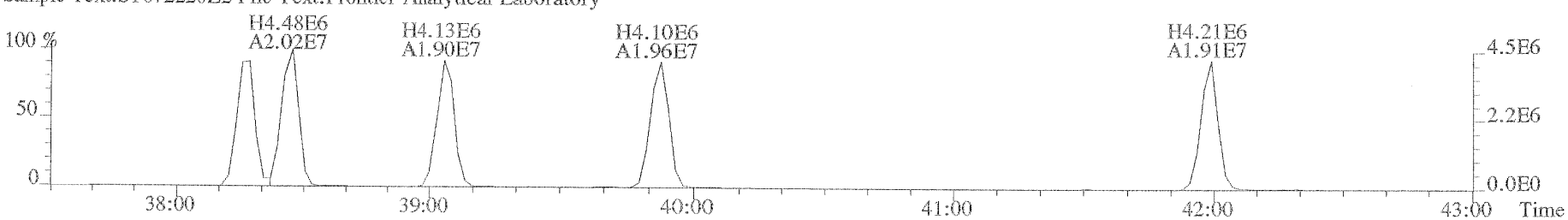
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



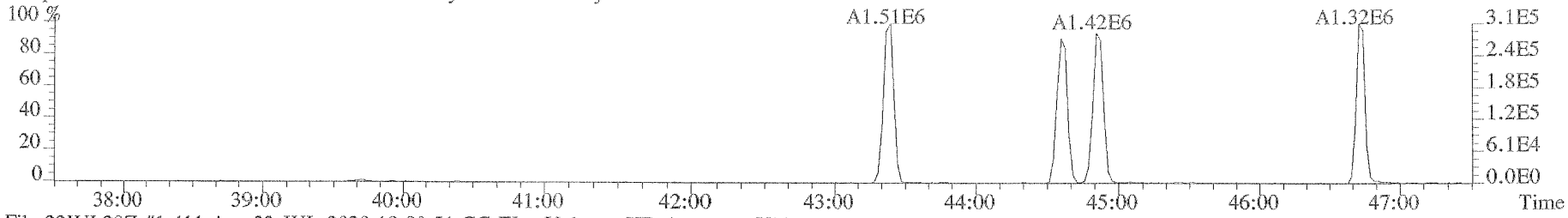
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



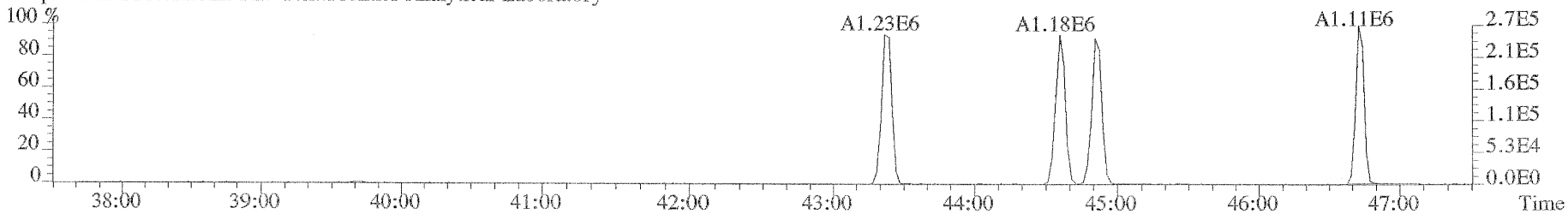
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



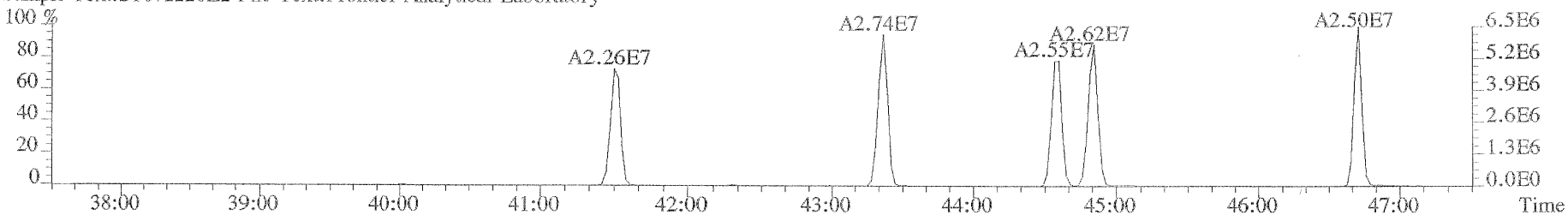
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



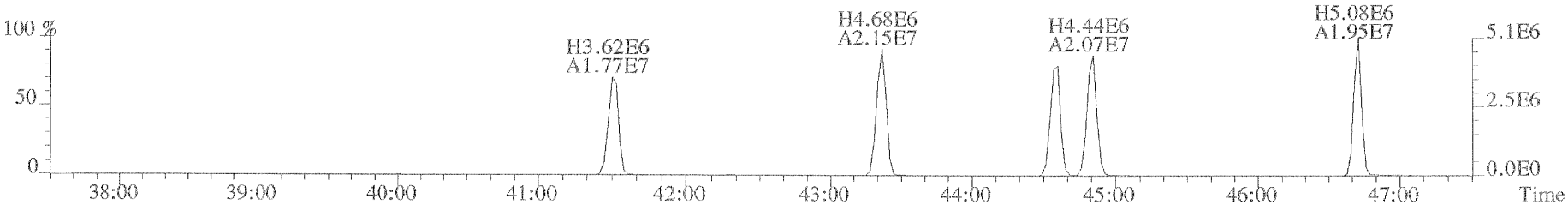
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



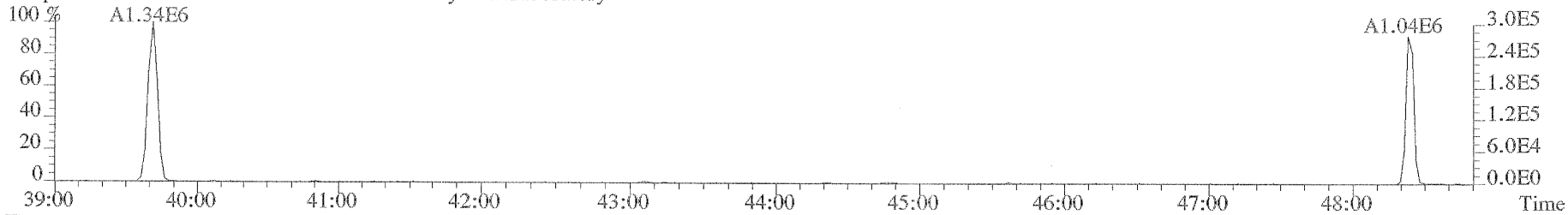
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



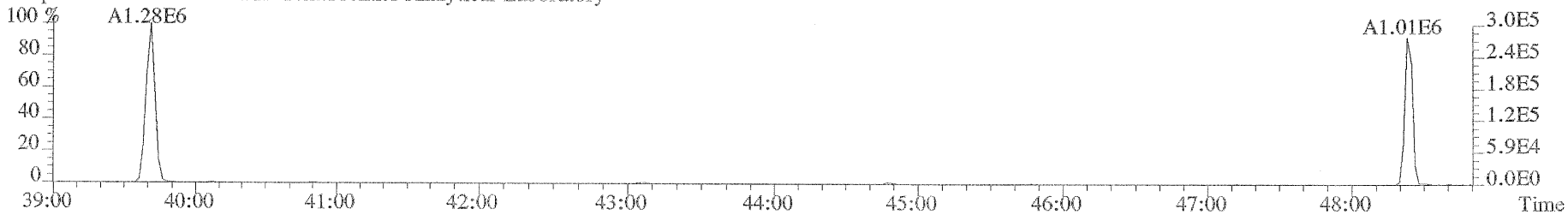
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



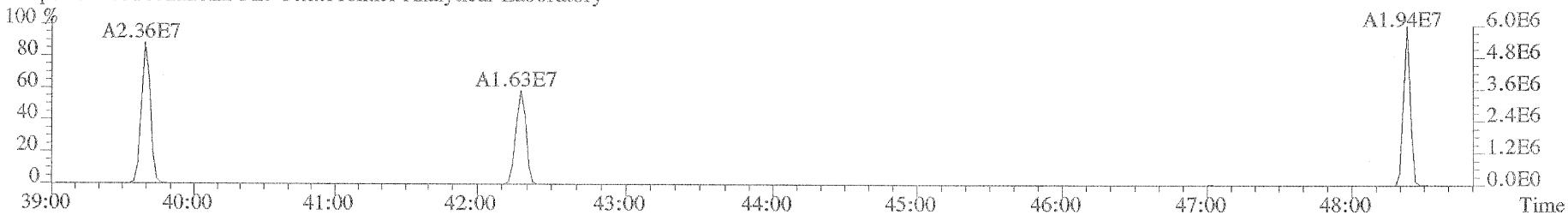
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



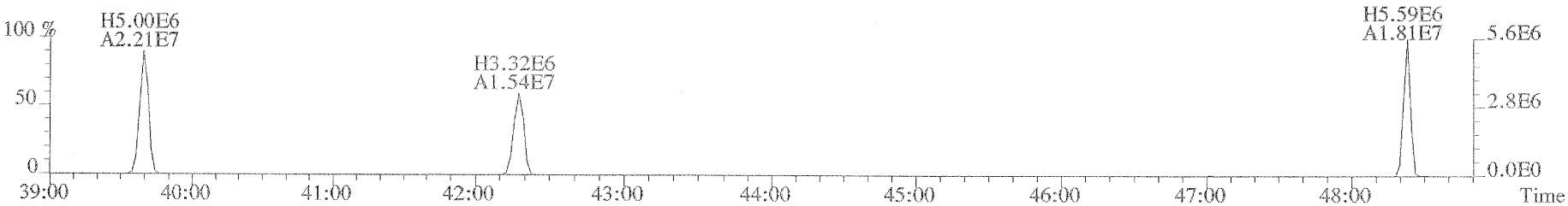
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



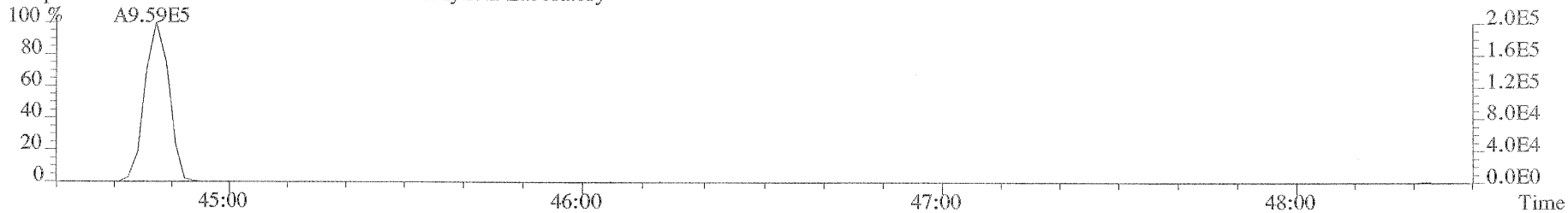
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



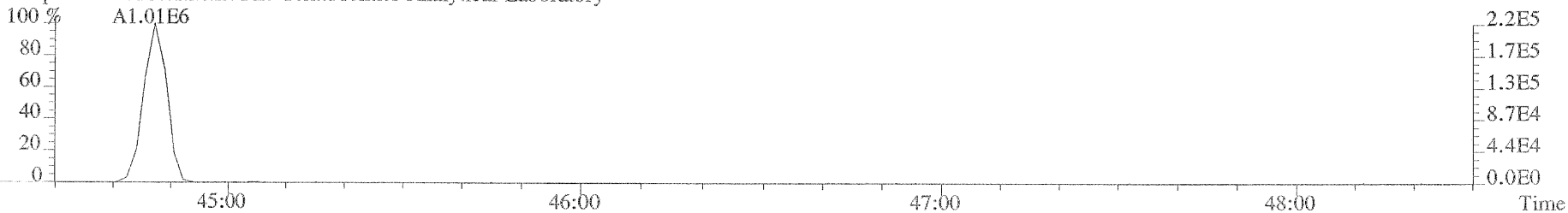
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



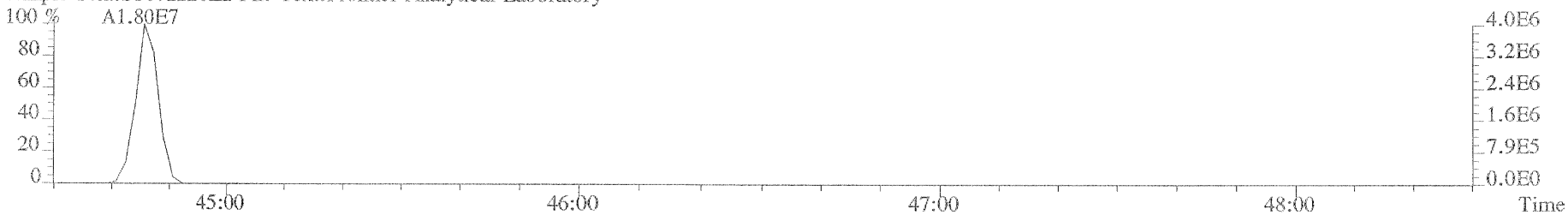
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



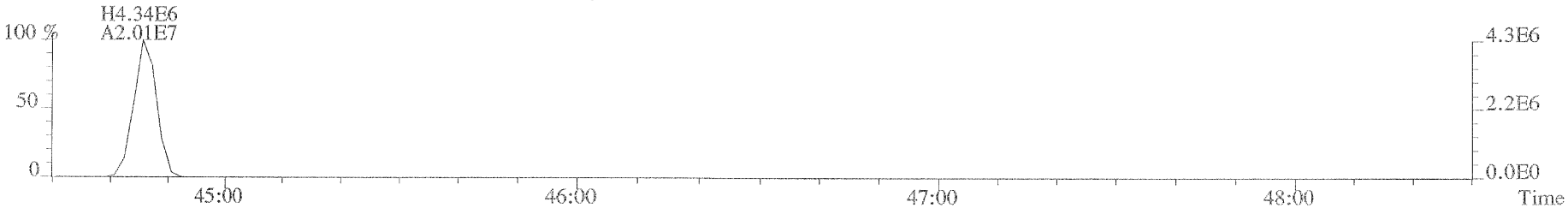
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



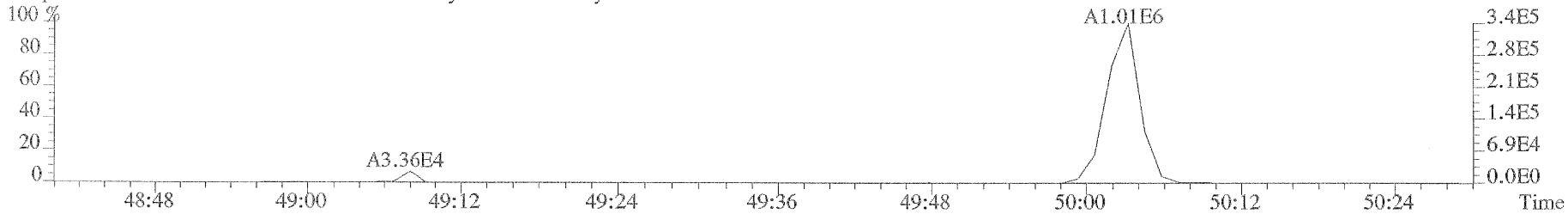
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



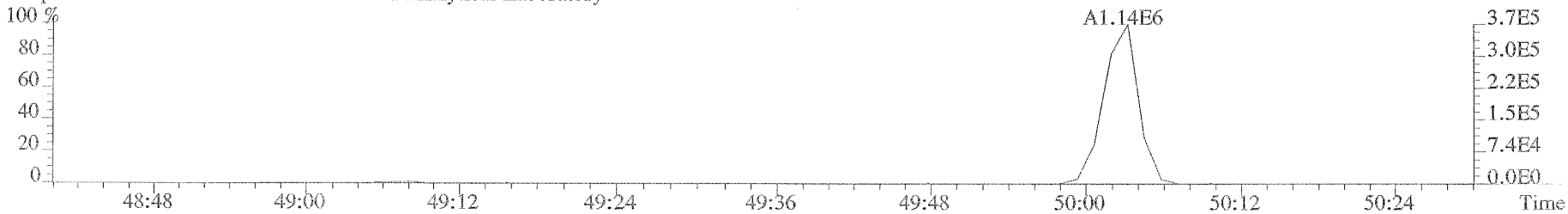
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



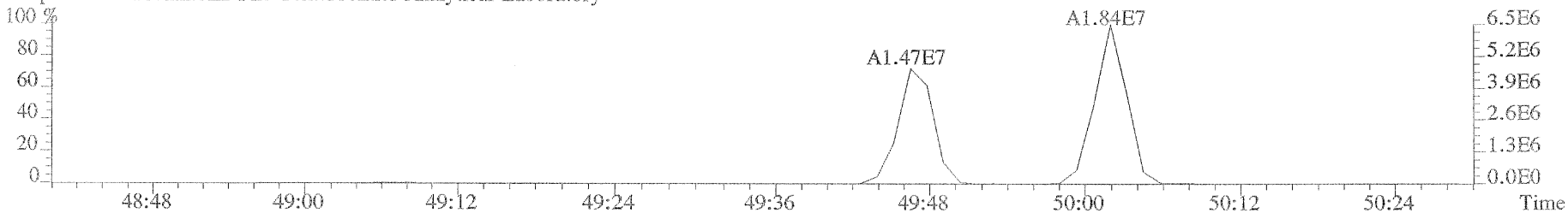
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



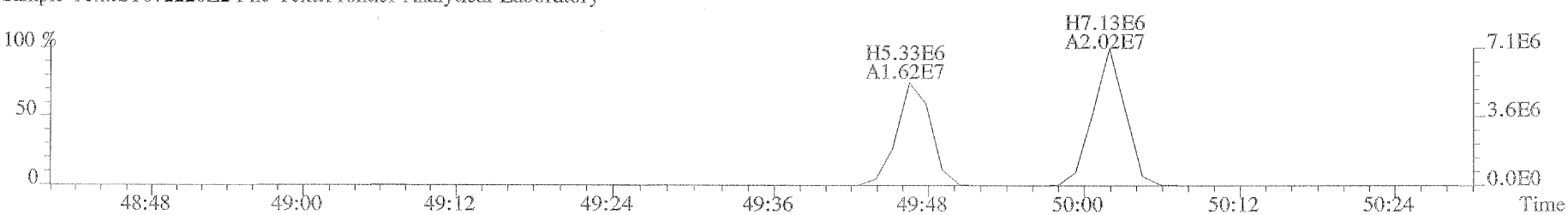
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



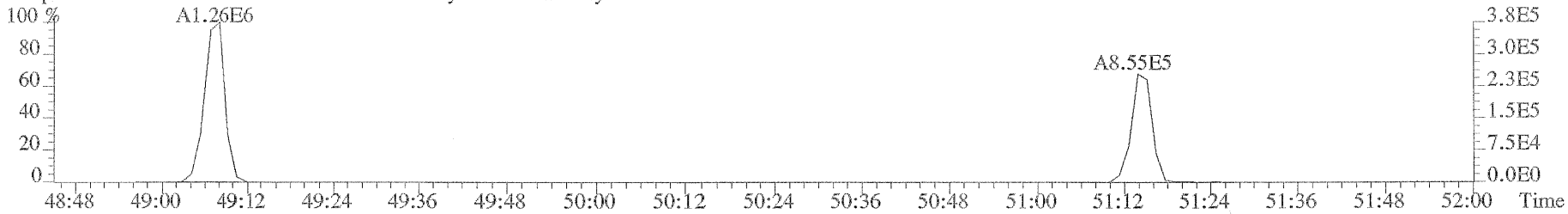
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



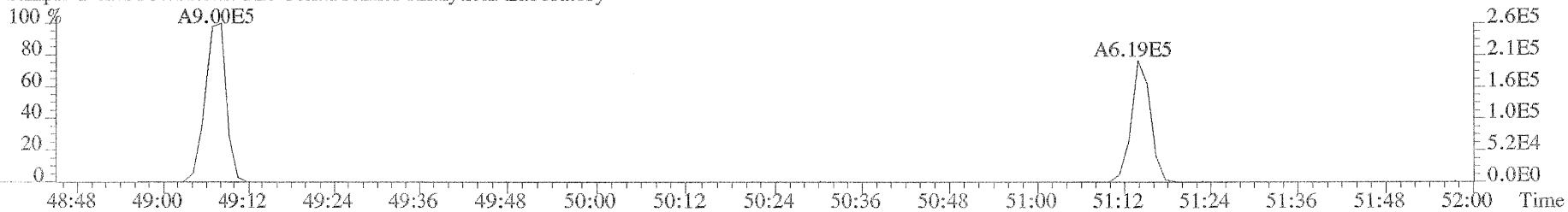
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



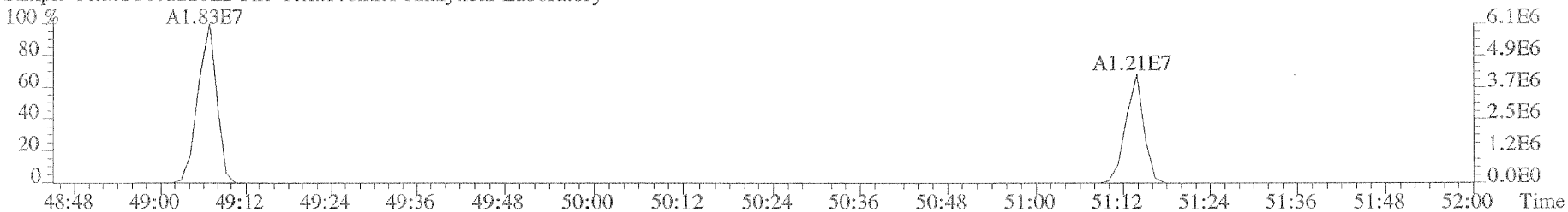
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



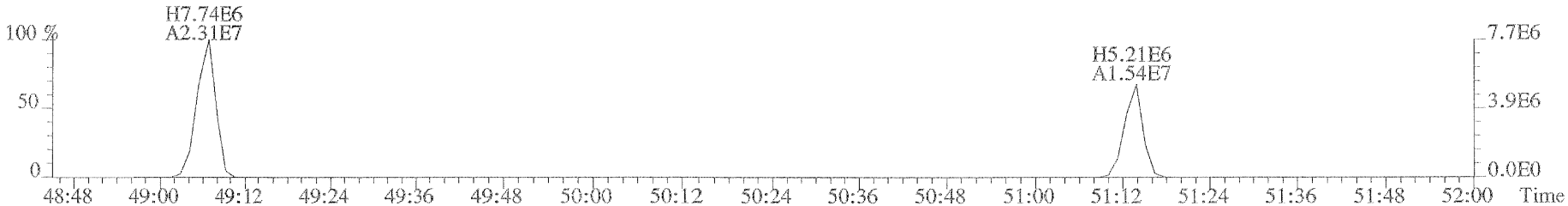
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



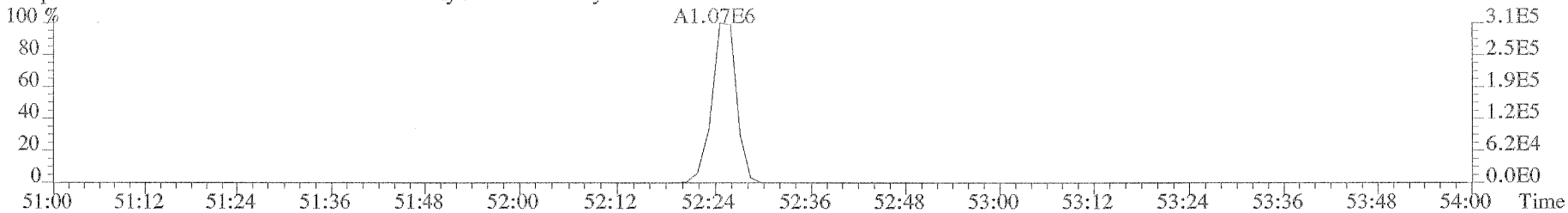
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



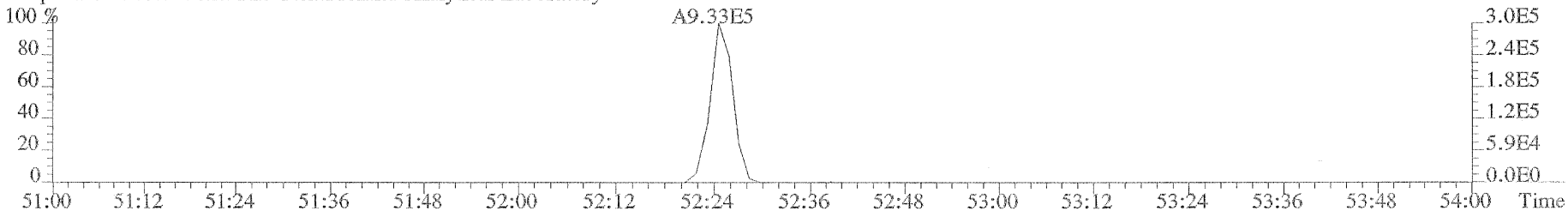
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



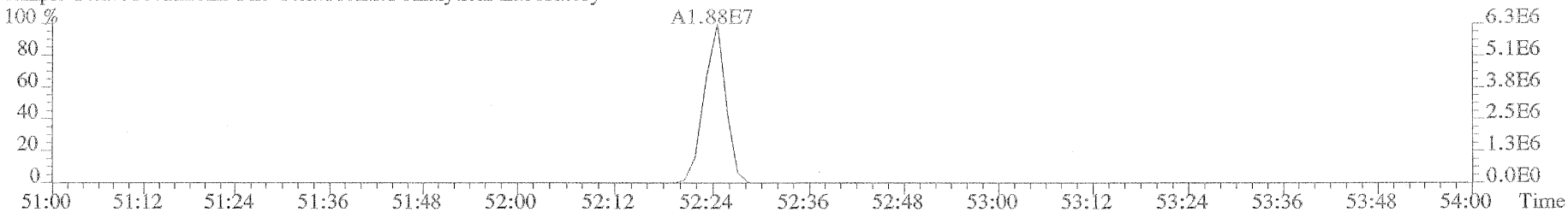
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



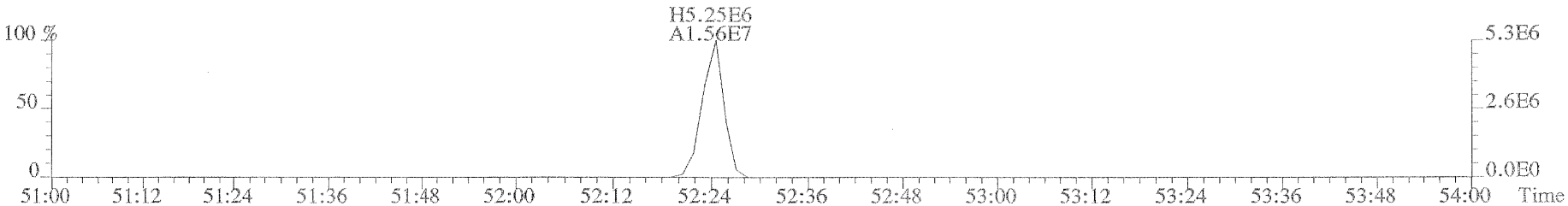
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



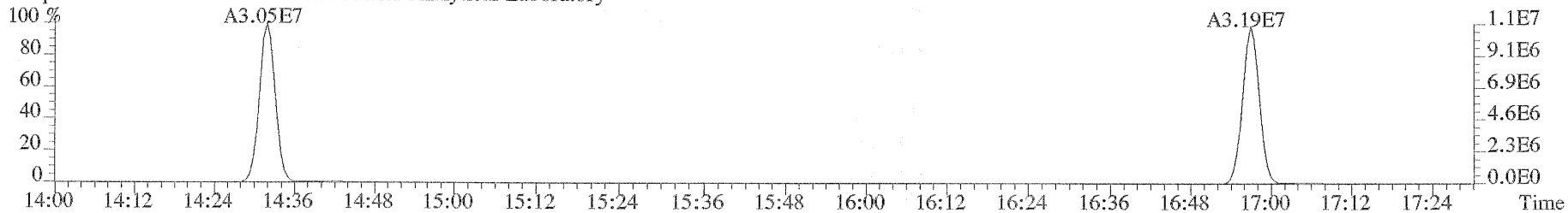
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



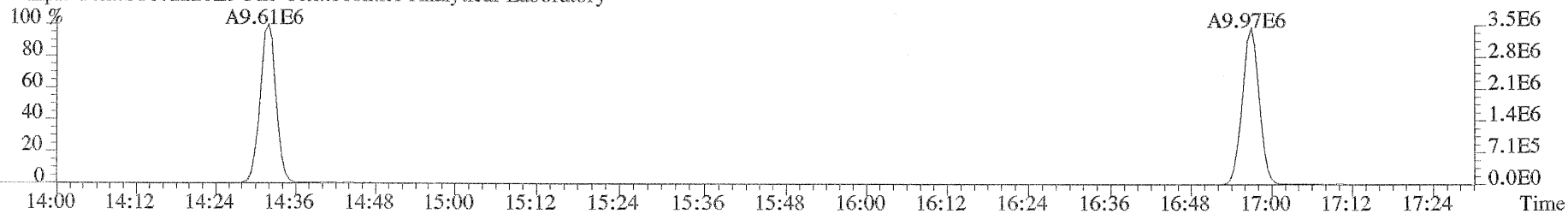
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



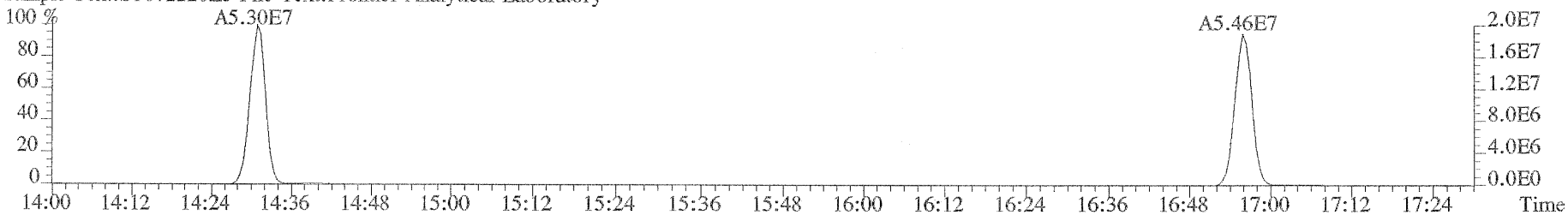
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



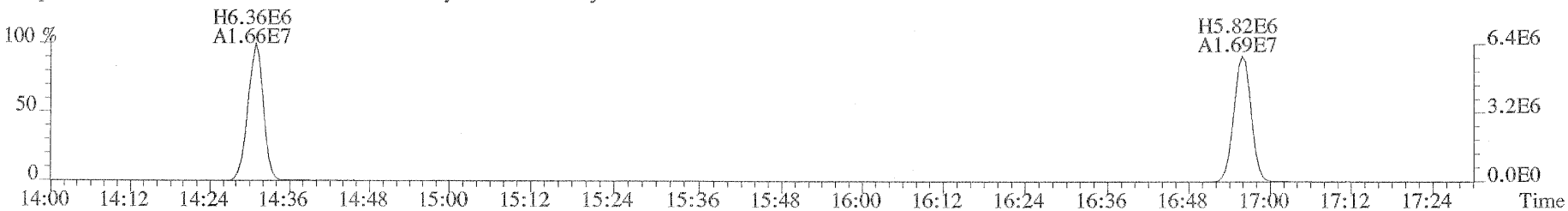
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



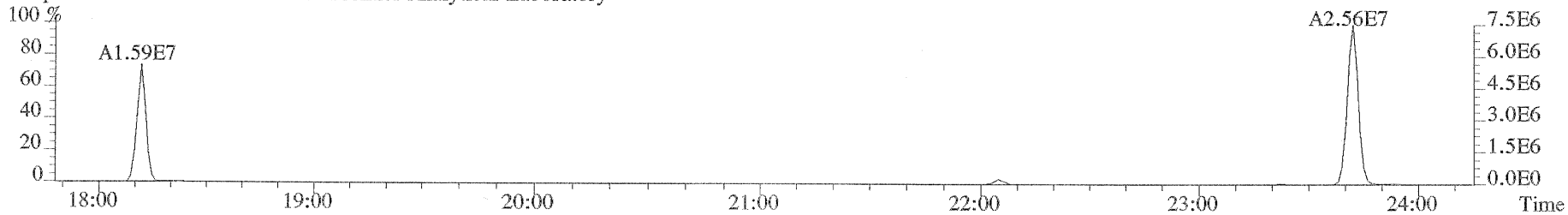
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



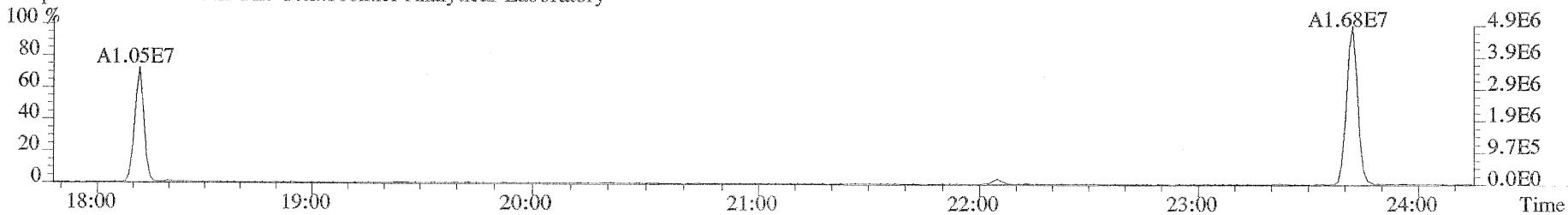
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



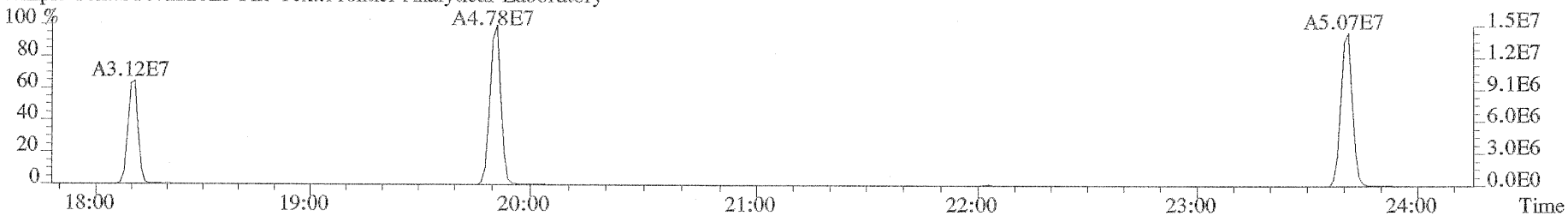
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



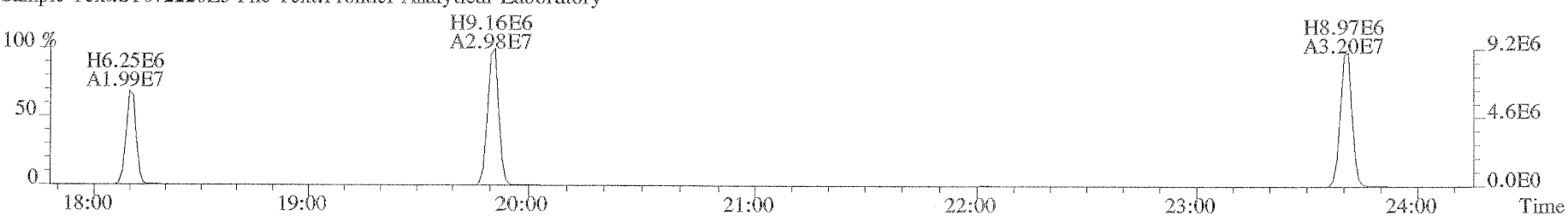
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



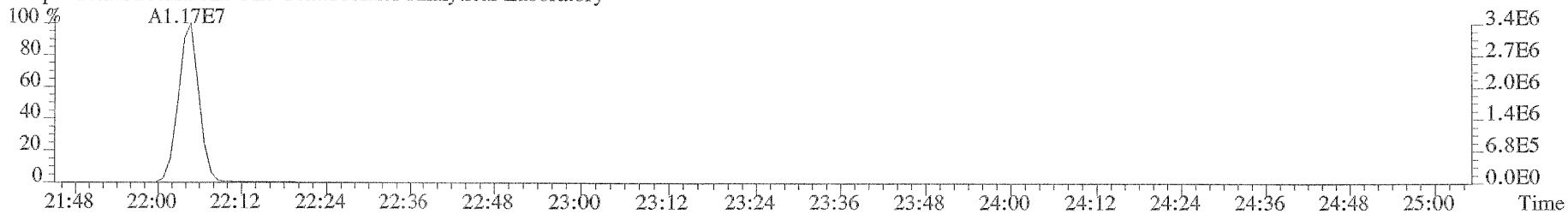
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



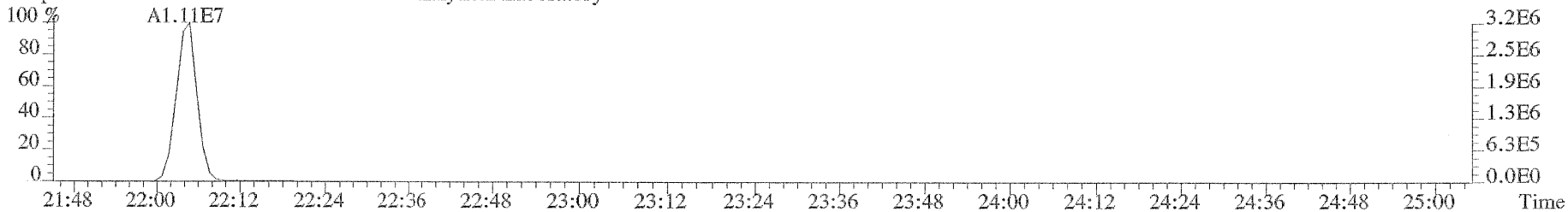
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



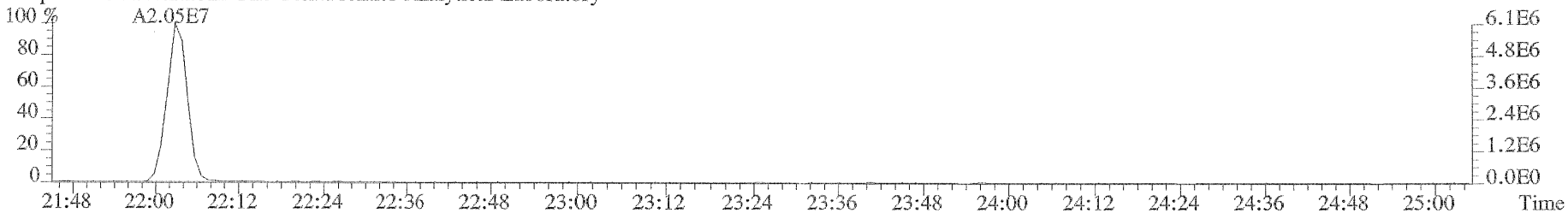
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



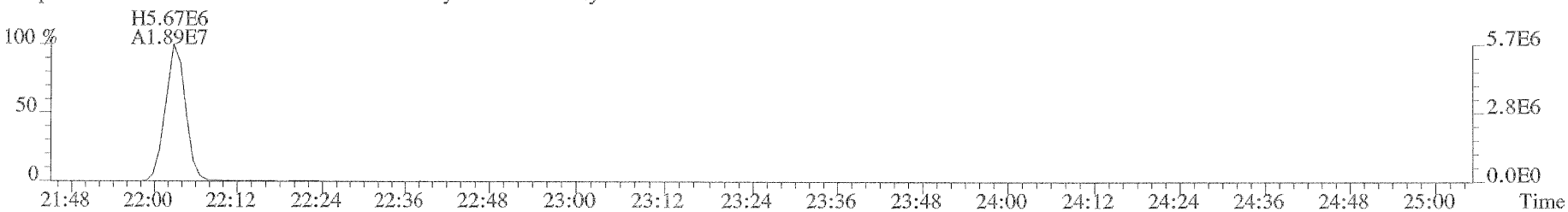
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



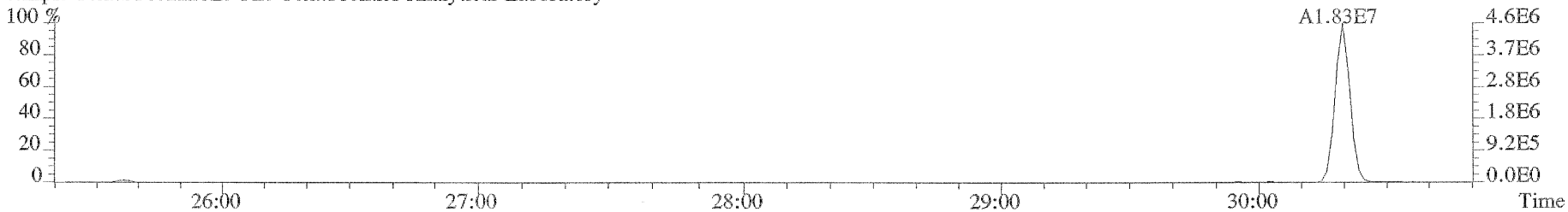
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



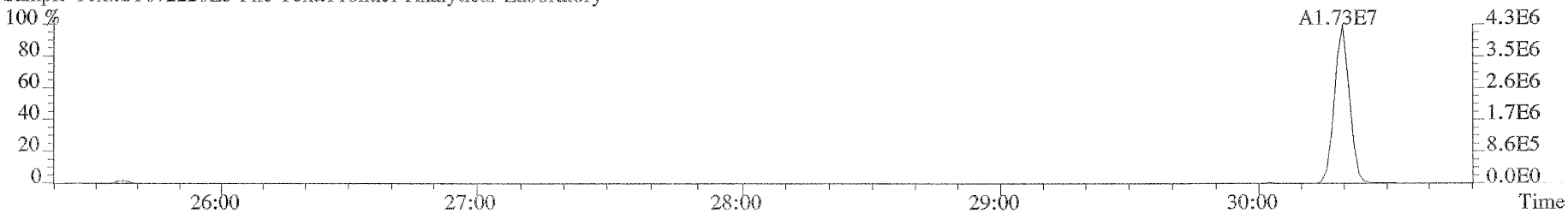
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



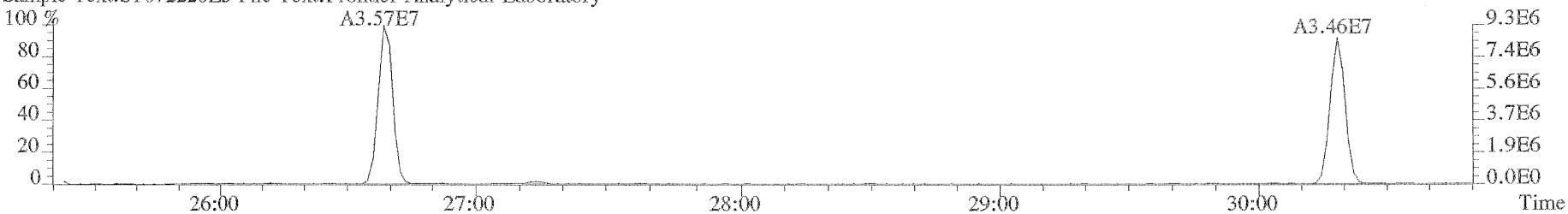
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



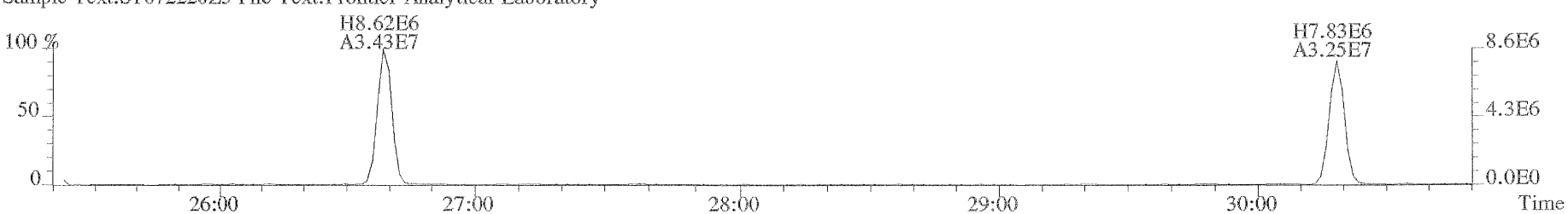
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



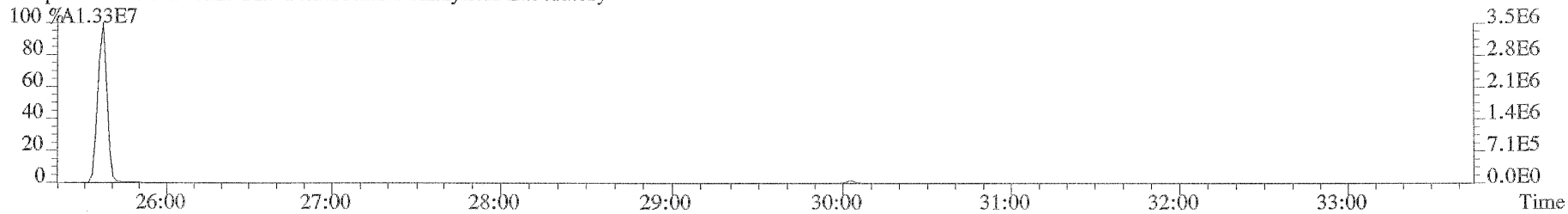
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



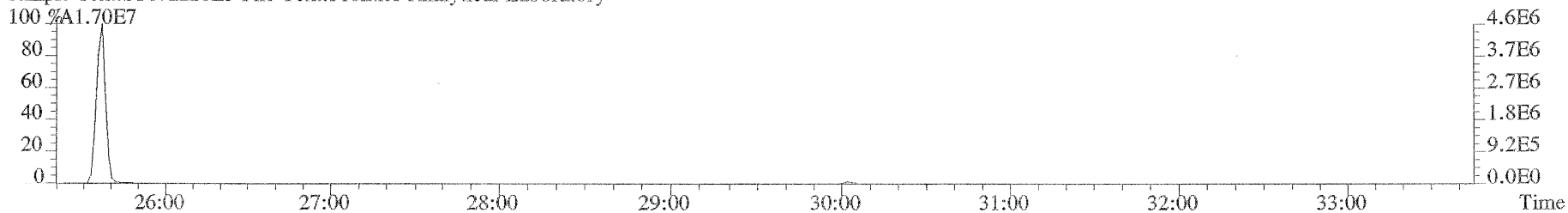
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



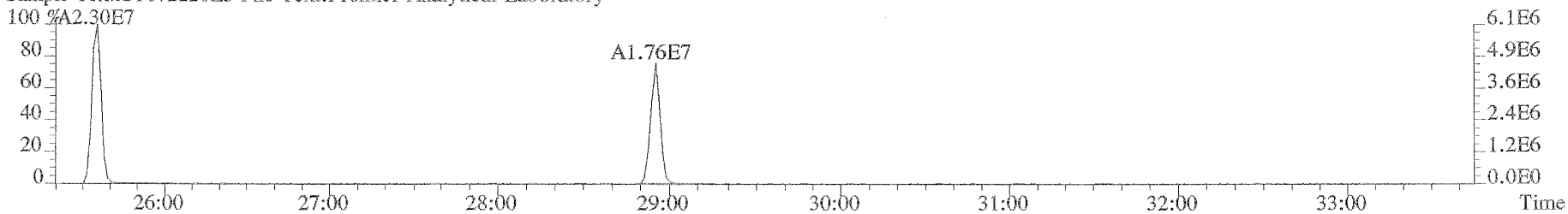
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



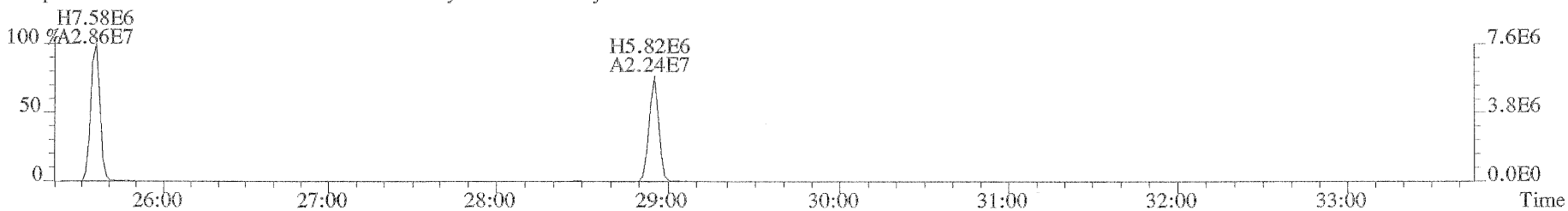
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



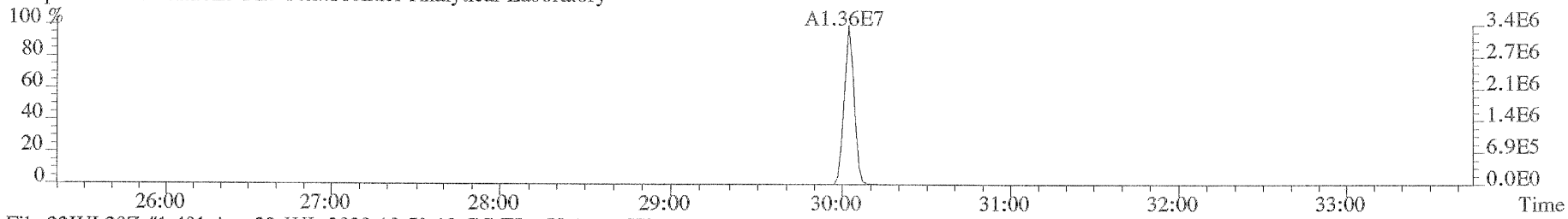
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



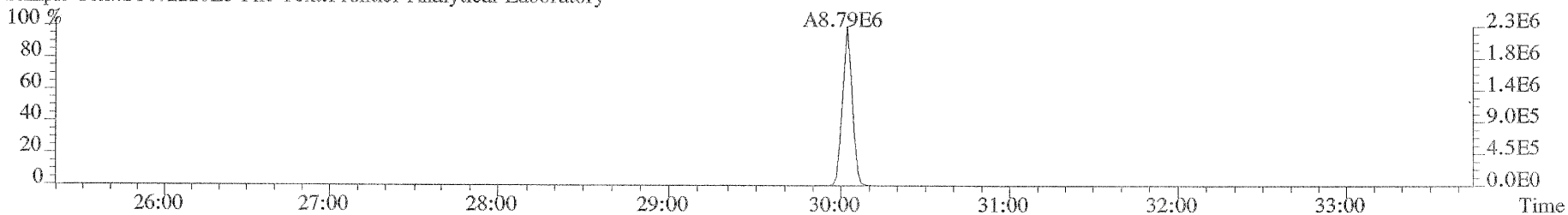
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



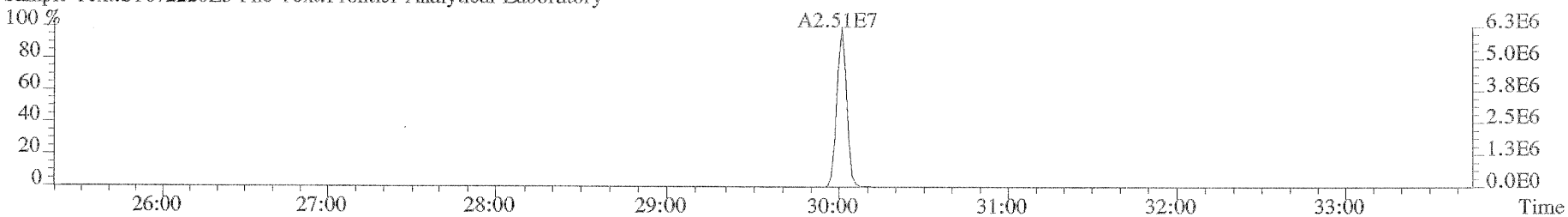
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



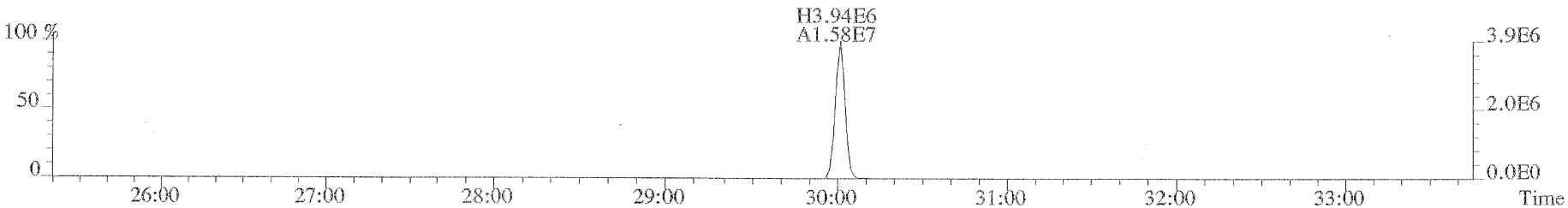
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



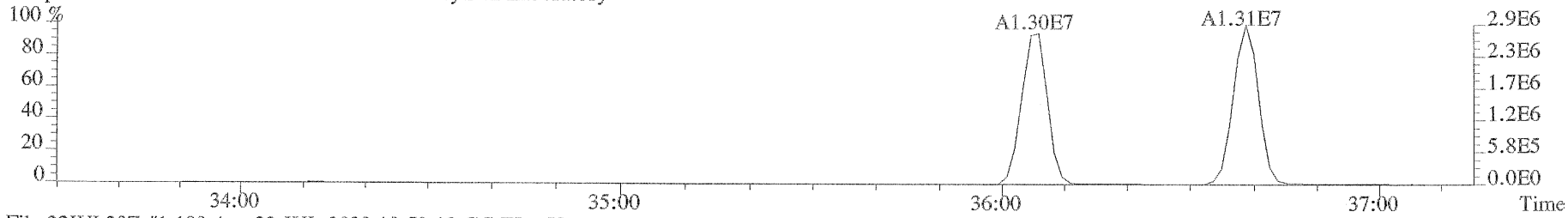
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



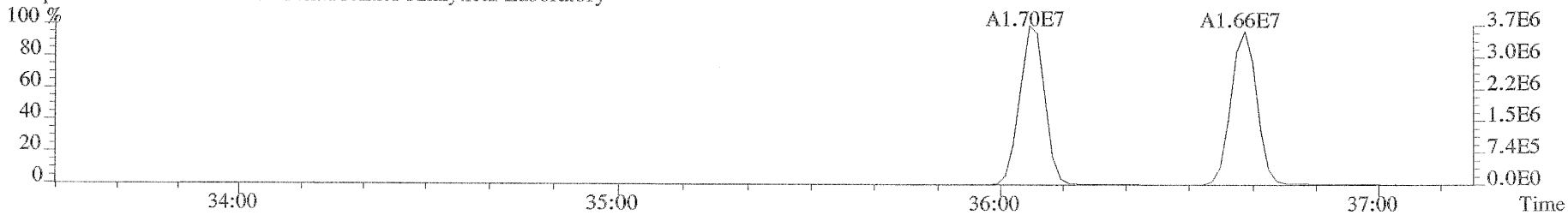
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



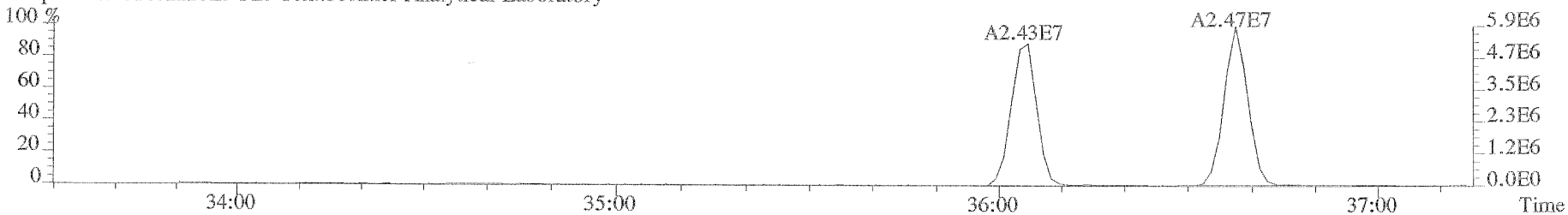
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



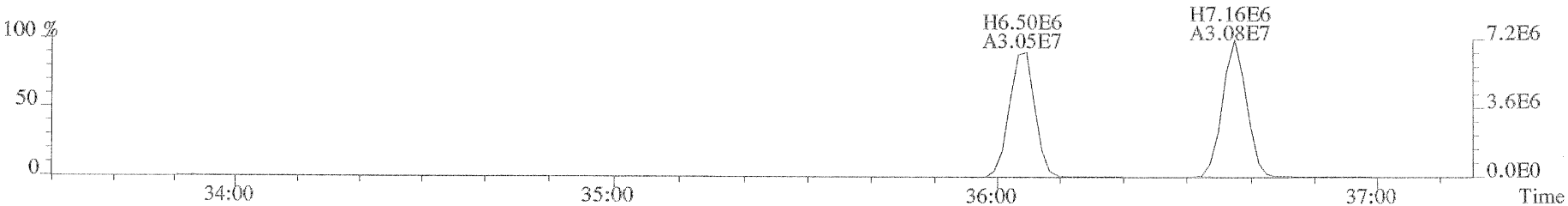
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



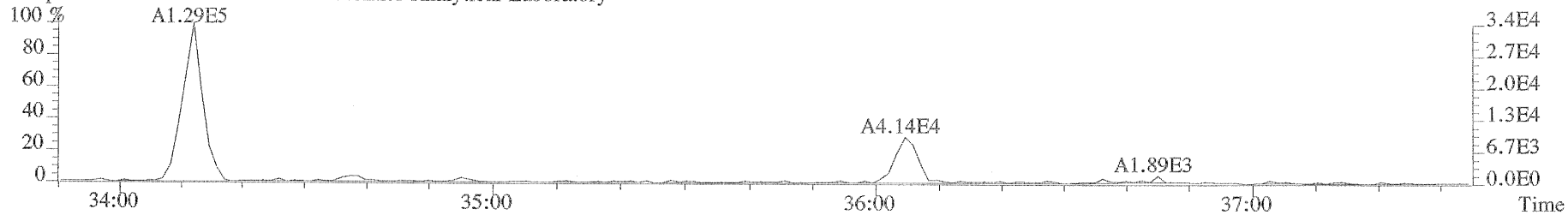
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



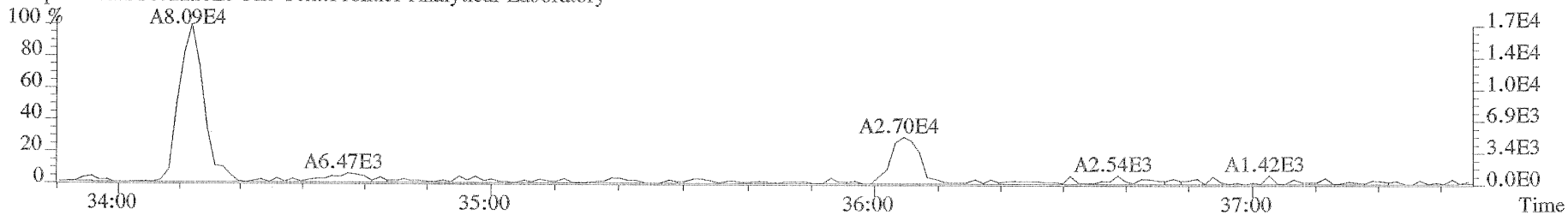
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



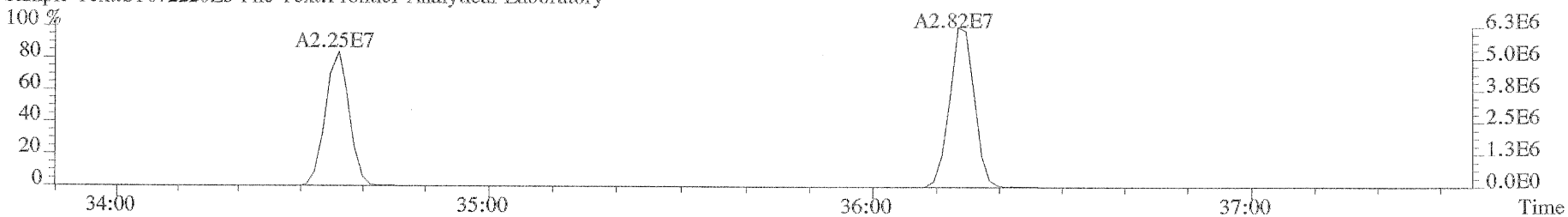
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



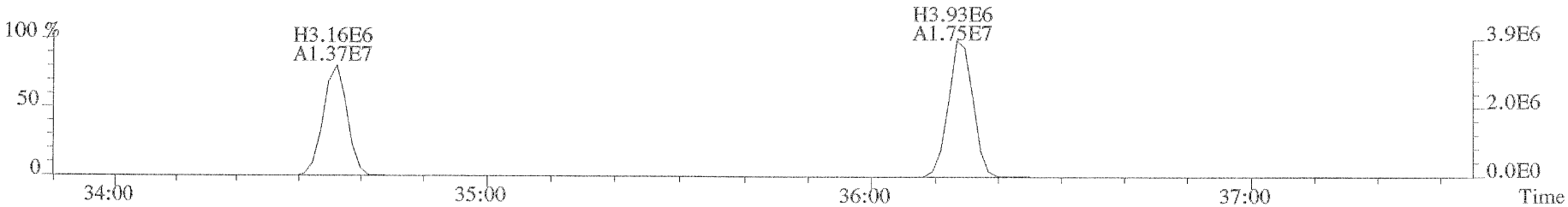
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



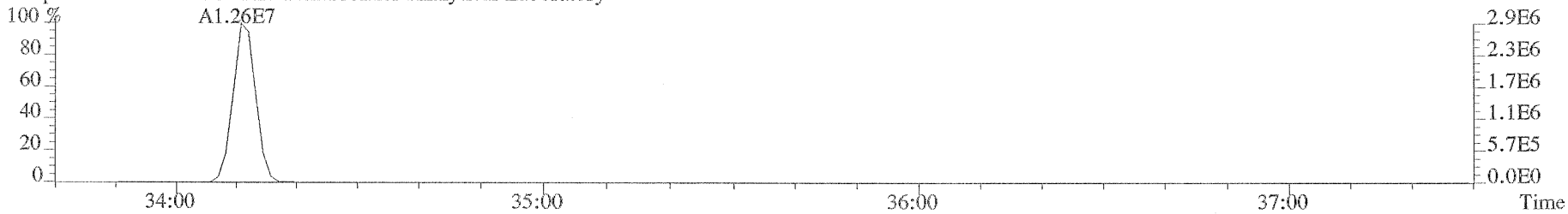
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



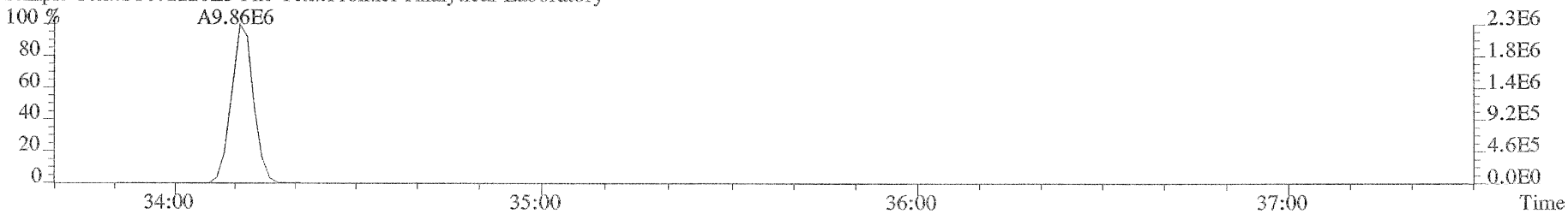
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



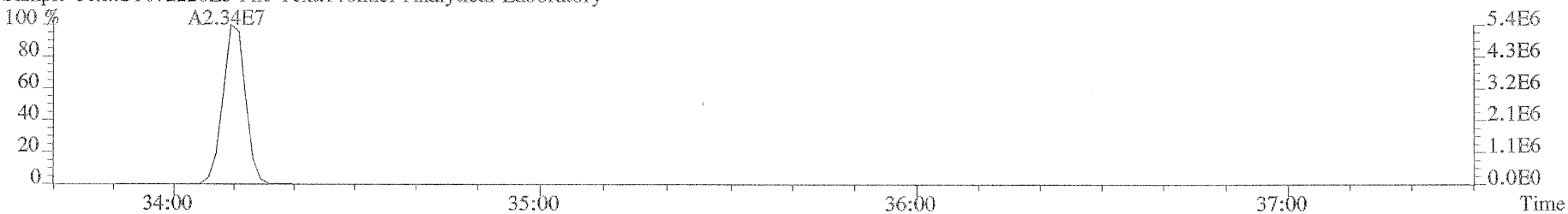
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



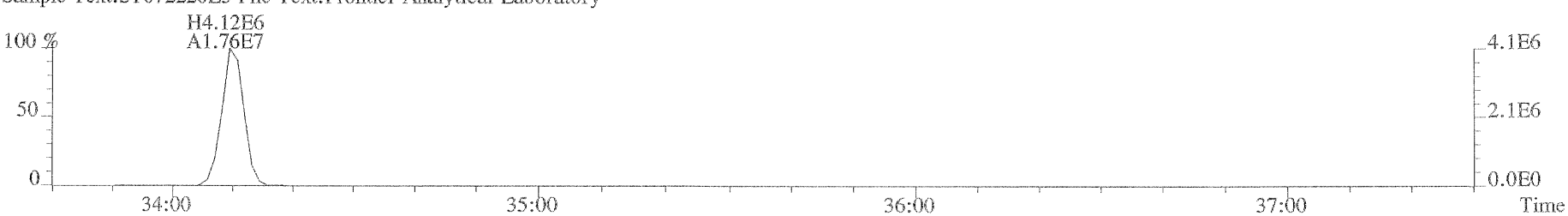
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



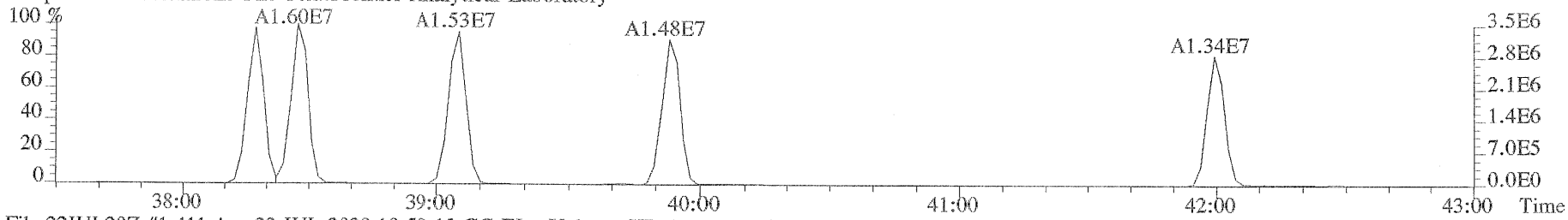
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



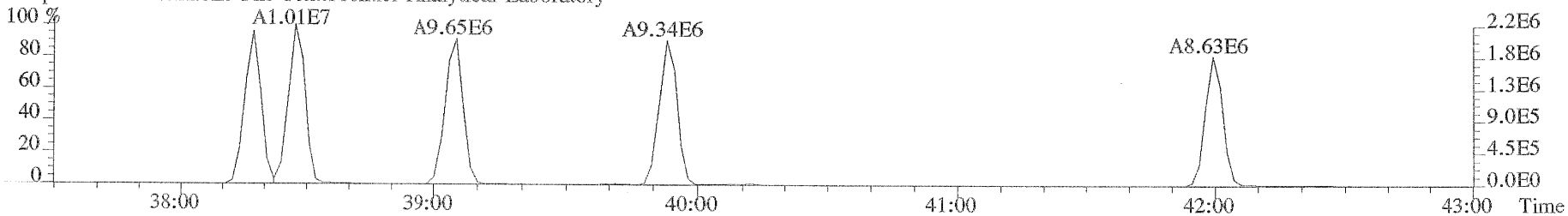
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



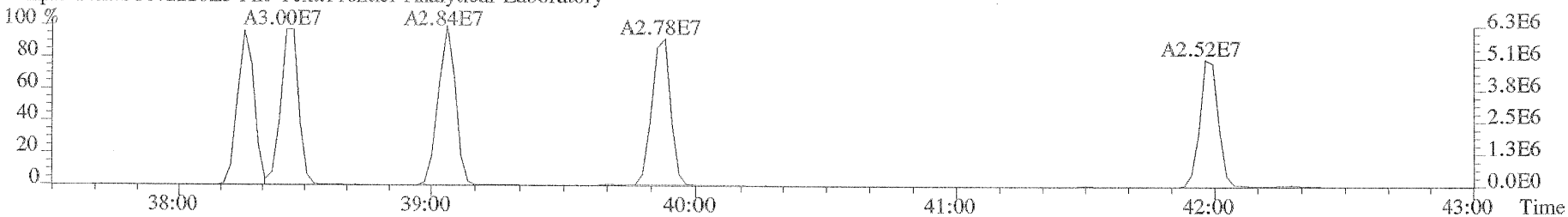
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



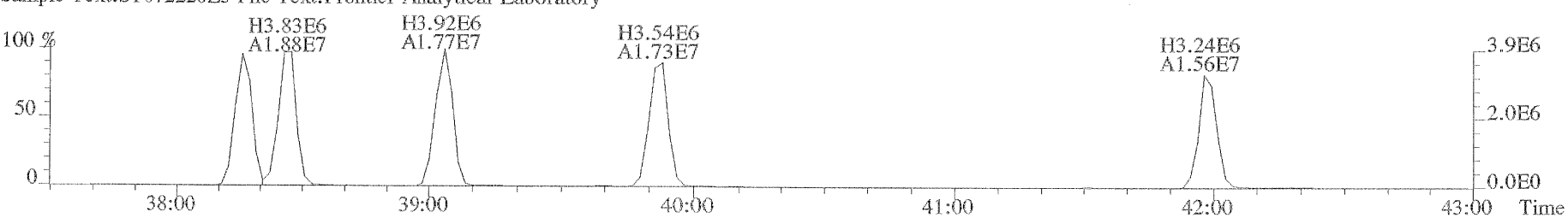
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



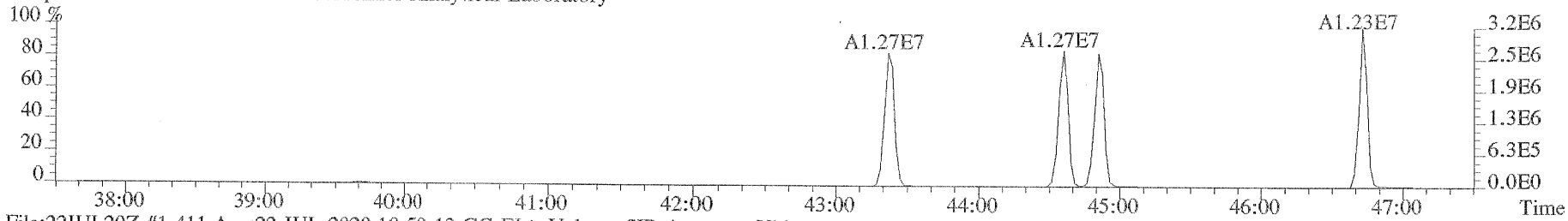
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



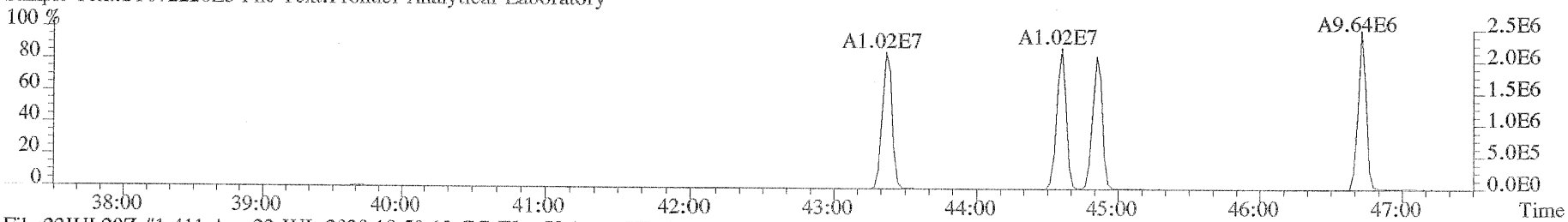
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



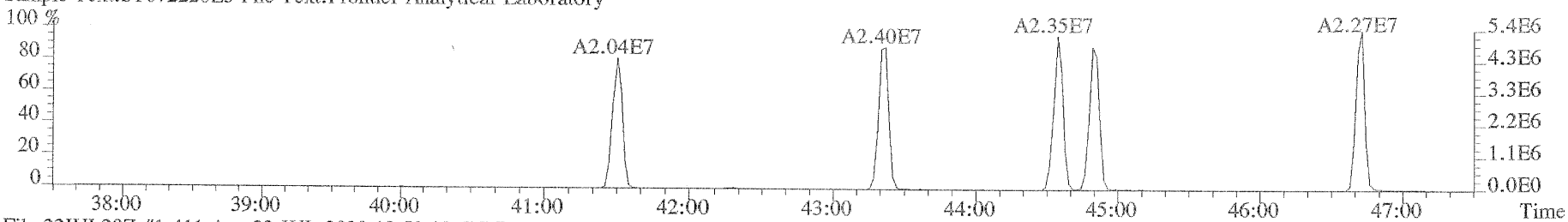
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



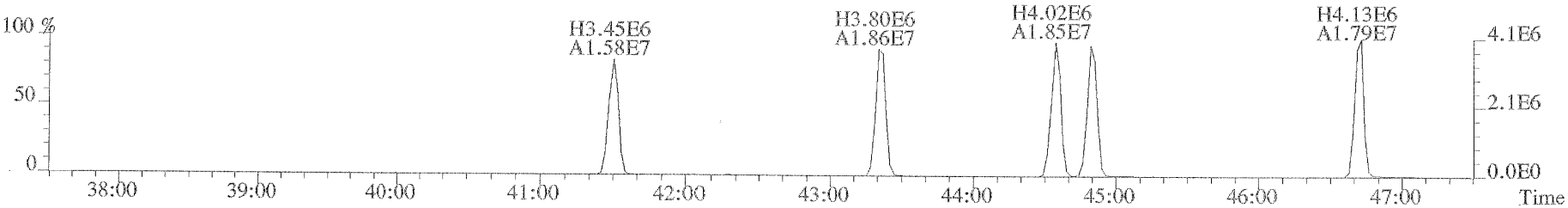
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



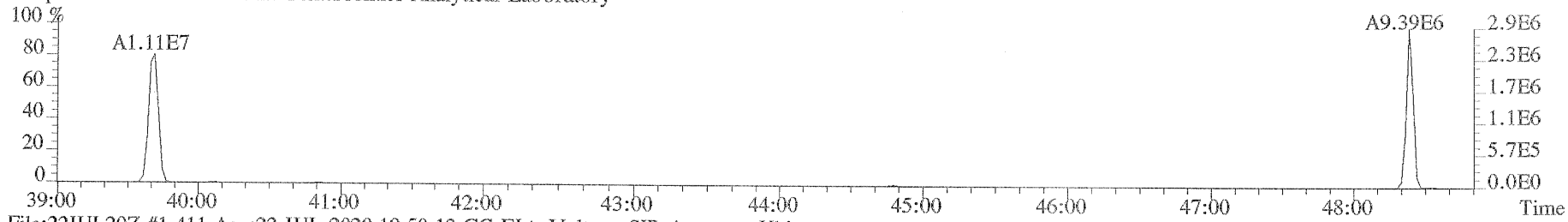
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



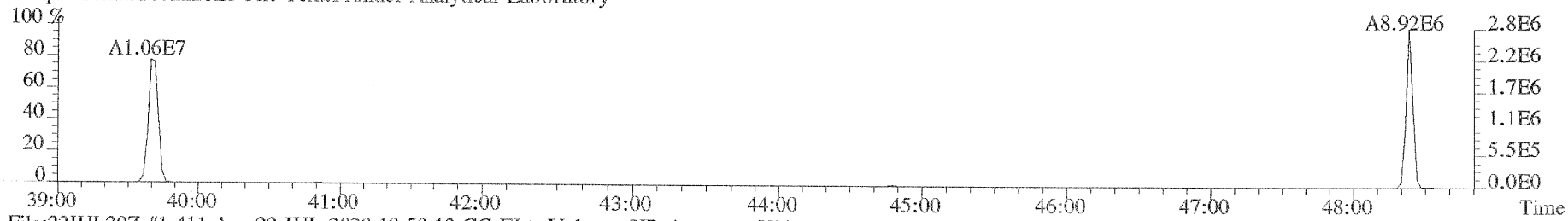
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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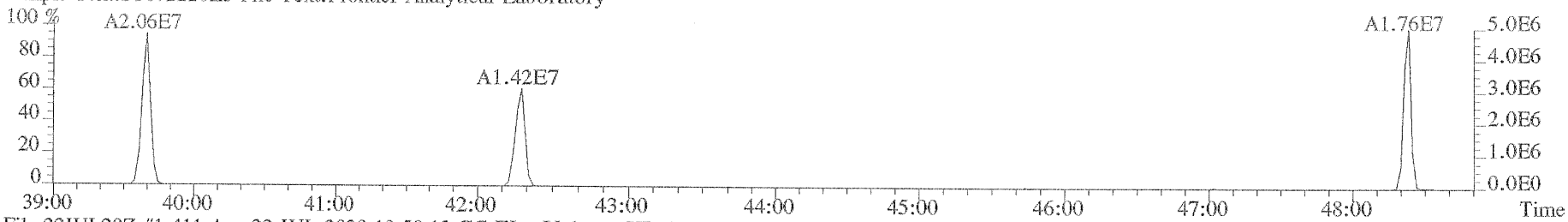
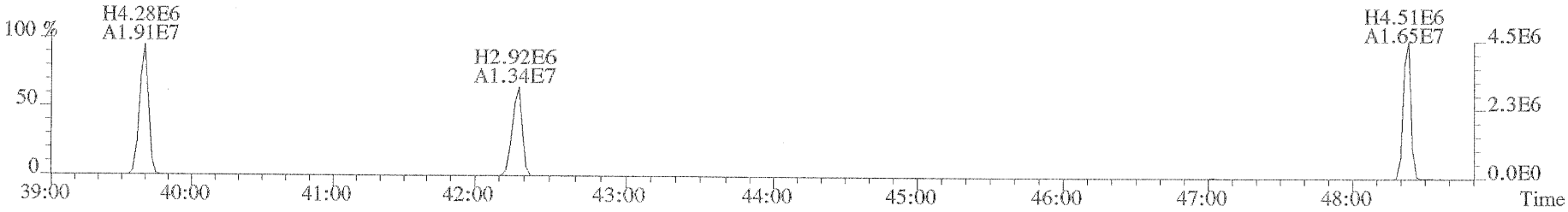
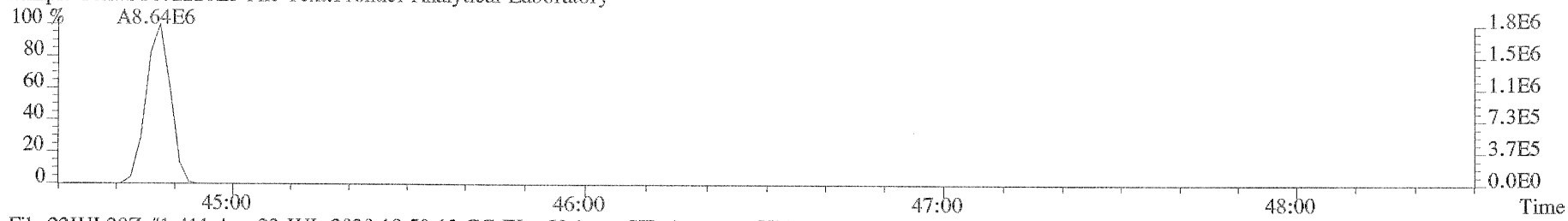
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



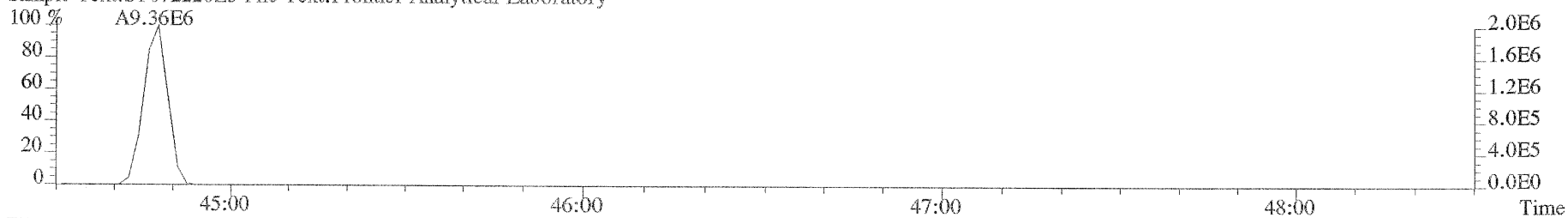
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



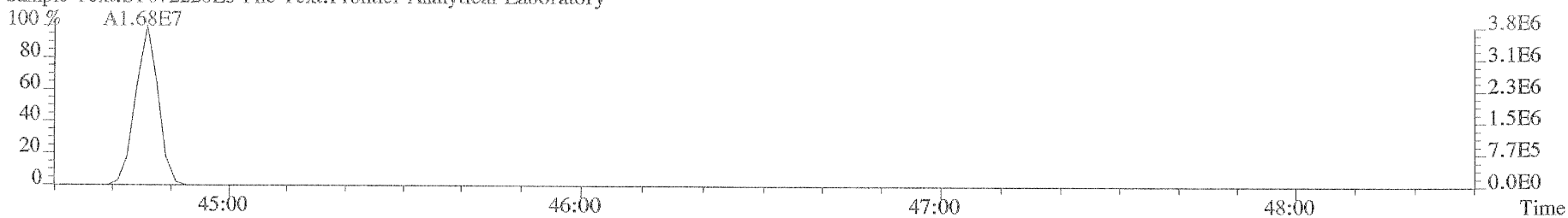
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



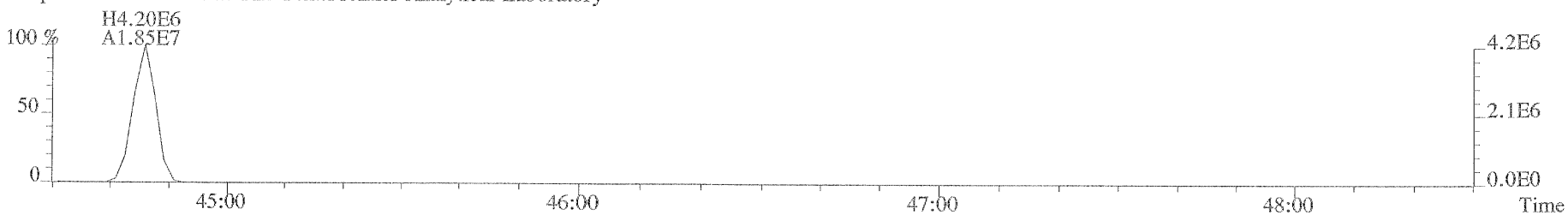
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



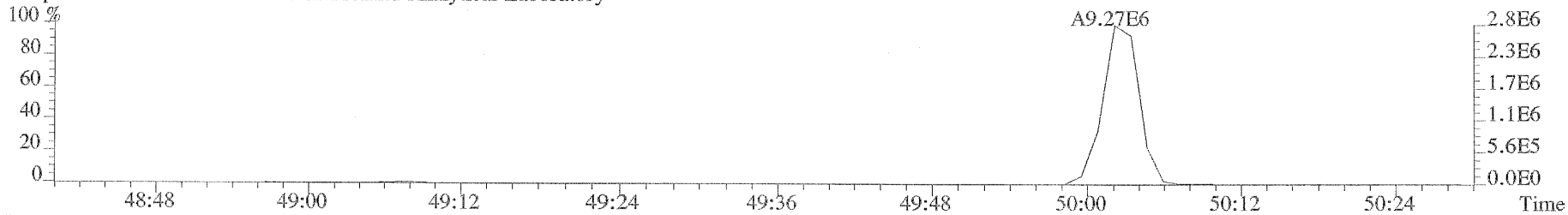
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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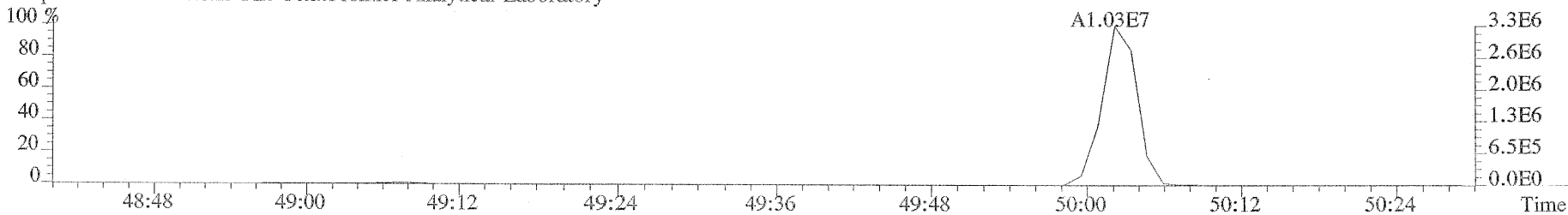
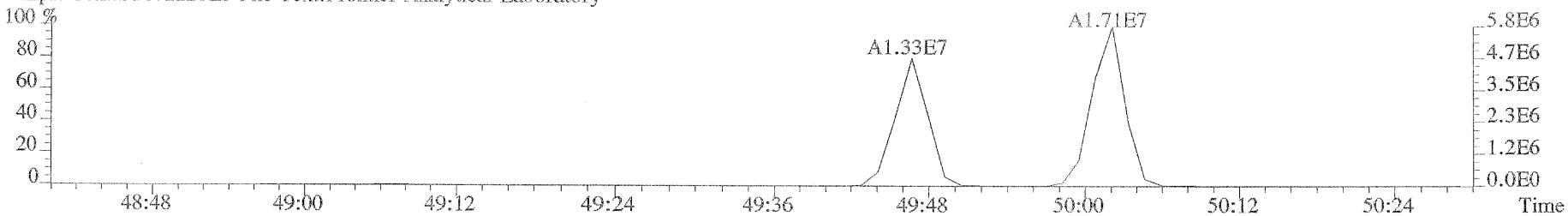
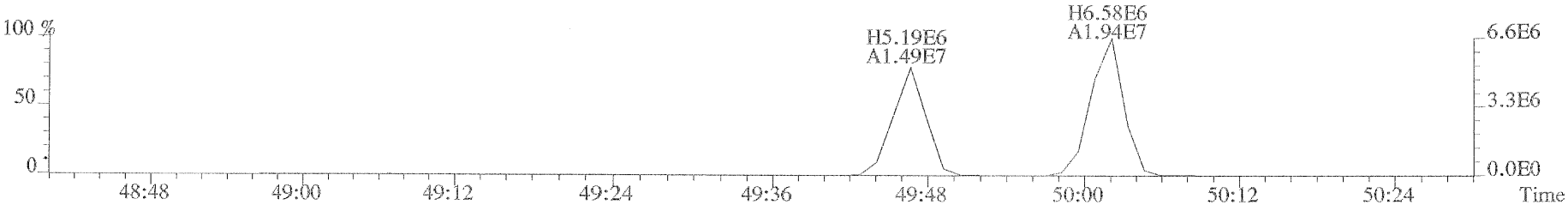
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



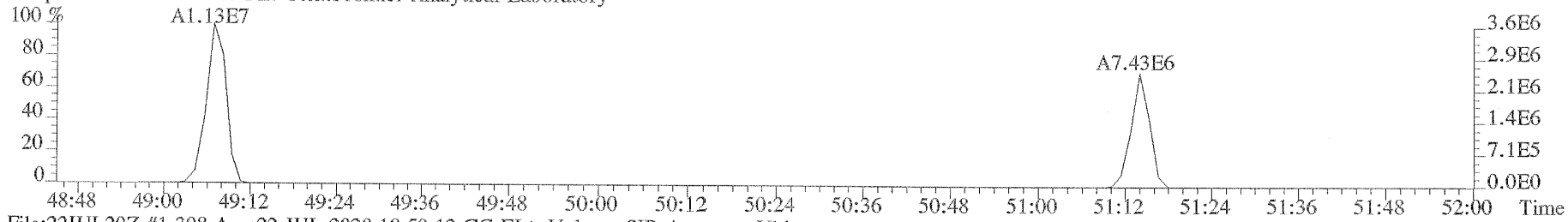
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



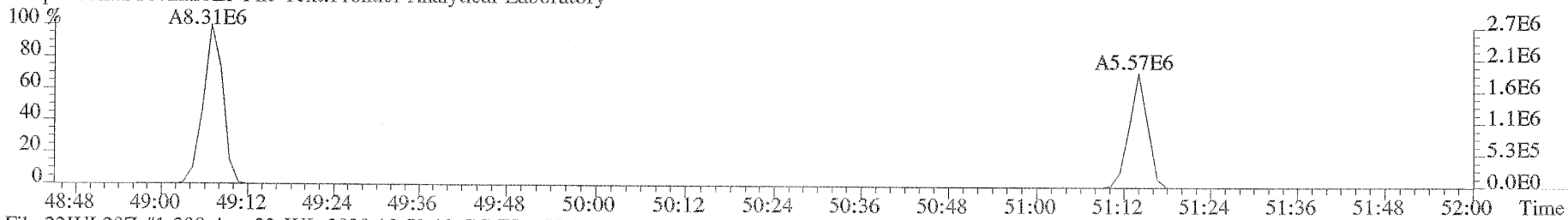
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



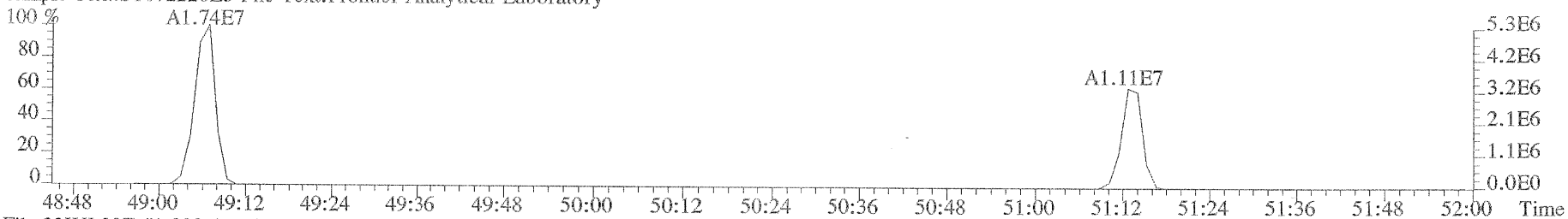
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



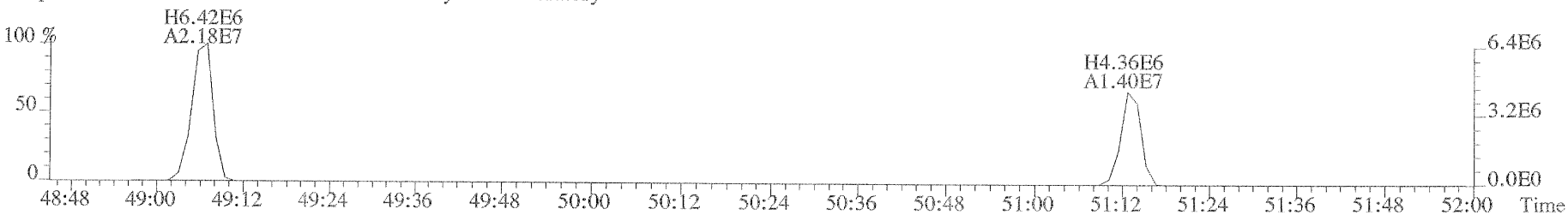
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



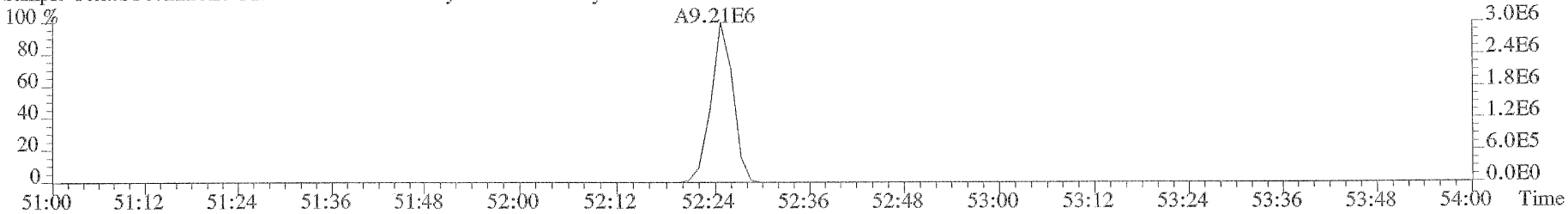
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



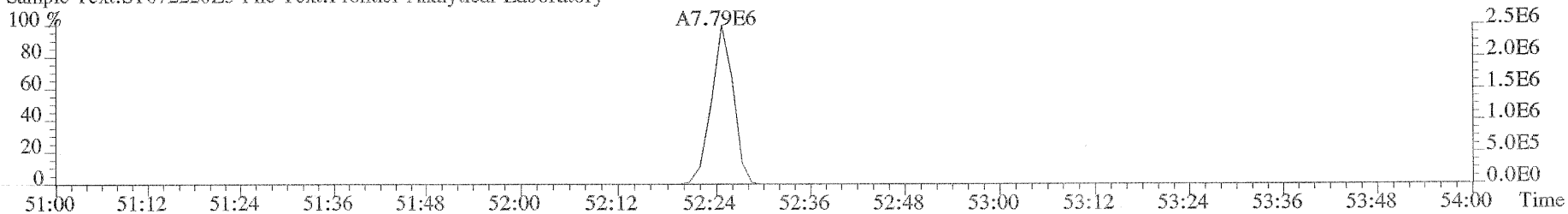
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



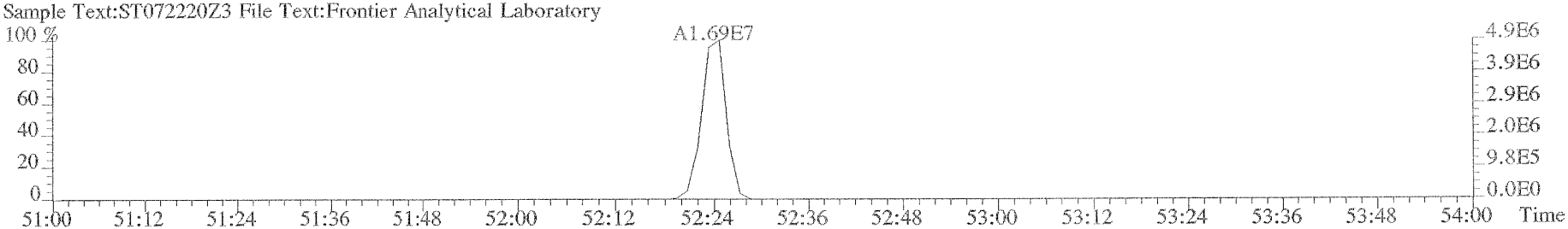
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



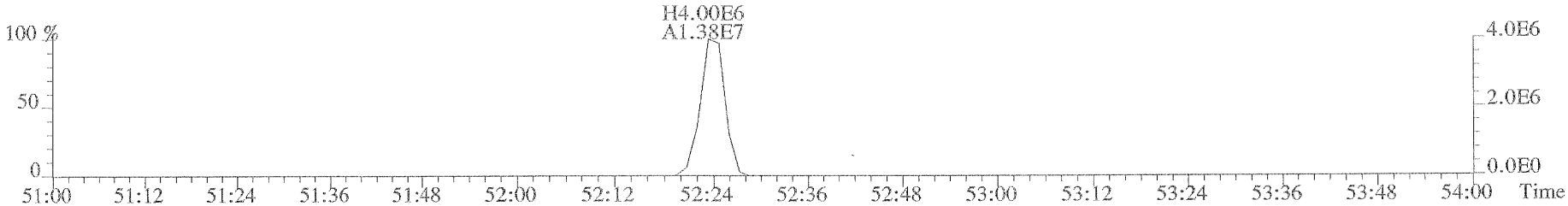
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



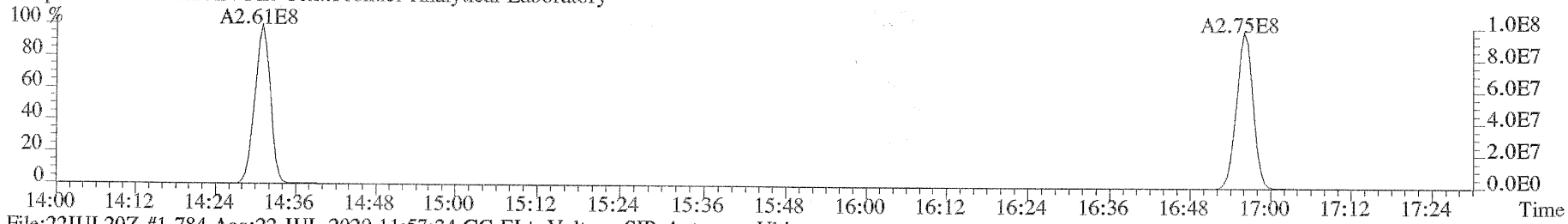
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



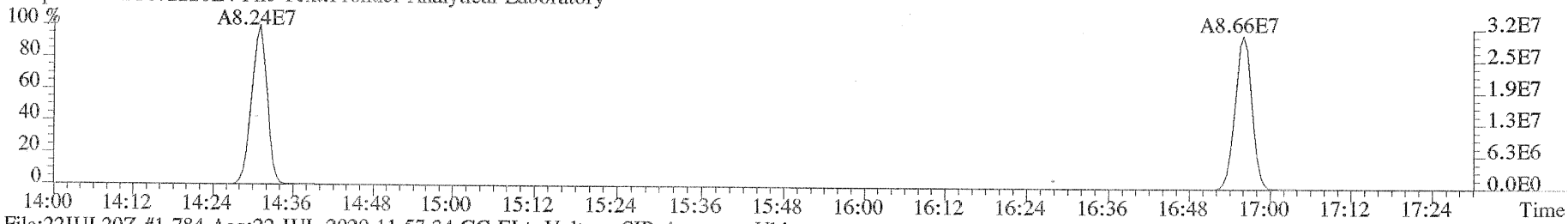
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



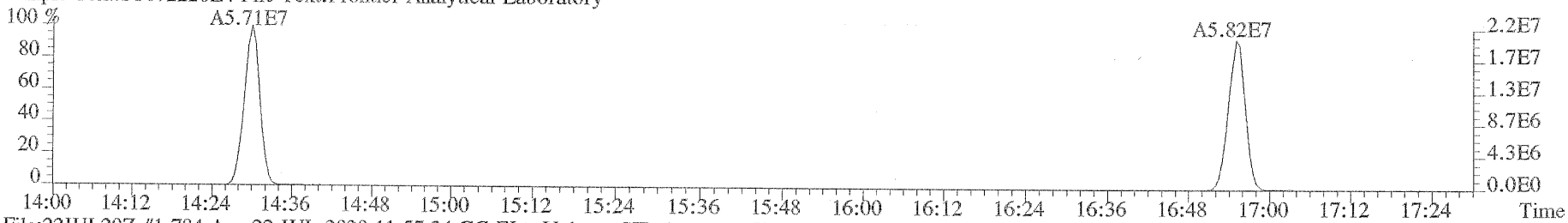
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



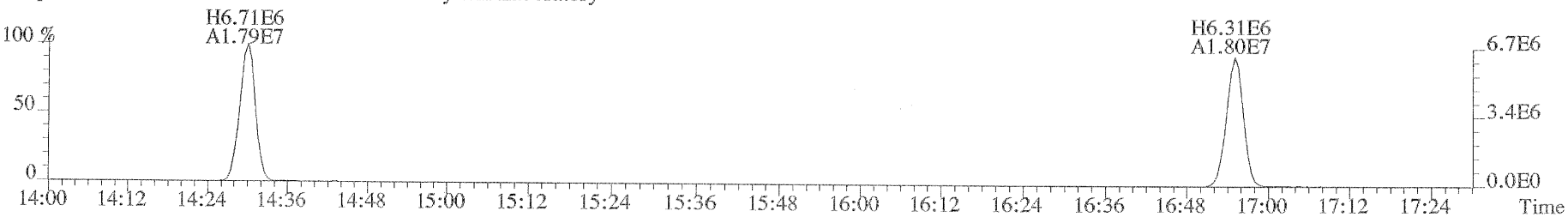
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



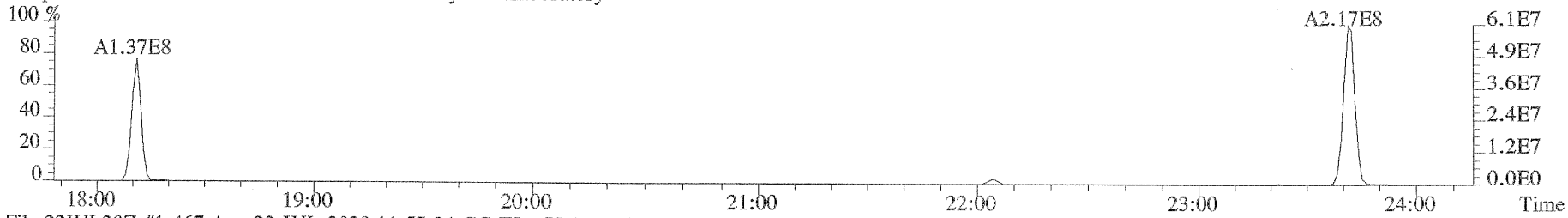
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



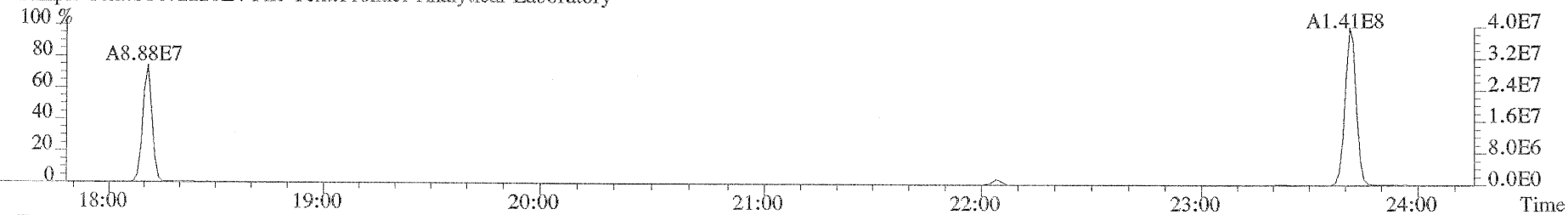
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



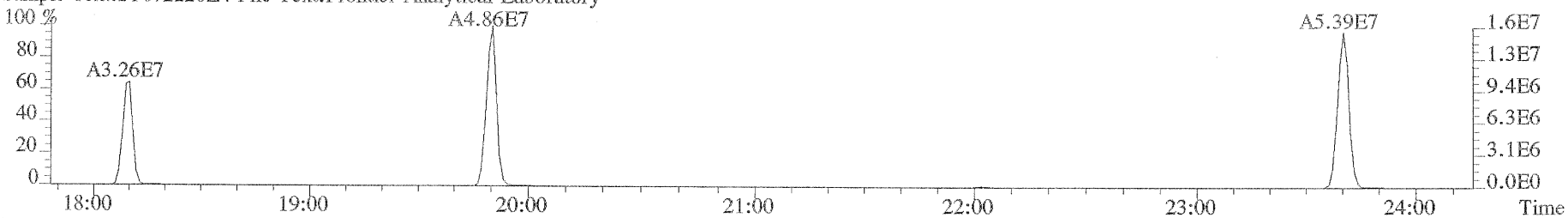
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



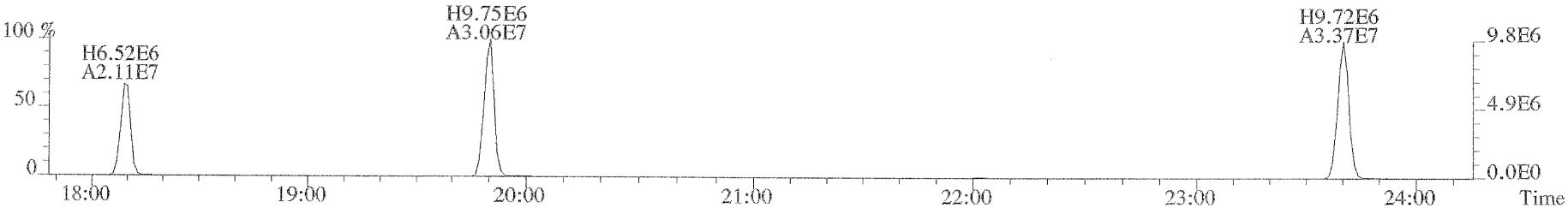
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



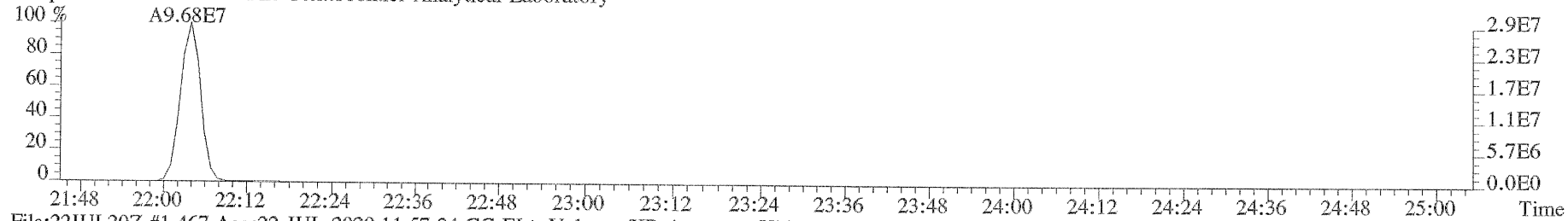
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



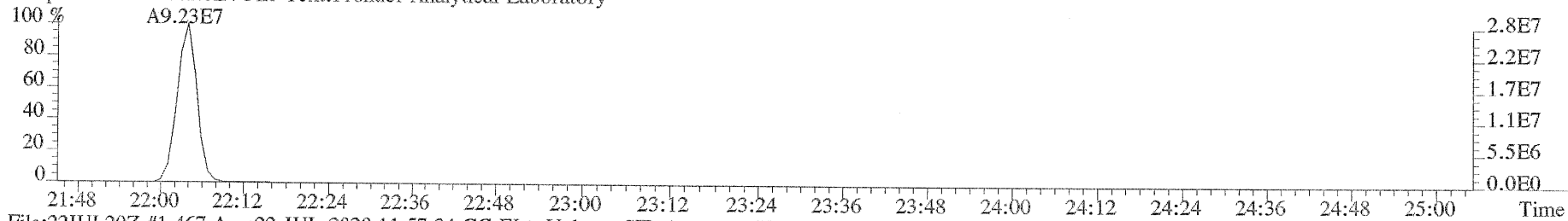
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



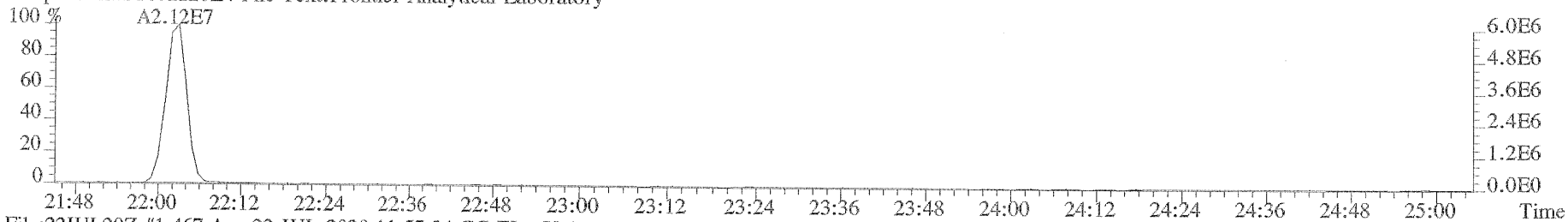
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



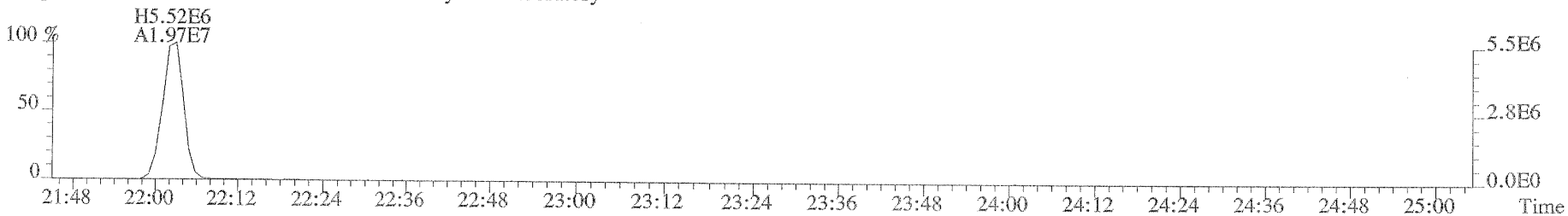
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



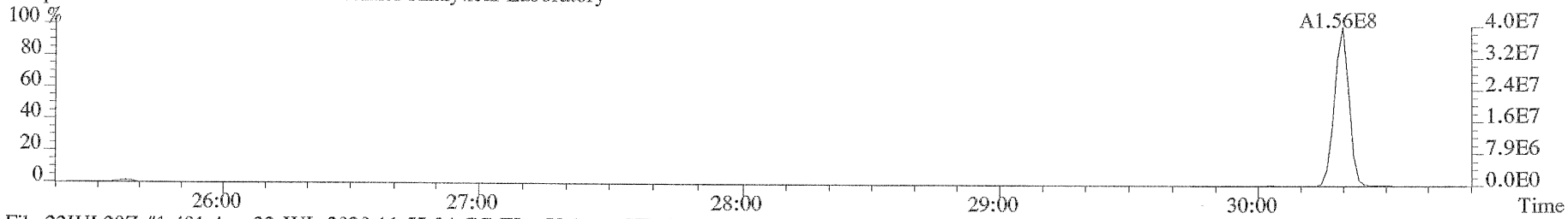
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



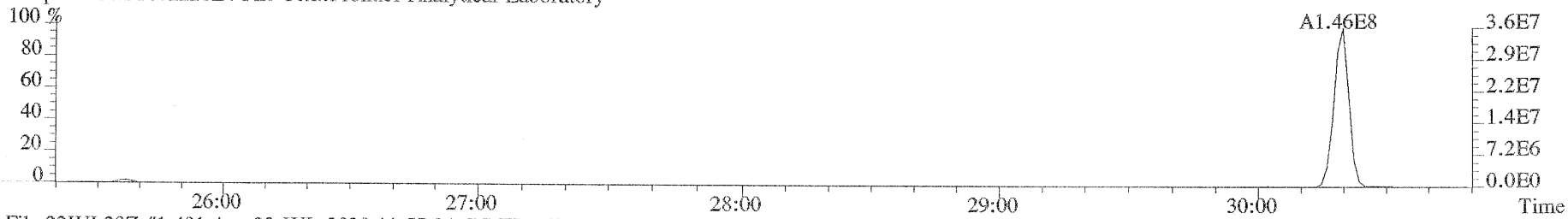
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



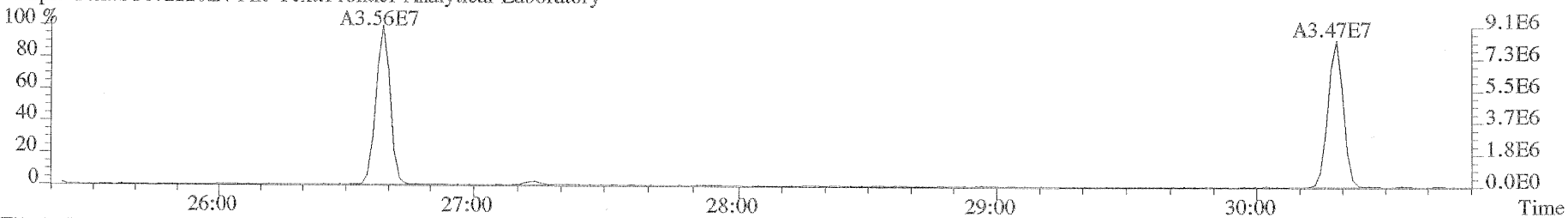
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



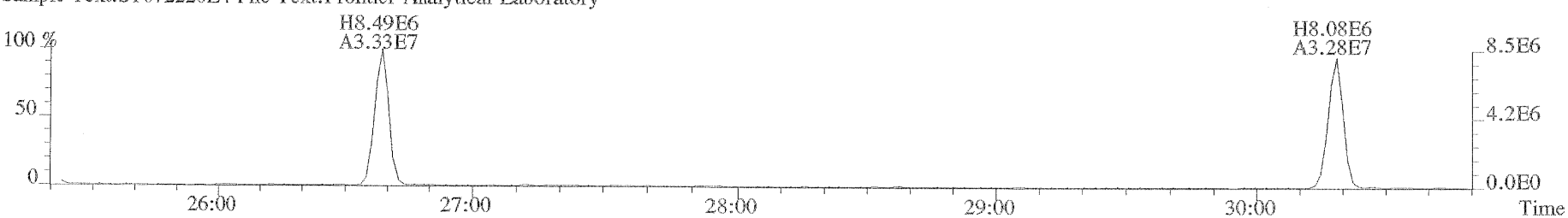
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



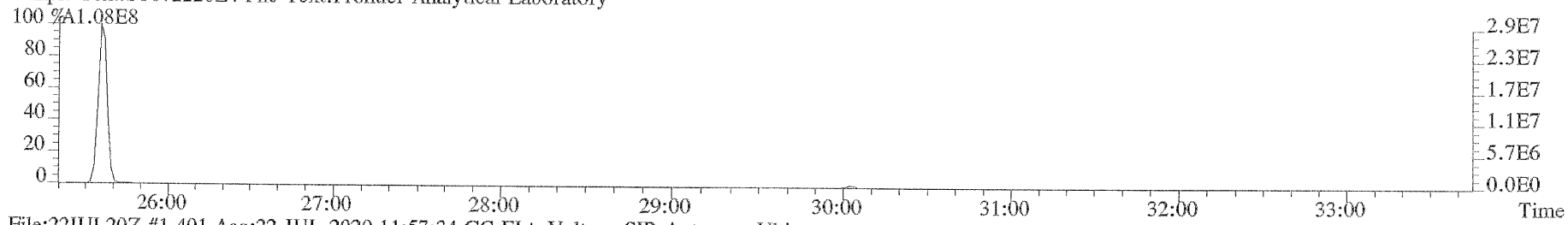
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



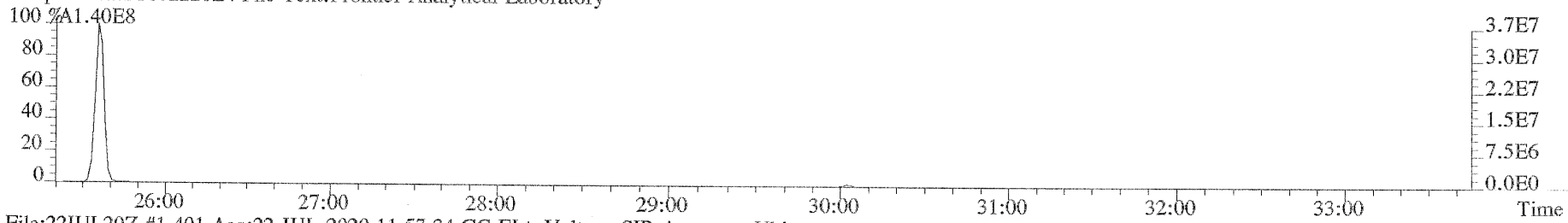
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



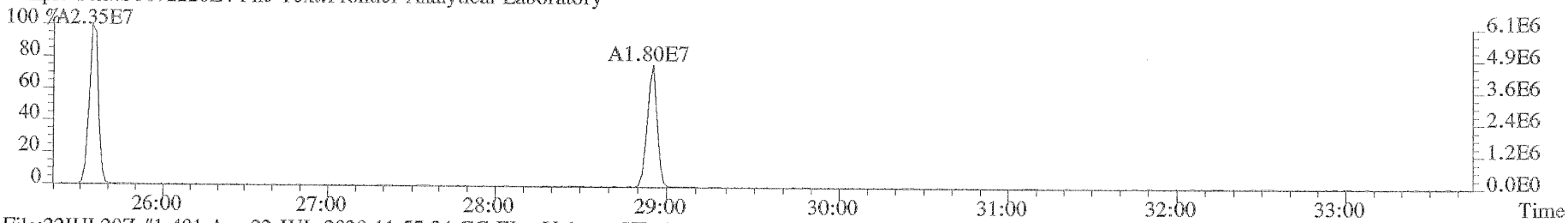
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



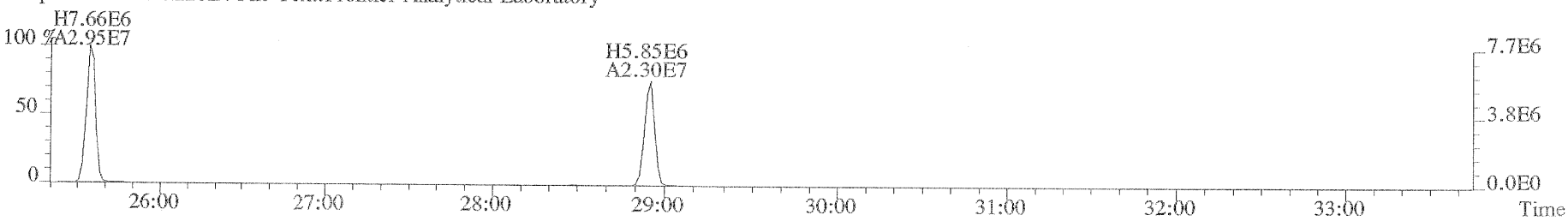
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



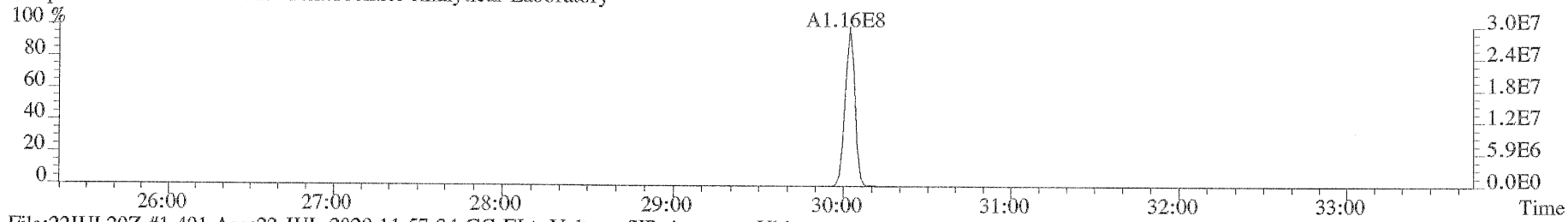
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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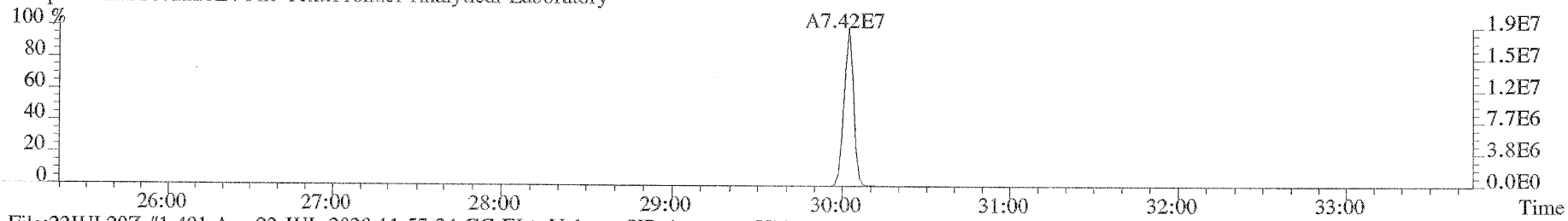
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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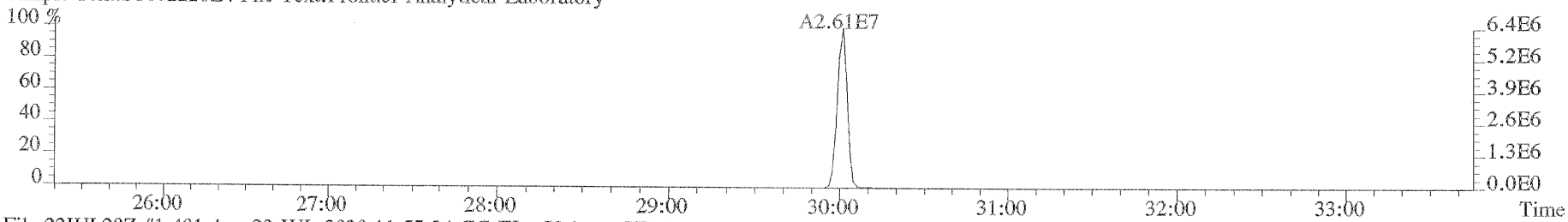
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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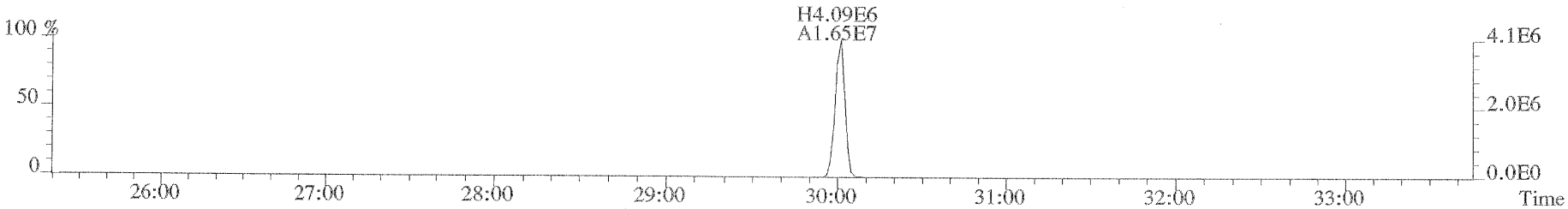
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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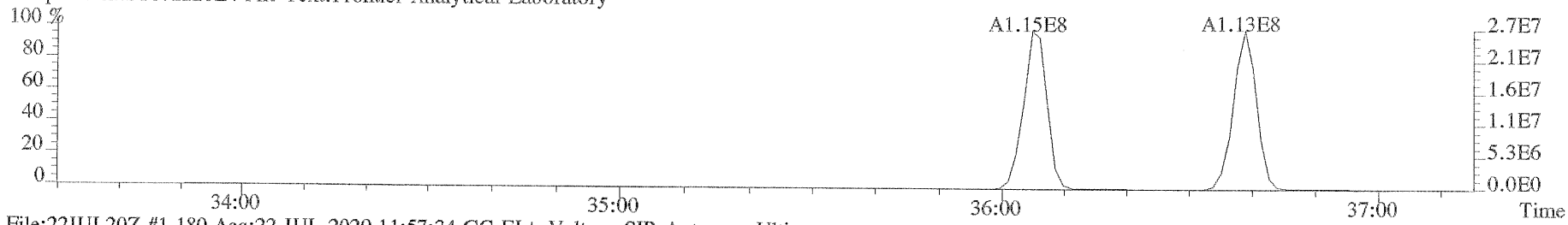
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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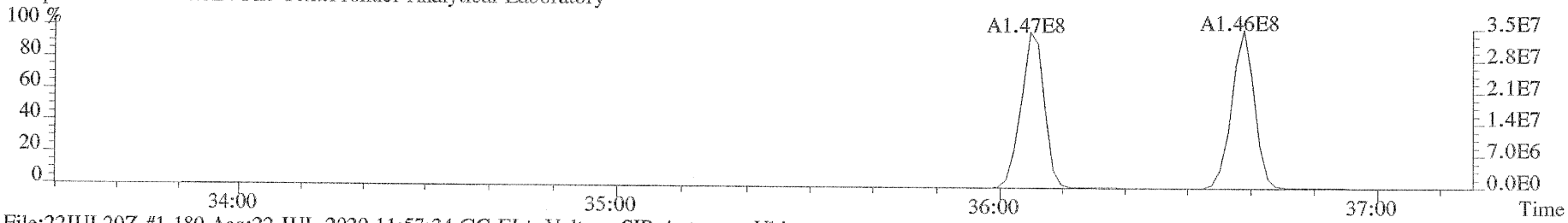
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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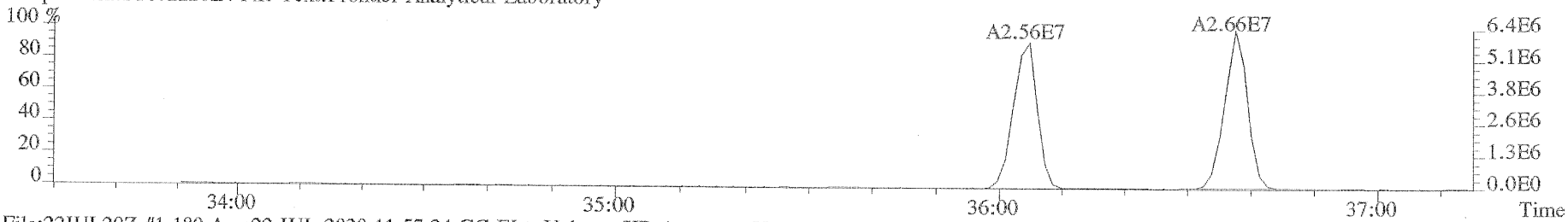
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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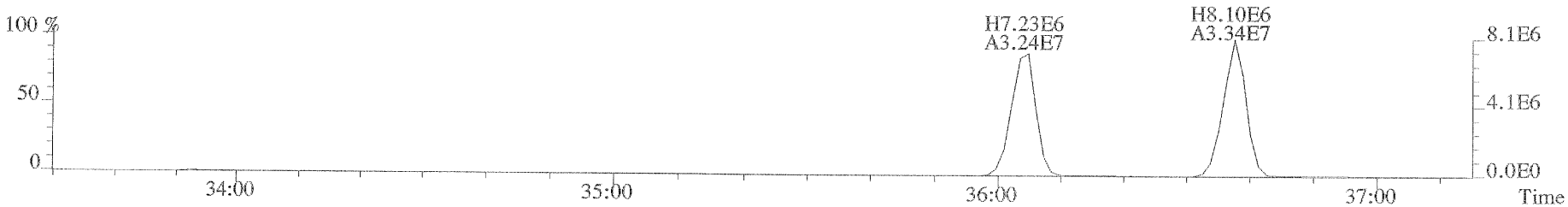
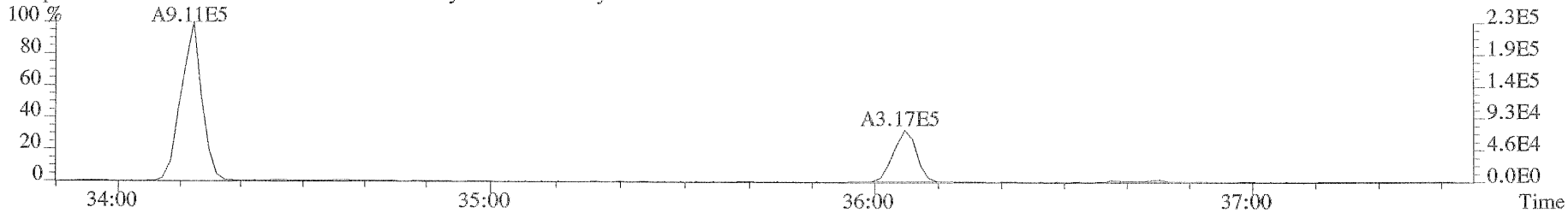
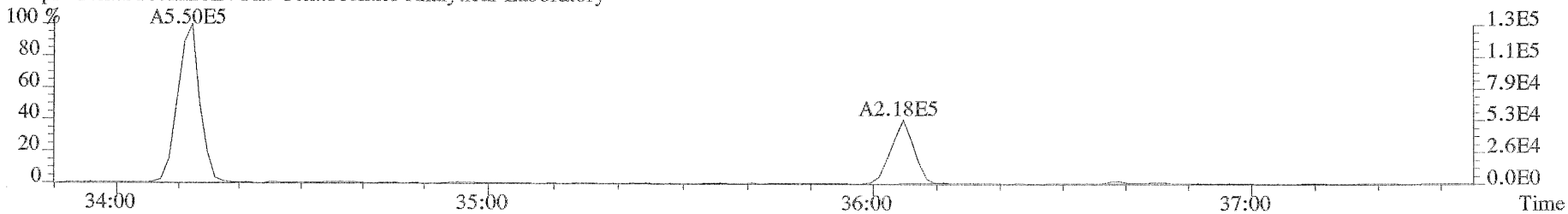
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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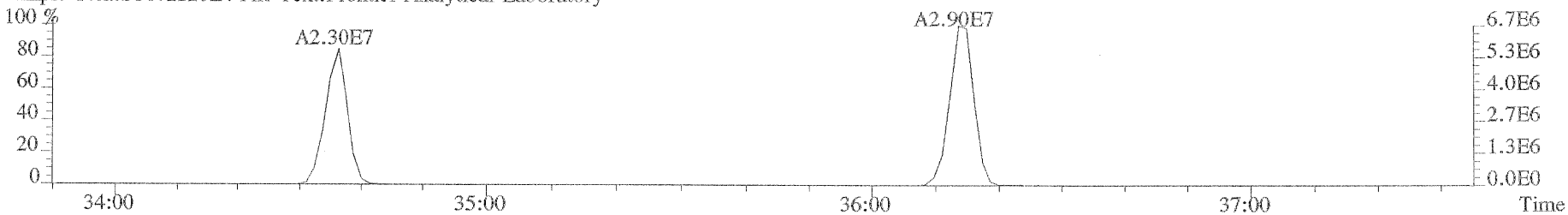
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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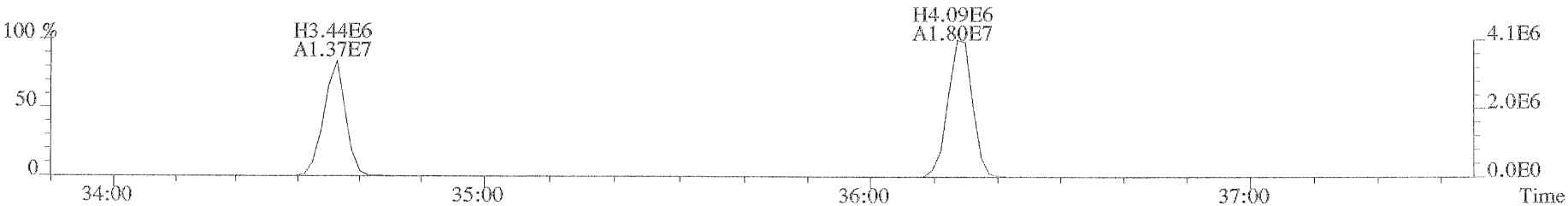
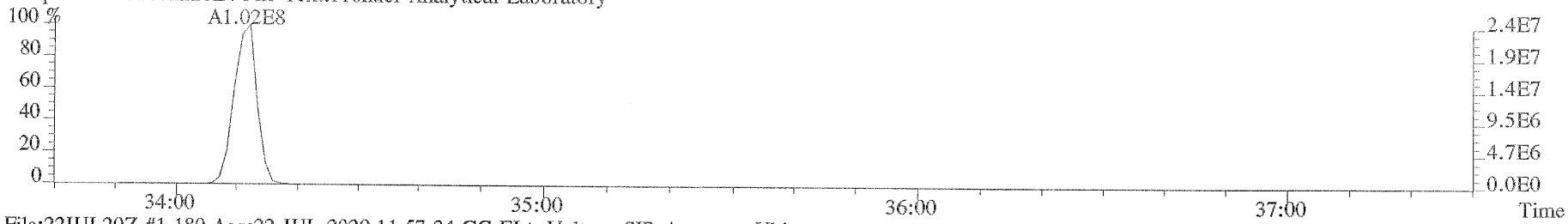
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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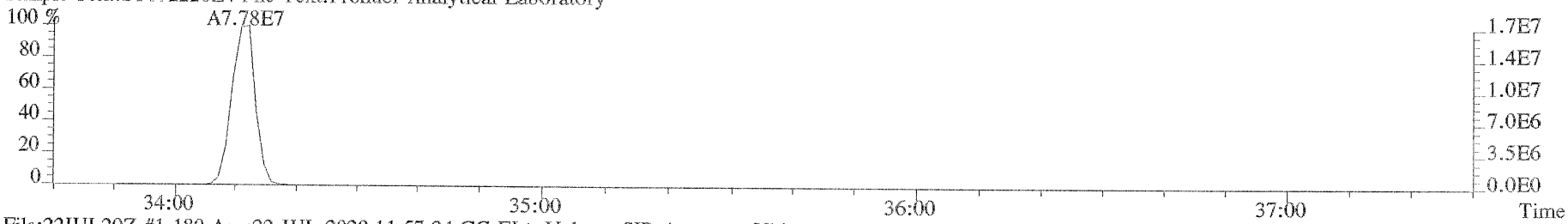
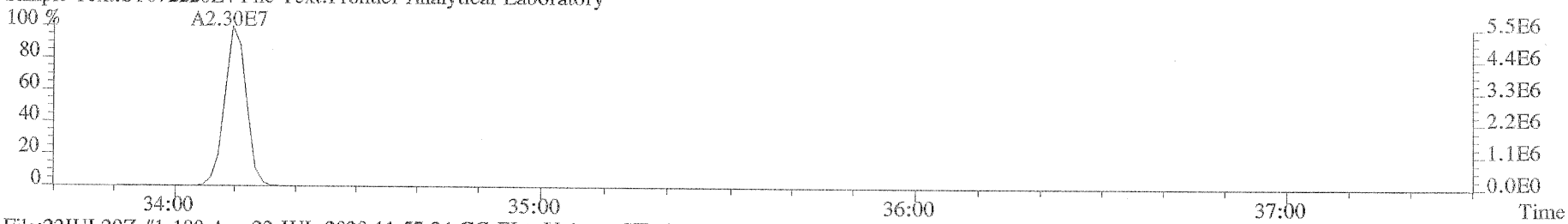
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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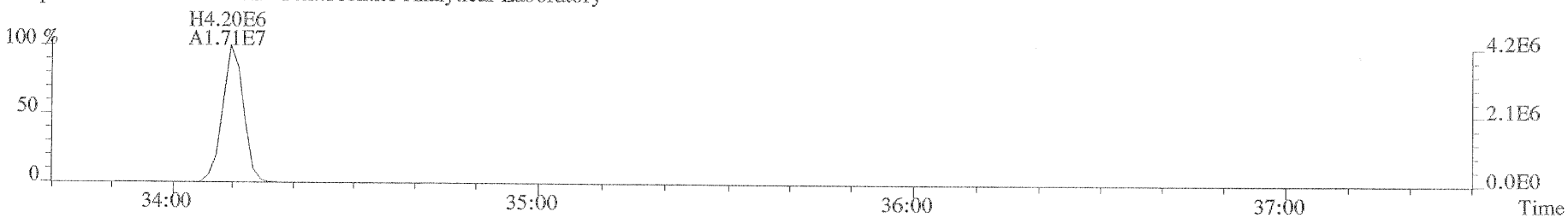
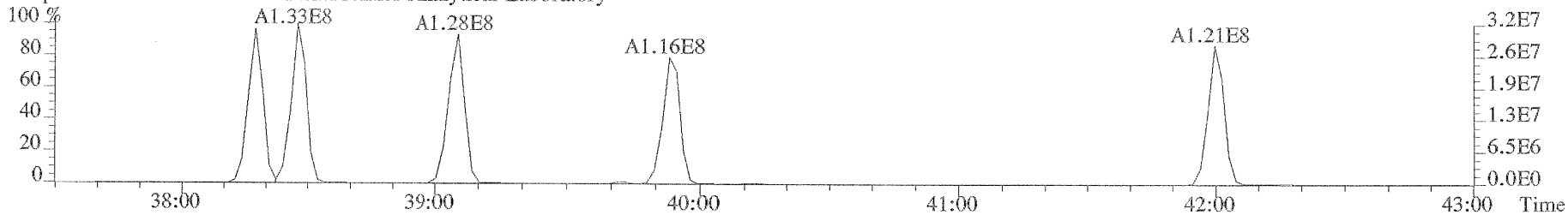
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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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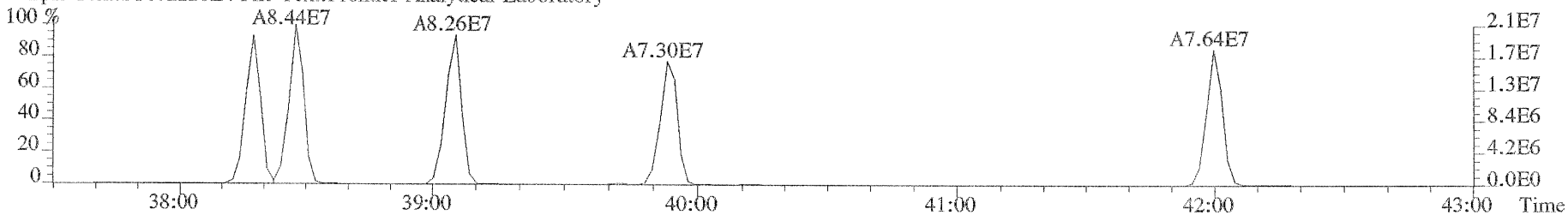
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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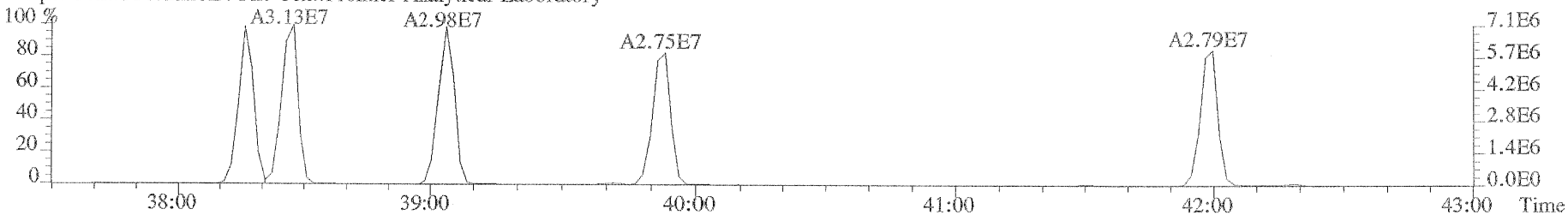
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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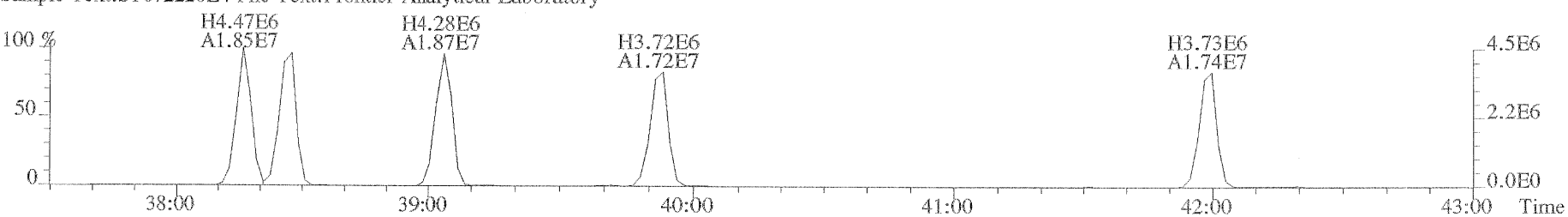
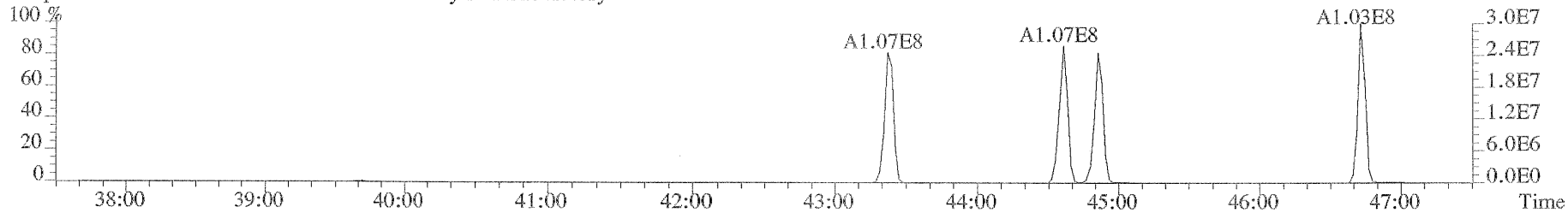
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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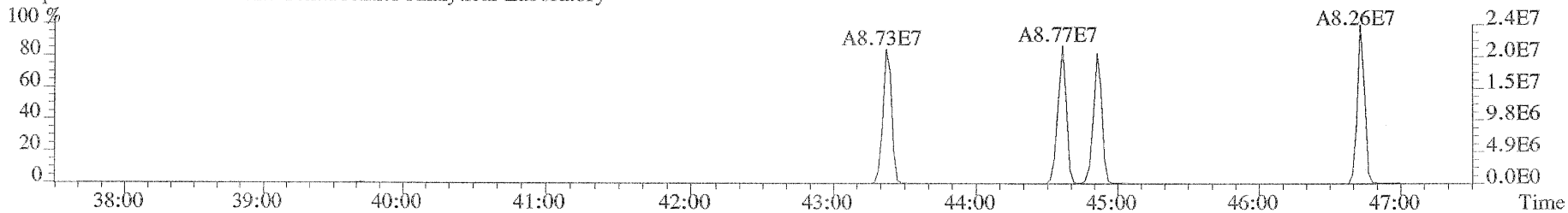
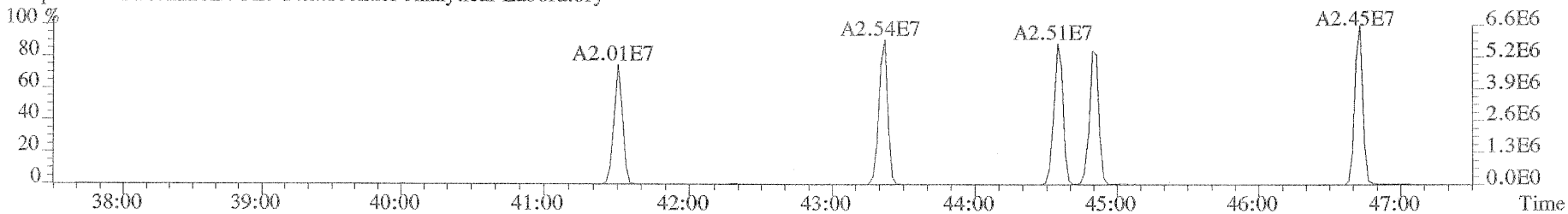
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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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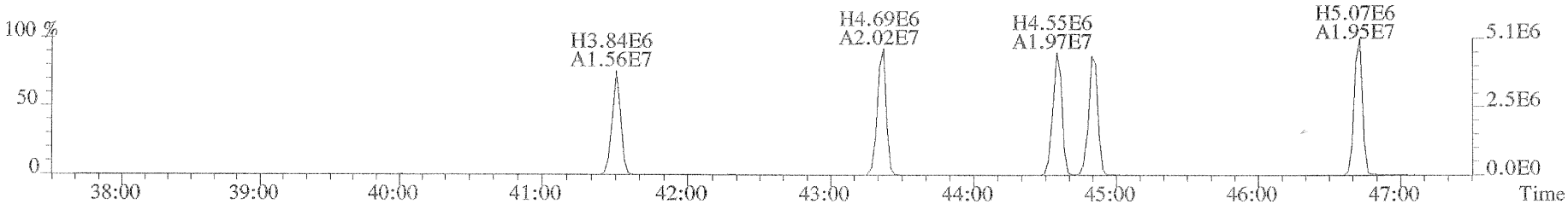
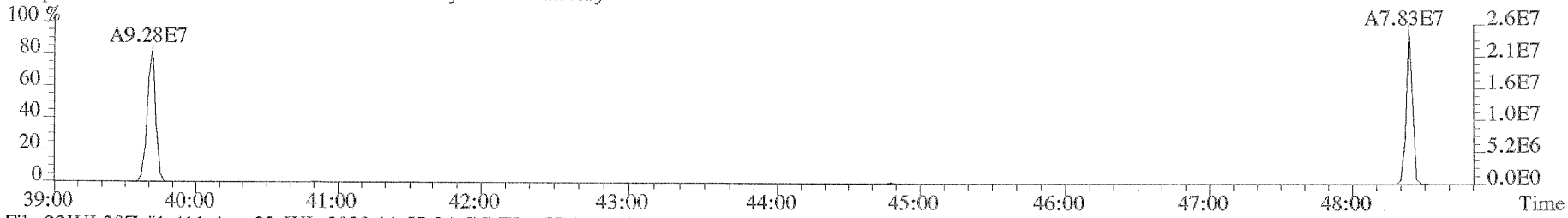
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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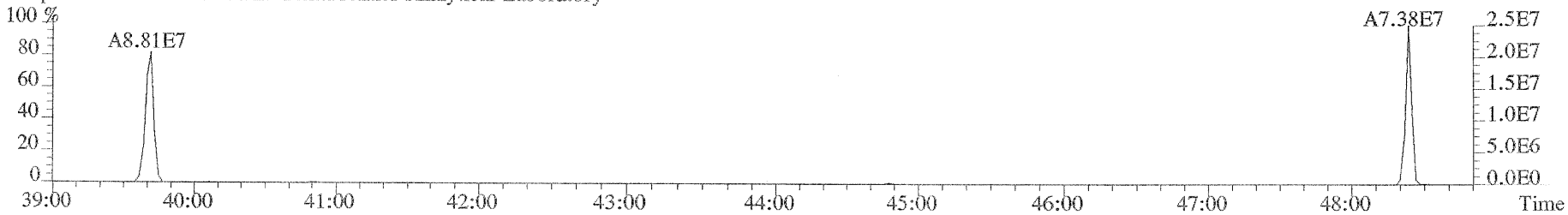
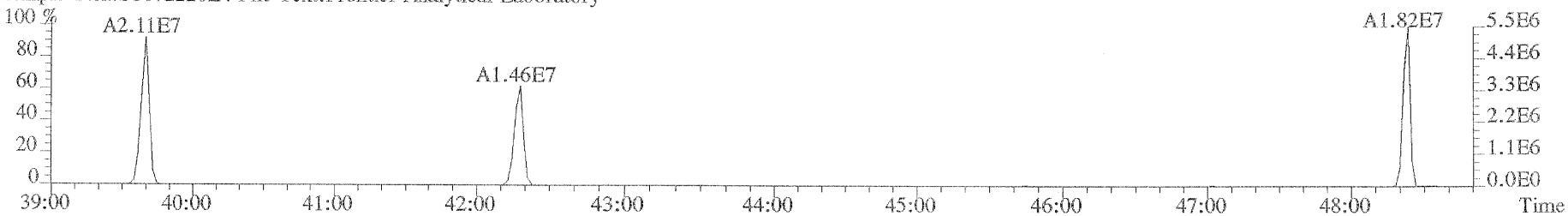


File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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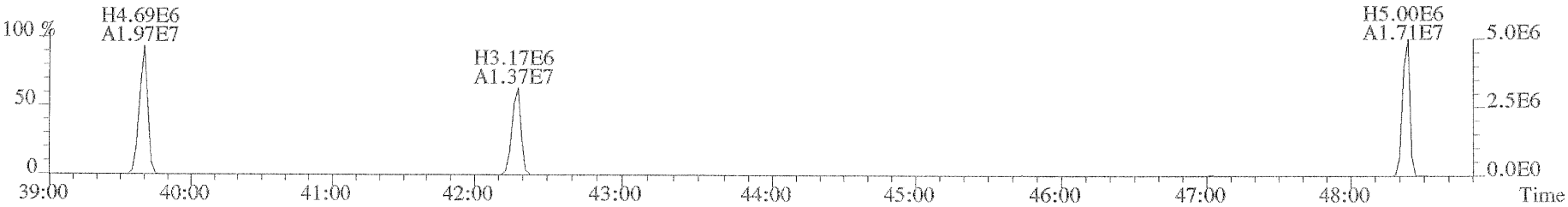
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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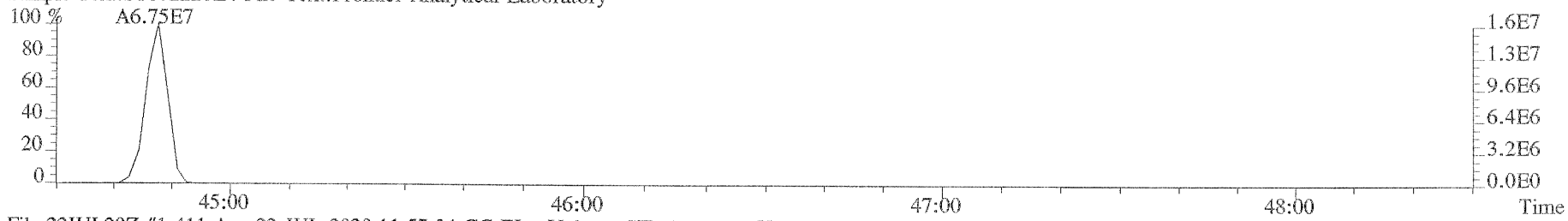
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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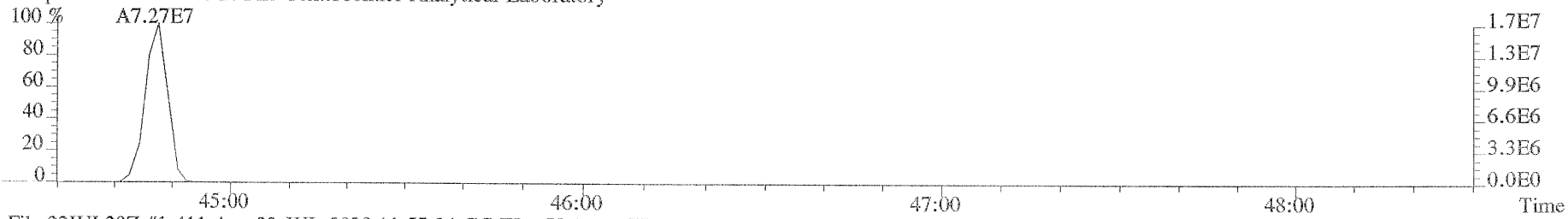
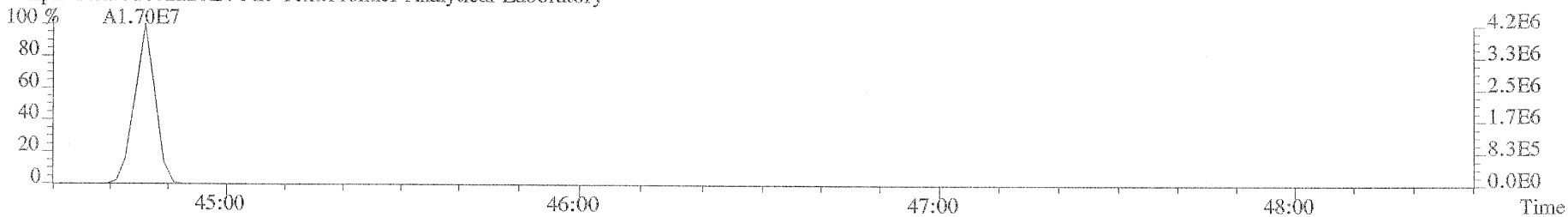
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
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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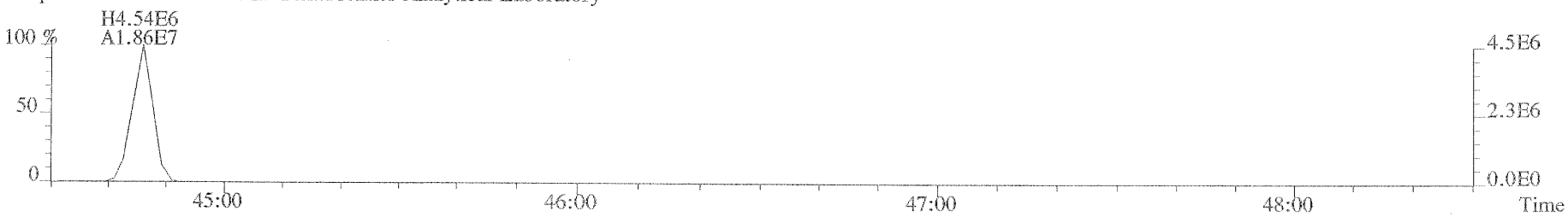
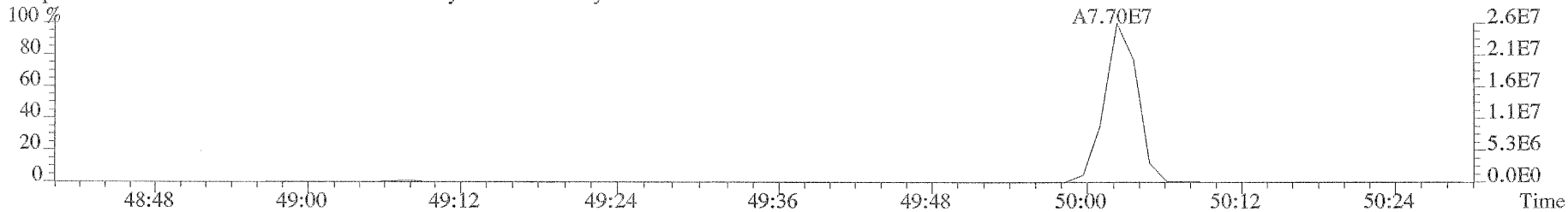
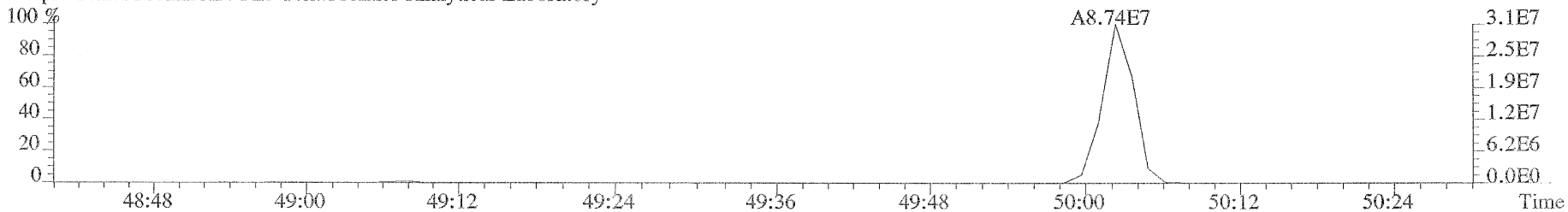
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



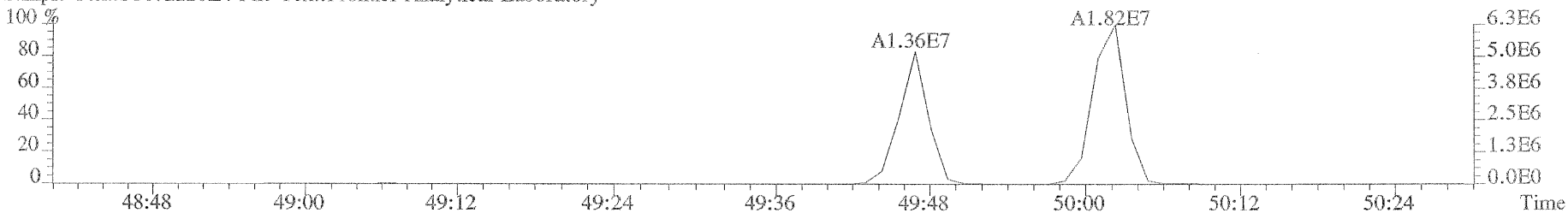
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



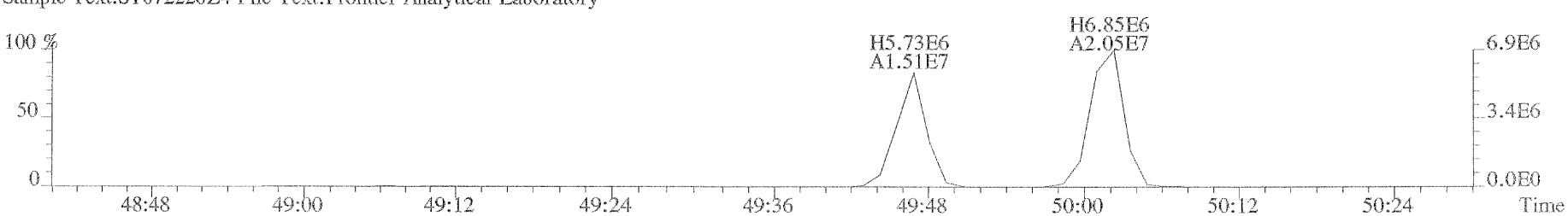
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



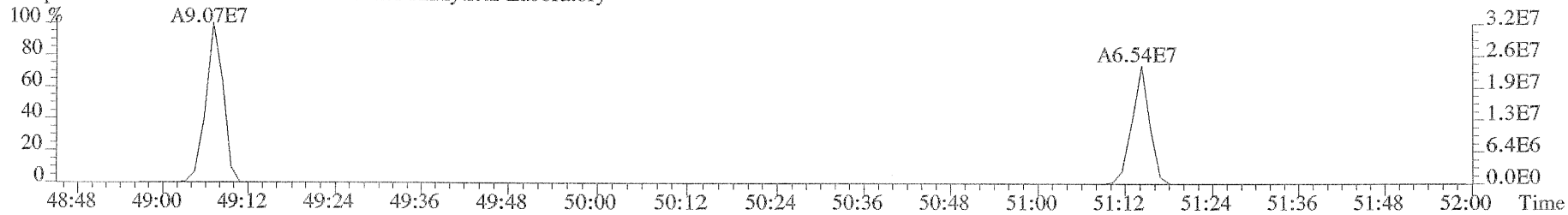
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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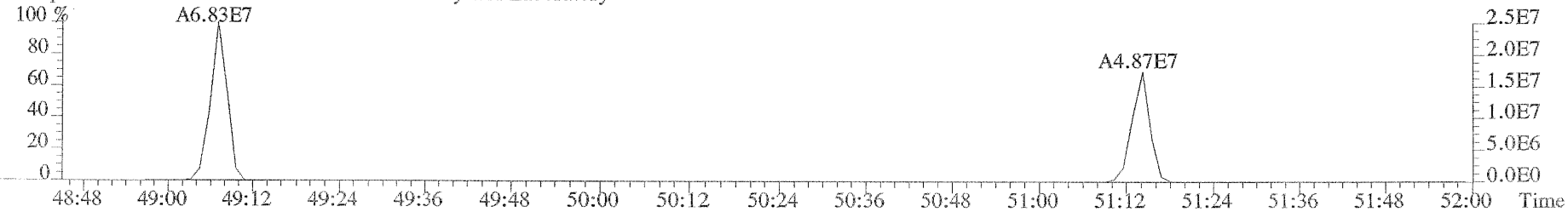
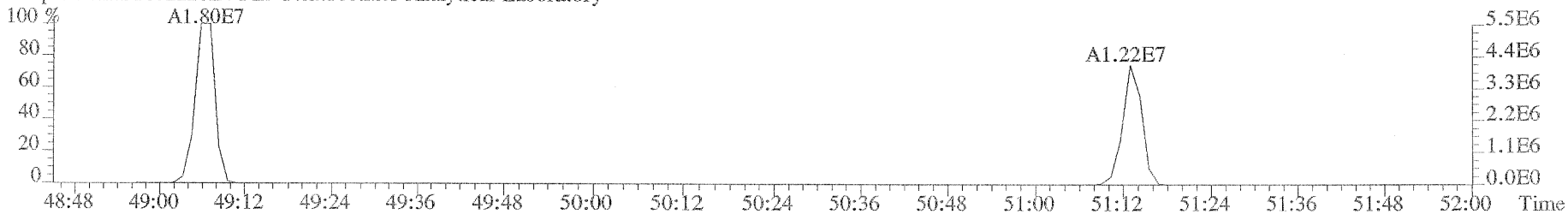
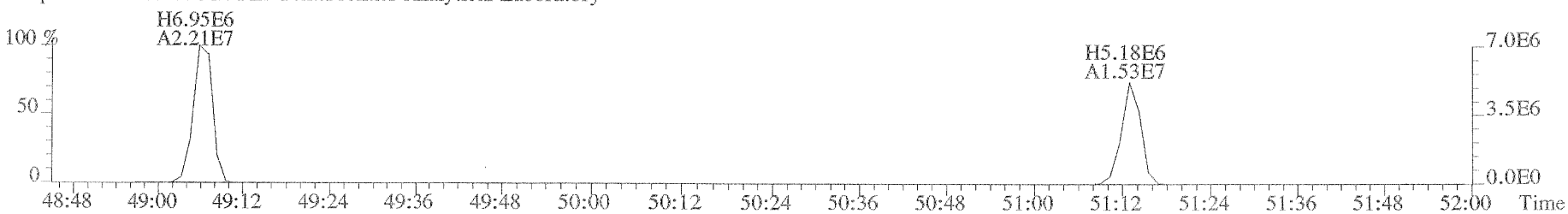
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



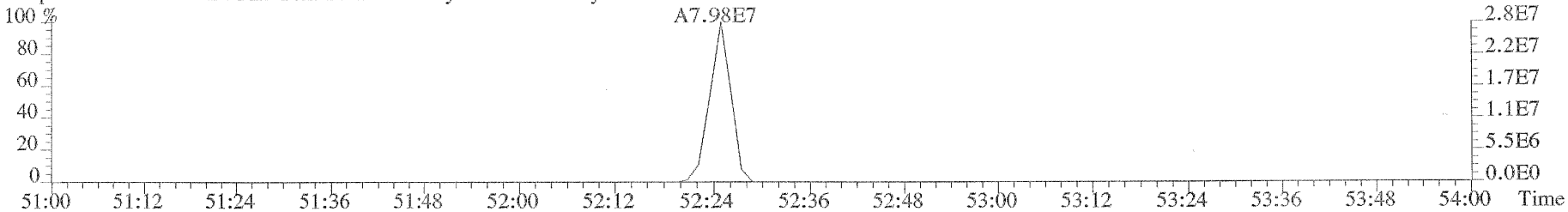
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



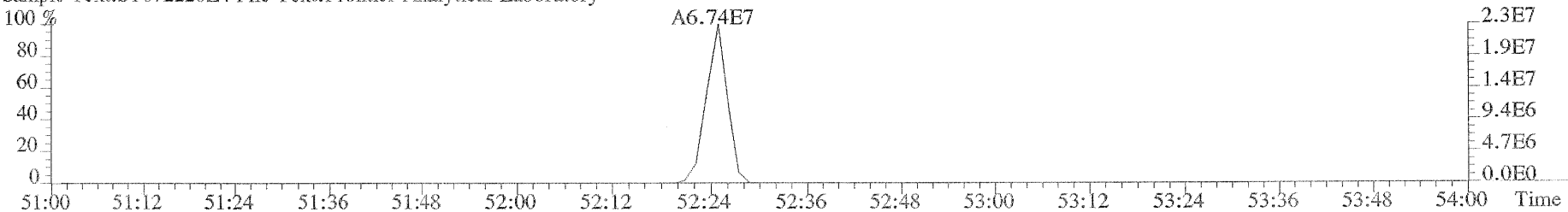
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



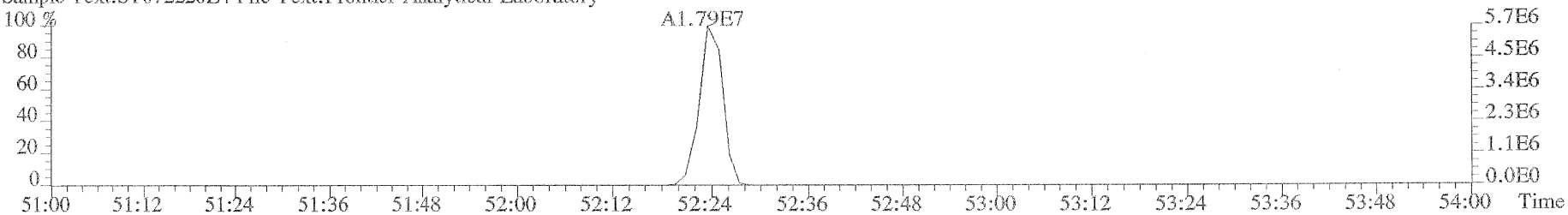
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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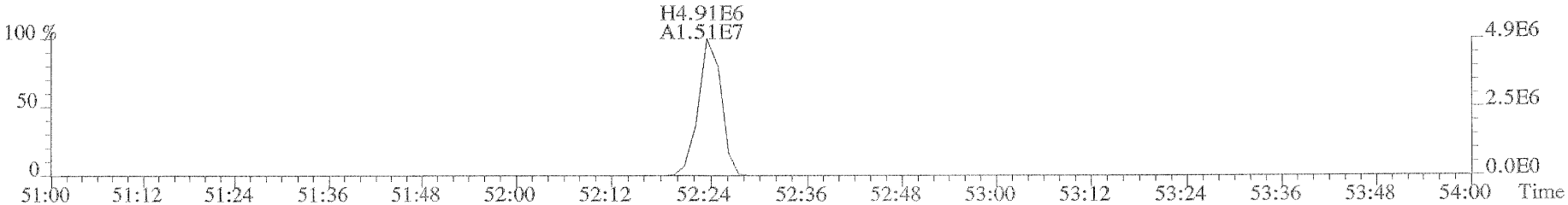
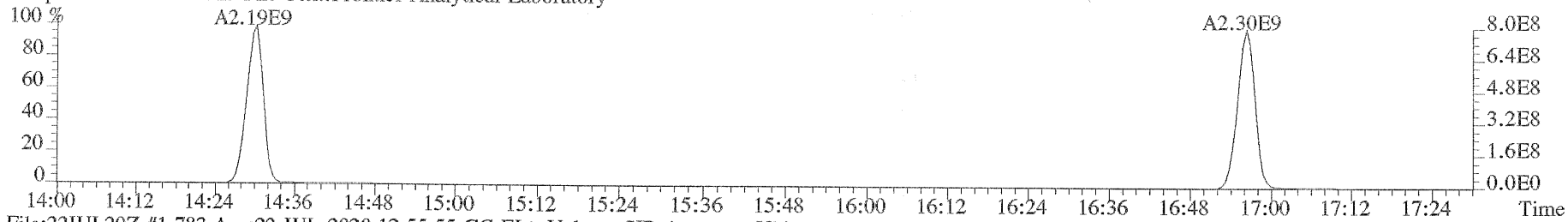
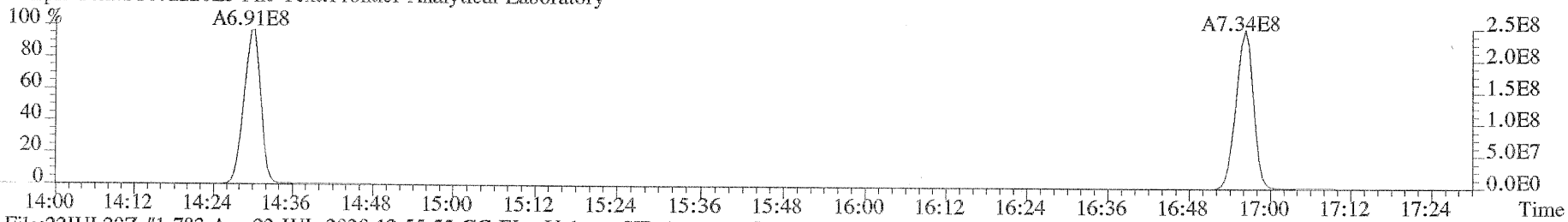
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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



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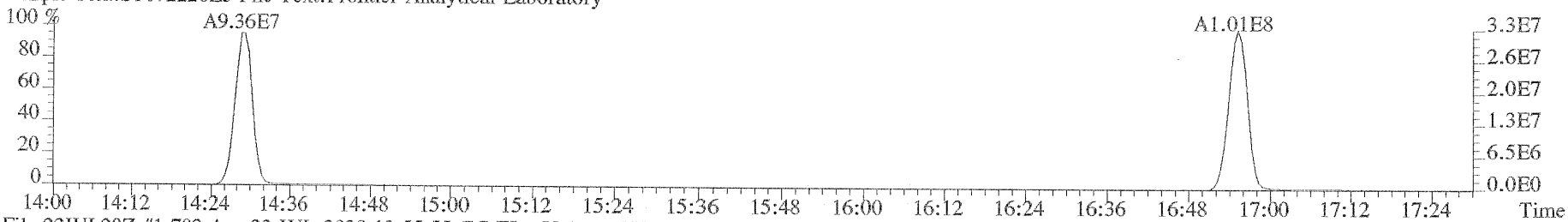
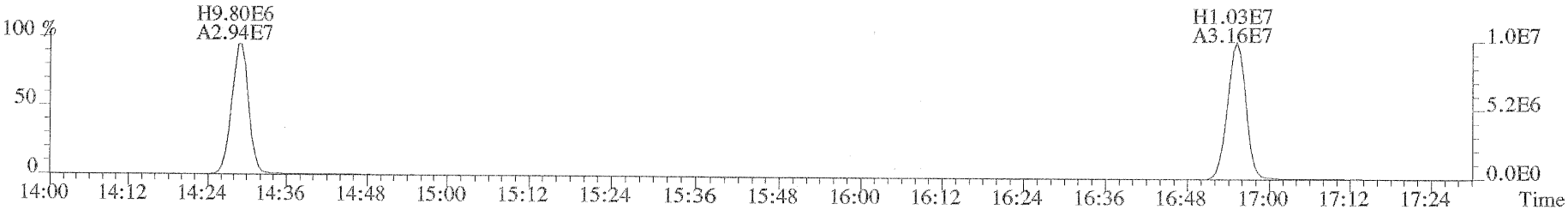
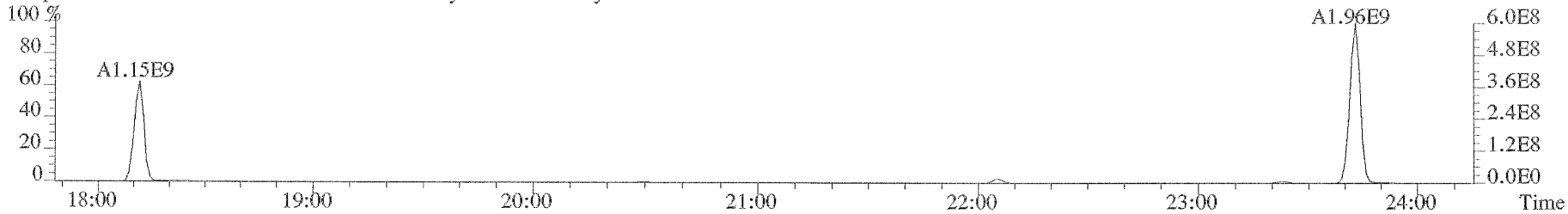
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



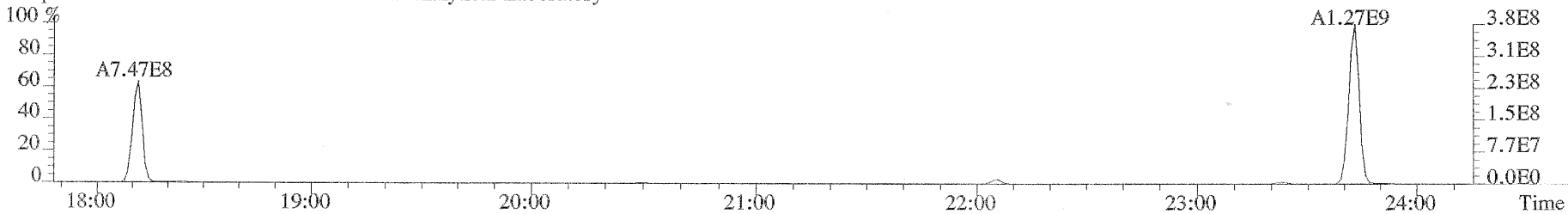
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



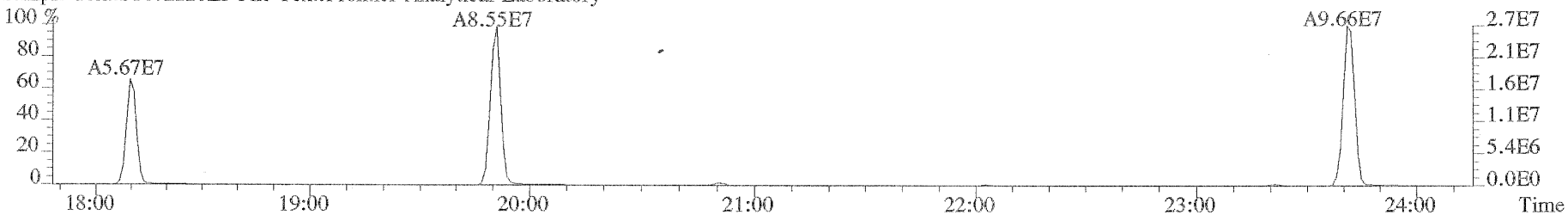
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



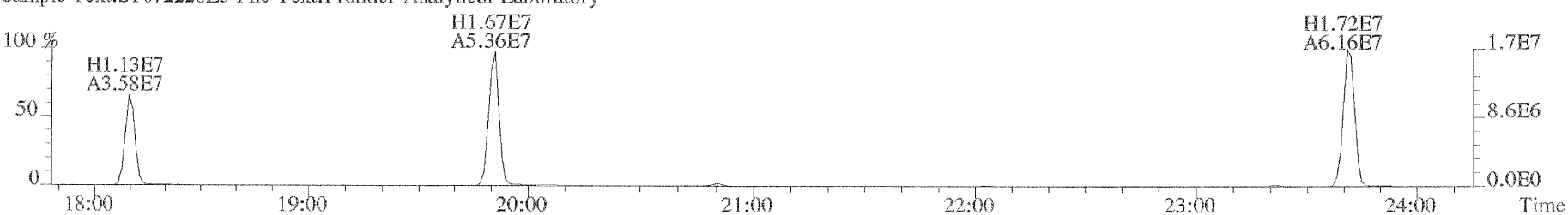
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



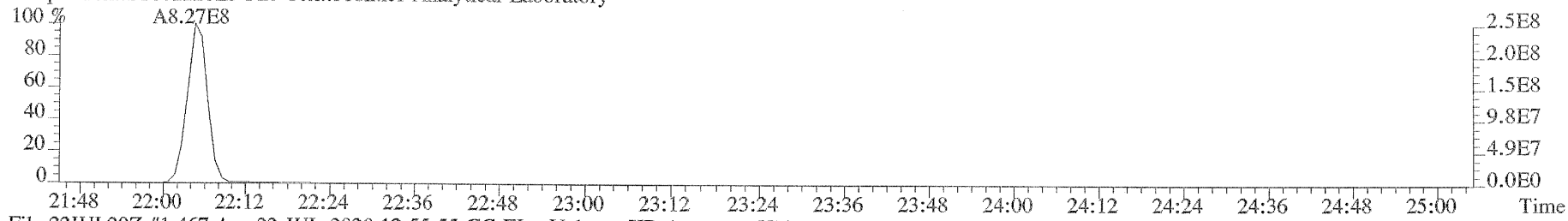
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



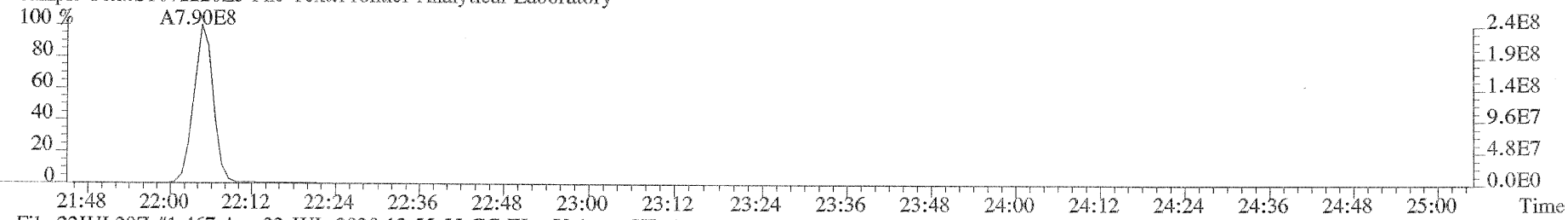
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



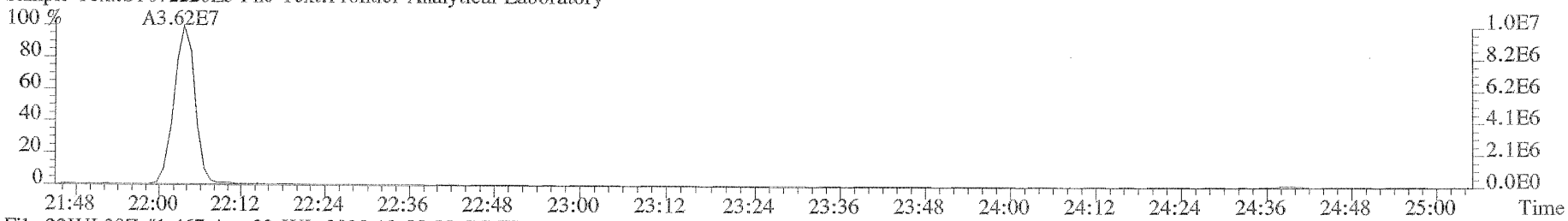
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



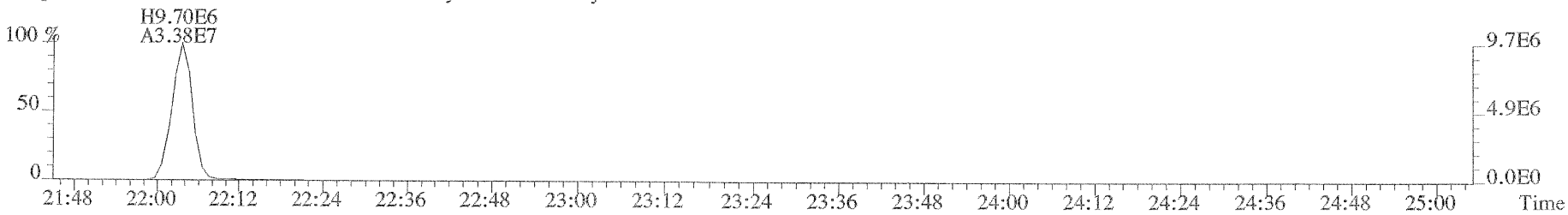
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



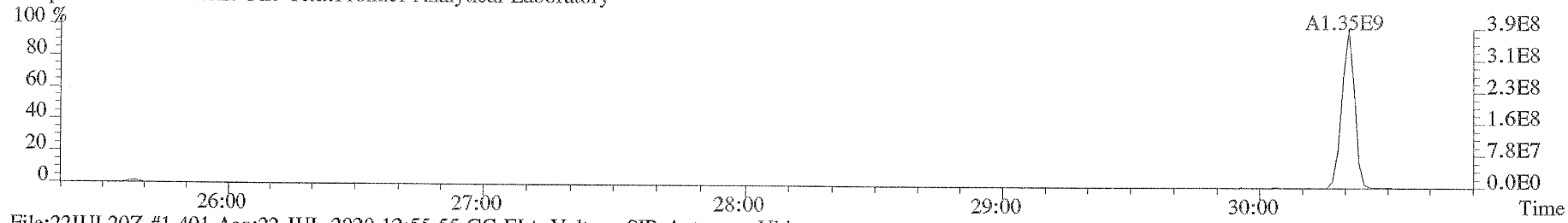
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



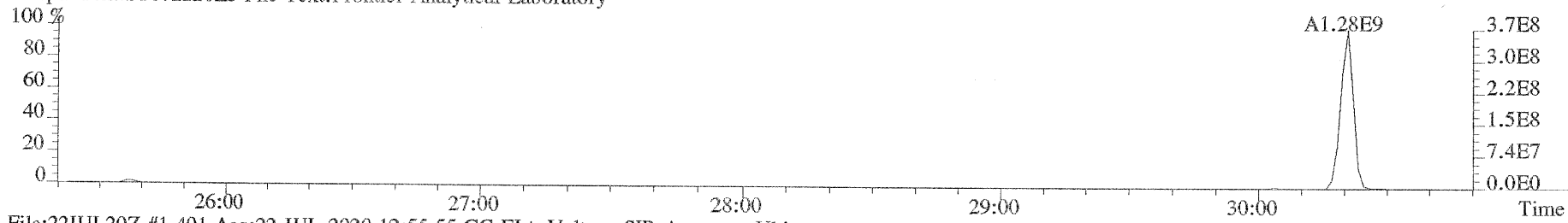
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



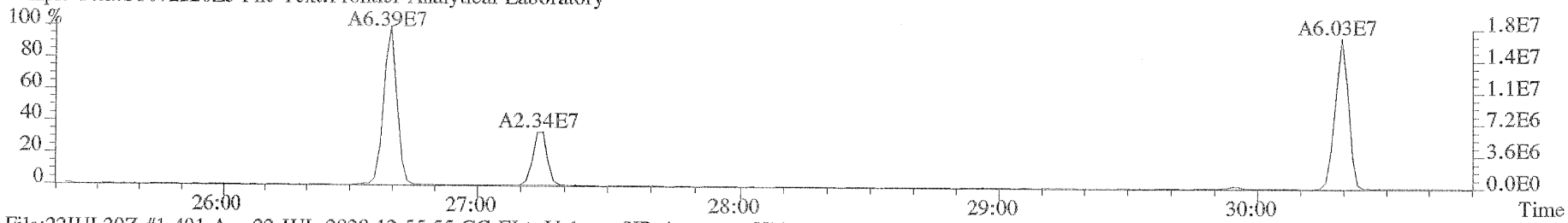
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



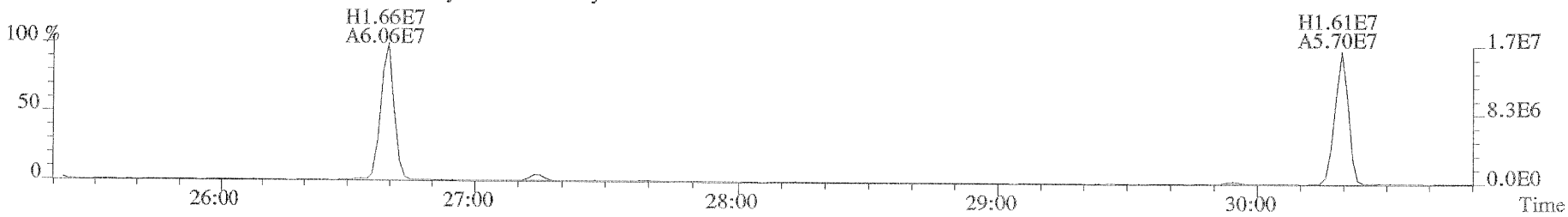
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



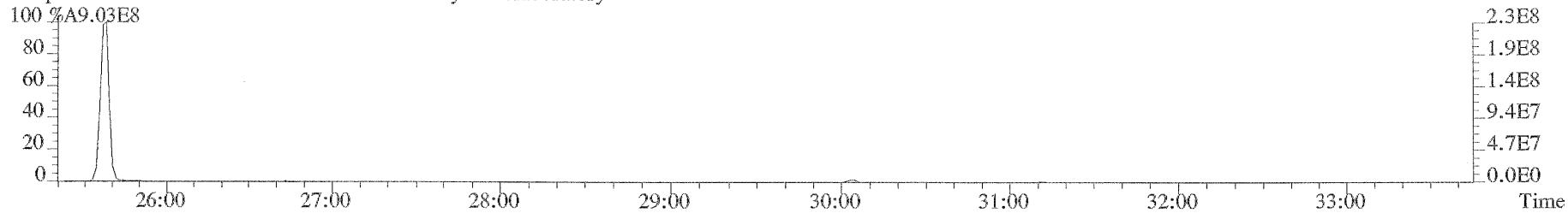
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



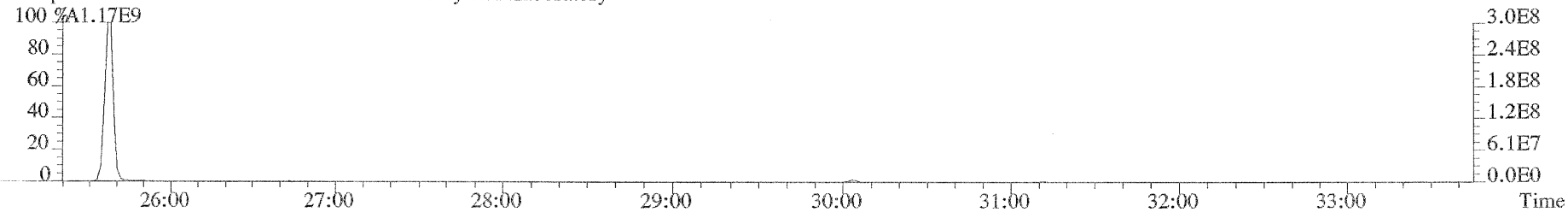
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



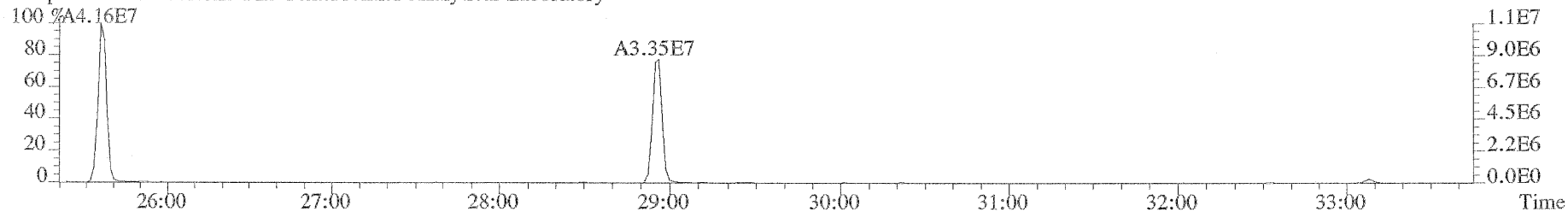
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



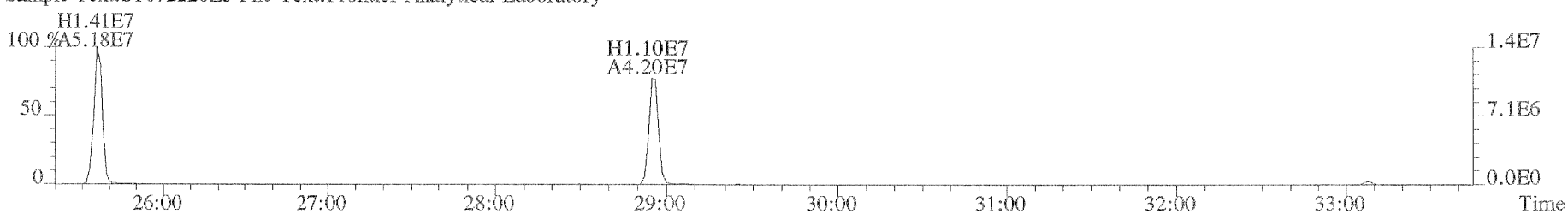
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



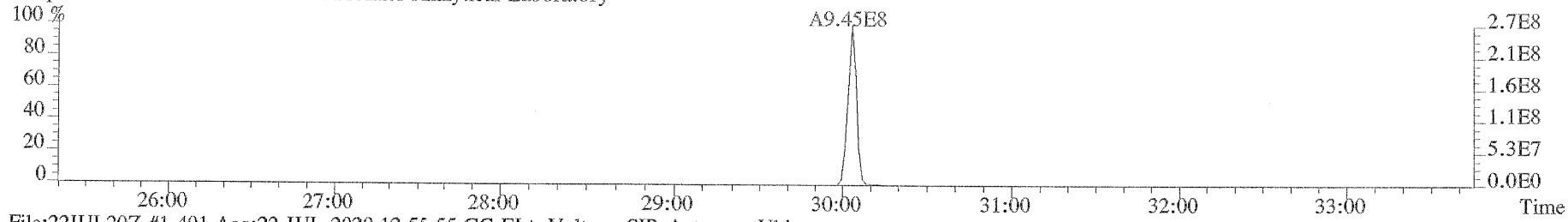
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



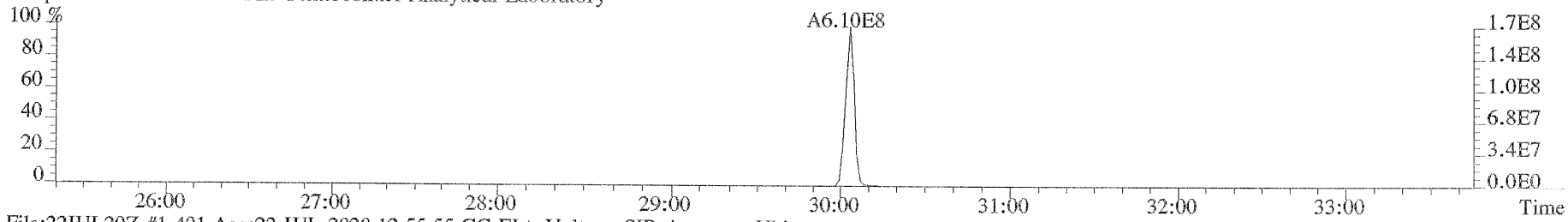
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



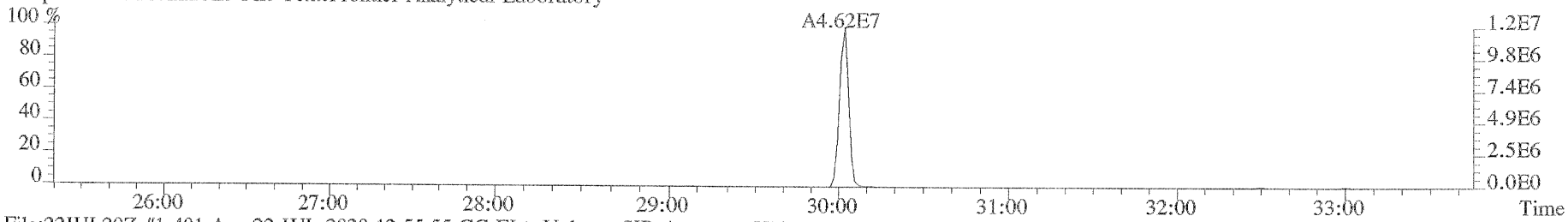
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



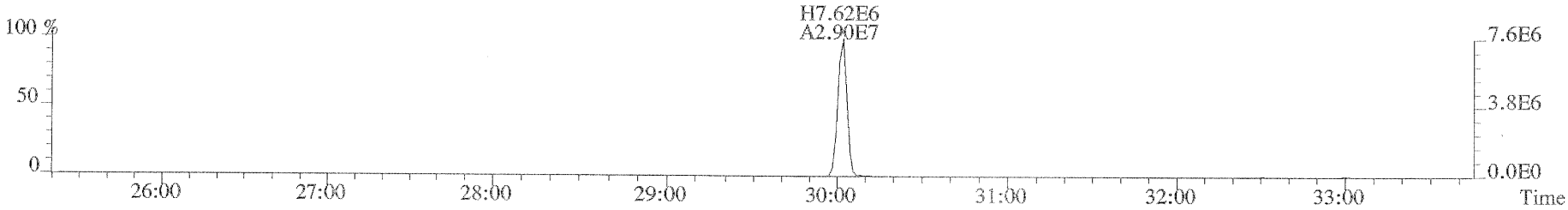
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



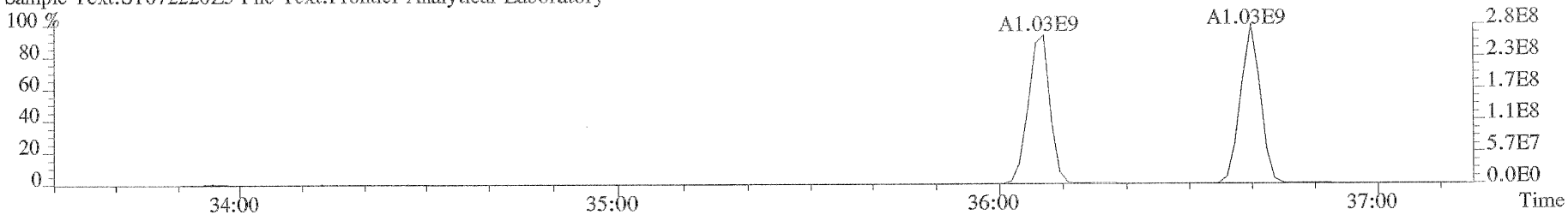
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



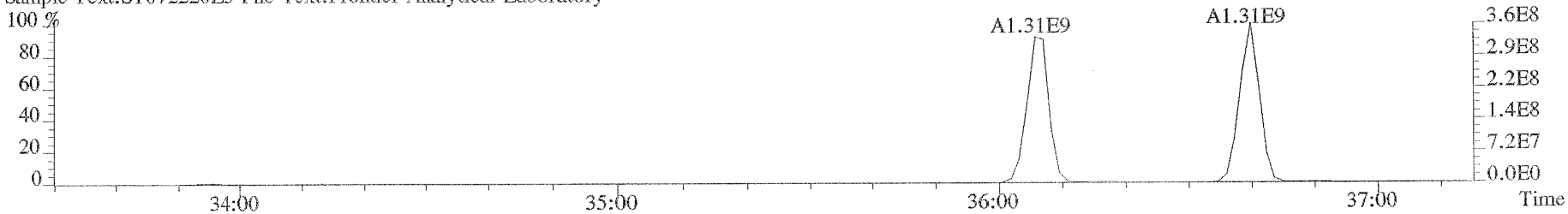
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



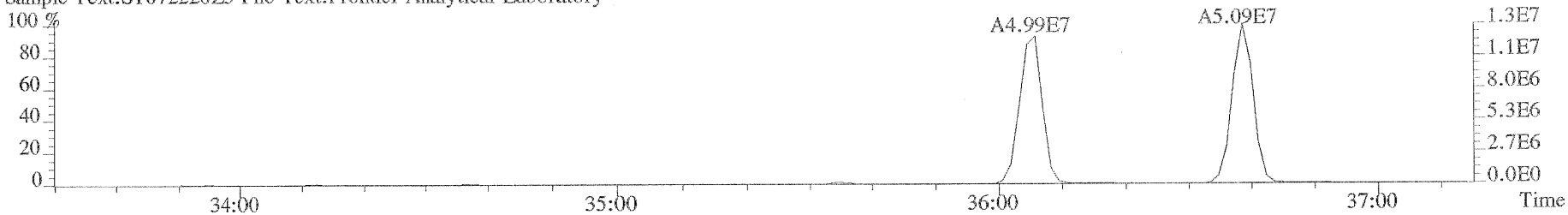
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



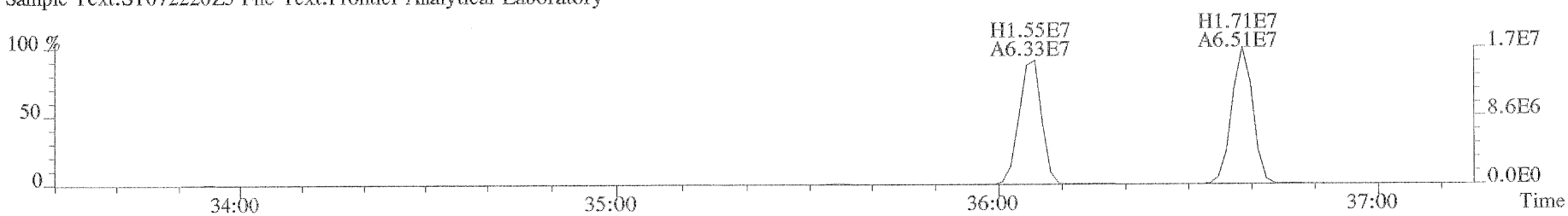
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



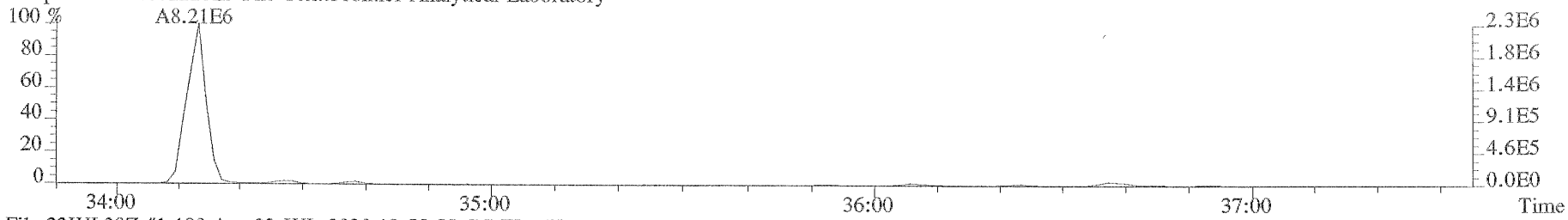
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



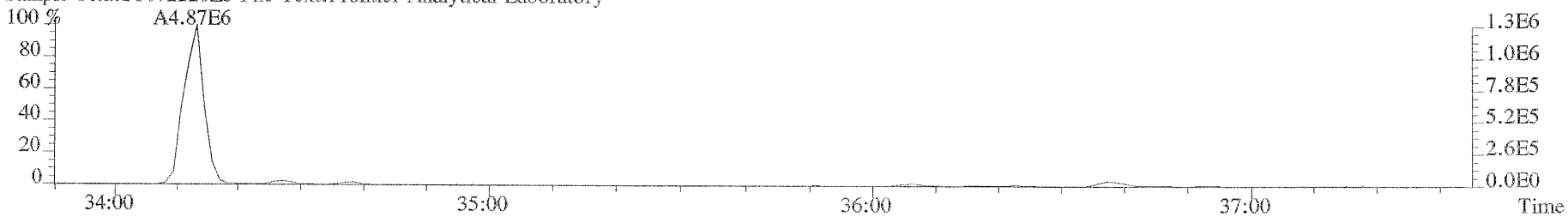
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



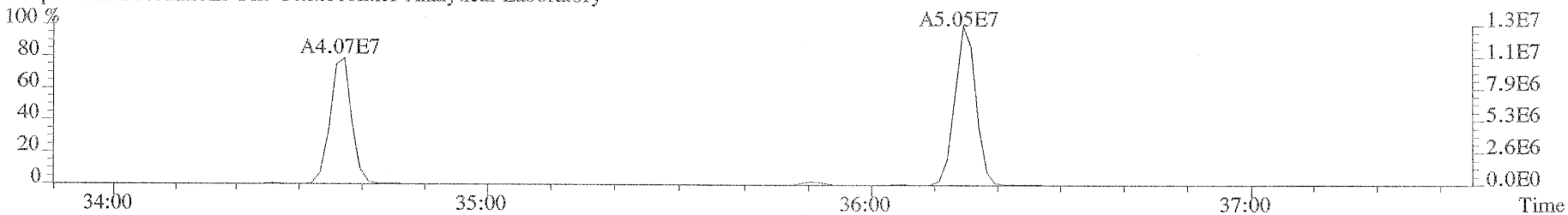
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



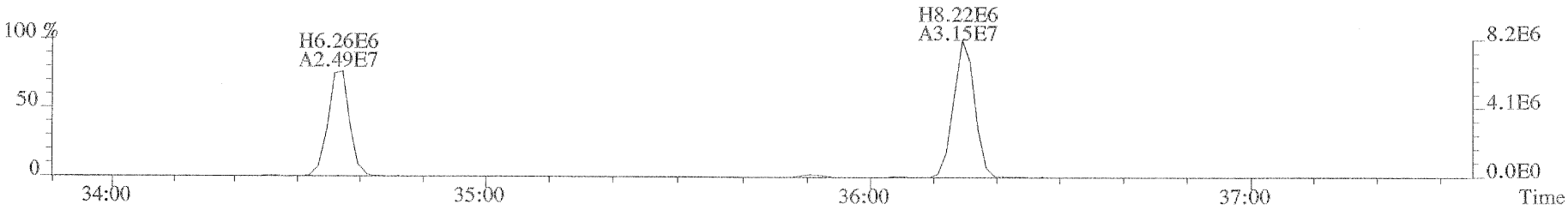
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



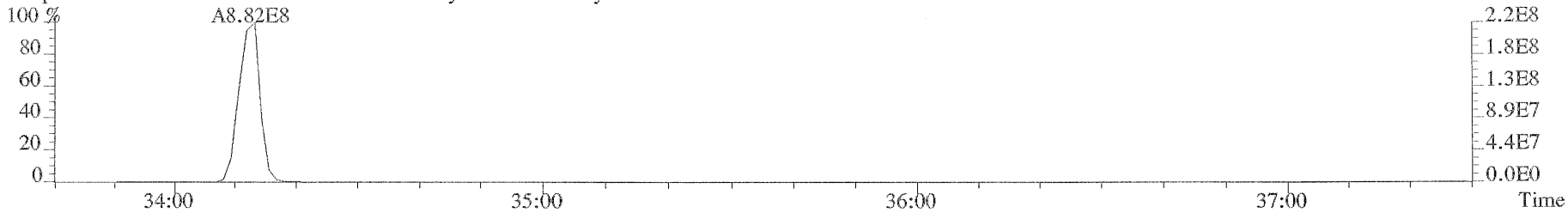
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



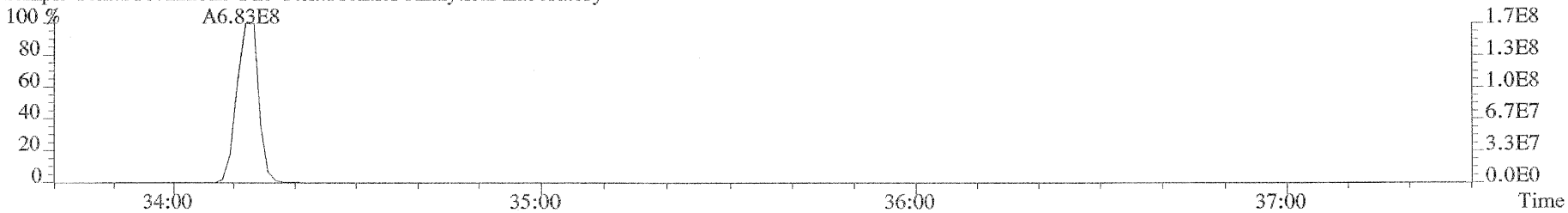
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



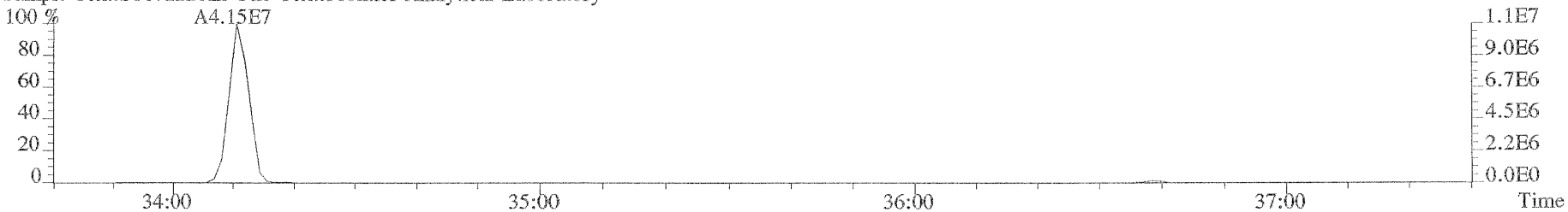
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



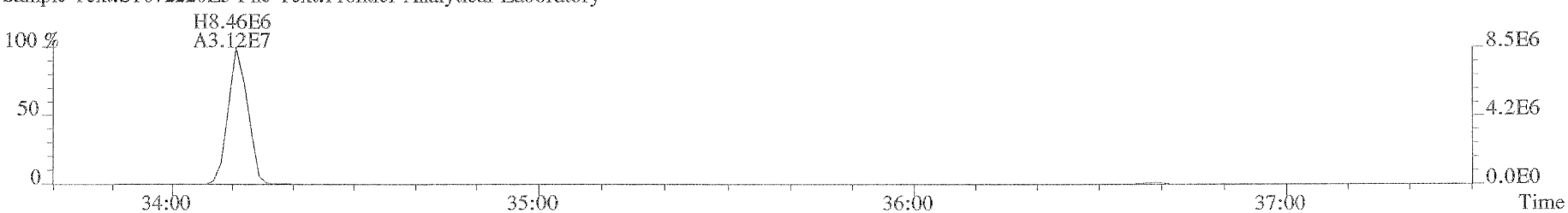
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



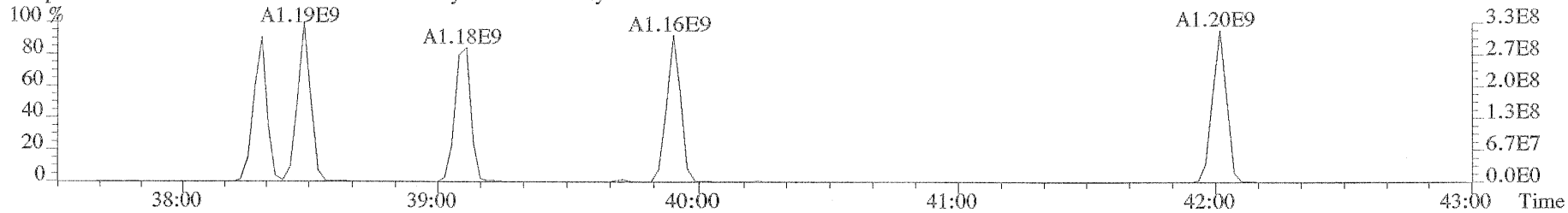
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



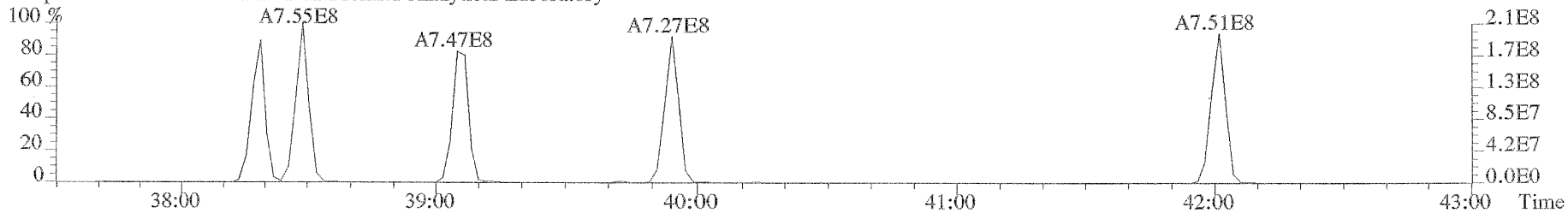
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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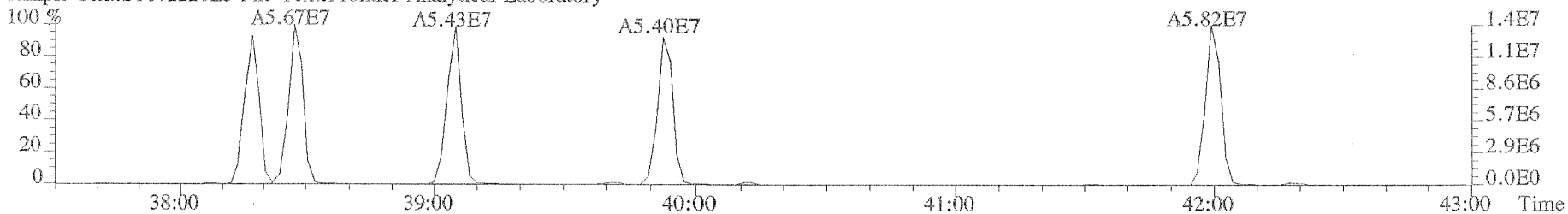
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
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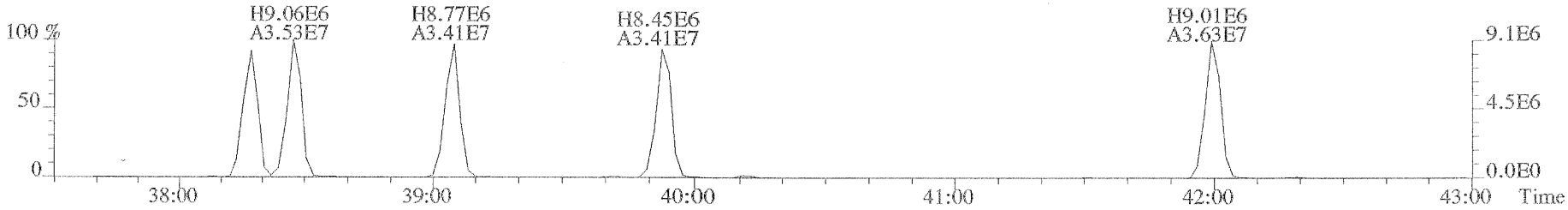
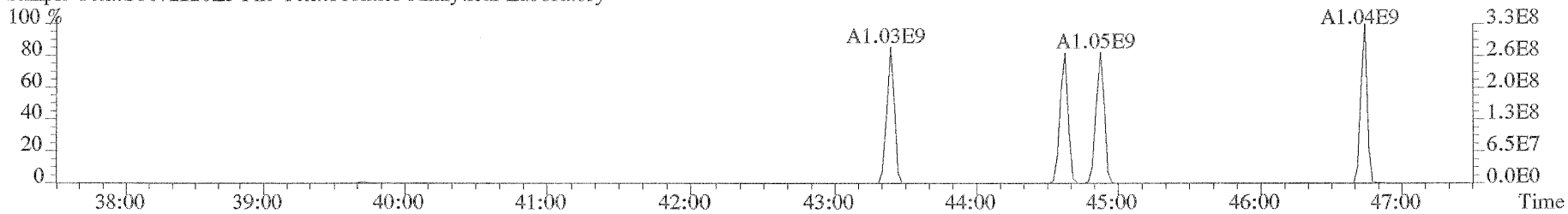
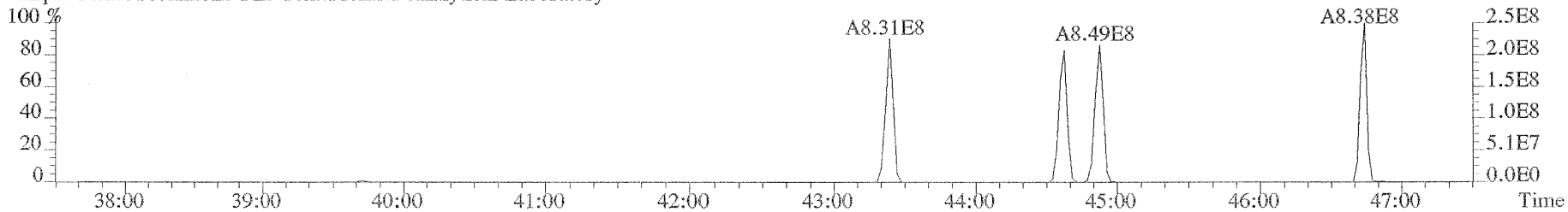
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



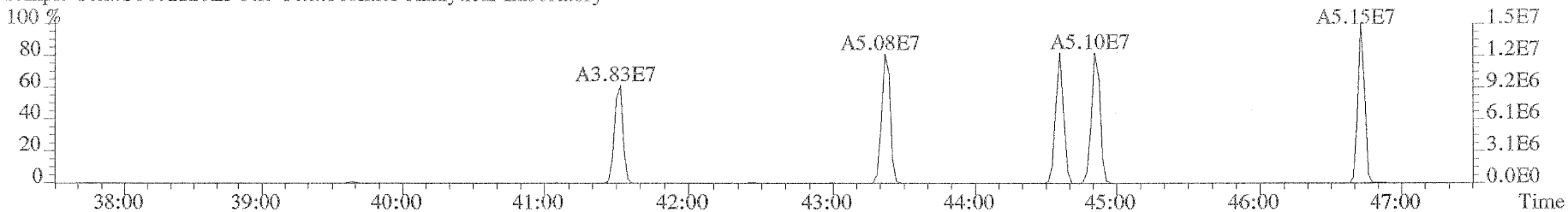
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



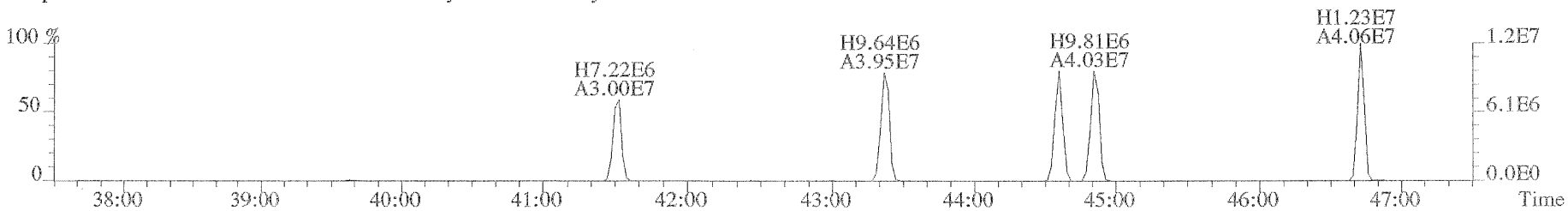
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



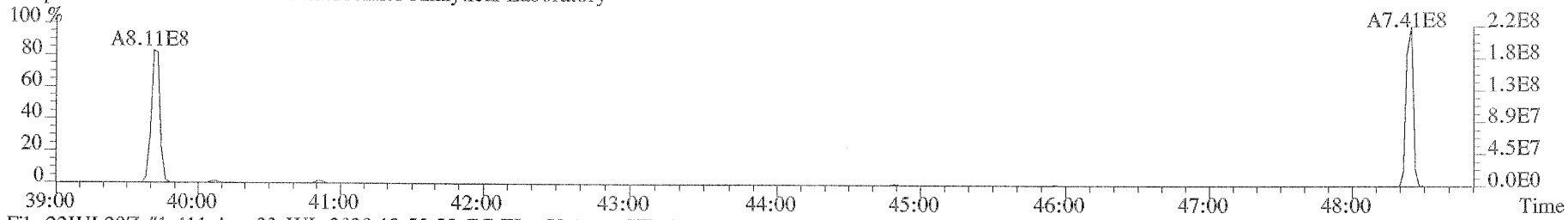
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



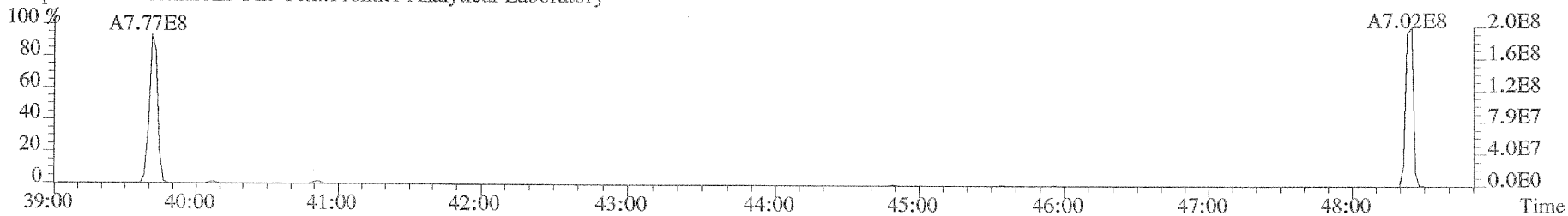
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



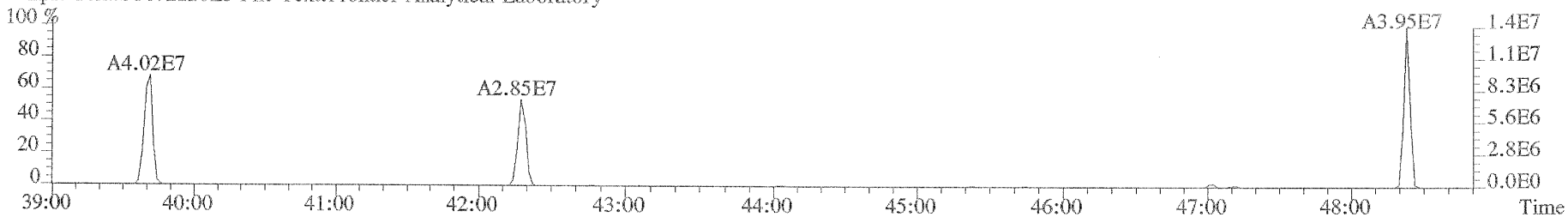
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



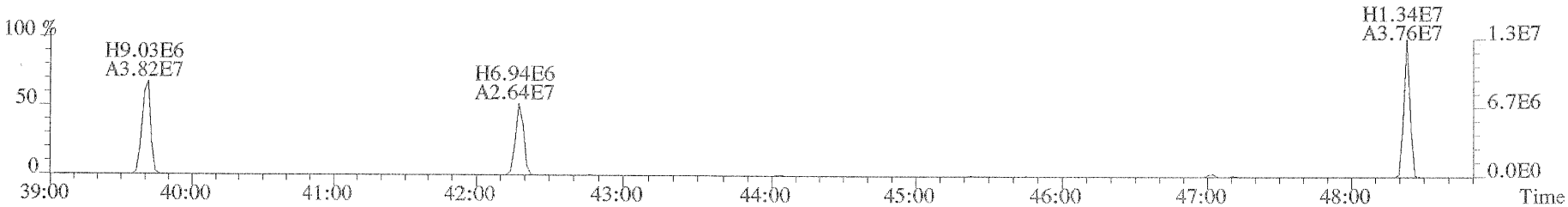
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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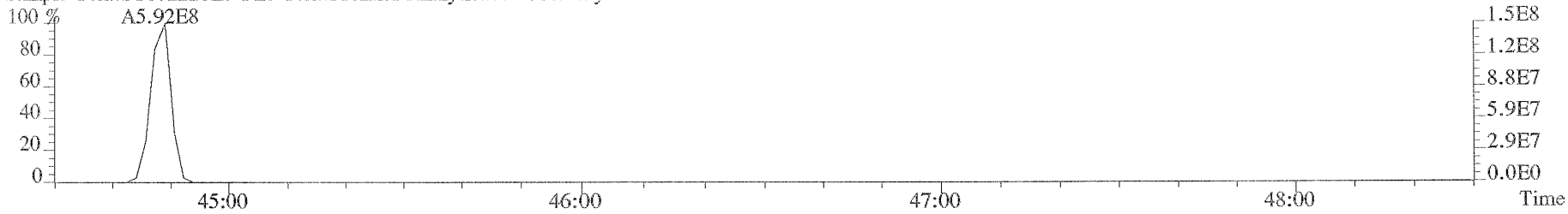
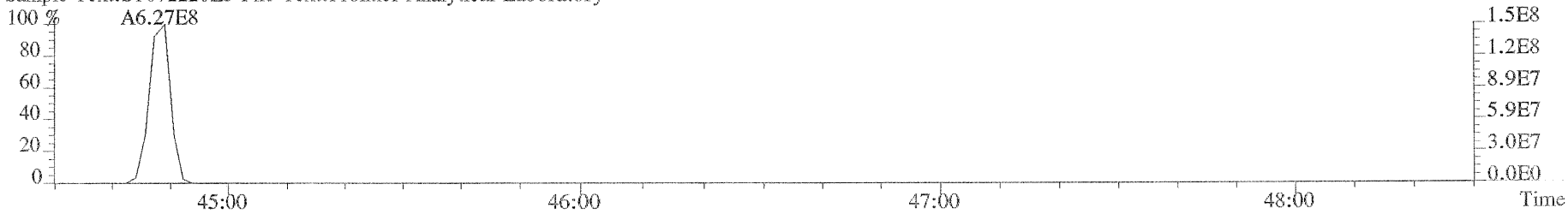
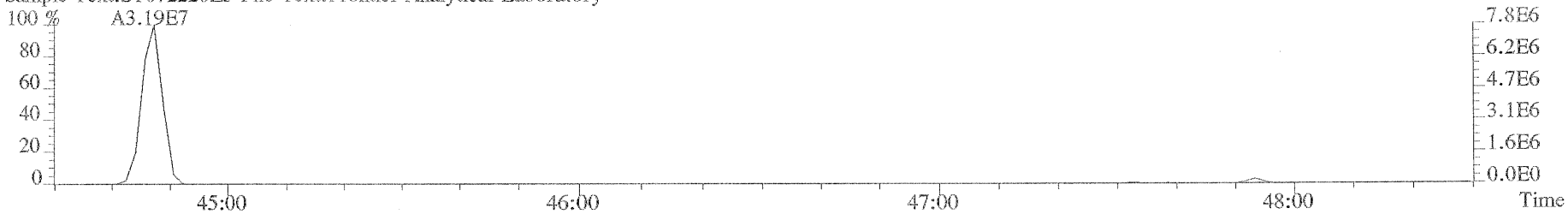
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



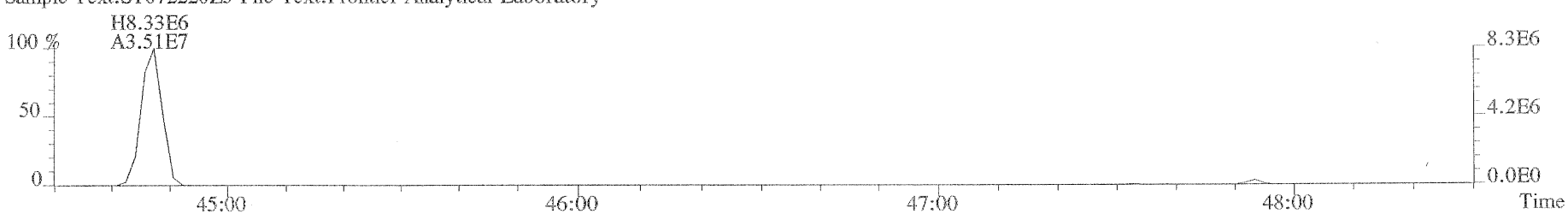
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



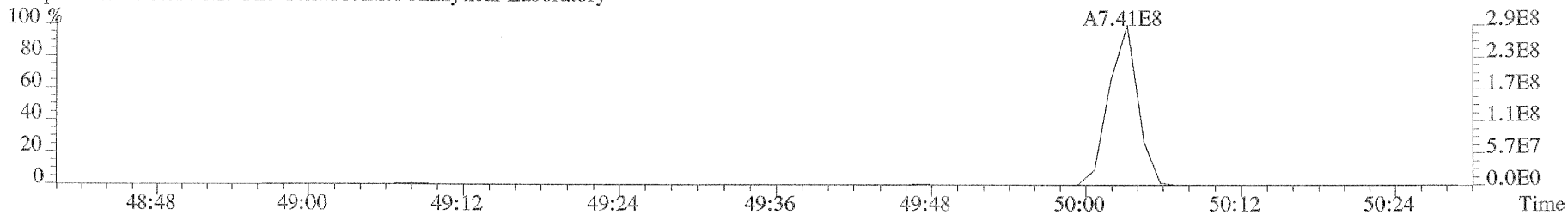
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



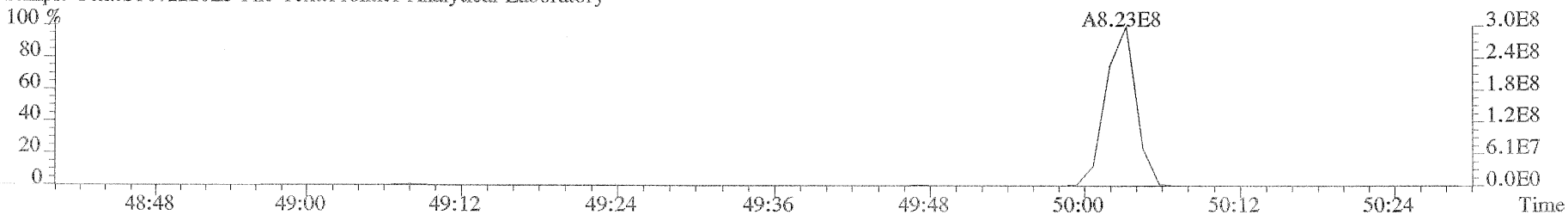
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



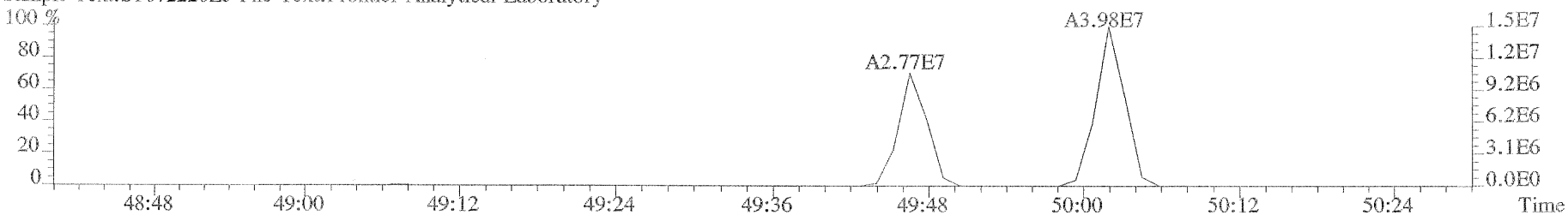
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



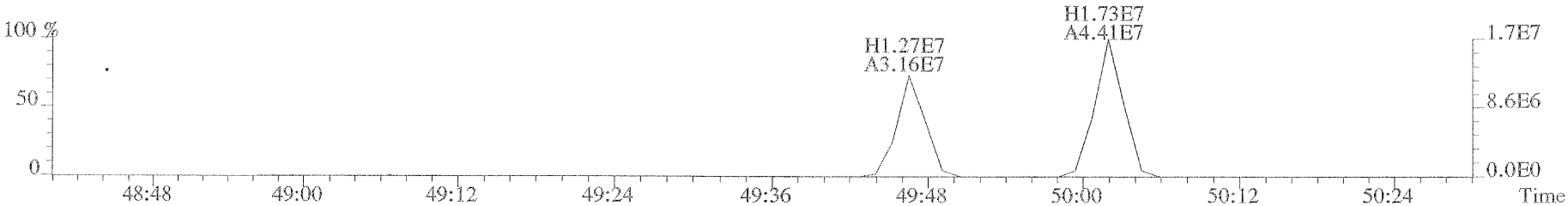
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



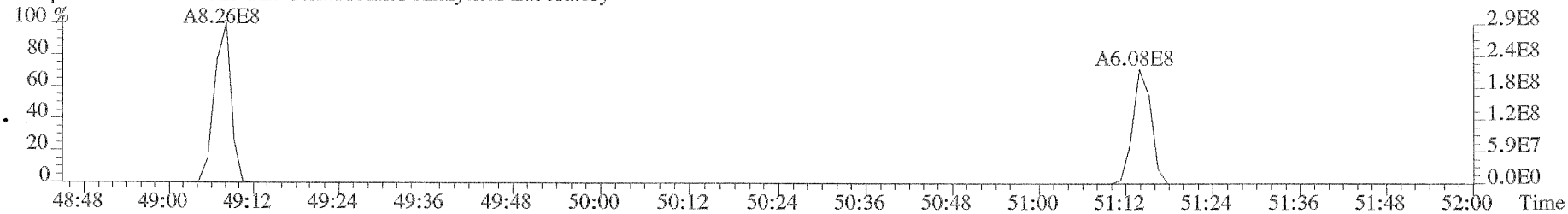
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



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



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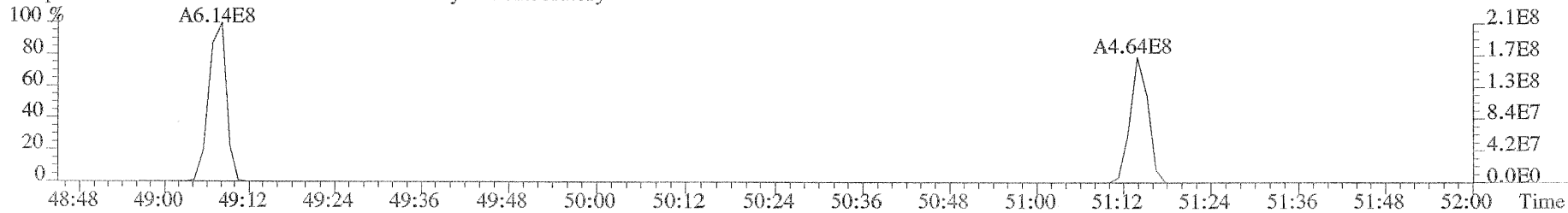
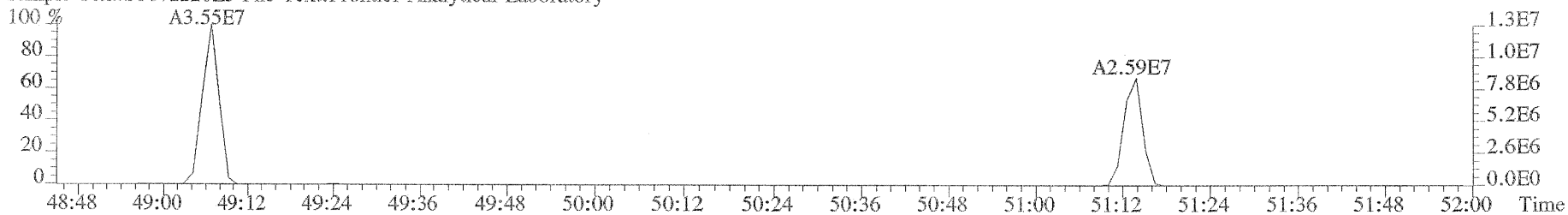
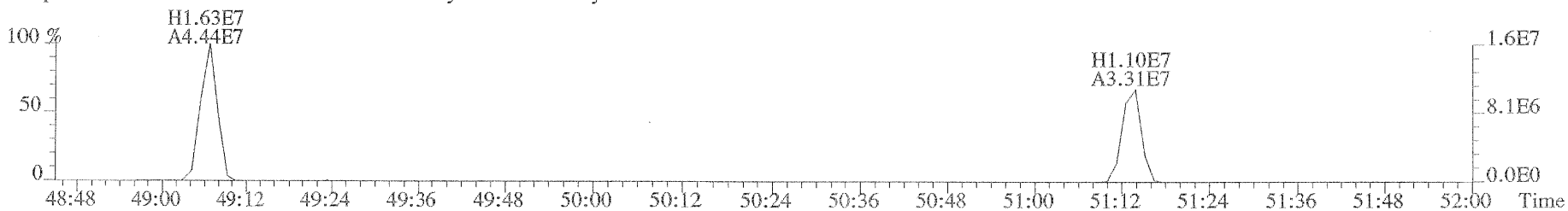
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



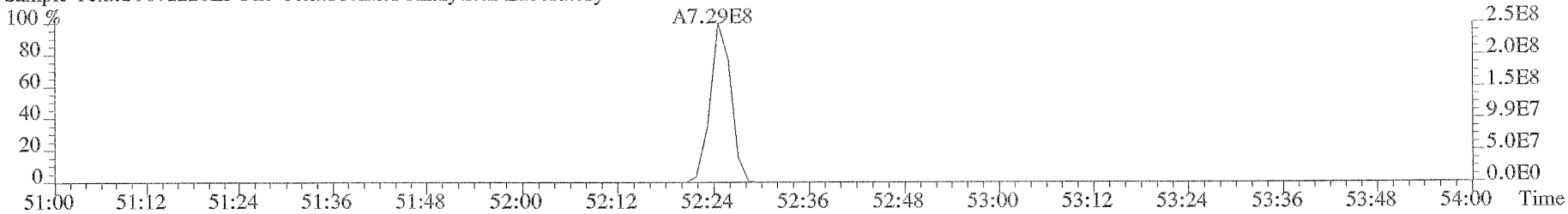
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



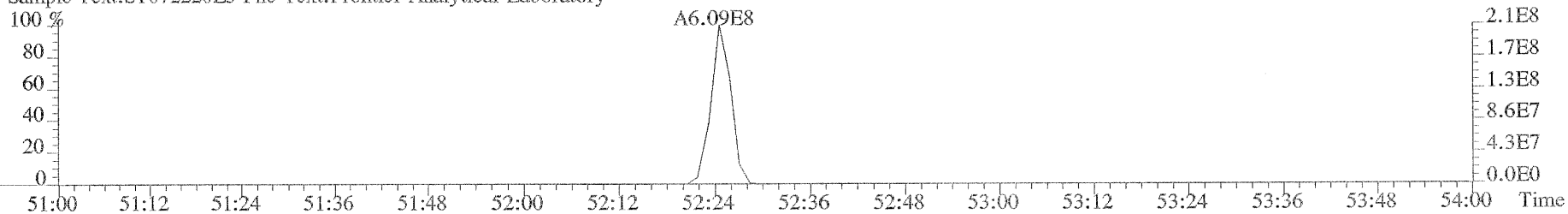
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



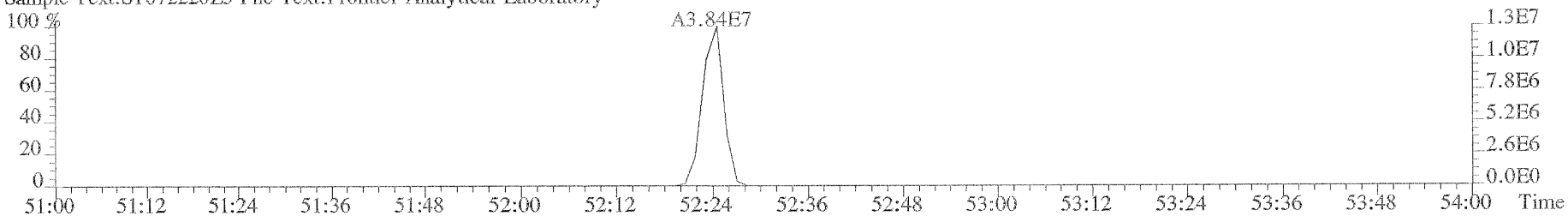
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



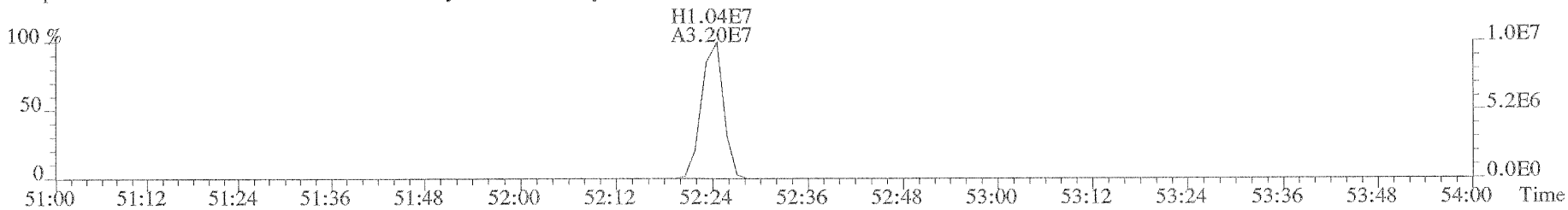
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



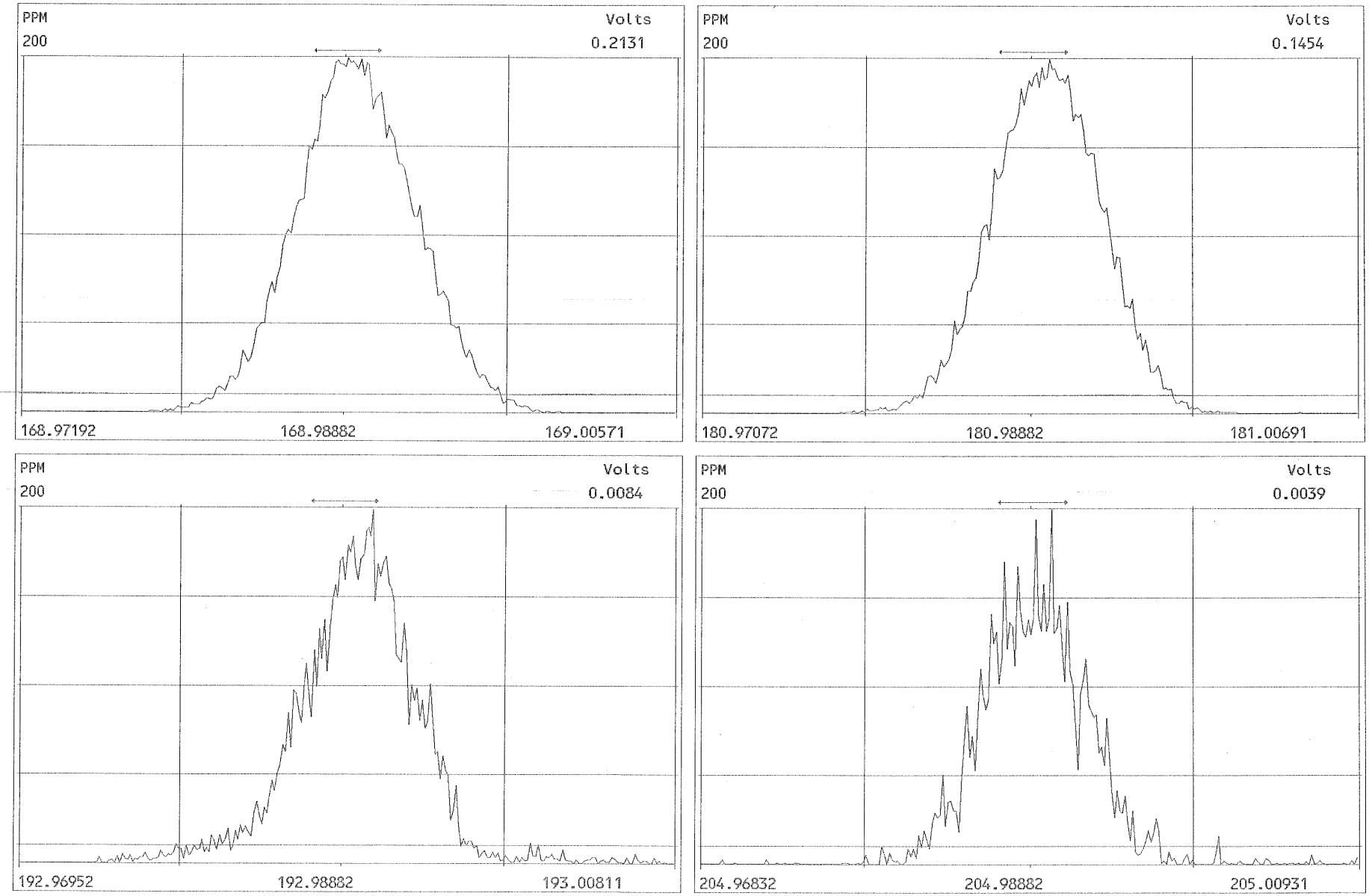
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

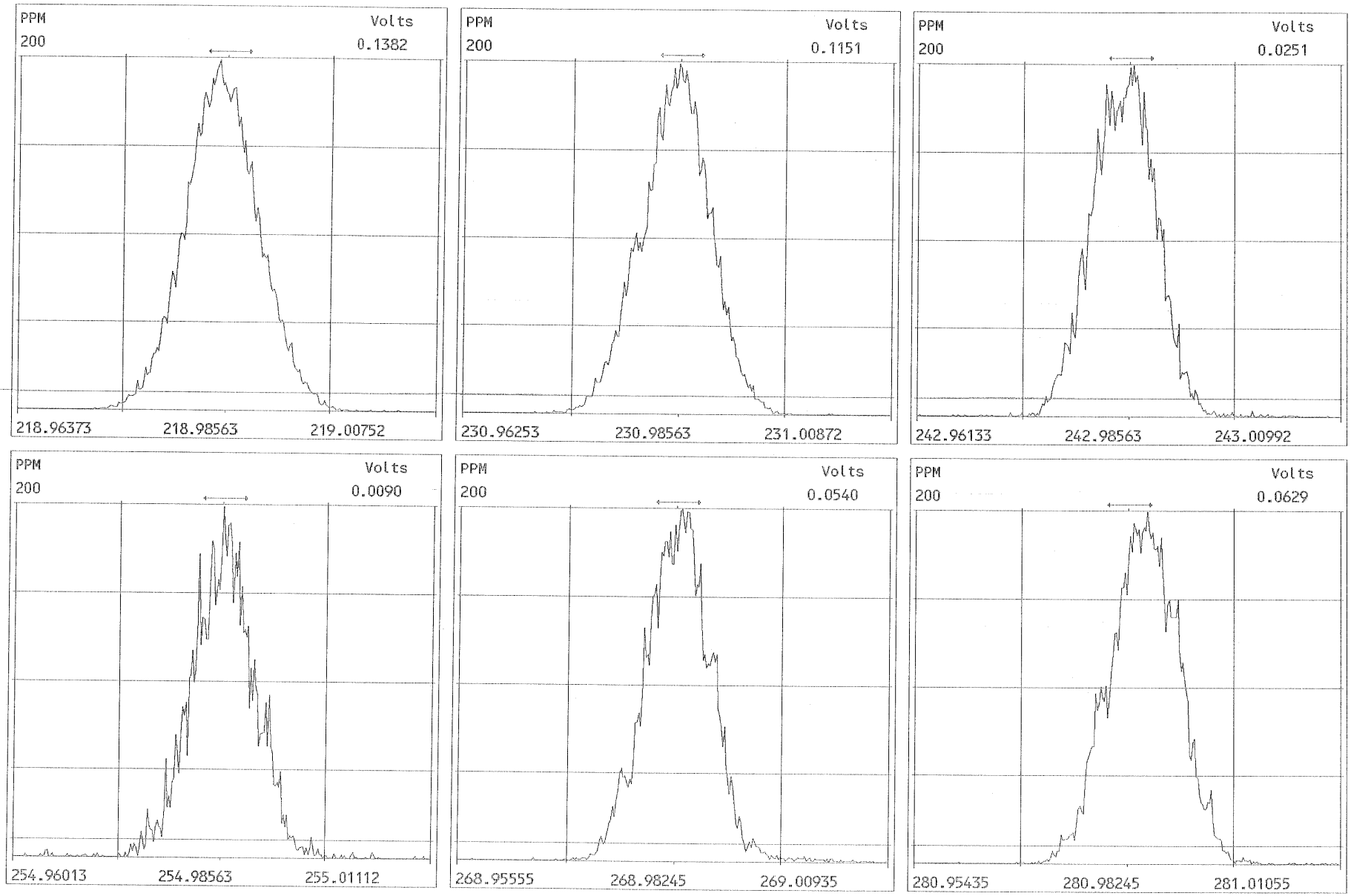


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

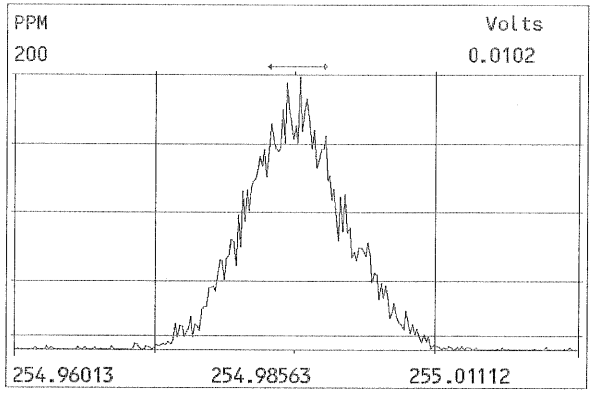


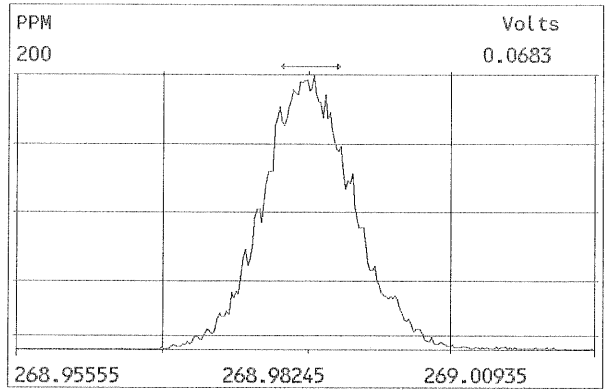
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

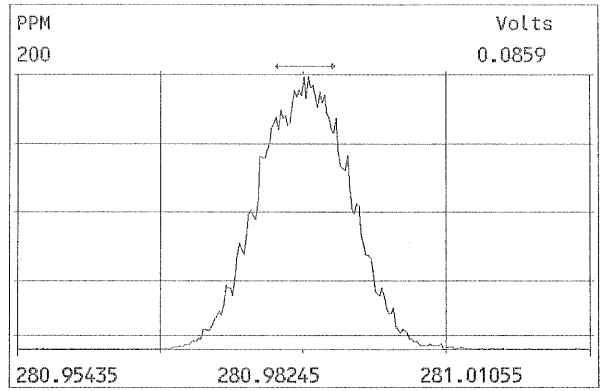
Experiment:1668PCB Function:2 Reference:PFK 98

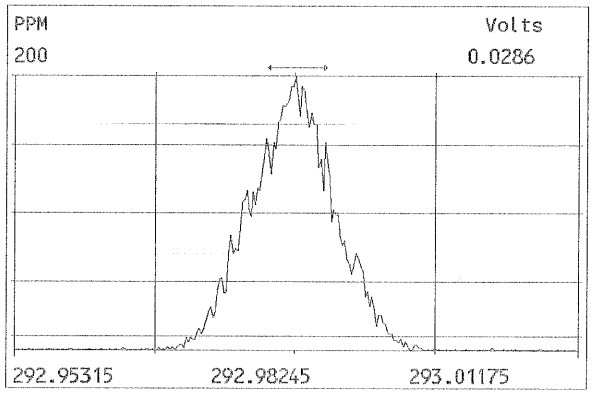


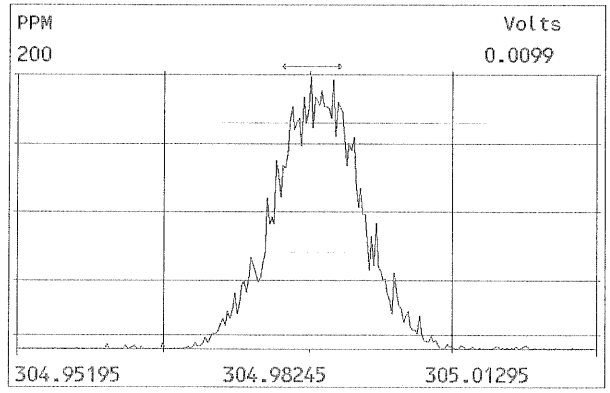
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

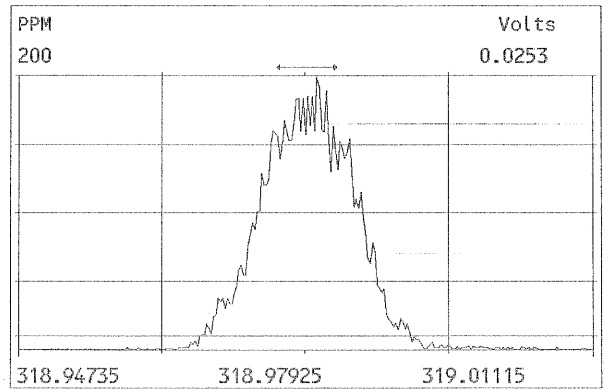


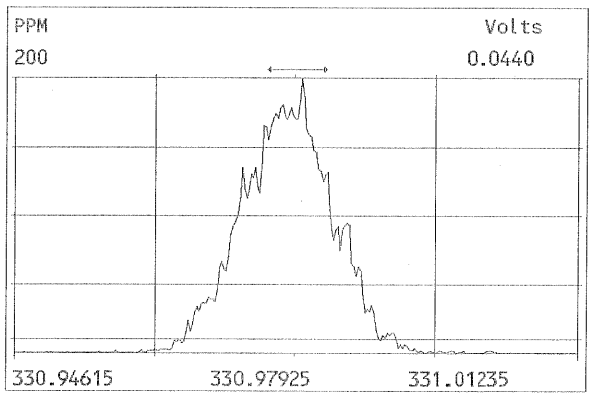


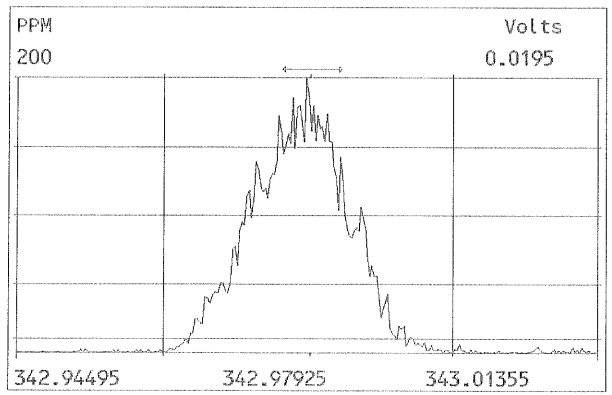






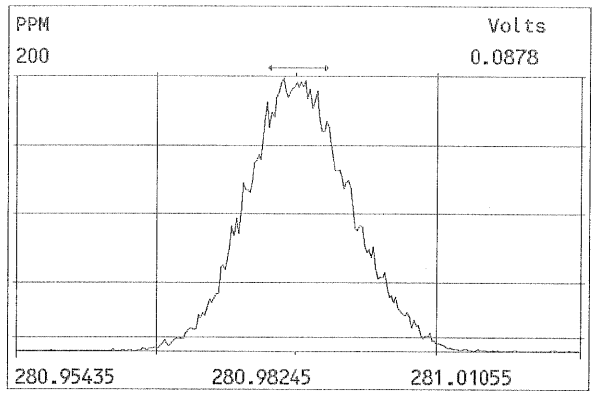


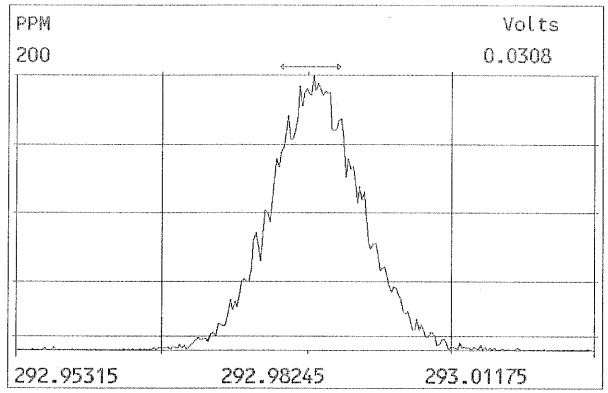


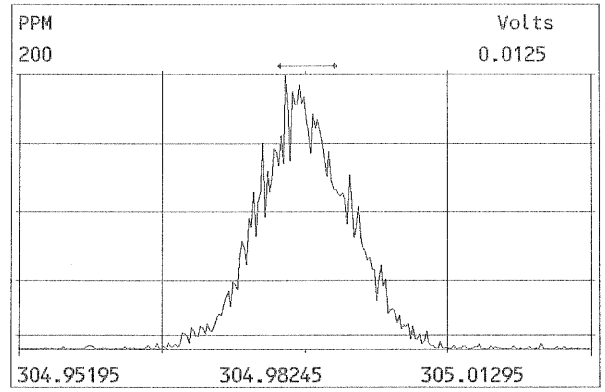


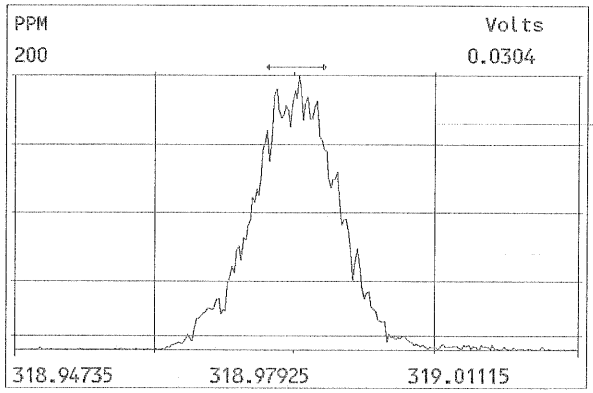
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

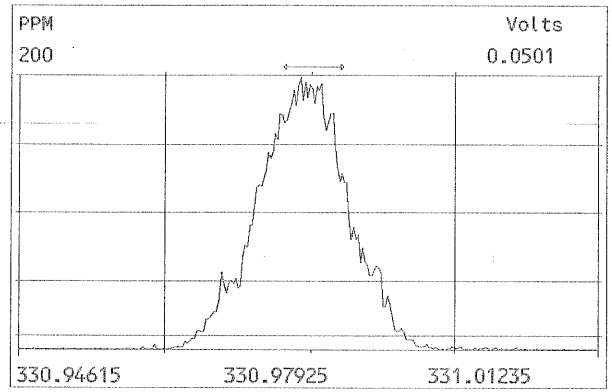
Experiment:1668PCB Function:4 Reference:PFK98

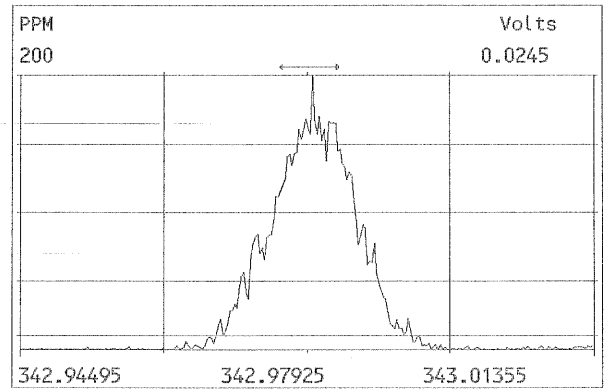


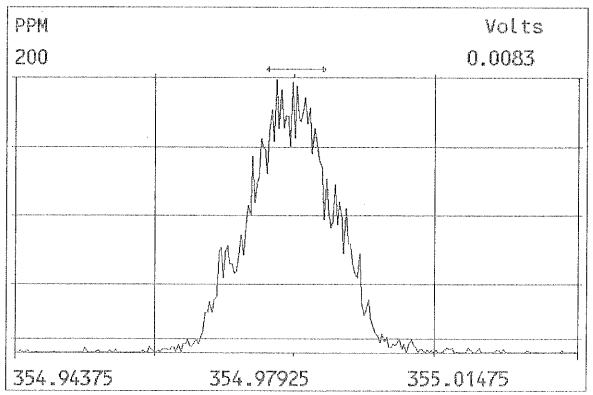


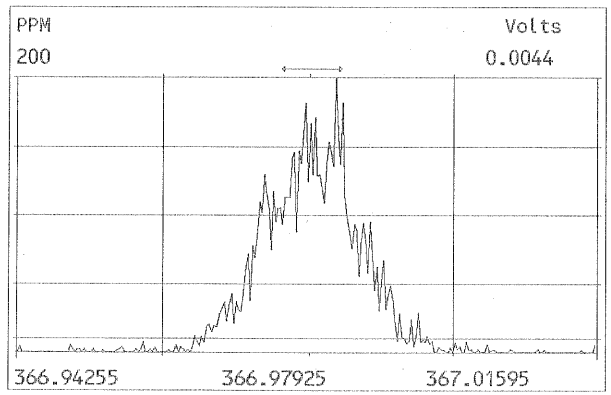


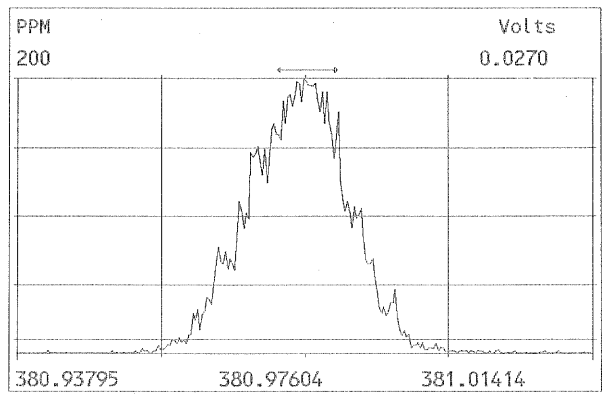




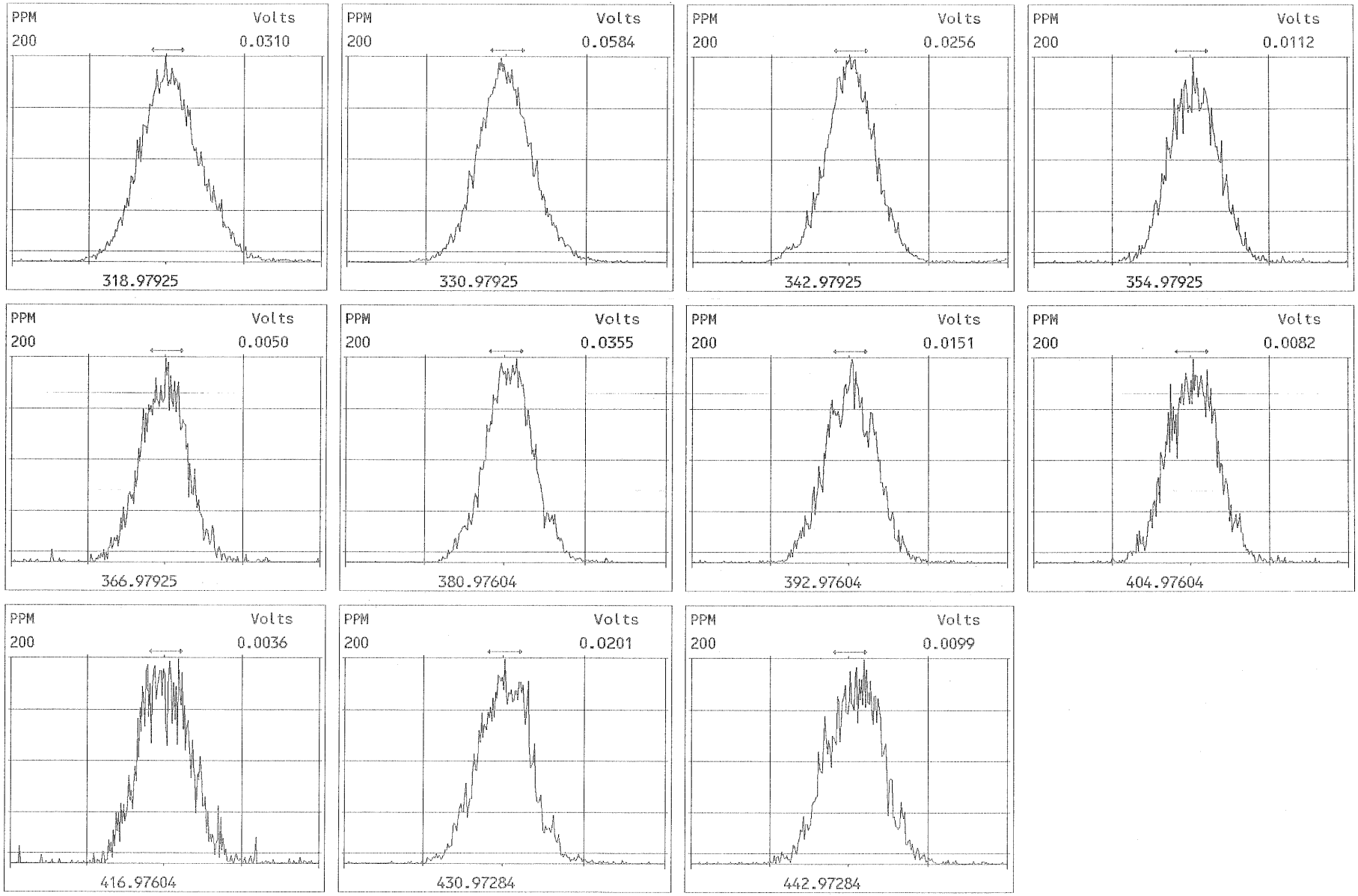




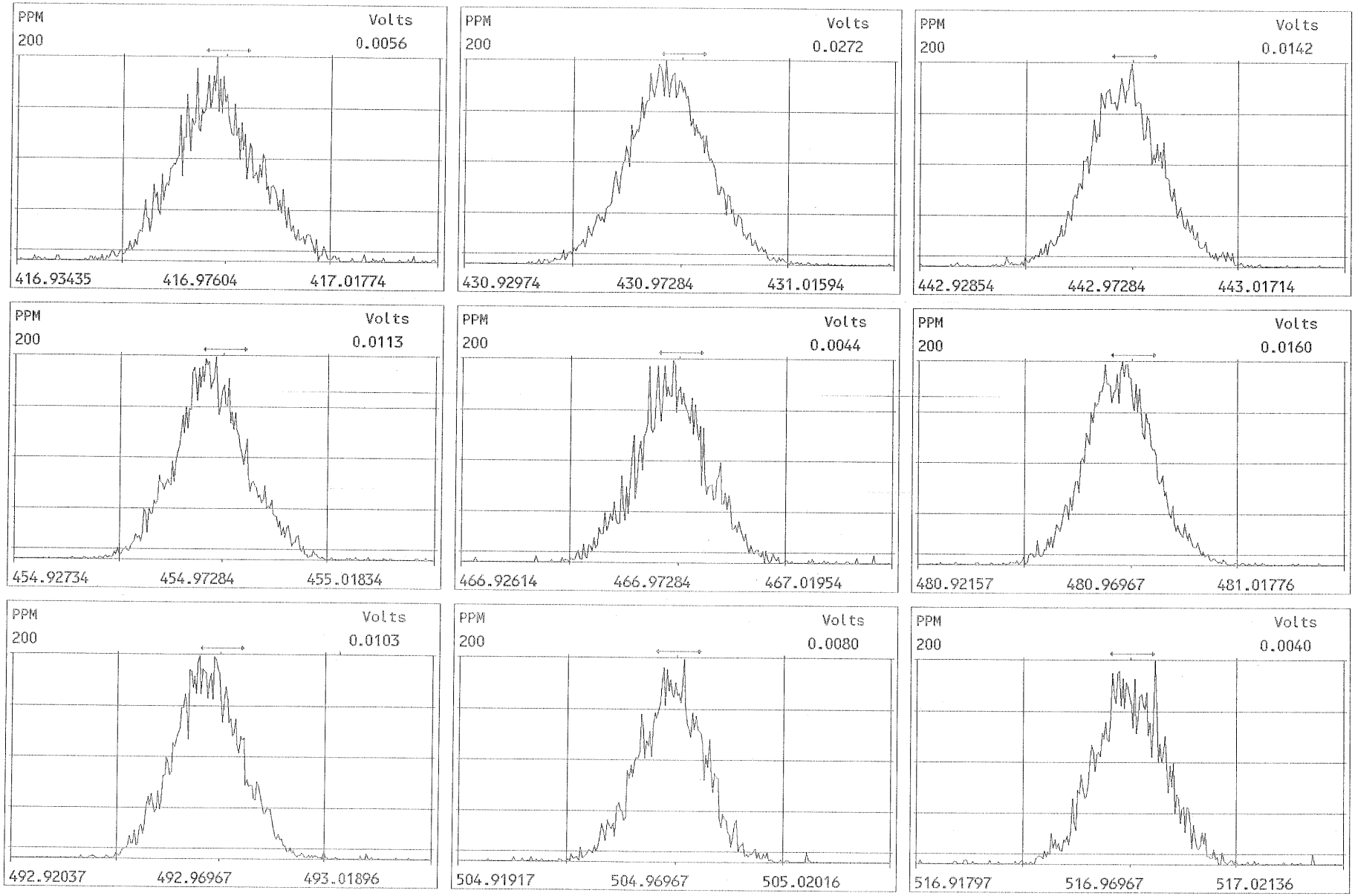




Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78



Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98



Cal: DAILY209FAL4-10-16-20

Run: 16OCT20Z Analyte: Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:16OCT20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.4815	-	1.48	
13C-PCB-1	0.6986	-	0.70	
PCB-2	1.4786	-	1.48	
PCB-3	1.4692	-	1.47	
13C-PCB-3	0.6803	-	0.68	
PCB-4	1.0219	-	1.02	
PCB-10	1.5378	-	1.54	
13C-PCB-4	0.6676	-	0.67	
PCB-9	1.3982	-	1.40	
PCB-7	1.4659	-	1.47	
PCB-6	1.3893	-	1.39	
PCB-8	1.3975	-	1.40	
PCB-5	1.4352	-	1.44	
PCB-14	1.3912	-	1.39	
PCB-11	1.3009	-	1.30	
PCB-13	1.3535	-	1.35	
PCB-12	1.3147	-	1.31	
PCB-15	1.2302	-	1.23	
13C-PCB-15	0.9923	-	0.99	
PCB-19	1.3735	-	1.37	
PCB-30	1.9977	-	2.00	
PCB-18	1.4199	-	1.42	
PCB-17	1.5189	-	1.52	
PCB-27	1.9681	-	1.97	
PCB-24	1.9723	-	1.97	
PCB-16	1.6961	-	1.70	
PCB-32	1.7699	-	1.77	
13C-PCB-19	0.3706	-	0.37	
13C-PCB-9	-	-	-	
PCB-34	1.1989	-	1.20	
PCB-23	1.1590	-	1.16	
PCB-29	1.2130	-	1.21	
PCB-26	1.1801	-	1.18	
PCB-25	1.1363	-	1.14	
PCB-31	1.1586	-	1.16	
PCB-28	1.4449	-	1.44	
PCB-20	1.1846	-	1.18	Co-elute PCB 21/33
PCB-21	1.1846	-	1.18	Co-elute PCB 20/33
PCB-33	1.1846	-	1.18	Co-elute PCB 20/21
PCB-22	1.2904	-	1.29	
PCB-36	1.2047	-	1.20	
PCB-39	1.2397	-	1.24	
PCB-38	1.2287	-	1.23	
PCB-35	1.1641	-	1.16	
PCB-37	1.2111	-	1.21	
13C-PCB-37	1.8313	-	1.83	

PCB-54	1.4071	-	1.41	
PCB-50	1.1217	-	1.12	
PCB-53	1.1055	-	1.11	
PCB-51	1.1548	-	1.15	
PCB-45	0.9722	-	0.97	
PCB-46	0.9391	-	0.94	
PCB-52	1.1539	-	1.15	Co-elute PCB 69
PCB-69	1.1539	-	1.15	Co-elute PCB 52
PCB-73	1.5178	-	1.52	
PCB-43	1.0638	-	1.06	Co-elute PCB 49
PCB-49	1.0638	-	1.06	Co-elute PCB 43
PCB-47	1.1350	-	1.13	
PCB-48	1.3562	-	1.36	Co-elute PCB 75
PCB-75	1.3562	-	1.36	Co-elute PCB 48
PCB-65	1.4497	-	1.45	
PCB-62	1.2830	-	1.28	
PCB-44	0.9241	-	0.92	
PCB-42	1.1952	-	1.20	Co-elute PCB 59
PCB-59	1.1952	-	1.20	Co-elute PCB 42
PCB-72	1.3575	-	1.36	Co-elute PCB 41/71/64
PCB-41	1.3575	-	1.36	Co-elute PCB 72/71/64
PCB-71	1.3575	-	1.36	Co-elute PCB 72/41/64
PCB-64	1.3575	-	1.36	Co-elute PCB 72/41/71
PCB-68	1.5545	-	1.55	
PCB-40	0.8689	-	0.87	
PCB-57	1.4604	-	1.46	
PCB-67	1.4648	-	1.46	
PCB-58	1.4536	-	1.45	
PCB-63	1.4905	-	1.49	
PCB-74	1.4806	-	1.48	
PCB-61	1.3359	-	1.34	Co-elute PCB 70
PCB-70	1.3359	-	1.34	Co-elute PCB 61
PCB-76	1.5344	-	1.53	Co-elute PCB 66
PCB-66	1.5344	-	1.53	Co-elute PCB 76
PCB-80	1.7415	-	1.74	
PCB-55	1.5160	-	1.52	
13C-PCB-54	1.1269	-	1.13	
PCB-104	1.2594	-	1.26	
PCB-96	1.2320	-	1.23	
PCB-103	1.0491	-	1.05	
PCB-100	1.0534	-	1.05	
PCB-94	0.8876	-	0.89	
PCB-98	0.8978	-	0.90	Co-elute PCB 102
PCB-102	0.8978	-	0.90	Co-elute PCB 98
PCB-95	0.9483	-	0.95	
PCB-93	0.9439	-	0.94	
PCB-88	0.9803	-	0.98	Co-elute PCB 91
PCB-91	0.9803	-	0.98	Co-elute PCB 88
PCB-121	1.2500	-	1.25	
13C-PCB-104	0.7373	-	0.74	
13C-PCB-28	2.1691	-	2.17	
13C-PCB-52	-	-	-	

PCB-56	1.2218	-	1.22	Co-elute PCB 60
PCB-60	1.2218	-	1.22	Co-elute PCB 56
PCB-79	1.2904	-	1.29	
PCB-78	1.2650	-	1.26	
PCB-81	1.3384	-	1.34	
13C-PCB-81	1.7650	-	1.76	
PCB-77	1.1786	-	1.18	
13C-PCB-77	1.8377	-	1.84	
PCB-155	1.1619	-	1.16	
PCB-150	1.1259	-	1.13	
PCB-152	1.1121	-	1.11	
PCB-145	1.1223	-	1.12	
PCB-136	1.0709	-	1.07	
PCB-148	0.8696	-	0.87	
PCB-154	0.9442	-	0.94	
13C-PCB-155	0.9812	-	0.98	
13C-PCB-111	1.2560	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.6461	-	0.65	Co-elute PCB 92
PCB-92	0.6461	-	0.65	Co-elute PCB 84
PCB-89	0.6439	-	0.64	
PCB-90	0.7130	-	0.71	Co-elute PCB 101
PCB-101	0.7130	-	0.71	Co-elute PCB 90
PCB-113	0.7975	-	0.80	
PCB-99	0.8155	-	0.82	
PCB-119	0.9315	-	0.93	
PCB-83	0.7324	-	0.73	Co-elute PCB 112
PCB-112	0.7324	-	0.73	Co-elute PCB 83
PCB-109	0.8749	-	0.87	
PCB-97	0.6320	-	0.63	
PCB-86	0.6136	-	0.61	
PCB-125	0.8450	-	0.84	Co-elute PCB 87/117
PCB-87	0.8450	-	0.84	Co-elute PCB 125/117
PCB-117	0.8450	-	0.84	Co-elute PCB 125/87
PCB-111	0.9166	-	0.92	Co-elute PCB 115
PCB-115	0.9166	-	0.92	Co-elute PCB 111
PCB-85	0.7823	-	0.78	Co-elute PCB 116
PCB-116	0.7823	-	0.78	Co-elute PCB 85
PCB-120	0.9773	-	0.98	
PCB-110	0.9094	-	0.91	
PCB-82	0.5672	-	0.57	
PCB-124	1.1697	-	1.17	
PCB-108	1.1705	-	1.17	Co-elute PCB 107
PCB-107	1.1705	-	1.17	Co-elute PCB 108
PCB-123	1.1264	-	1.13	
13C-PCB-123	1.4176	-	1.42	
PCB-118	1.1511	-	1.15	Co-elute PCB 106
PCB-106	1.1511	-	1.15	Co-elute PCB 118
13C-PCB-118	1.5677	-	1.57	
PCB-114	1.2005	-	1.20	
13C-PCB-114	1.5484	-	1.55	
PCB-122	1.2054	-	1.21	
PCB-105	1.2105	-	1.21	
13C-PCB-105	1.5160	-	1.52	
PCB-127	1.1281	-	1.13	
PCB-126	1.1724	-	1.17	
13C-PCB-126	1.4056	-	1.41	

PCB-151	1.0436	-	1.04	
PCB-135	1.0280	-	1.03	
PCB-144	1.0769	-	1.08	
PCB-147	1.1003	-	1.10	
PCB-139	1.1115	-	1.11	Co-elute PCB 149
PCB-149	1.1115	-	1.11	Co-elute PCB 139
PCB-140	1.1206	-	1.12	
PCB-143	0.9466	-	0.95	Co-elute PCB 134
PCB-134	0.9466	-	0.95	Co-elute PCB 143
PCB-131	0.9510	-	0.95	Co-elute PCB 133
PCB-133	0.9510	-	0.95	Co-elute PCB 131
PCB-142	0.9633	-	0.96	
PCB-165	1.2434	-	1.24	Co-elute PCB 146
PCB-146	1.2434	-	1.24	Co-elute PCB 165
PCB-161	1.1657	-	1.17	Co-elute PCB 132
PCB-132	1.1657	-	1.17	Co-elute PCB 161
PCB-153	1.2510	-	1.25	
PCB-168	1.3775	-	1.38	
PCB-141	1.0613	-	1.06	
PCB-137	1.0529	-	1.05	
PCB-130	0.9394	-	0.94	
PCB-138	1.2409	-	1.24	Co-elute PCB 163/164
PCB-163	1.2409	-	1.24	Co-elute PCB 138/164
PCB-164	1.2409	-	1.24	Co-elute PCB 138/163
PCB-158	1.3774	-	1.38	Co-elute PCB 160
PCB-160	1.3774	-	1.38	Co-elute PCB 158
PCB-129	0.9029	-	0.90	
PCB-166	1.3411	-	1.34	
PCB-159	1.3873	-	1.39	
PCB-128	1.1649	-	1.16	Co-elute PCB 162
PCB-162	1.1649	-	1.16	Co-elute PCB 128
PCB-167	1.2562	-	1.26	
13C-PCB-167	1.1339	-	1.13	
PCB-156	1.3169	-	1.32	
13C-PCB-156	1.0796	-	1.08	
PCB-157	1.2687	-	1.27	
13C-PCB-157	1.0985	-	1.10	
PCB-169	1.2284	-	1.23	
13C-PCB-169	1.0383	-	1.04	
PCB-188	1.2033	-	1.20	
13C-PCB-188	0.8991	-	0.90	

PCB-184	1.3475	-	1.35	
PCB-179	1.3223	-	1.32	
PCB-176	1.2655	-	1.27	
PCB-186	1.2566	-	1.26	
PCB-178	0.9133	-	0.91	
PCB-175	0.9547	-	0.95	
PCB-187	1.0194	-	1.02	Co-elute PCB 182
PCB-182	1.0194	-	1.02	Co-elute PCB 187
PCB-183	1.0187	-	1.02	
PCB-185	0.9394	-	0.94	
PCB-174	0.9978	-	1.00	
PCB-181	0.8836	-	0.88	
PCB-177	0.8639	-	0.86	
PCB-171	0.9259	-	0.93	
PCB-173	0.8282	-	0.83	
PCB-172	0.8498	-	0.85	
PCB-192	1.1215	-	1.12	
PCB-180	0.8816	-	0.88	
PCB-193	1.2076	-	1.21	
PCB-191	1.1563	-	1.16	
PCB-170	0.8801	-	0.88	
PCB-190	1.1363	-	1.14	
PCB-189	1.1994	-	1.20	
13C-PCB-189	0.7363	-	0.74	
PCB-202	1.1237	-	1.12	
PCB-201	1.2780	-	1.28	
PCB-204	1.2400	-	1.24	
PCB-197	1.2899	-	1.29	
PCB-200	1.2791	-	1.28	
PCB-198	0.9631	-	0.96	
PCB-199	0.9272	-	0.93	
PCB-203	0.9836	-	0.98	Co-elute PCB 196
PCB-196	0.9836	-	0.98	Co-elute PCB 203
13C-PCB-202	0.5534	-	0.55	
13C-PCB-178	0.6609	-	0.66	
13C-PCB-138	-	-	-	
PCB-195	0.9063	-	0.91	
PCB-194	0.9304	-	0.93	
PCB-205	1.1404	-	1.14	
13C-PCB-205	1.2379	-	1.24	
PCB-208	1.1325	-	1.13	
13C-PCB-208	1.0803	-	1.08	
PCB-207	1.3056	-	1.31	
PCB-206	1.1718	-	1.17	
13C-PCB-206	0.7747	-	0.77	
PCB-209	1.2663	-	1.27	
13C-PCB-209	0.7343	-	0.73	
13C-PCB-194	-	-	-	

Analyst: _____ Date: 10/16/22

Run #1 Filename 16OCT20Z S: 1 Acquired: 16-OCT-20 07:48:25 Cal: DAILY209FAL4-10-16-20
Client ID: ST101620Z1 Analyte: FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.15e+07	3.23 y	14:28	-	1.48	
2	IS/RT	13C-PCB-1	100.00	4.26e+07	3.24 y	14:27	-	0.699	
3	Unk	PCB-2	50.00	3.10e+07	3.26 y	16:40	-	1.48	
4	Unk	PCB-3	50.00	3.04e+07	3.24 y	16:53	-	1.47	
5	IS/RT	13C-PCB-3	100.00	4.14e+07	3.29 y	16:52	-	0.680	
6	Unk	PCB-4	50.00	2.08e+07	1.48 y	18:08	-	1.02	
7	Unk	PCB-10	50.00	3.89e+07	1.60 y	18:11	-	1.54	
8	IS/RT	13C-PCB-4	100.00	4.07e+07	1.61 y	18:06	-	0.668	
9	Unk	PCB-9	50.00	3.53e+07	1.48 y	19:49	-	1.40	
10	Unk	PCB-7	50.00	3.71e+07	1.59 y	19:50	-	1.47	
11	Unk	PCB-6	50.00	3.51e+07	1.54 y	20:25	-	1.39	
12	Unk	PCB-8	50.00	3.53e+07	1.55 y	20:48	-	1.40	
13	Unk	PCB-5	50.00	3.63e+07	1.52 y	20:50	-	1.44	
14	Unk	PCB-14	50.00	3.52e+07	1.53 y	21:51	-	1.39	
15	Unk	PCB-11	50.00	3.29e+07	1.52 y	22:59	-	1.30	
16	Unk	PCB-13	50.00	3.42e+07	1.53 y	23:19	-	1.35	
17	Unk	PCB-12	50.00	3.32e+07	1.49 y	23:22	-	1.31	
18	Unk	PCB-15	50.00	3.72e+07	1.52 y	23:39	-	1.23	
19	IS/RT	13C-PCB-15	100.00	6.04e+07	1.62 y	23:38	-	0.992	
20	Unk	PCB-19	50.00	1.55e+07	1.09 y	22:01	-	1.37	
21	Unk	PCB-30	50.00	2.25e+07	1.10 y	22:51	-	2.00	
22	Unk	PCB-18	50.00	1.60e+07	1.10 y	23:33	-	1.42	
23	Unk	PCB-17	50.00	1.71e+07	1.10 y	23:44	-	1.52	
24	Unk	PCB-27	50.00	2.22e+07	1.09 y	24:16	-	1.97	
25	Unk	PCB-24	50.00	2.23e+07	1.10 y	24:17	-	1.97	
26	Unk	PCB-16	50.00	1.91e+07	1.08 y	24:45	-	1.70	
27	Unk	PCB-32	50.00	2.00e+07	1.09 y	24:46	-	1.77	
28	IS/RT	13C-PCB-19	100.00	2.26e+07	1.08 y	21:59	-	0.371	
29	RS	13C-PCB-9	100.00	6.09e+07	1.64 y	19:46	6.09e+05	-	
30	Unk	PCB-34	50.00	3.24e+07	1.01 y	25:31	-	1.20	
31	Unk	PCB-23	50.00	3.13e+07	1.03 y	25:36	-	1.16	
32	Unk	PCB-29	50.00	3.28e+07	1.02 y	25:50	-	1.21	
33	Unk	PCB-26	50.00	3.19e+07	1.02 y	26:03	-	1.18	
34	Unk	PCB-25	50.00	3.07e+07	1.00 y	26:12	-	1.14	
35	Unk	PCB-31	50.00	3.13e+07	1.01 y	26:32	-	1.16	
36	Unk	PCB-28	50.00	3.90e+07	1.02 y	26:38	-	1.44	
37	Unk	PCB-20	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.60e+07	1.03 y	27:12	-	1.18	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.49e+07	1.04 y	27:38	-	1.29	
41	Unk	PCB-36	50.00	3.26e+07	1.03 y	28:13	-	1.20	
42	Unk	PCB-39	50.00	3.35e+07	1.03 y	28:40	-	1.24	
43	Unk	PCB-38	50.00	3.32e+07	1.04 y	29:24	-	1.23	
44	Unk	PCB-35	50.00	3.15e+07	1.03 y	29:54	-	1.16	
45	Unk	PCB-37	50.00	3.27e+07	1.03 y	30:18	-	1.21	
46	IS	13C-PCB-37	100.00	5.41e+07	1.06 y	30:17	-	1.83	

47	Unk	PCB-54	100.00	4.68e+07	0.80 y	25:34		-	1.41	
48	Unk	PCB-50	100.00	3.73e+07	0.80 y	26:40		-	1.12	
49	Unk	PCB-53	100.00	3.68e+07	0.79 y	27:16		-	1.11	
50	Unk	PCB-51	100.00	3.84e+07	0.80 y	27:37		-	1.15	
51	Unk	PCB-45	100.00	3.23e+07	0.79 y	28:01		-	0.972	
52	Unk	PCB-46	100.00	3.12e+07	0.79 y	28:28		-	0.939	
53	Unk	PCB-52	200.00	7.68e+07	0.78 y	28:56		-	1.15	Co-elute PCB 69
54	Unk	PCB-69	200.00	7.68e+07	0.78 y	28:56		-	1.15	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.05e+07	0.80 y	29:02		-	1.52	
56	Unk	PCB-43	200.00	7.08e+07	0.80 y	29:11		-	1.06	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.08e+07	0.80 y	29:11		-	1.06	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.77e+07	0.79 y	29:24		-	1.13	
59	Unk	PCB-48	200.00	9.02e+07	0.80 y	29:30		-	1.36	Co-elute PCB 75
60	Unk	PCB-75	200.00	9.02e+07	0.80 y	29:30		-	1.36	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.82e+07	0.80 y	29:45		-	1.45	
62	Unk	PCB-62	100.00	4.27e+07	0.79 y	29:52		-	1.28	
63	Unk	PCB-44	100.00	3.07e+07	0.80 y	30:09		-	0.924	
64	Unk	PCB-42	200.00	7.95e+07	0.80 y	30:22		-	1.20	Co-elute PCB 59
65	Unk	PCB-59	200.00	7.95e+07	0.80 y	30:22		-	1.20	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.81e+08	0.80 y	30:55		-	1.36	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	5.17e+07	0.80 y	31:10		-	1.55	
71	Unk	PCB-40	100.00	2.89e+07	0.80 y	31:23		-	0.869	
72	Unk	PCB-57	100.00	4.86e+07	0.80 y	31:43		-	1.46	
73	Unk	PCB-67	100.00	4.87e+07	0.79 y	32:01		-	1.46	
74	Unk	PCB-58	100.00	4.83e+07	0.80 y	32:07		-	1.45	
75	Unk	PCB-63	100.00	4.96e+07	0.80 y	32:16		-	1.49	
76	Unk	PCB-74	100.00	4.92e+07	0.80 y	32:32		-	1.48	
77	Unk	PCB-61	200.00	8.89e+07	0.78 y	32:40		-	1.34	Co-elute PCB 70
78	Unk	PCB-70	200.00	8.89e+07	0.78 y	32:40		-	1.34	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.02e+08	0.79 y	32:56		-	1.53	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.02e+08	0.79 y	32:56		-	1.53	Co-elute PCB 76
81	Unk	PCB-80	100.00	5.79e+07	0.80 y	33:08		-	1.74	
82	Unk	PCB-55	100.00	5.04e+07	0.80 y	33:27		-	1.52	
83	IS/RT	13C-PCB-54	100.00	3.33e+07	0.81 y	25:33		-	1.13	
84	Unk	PCB-104	100.00	2.74e+07	1.56 y	30:01		-	1.26	
85	Unk	PCB-96	100.00	2.68e+07	1.56 y	31:13		-	1.23	
86	Unk	PCB-103	100.00	2.28e+07	1.56 y	31:43		-	1.05	
87	Unk	PCB-100	100.00	2.29e+07	1.59 y	32:03		-	1.05	
88	Unk	PCB-94	100.00	1.93e+07	1.60 y	32:30		-	0.888	
89	Unk	PCB-98	200.00	3.91e+07	1.56 y	32:56		-	0.898	Co-elute PCB 102
90	Unk	PCB-102	200.00	3.91e+07	1.56 y	32:56		-	0.898	Co-elute PCB 98
91	Unk	PCB-95	100.00	2.06e+07	1.56 y	33:00		-	0.948	
92	Unk	PCB-93	100.00	2.05e+07	1.66 y	33:05		-	0.944	
93	Unk	PCB-88	200.00	4.27e+07	1.60 y	33:24		-	0.980	Co-elute PCB 91
94	Unk	PCB-91	200.00	4.27e+07	1.60 y	33:24		-	0.980	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.72e+07	1.58 y	33:28		-	1.25	
96	IS	13C-PCB-104	100.00	2.18e+07	1.61 y	29:59		-	0.737	
97	C/Up	13C-PCB-28	100.00	6.40e+07	1.08 y	26:37		-	2.17	
98	RS	13C-PCB-52	100.00	2.95e+07	0.80 y	28:54	2.95e+05	-		
99	Unk	PCB-56	200.00	1.18e+08	0.78 y	33:56		-	1.22	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.18e+08	0.78 y	33:56		-	1.22	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.21e+07	0.80 y	34:55	-	1.29		
102	Unk	PCB-78	100.00	6.09e+07	0.80 y	35:35	-	1.26		
103	Unk	PCB-81	100.00	6.31e+07	0.80 y	36:06	-	1.34		
104	IS	13C-PCB-81	100.00	4.71e+07	0.80 y	36:04	-	1.76		
105	Unk	PCB-77	100.00	5.78e+07	0.80 y	36:40	-	1.18		
106	IS/RT	13C-PCB-77	100.00	4.91e+07	0.82 y	36:37	-	1.84		
107	Unk	PCB-155	100.00	3.04e+07	1.26 y	34:11	-	1.16		
108	Unk	PCB-150	100.00	2.95e+07	1.27 y	35:23	-	1.13		
109	Unk	PCB-152	100.00	2.91e+07	1.27 y	35:49	-	1.11		
110	Unk	PCB-145	100.00	2.94e+07	1.27 y	36:15	-	1.12		
111	Unk	PCB-136	100.00	2.81e+07	1.26 y	36:34	-	1.07		
112	Unk	PCB-148	100.00	2.28e+07	1.24 y	36:39	-	0.870		
113	Unk	PCB-154	100.00	2.47e+07	1.24 y	37:06	-	0.944		
114	IS	13C-PCB-155	100.00	2.62e+07	1.29 y	34:09	-	0.981		
115	C/Up	13C-PCB-111	100.00	3.35e+07	1.63 y	36:15	-	1.26		
116	RS	13C-PCB-101	100.00	2.67e+07	1.63 y	34:36	2.67e+05	-		
117	Unk	PCB-84	200.00	5.89e+07	1.63 y	34:16	-	0.646	Co-elute PCB 92	
118	Unk	PCB-92	200.00	5.89e+07	1.63 y	34:16	-	0.646	Co-elute PCB 84	
119	Unk	PCB-89	100.00	2.94e+07	1.59 y	34:26	-	0.644		
120	Unk	PCB-90	200.00	6.50e+07	1.59 y	34:36	-	0.713	Co-elute PCB 101	
121	Unk	PCB-101	200.00	6.50e+07	1.59 y	34:36	-	0.713	Co-elute PCB 90	
122	Unk	PCB-113	100.00	3.64e+07	1.58 y	34:50	-	0.797		
123	Unk	PCB-99	100.00	3.72e+07	1.61 y	34:56	-	0.816		
124	Unk	PCB-119	100.00	4.25e+07	1.64 y	35:21	-	0.931		
125	Unk	PCB-83	200.00	6.68e+07	1.57 y	35:30	-	0.732	Co-elute PCB 112	
126	Unk	PCB-112	200.00	6.68e+07	1.57 y	35:30	-	0.732	Co-elute PCB 83	
127	Unk	PCB-109	100.00	3.99e+07	1.58 y	35:40	-	0.875		
128	Unk	PCB-97	100.00	2.88e+07	1.60 y	35:52	-	0.632		
129	Unk	PCB-86	100.00	2.80e+07	1.53 y	35:59	-	0.614		
130	Unk	PCB-125	300.00	1.16e+08	1.61 y	36:07	-	0.845	Co-elute PCB 87/117	
131	Unk	PCB-87	300.00	1.16e+08	1.61 y	36:07	-	0.845	Co-elute PCB 125/117	
132	Unk	PCB-117	300.00	1.16e+08	1.61 y	36:07	-	0.845	Co-elute PCB 125/87	
133	Unk	PCB-111	200.00	8.36e+07	1.61 y	36:16	-	0.917	Co-elute PCB 115	
134	Unk	PCB-115	200.00	8.36e+07	1.61 y	36:16	-	0.917	Co-elute PCB 111	
135	Unk	PCB-85	200.00	7.13e+07	1.60 y	36:23	-	0.782	Co-elute PCB 116	
136	Unk	PCB-116	200.00	7.13e+07	1.60 y	36:23	-	0.782	Co-elute PCB 85	
137	Unk	PCB-120	100.00	4.45e+07	1.64 y	36:36	-	0.977		
138	Unk	PCB-110	100.00	4.15e+07	1.55 y	36:45	-	0.909		
139	Unk	PCB-82	100.00	2.59e+07	1.60 y	37:20	-	0.567		
140	Unk	PCB-124	100.00	5.33e+07	1.52 y	38:00	-	1.17		
141	Unk	PCB-108	200.00	1.07e+08	1.54 y	38:08	-	1.17	Co-elute PCB 107	
142	Unk	PCB-107	200.00	1.07e+08	1.54 y	38:08	-	1.17	Co-elute PCB 108	
143	Unk	PCB-123	100.00	4.81e+07	1.55 y	38:18	-	1.13		
144	IS	13C-PCB-123	100.00	4.27e+07	1.59 y	38:16	-	1.42		
145	Unk	PCB-118	200.00	1.09e+08	1.54 y	38:29	-	1.15	Co-elute PCB 106	
146	Unk	PCB-106	200.00	1.09e+08	1.54 y	38:29	-	1.15	Co-elute PCB 118	
147	IS	13C-PCB-118	100.00	4.73e+07	1.60 y	38:28	-	1.57		
148	Unk	PCB-114	100.00	5.60e+07	1.54 y	39:05	-	1.20		
149	IS	13C-PCB-114	100.00	4.67e+07	1.60 y	39:04	-	1.55		
150	Unk	PCB-122	100.00	5.49e+07	1.57 y	39:12	-	1.21		
151	Unk	PCB-105	100.00	5.53e+07	1.54 y	39:55	-	1.21		
152	IS	13C-PCB-105	100.00	4.57e+07	1.57 y	39:53	-	1.52		
153	Unk	PCB-127	100.00	5.14e+07	1.56 y	40:13	-	1.13		
154	Unk	PCB-126	100.00	4.97e+07	1.55 y	42:01	-	1.17		
155	IS	13C-PCB-126	100.00	4.24e+07	1.61 y	42:00	-	1.41		

156	Unk	PCB-151	100.00	3.42e+07	1.28 y	37:45	-	1.04	
157	Unk	PCB-135	100.00	3.37e+07	1.28 y	37:56	-	1.03	
158	Unk	PCB-144	100.00	3.53e+07	1.29 y	38:03	-	1.08	
159	Unk	PCB-147	100.00	3.61e+07	1.29 y	38:11	-	1.10	
160	Unk	PCB-139	200.00	7.29e+07	1.27 y	38:26	-	1.11	Co-elute PCB 149
161	Unk	PCB-149	200.00	7.29e+07	1.27 y	38:26	-	1.11	Co-elute PCB 139
162	Unk	PCB-140	100.00	3.67e+07	1.28 y	38:36	-	1.12	
163	Unk	PCB-143	200.00	6.21e+07	1.27 y	39:00	-	0.947	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.21e+07	1.27 y	39:00	-	0.947	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.23e+07	1.27 y	39:17	-	0.951	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.23e+07	1.27 y	39:17	-	0.951	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.16e+07	1.29 y	39:27	-	0.963	
168	Unk	PCB-165	200.00	8.15e+07	1.26 y	39:38	-	1.24	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.15e+07	1.26 y	39:38	-	1.24	Co-elute PCB 165
170	Unk	PCB-161	200.00	7.64e+07	1.29 y	39:51	-	1.17	Co-elute PCB 132
171	Unk	PCB-132	200.00	7.64e+07	1.29 y	39:51	-	1.17	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.10e+07	1.29 y	40:01	-	1.25	
173	Unk	PCB-168	100.00	4.52e+07	1.27 y	40:15	-	1.38	
174	Unk	PCB-141	100.00	3.48e+07	1.27 y	40:44	-	1.06	
175	Unk	PCB-137	100.00	3.45e+07	1.26 y	41:06	-	1.05	
176	Unk	PCB-130	100.00	3.08e+07	1.27 y	41:12	-	0.939	
177	Unk	PCB-138	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.22e+08	1.26 y	41:34	-	1.24	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.03e+07	1.28 y	41:47	-	1.38	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.03e+07	1.28 y	41:47	-	1.38	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.96e+07	1.30 y	42:00	-	0.903	
183	Unk	PCB-166	100.00	4.40e+07	1.29 y	42:28	-	1.34	
184	Unk	PCB-159	100.00	4.55e+07	1.29 y	42:44	-	1.39	
185	Unk	PCB-128	200.00	7.64e+07	1.28 y	43:01	-	1.16	Co-elute PCB 162
186	Unk	PCB-162	200.00	7.64e+07	1.28 y	43:01	-	1.16	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.29e+07	1.29 y	43:24	-	1.26	
188	IS	13C-PCB-167	100.00	3.42e+07	1.29 y	43:22	-	1.13	
189	Unk	PCB-156	100.00	4.29e+07	1.29 y	44:36	-	1.32	
190	IS	13C-PCB-156	100.00	3.25e+07	1.30 y	44:36	-	1.08	
191	Unk	PCB-157	100.00	4.20e+07	1.27 y	44:53	-	1.27	
192	IS	13C-PCB-157	100.00	3.31e+07	1.31 y	44:51	-	1.10	
193	Unk	PCB-169	100.00	3.84e+07	1.30 y	46:43	-	1.23	
194	IS	13C-PCB-169	100.00	3.13e+07	1.28 y	46:43	-	1.04	
195	Unk	PCB-188	100.00	3.26e+07	1.06 y	39:40	-	1.20	
196	IS	13C-PCB-188	100.00	2.71e+07	1.06 y	39:40	-	0.899	

197	Unk	PCB-184	100.00	3.32e+07	1.07 y	40:06		-	1.35	
198	Unk	PCB-179	100.00	3.26e+07	1.07 y	40:51		-	1.32	
199	Unk	PCB-176	100.00	3.12e+07	1.06 y	41:17		-	1.27	
200	Unk	PCB-186	100.00	3.10e+07	1.06 y	41:52		-	1.26	
201	Unk	PCB-178	100.00	2.25e+07	1.05 y	42:20		-	0.913	
202	Unk	PCB-175	100.00	2.35e+07	1.06 y	42:39		-	0.955	
203	Unk	PCB-187	200.00	5.03e+07	1.07 y	42:49		-	1.02	Co-elute PCB 182
204	Unk	PCB-182	200.00	5.03e+07	1.07 y	42:49		-	1.02	Co-elute PCB 187
205	Unk	PCB-183	100.00	2.51e+07	1.08 y	43:06		-	1.02	
206	Unk	PCB-185	100.00	2.32e+07	1.06 y	43:44		-	0.939	
207	Unk	PCB-174	100.00	2.46e+07	1.06 y	44:05		-	0.998	
208	Unk	PCB-181	100.00	2.18e+07	1.08 y	44:12		-	0.884	
209	Unk	PCB-177	100.00	2.13e+07	1.05 y	44:20		-	0.864	
210	Unk	PCB-171	100.00	2.28e+07	1.07 y	44:36		-	0.926	
211	Unk	PCB-173	100.00	2.04e+07	1.07 y	45:01		-	0.828	
212	Unk	PCB-172	100.00	2.09e+07	1.06 y	45:24		-	0.850	
213	Unk	PCB-192	100.00	2.76e+07	1.07 y	45:35		-	1.12	
214	Unk	PCB-180	100.00	2.17e+07	1.06 y	45:45		-	0.882	
215	Unk	PCB-193	100.00	2.98e+07	1.08 y	45:55		-	1.21	
216	Unk	PCB-191	100.00	2.85e+07	1.08 y	46:08		-	1.16	
217	Unk	PCB-170	100.00	2.17e+07	1.05 y	47:03		-	0.880	
218	Unk	PCB-190	100.00	2.80e+07	1.08 y	47:13		-	1.14	
219	Unk	PCB-189	100.00	2.66e+07	1.08 y	48:25		-	1.20	
220	IS	13C-PCB-189	100.00	2.22e+07	1.08 y	48:23		-	0.736	
221	Unk	PCB-202	150.00	2.81e+07	0.94 y	44:48		-	1.12	
222	Unk	PCB-201	150.00	3.20e+07	0.93 y	45:14		-	1.28	
223	Unk	PCB-204	150.00	3.10e+07	0.91 y	45:22		-	1.24	
224	Unk	PCB-197	150.00	3.23e+07	0.91 y	45:39		-	1.29	
225	Unk	PCB-200	150.00	3.20e+07	0.92 y	46:23		-	1.28	
226	Unk	PCB-198	150.00	2.41e+07	0.91 y	47:34		-	0.963	
227	Unk	PCB-199	150.00	2.32e+07	0.92 y	47:41		-	0.927	
228	Unk	PCB-203	300.00	4.92e+07	0.92 y	47:55		-	0.984	Co-elute PCB 196
229	Unk	PCB-196	300.00	4.92e+07	0.92 y	47:55		-	0.984	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.67e+07	0.92 y	44:46		-	0.553	
231	C/Up	13C-PCB-178	100.00	1.99e+07	1.09 y	42:18		-	0.661	
232	RS	13C-PCB-138	100.00	3.01e+07	1.32 y	41:30	3.01e+05		-	
233	Unk	PCB-195	150.00	5.21e+07	0.89 y	49:00		-	0.906	
234	Unk	PCB-194	150.00	5.35e+07	0.91 y	49:49		-	0.930	
235	Unk	PCB-205	150.00	6.56e+07	0.90 y	50:03		-	1.14	
236	IS	13C-PCB-205	100.00	3.83e+07	0.92 y	50:03		-	1.24	
237	Unk	PCB-208	150.00	5.69e+07	1.37 y	49:08		-	1.13	
238	IS	13C-PCB-208	100.00	3.35e+07	0.84 y	49:07		-	1.08	
239	Unk	PCB-207	150.00	5.63e+07	1.39 y	49:26		-	1.31	
240	Unk	PCB-206	150.00	4.22e+07	1.36 y	51:15		-	1.17	
241	IS	13C-PCB-206	100.00	2.40e+07	0.81 y	51:15		-	0.775	
242	Unk	PCB-209	150.00	4.32e+07	1.21 y	52:26		-	1.27	
243	IS	13C-PCB-209	100.00	2.27e+07	1.21 y	52:26		-	0.734	
244	RS	13C-PCB-194	100.00	3.10e+07	0.91 y	49:48	3.10e+05		-	

Analyst: _____ Date: 10/16/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:1 Analysis Date: 16-OCT-20 07:48:25

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	61.2	37.5 - 62.5
PCB-3	M/M+2	3.24	2.66-3.60	y	59.7	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	44.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	56.3	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	56.7	37.5 - 62.5
PCB-37	M/M+2	1.03	0.88-1.20	y	52.9	37.5 - 62.5
PCB-54	M/M+2	0.80	0.65-0.89	y	119	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	107	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	118	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	113	75.0 - 125
PCB-105	M+2/M+4	1.54	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	205	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	102	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	108	75.0 - 125
PCB-155	M+2/M+4	1.26	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.29	1.05-1.43	y	117	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	117	75.0 - 125
PCB-167	M+2/M+4	1.29	1.05-1.43	y	113	75.0 - 125
PCB-169	M+2/M+4	1.30	1.05-1.43	y	114	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	109	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	112	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	164	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	169	112.5 - 187.5
PCB-208	M+4/M+6	1.37	1.13-1.53	y	169	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	169	112.5 - 187.5

Analyst: [illegible] Date: 10/16/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:1 Analysis Date: 16-OCT-20 07:48:25

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.24	2.66-3.60	y	77.7	50.0 - 145
13C-PCB-3	M/M+2	3.29	2.66-3.60	y	73.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	101	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	91.3	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	73.4	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	112	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	89.2	50.0 - 145
13C-PCB-77	M/M+2	0.82	0.65-0.89	y	114	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	112	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	72.2	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	118	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	120	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	116	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	110	50.0 - 145
13C-PCB-126	M+2/M+4	1.61	1.32-1.78	y	114	50.0 - 145
13C-PCB-155	M+2/M+4	1.29	1.05-1.43	y	88.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.30	1.05-1.43	y	90.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	90.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	92.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	88.8	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	79.8	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	76.3	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	57.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.92	0.76-1.02	y	94.0	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	82.7	50.0 - 145
13C-PCB-208	M+2/M+4	0.84	0.65-0.89	y	78.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	66.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.08	0.88-1.20	y	125	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	98.8	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	85.1	75.0 - 125

Analyst: _____ Date: 10/16/20

FAL ID: ST101620Z1 Filename: 16OCT20Z Sam:1 Acquired: 16-OCT-20 07:48:25 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST101620Z1 EndCal: ST101620Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.15e+07	3.23 y	14:28	1.21	61.2		2.50	-	-	*	-
13C-PCB-1	4.26e+07	3.24 y	14:27	0.90	77.7		2.50				77.7
PCB-3	3.04e+07	3.24 y	16:53	1.23	59.7		2.50	-	-	*	-
13C-PCB-3	4.14e+07	3.29 y	16:52	0.93	73.2		2.50				73.2
PCB-4	2.08e+07	1.48 y	18:08	1.14	44.8		2.50	-	-	*	-
13C-PCB-4	4.07e+07	1.61 y	18:06	0.66	101		2.50				101
PCB-15	3.72e+07	1.52 y	23:39	1.09	56.3		2.50	-	-	*	-
13C-PCB-15	6.04e+07	1.62 y	23:38	1.09	91.3		2.50				91.3
PCB-19	1.55e+07	1.09 y	22:01	1.21	56.7		2.50	-	-	*	-
13C-PCB-19	2.26e+07	1.08 y	21:59	0.50	73.4		2.50				73.4
13C-PCB-9	6.09e+07	1.64 y	19:46	-	59.7		2.50				
PCB-37	3.27e+07	1.03 y	30:18	1.14	52.9		2.50	-	-	*	-
13C-PCB-37	5.41e+07	1.06 y	30:17	1.64	112		2.50				112
PCB-54	4.68e+07	0.80 y	25:34	1.18	119		2.50	-	-	*	-
13C-PCB-54	3.33e+07	0.81 y	25:33	1.26	89.2		2.50				89.2
PCB-104	2.74e+07	1.56 y	30:01	1.12	113		2.50	-	-	*	-
13C-PCB-104	2.18e+07	1.61 y	29:59	1.02	72.2		2.50				72.2
13C-PCB-28	6.40e+07	1.08 y	26:37	1.73	125		2.50				125
13C-PCB-52	2.95e+07	0.80 y	28:54	-	55.5		2.50				
PCB-81	6.31e+07	0.80 y	36:06	1.13	118		2.50	-	-	*	-
13C-PCB-81	4.71e+07	0.80 y	36:04	1.57	112		2.50				112
PCB-77	5.78e+07	0.80 y	36:40	1.10	107		2.50	-	-	*	-
13C-PCB-77	4.91e+07	0.82 y	36:37	1.61	114		2.50				114
PCB-155	3.04e+07	1.26 y	34:11	1.13	102		2.50	-	-	*	-
13C-PCB-155	2.62e+07	1.29 y	34:09	1.10	88.9		2.50				88.9
13C-PCB-111	3.35e+07	1.63 y	36:15	1.27	98.8		2.50				98.8
13C-PCB-101	2.67e+07	1.63 y	34:36	-	56.1		2.50				
PCB-123	4.81e+07	1.55 y	38:18	1.11	102		2.50	-	-	*	-
13C-PCB-123	4.27e+07	1.59 y	38:16	1.28	110		2.50				110
PCB-118	1.09e+08	1.54 y	38:29	1.12	205		2.50	-	-	*	-
13C-PCB-118	4.73e+07	1.60 y	38:28	1.35	116		2.50				116
PCB-114	5.60e+07	1.54 y	39:05	1.13	106		2.50	-	-	*	-
13C-PCB-114	4.67e+07	1.60 y	39:04	1.29	120		2.50				120
PCB-105	5.53e+07	1.54 y	39:55	1.10	110		2.50	-	-	*	-
13C-PCB-105	4.57e+07	1.57 y	39:53	1.28	118		2.50				118
PCB-126	4.97e+07	1.55 y	42:01	1.08	108		2.50	-	-	*	-
13C-PCB-126	4.24e+07	1.61 y	41:60	1.23	114		2.50				114
PCB-167	4.29e+07	1.29 y	43:24	1.11	113		2.50	-	-	*	-
13C-PCB-167	3.42e+07	1.29 y	43:22	1.23	92.3		2.50				92.3
PCB-156	4.29e+07	1.29 y	44:36	1.13	117		2.50	-	-	*	-
13C-PCB-156	3.25e+07	1.30 y	44:36	1.19	90.9		2.50				90.9
PCB-157	4.20e+07	1.27 y	44:53	1.08	117		2.50	-	-	*	-
13C-PCB-157	3.31e+07	1.31 y	44:51	1.21	90.5		2.50				90.5
PCB-169	3.84e+07	1.30 y	46:43	1.08	114		2.50	-	-	*	-
13C-PCB-169	3.13e+07	1.28 y	46:43	1.17	88.8		2.50				88.8
PCB-188	3.26e+07	1.06 y	39:40	1.10	109		2.50	-	-	*	-
13C-PCB-188	2.71e+07	1.06 y	39:40	1.13	79.8		2.50				79.8
PCB-189	2.66e+07	1.08 y	48:25	1.07	112		2.50	-	-	*	-
13C-PCB-189	2.22e+07	1.08 y	48:23	0.97	76.3		2.50				76.3
PCB-202	2.81e+07	0.94 y	44:48	1.03	164		2.50	-	-	*	-
13C-PCB-202	1.67e+07	0.92 y	44:46	0.96	57.9		2.50				57.9
13C-PCB-178	1.99e+07	1.09 y	42:18	0.78	85.1		2.50				85.1
13C-PCB-138	3.01e+07	1.32 y	41:30	-	62.7		2.50				

FAL ID: ST101620Z1 Filename: 16OCT20Z Sam:1 Acquired: 16-OCT-20 07:48:25 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST101620Z1 EndCal: ST101620Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	6.56e+07	0.90 y	50:03	1.09	158	2.50	-	-	*	-
13C-PCB-205	3.83e+07	0.92 y	50:03	1.32	94.0	2.50				94.0
PCB-208	5.69e+07	1.37 y	49:08	1.01	169	2.50	-	-	*	-
13C-PCB-208	3.35e+07	0.84 y	49:07	1.38	78.5	2.50				78.5
PCB-206	4.22e+07	1.36 y	51:15	1.04	169	2.50	-	-	*	-
13C-PCB-206	2.40e+07	0.81 y	51:15	0.94	82.7	2.50				82.7
PCB-209	4.32e+07	1.21 y	52:26	1.13	169	2.50	-	-	*	-
13C-PCB-209	2.27e+07	1.21 y	52:26	1.10	66.6	2.50				66.6
13C-PCB-194	3.10e+07	0.91 y	49:48	-	81.3	2.50				

Analyst: _____ Date: 10/16/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/16/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.27	2.66-3.60	y	49.3	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	48.8	37.5 - 62.5
PCB-4	M/M+2	1.51	1.33-1.79	y	58.1	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	50.9	37.5 - 62.5
PCB-19	M/M+2	1.12	0.88-1.20	y	51.9	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	50.4	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	99.2	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	102	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	105	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	103	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	101	75.0 - 125
PCB-114	M+2/M+4	1.59	1.32-1.78	y	99.3	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	203	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	93.0	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	99.4	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	110	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	99.3	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	98.7	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	109	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	107	75.0 - 125
PCB-202	M+2/M+4	1.00	0.76-1.02	y	144	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	145	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	150	112.5 - 187.5

Analyst: [signature] Date: 10/19/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 10/16/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	108	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	104	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	102	50.0 - 145
13C-PCB-15	M/M+2	1.65	1.33-1.79	y	95.6	50.0 - 145
13C-PCB-19	M/M+2	1.19	0.88-1.20	y	89.4	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	88.0	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	110	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	91.4	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	93.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	102	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	98.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	94.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	97.4	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	103	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	98.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	90.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	102	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	103	50.0 - 145
13C-PCB-167	M+2/M+4	1.32	1.05-1.43	y	101	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	109	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	91.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.15	0.89-1.21	y	96.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	91.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	99.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	111	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	110	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	112	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	92.8	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	96.5	75.0 - 125

Analyst: _____ Date: 10/19/20

FAL ID: ST10162022 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: DAILY209FAL4-10-16-20 1 of 2
Client ID: CS209 200406A ConCal: 1668209 EndCal: ST10162022
Results: 13387 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.70e+07	3.27 y	14:31	1.48	49.3		2.50	-	-	*	
13C-PCB-1	3.70e+07	3.27 y	14:30	0.70	108		2.50				108
PCB-3	2.50e+07	3.21 y	16:56	1.47	48.8		2.50	-	-	*	
13C-PCB-3	3.49e+07	3.32 y	16:55	0.68	104		2.50				104
PCB-4	1.98e+07	1.51 y	18:11	1.02	58.1		2.50	-	-	*	
13C-PCB-4	3.34e+07	1.61 y	18:09	0.67	102		2.50				102
PCB-15	2.93e+07	1.53 y	23:41	1.23	50.9		2.50	-	-	*	
13C-PCB-15	4.67e+07	1.65 y	23:39	0.99	95.6		2.50				95.6
PCB-19	1.16e+07	1.12 y	22:03	1.37	51.9		2.50	-	-	*	
13C-PCB-19	1.63e+07	1.19 y	22:01	0.37	89.4		2.50				89.4
13C-PCB-9	4.92e+07	1.65 y	19:49	-	80.8		2.50				
PCB-37	2.20e+07	1.09 y	30:20	1.21	50.4		2.50	-	-	*	
13C-PCB-37	3.61e+07	1.09 y	30:17	1.83	88.0		2.50				88.0
PCB-54	3.89e+07	0.79 y	25:35	1.41	99.2		2.50	-	-	*	
13C-PCB-54	2.78e+07	0.82 y	25:34	1.13	110		2.50				110
PCB-104	2.19e+07	1.55 y	30:01	1.26	103		2.50	-	-	*	
13C-PCB-104	1.68e+07	1.61 y	29:60	0.74	102		2.50				102
13C-PCB-28	4.50e+07	1.09 y	26:37	2.17	92.8		2.50				92.8
13C-PCB-52	2.24e+07	0.78 y	28:54	-	75.8		2.50				
PCB-81	4.88e+07	0.80 y	36:05	1.34	105		2.50	-	-	*	
13C-PCB-81	3.48e+07	0.81 y	36:03	1.76	93.0		2.50				93.0
PCB-77	4.27e+07	0.82 y	36:39	1.18	102		2.50	-	-	*	
13C-PCB-77	3.56e+07	0.80 y	36:38	1.84	91.4		2.50				91.4
PCB-155	2.39e+07	1.29 y	34:10	1.16	110		2.50	-	-	*	
13C-PCB-155	1.87e+07	1.36 y	34:08	0.98	90.1		2.50				90.1
13C-PCB-111	2.72e+07	1.63 y	36:14	1.26	102		2.50				102
13C-PCB-101	2.12e+07	1.65 y	34:35	-	79.3		2.50				
PCB-123	3.74e+07	1.60 y	38:16	1.13	93.0		2.50	-	-	*	
13C-PCB-123	3.57e+07	1.58 y	38:16	1.42	103		2.50				103
PCB-118	8.69e+07	1.61 y	38:29	1.15	203		2.50	-	-	*	
13C-PCB-118	3.73e+07	1.60 y	38:26	1.57	97.4		2.50				97.4
PCB-114	4.25e+07	1.59 y	39:04	1.20	99.3		2.50	-	-	*	
13C-PCB-114	3.56e+07	1.61 y	39:02	1.55	94.2		2.50				94.2
PCB-105	4.43e+07	1.58 y	39:53	1.21	101		2.50	-	-	*	
13C-PCB-105	3.63e+07	1.58 y	39:52	1.52	98.2		2.50				98.2
PCB-126	3.96e+07	1.60 y	42:00	1.17	99.4		2.50	-	-	*	
13C-PCB-126	3.39e+07	1.59 y	41:58	1.41	98.9		2.50				98.9
PCB-167	3.50e+07	1.26 y	43:22	1.26	99.3		2.50	-	-	*	
13C-PCB-167	2.81e+07	1.32 y	43:21	1.13	101		2.50				101
PCB-156	3.60e+07	1.28 y	44:35	1.32	102		2.50	-	-	*	
13C-PCB-156	2.68e+07	1.32 y	44:35	1.08	102		2.50				102
PCB-157	3.54e+07	1.25 y	44:51	1.27	101		2.50	-	-	*	
13C-PCB-157	2.77e+07	1.31 y	44:50	1.10	103		2.50				103
PCB-169	3.35e+07	1.26 y	46:43	1.23	98.7		2.50	-	-	*	
13C-PCB-169	2.76e+07	1.29 y	46:41	1.04	109		2.50				109
PCB-188	2.63e+07	1.07 y	39:40	1.20	109		2.50	-	-	*	
13C-PCB-188	2.01e+07	1.10 y	39:38	0.90	91.4		2.50				91.4
PCB-189	2.21e+07	1.09 y	48:24	1.20	107		2.50	-	-	*	
13C-PCB-189	1.73e+07	1.15 y	48:22	0.74	96.2		2.50				96.2
PCB-202	2.00e+07	1.00 y	44:46	1.12	144		2.50	-	-	*	
13C-PCB-202	1.23e+07	0.93 y	44:45	0.55	91.4		2.50				91.4
13C-PCB-178	1.56e+07	1.09 y	42:16	0.66	96.5		2.50				96.5
13C-PCB-138	2.44e+07	1.30 y	41:30	-	81.0		2.50				

FAL ID: ST10162022 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: DAILY209FAL4-10-16-20 2 of 2
Client ID: CS209 200406A ConCal: 1668209 EndCal: ST10162022
Results: 13387 GC Column: DB1MS Amount: 1.000

PCB-205	5.41e+07	0.93	y	50:03	1.14	150	2.50	-	-	*	
13C-PCB-205	3.15e+07	0.87	y	50:02	1.24	99.2	2.50				99.2
PCB-208	5.18e+07	1.38	y	49:07	1.13	150	2.50	-	-	*	
13C-PCB-208	3.05e+07	0.80	y	49:07	1.08	110	2.50				110
PCB-206	3.74e+07	1.32	y	51:15	1.17	145	2.50	-	-	*	
13C-PCB-206	2.20e+07	0.80	y	51:14	0.77	111	2.50				111
PCB-209	4.01e+07	1.22	y	52:26	1.27	150	2.50	-	-	*	
13C-PCB-209	2.11e+07	1.21	y	52:25	0.73	112	2.50				112
13C-PCB-194	2.56e+07	0.90	y	49:47	-	82.8	2.50				

Analyst: _____ Date: 10/19/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:16OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
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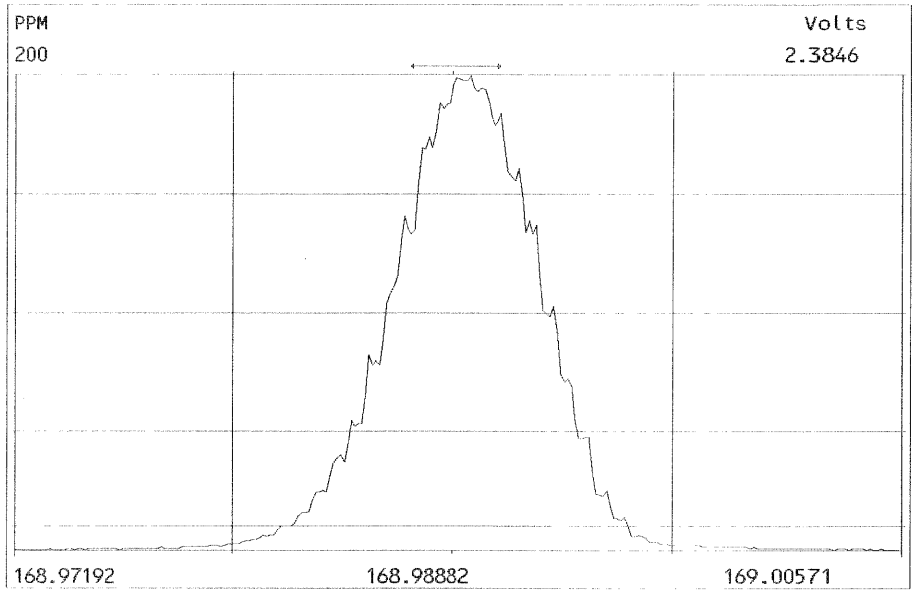
16OCT20Z	3	05478-001-0001-MB	Method Blank	16-OCT-20 09:45:06	ST101620Z1	ST101620Z2	BS
16OCT20Z	4	13387-001-0001-SA	202010070231	16-OCT-20 10:43:27	ST101620Z1	ST101620Z2	BS
16OCT20Z	5	13390-001-0001-SA	EFF-002	16-OCT-20 11:41:48	ST101620Z1	ST101620Z2	BS
16OCT20Z	6	13392-001-0001-SA	Effluent	16-OCT-20 12:40:10	ST101620Z1	ST101620Z2	BS
16OCT20Z	7	05483-001-0001-OPR	OPR	16-OCT-20 13:38:31	ST101620Z1	ST101620Z2	BS
16OCT20Z	8	05483-001-0001-MB	Method Blank	16-OCT-20 14:37:16	ST101620Z1	ST101620Z2	BS
16OCT20Z	9	13372-003-0001-SA	LDW-Y3-SC-ENR+AC-S010-DEP	16-OCT-20 15:35:38	ST101620Z1	ST101620Z2	BS
16OCT20Z	10	13372-004-0001-SA	LDW-Y3-SC-ENR-CA-S010	16-OCT-20 16:33:59	ST101620Z1	ST101620Z2	BS
16OCT20Z	11	13372-005-0001-SA	LDW-Y3-SC-ENR-CA-S010-LONG	16-OCT-20 17:32:20	ST101620Z1	ST101620Z2	BS
16OCT20Z	12	13372-009-0001-SA	LDW-Y3-SC-ENR-CC-S010-LONG	16-OCT-20 18:30:41	ST101620Z1	ST101620Z2	BS
16OCT20Z	13	13372-010-0001-SA	LDW-Y3-SC-ENR-CD-S010	16-OCT-20 19:29:03	ST101620Z1	ST101620Z2	BS
16OCT20Z	14	SB101620Z1	Solvent Blank	16-OCT-20 20:27:23	ST101620Z1	ST101620Z2	BS
16OCT20Z	15	ST101620Z2	CS209 200406A	16-OCT-20 21:25:45	ST101620Z1	ST101620Z2	BS

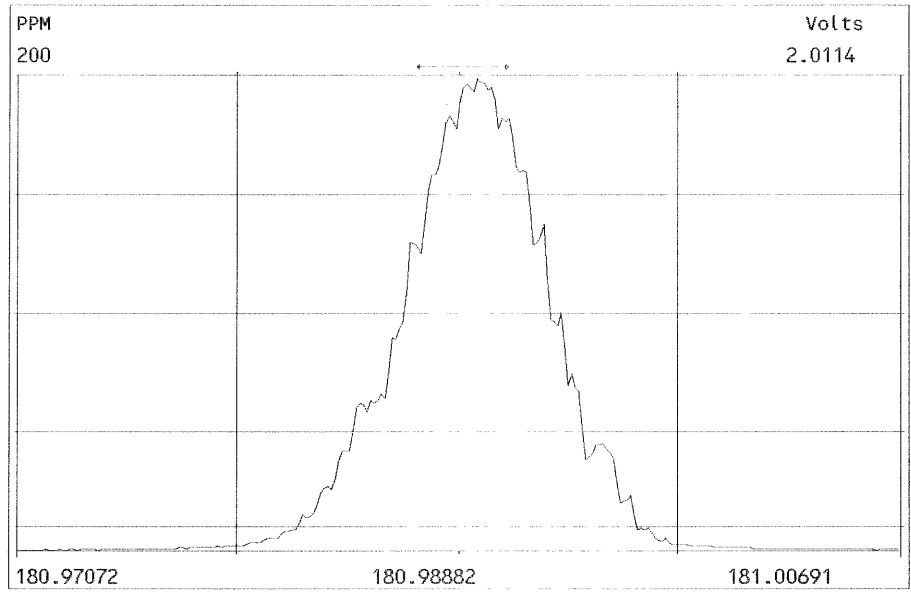
8 10/19/20

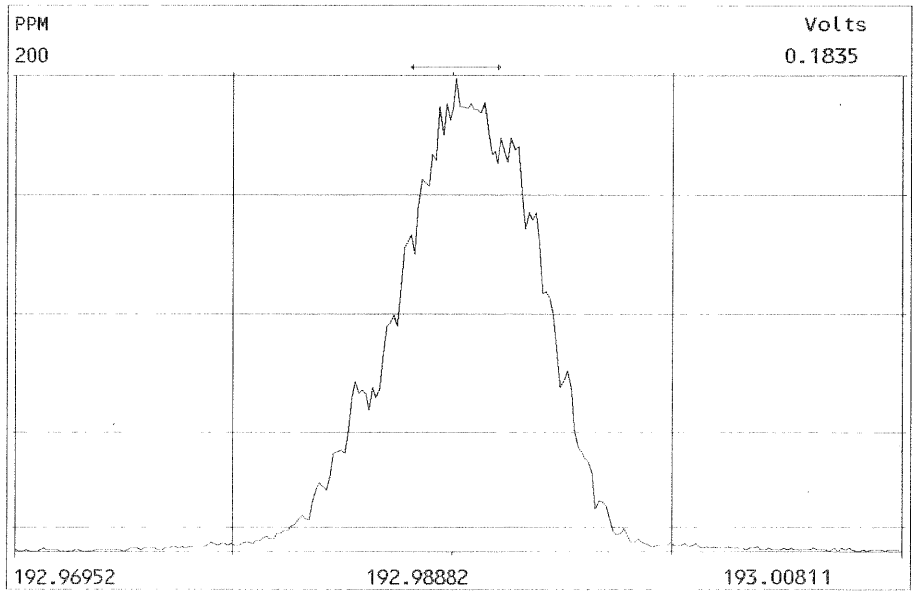
Data Backed Up:_____

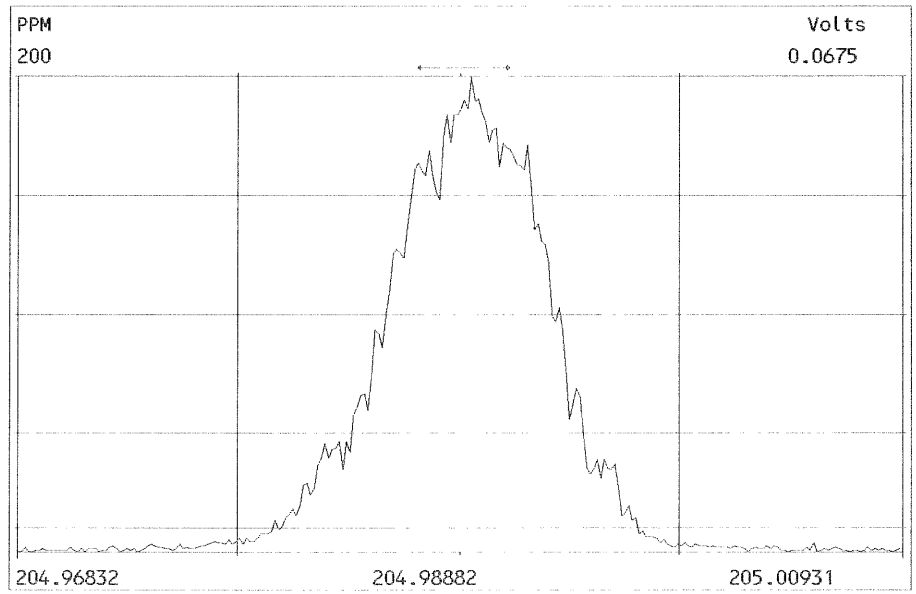
Date:_____

Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

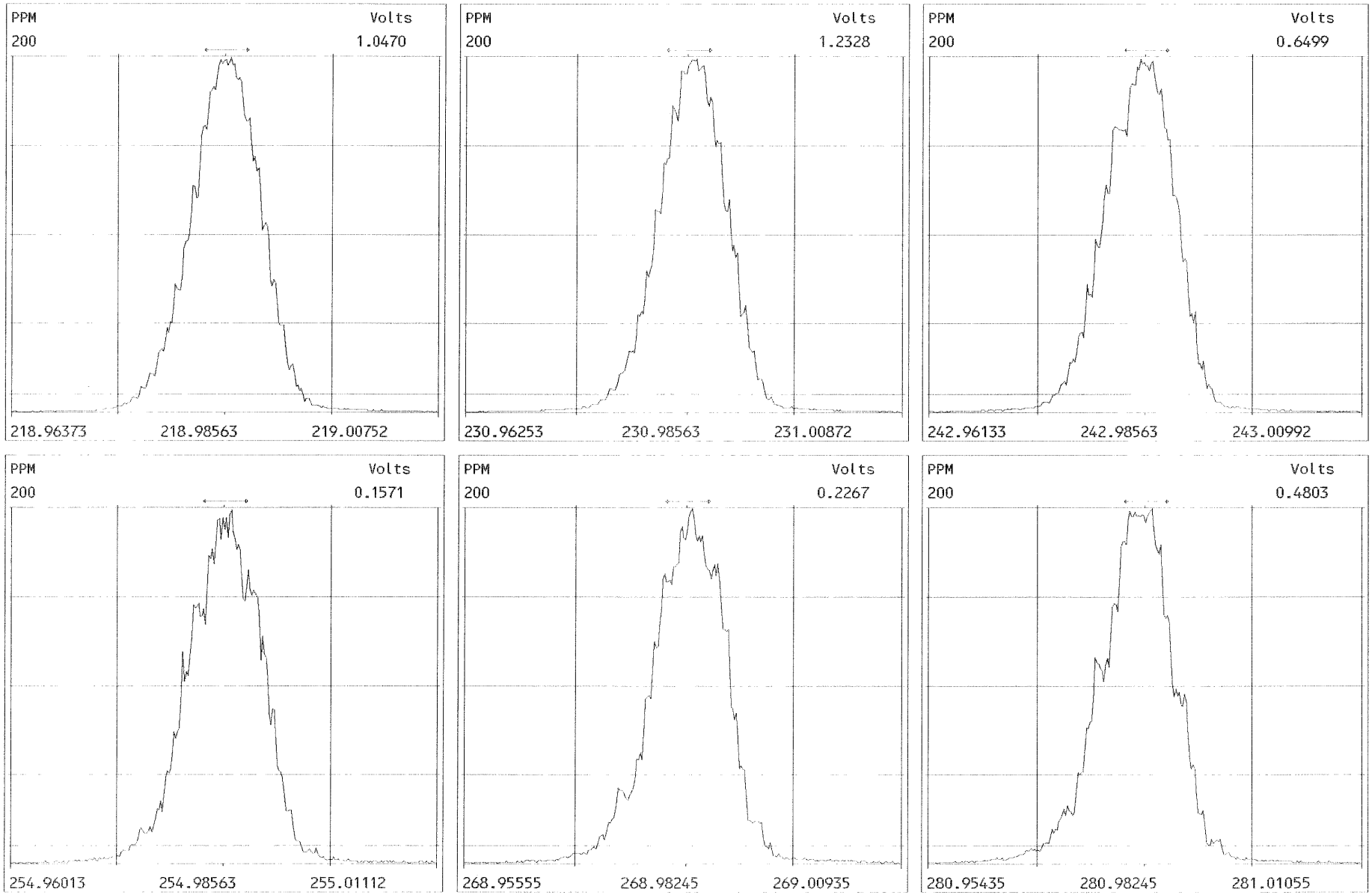




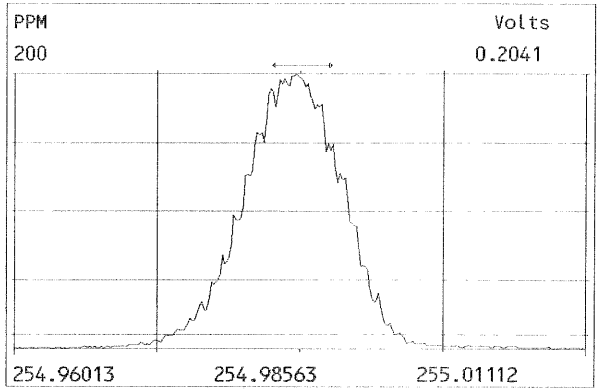


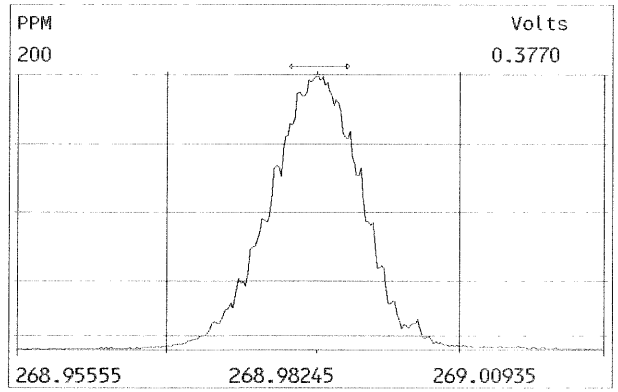


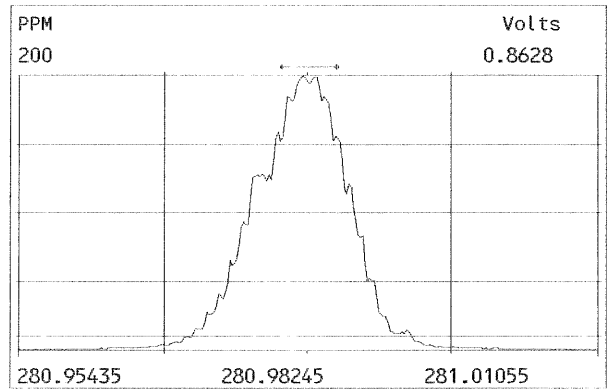
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

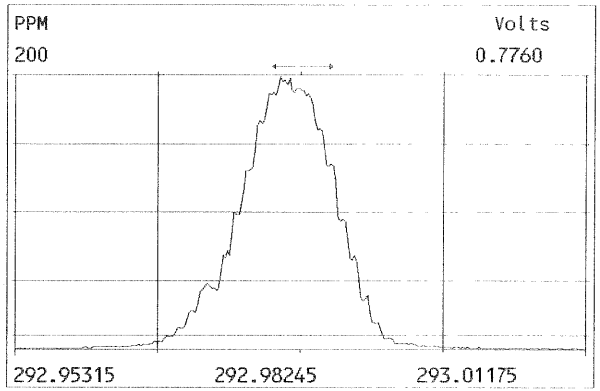


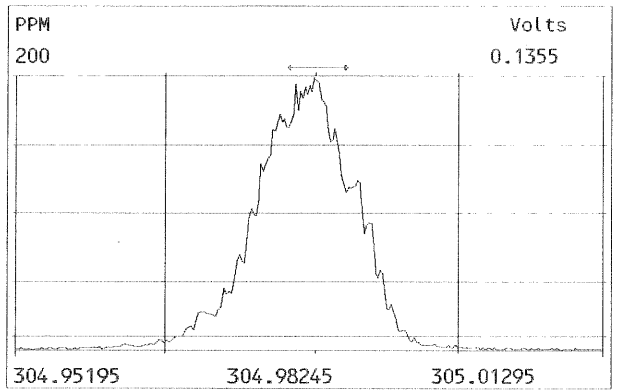
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

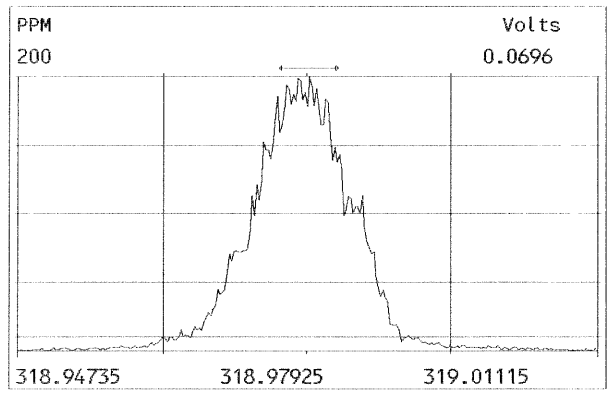


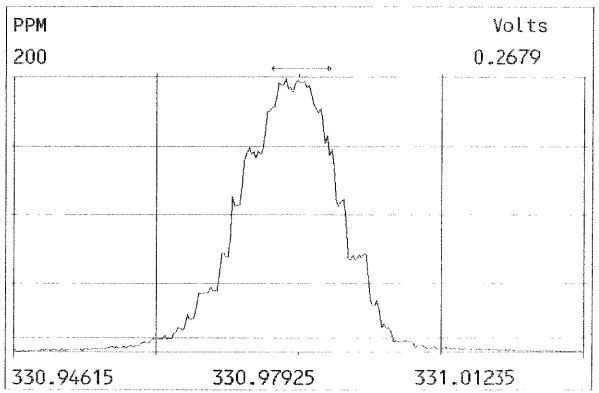


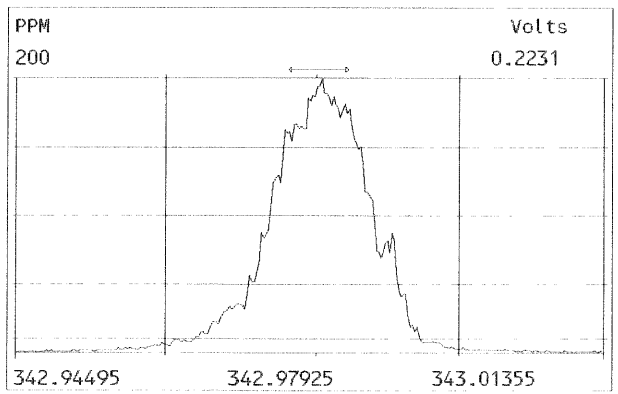




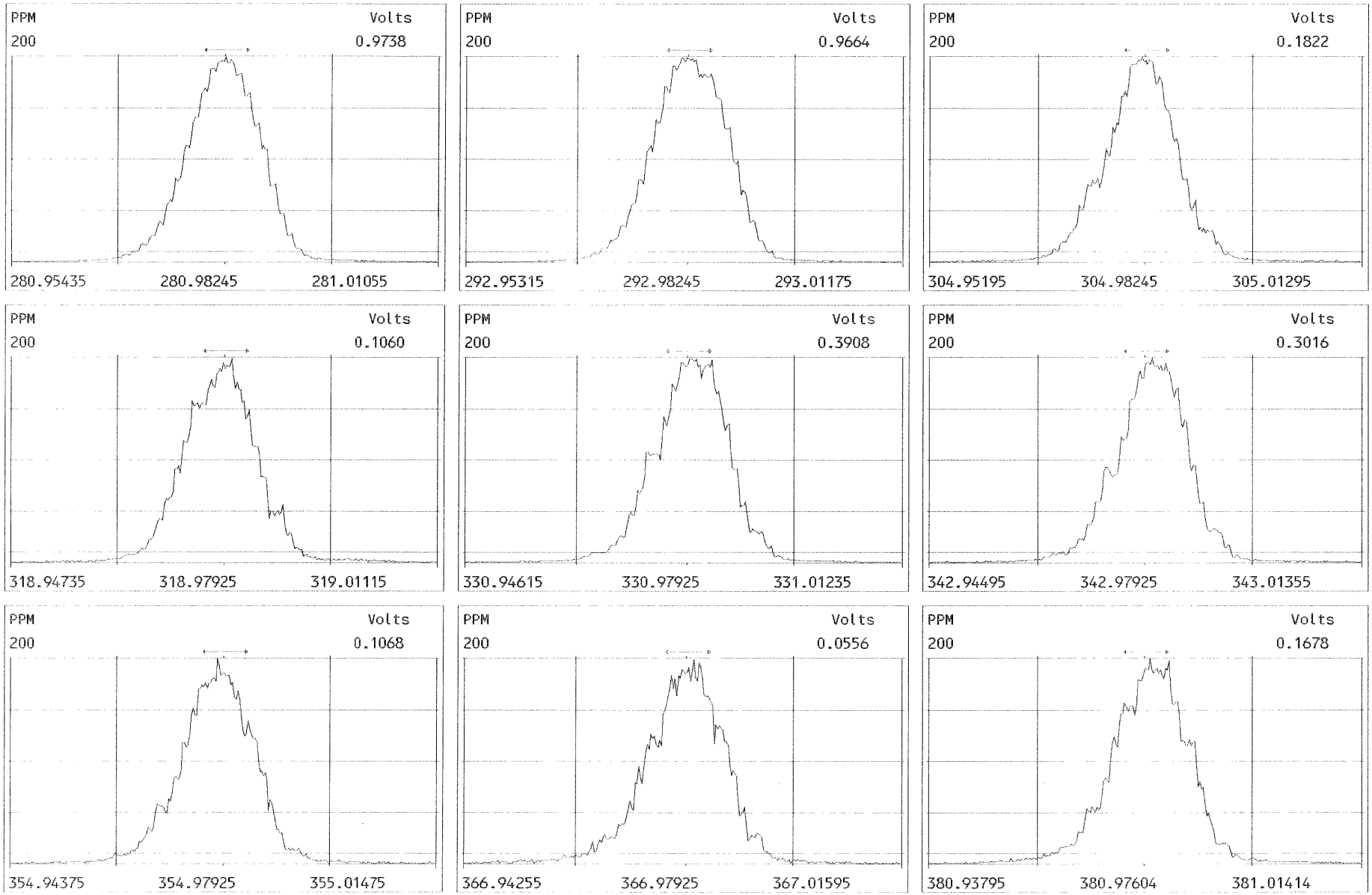




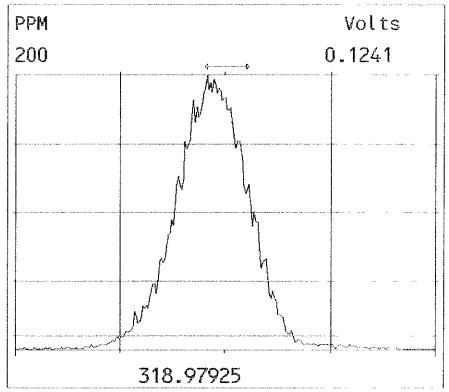


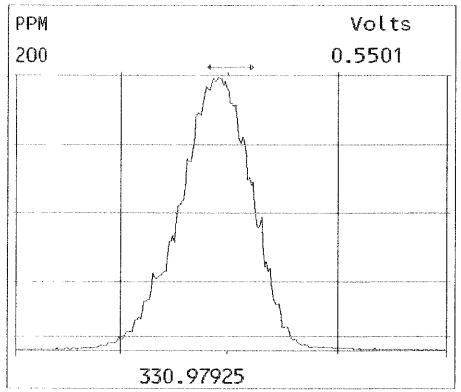


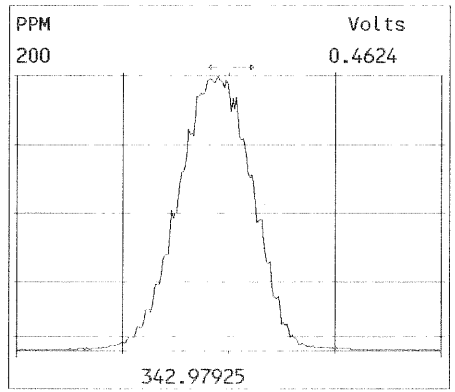
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

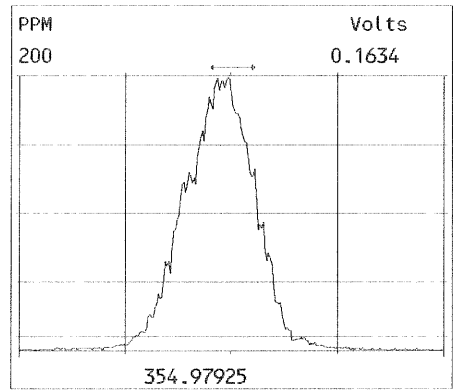


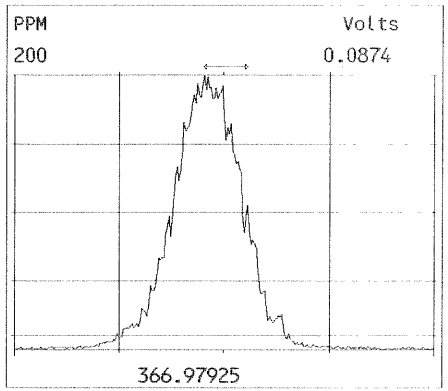
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

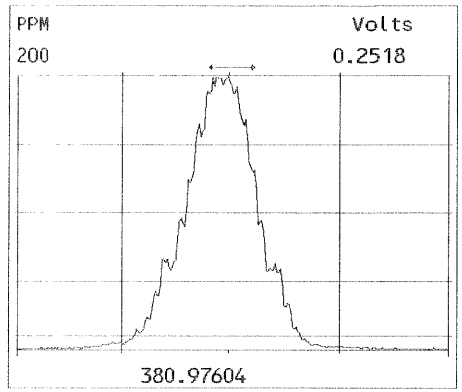


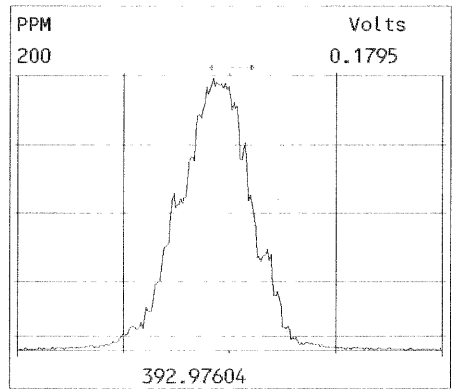


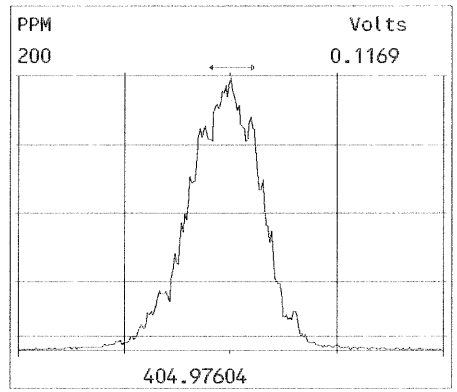


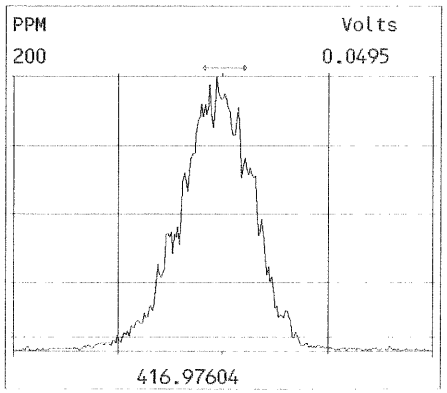


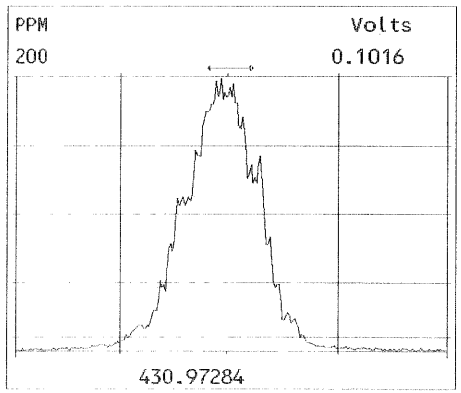


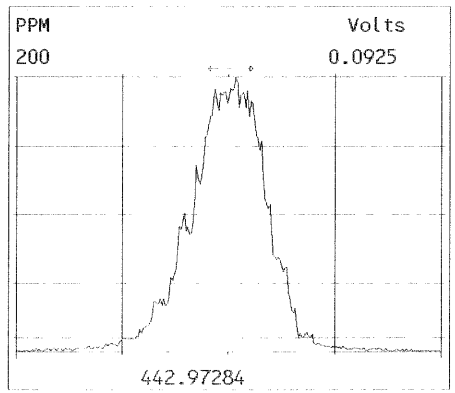




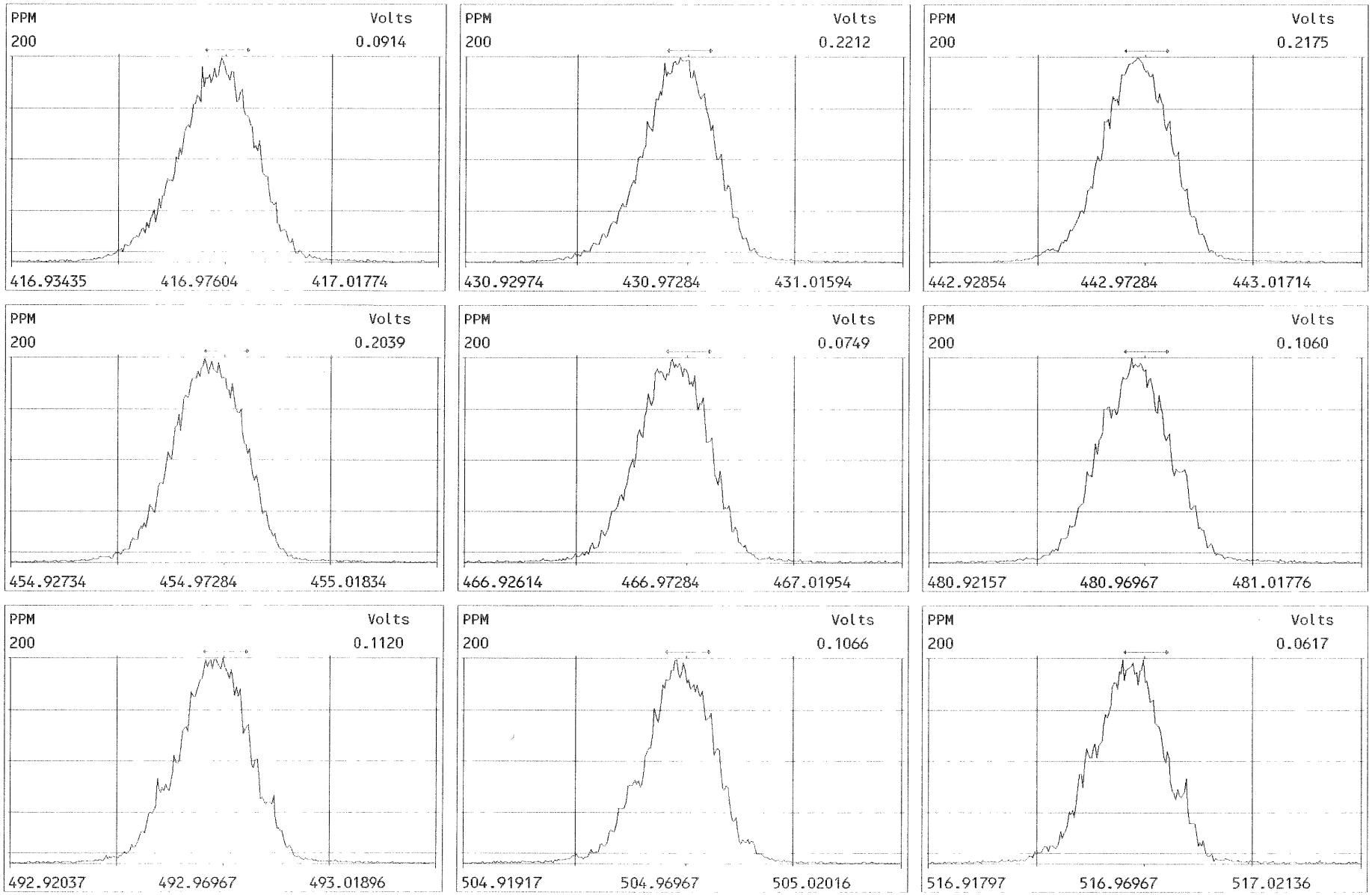




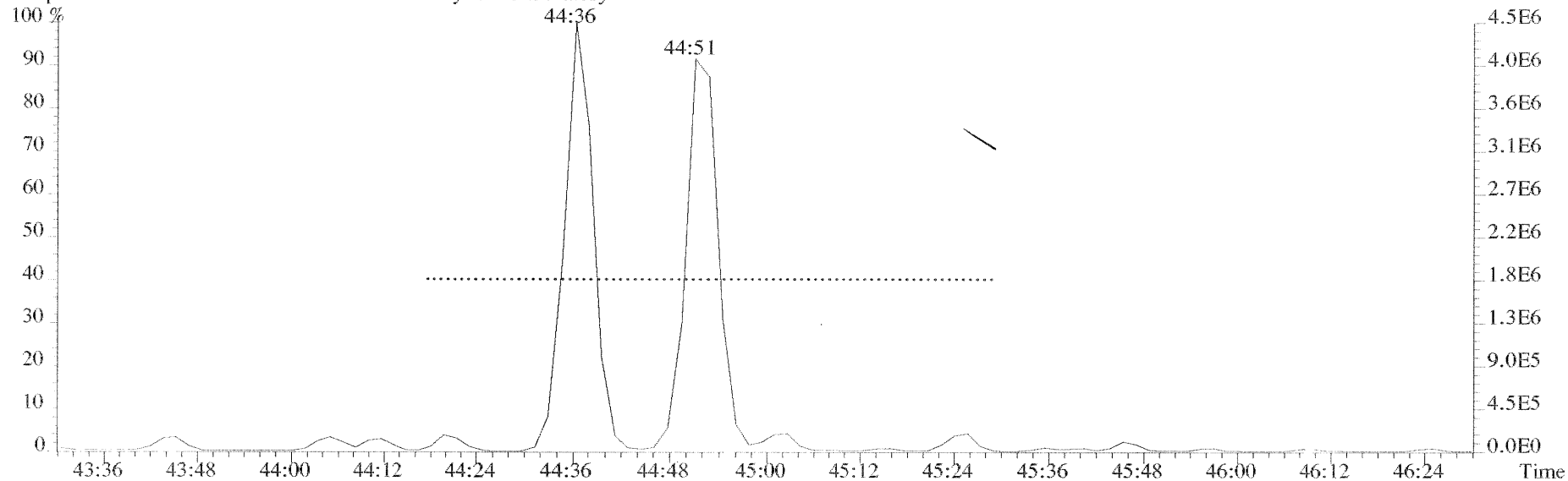




Peak Locate Examination:16-OCT-2020:07:47 File:16OCT20Z
Experiment:1668PCB Function:6 Reference:PFK



File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



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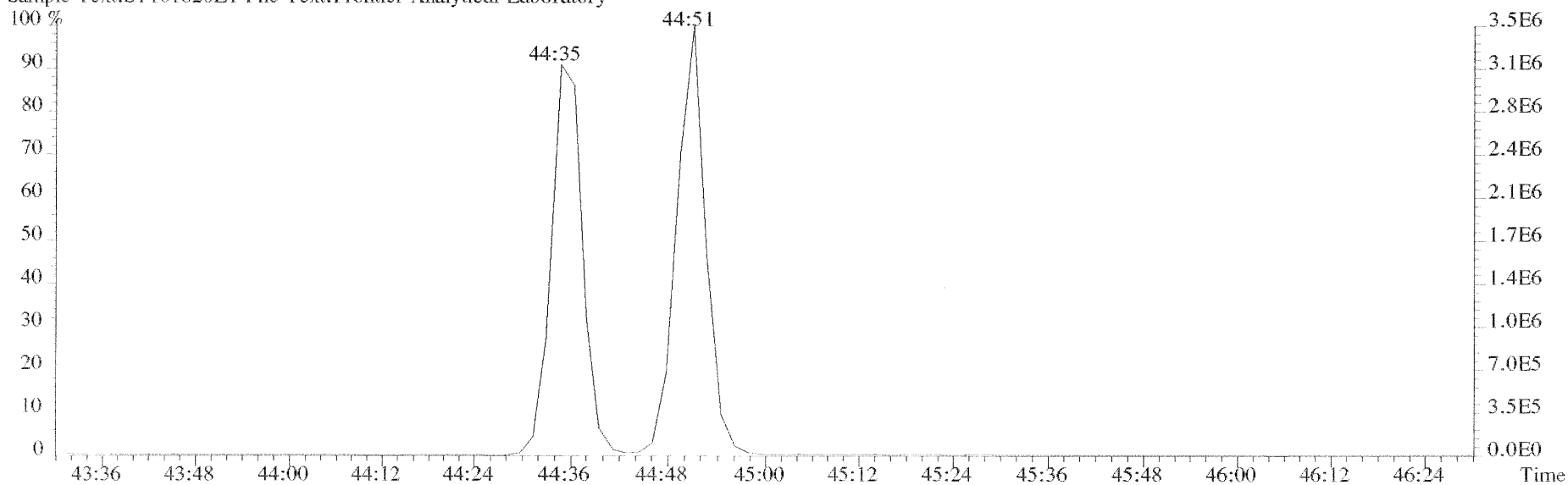
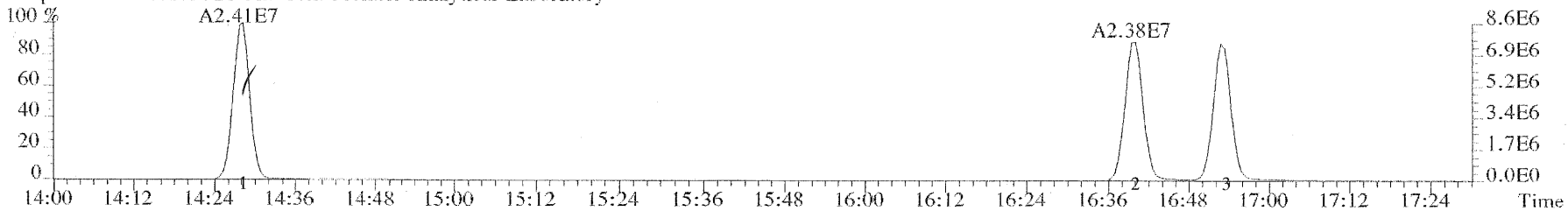


File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-783 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
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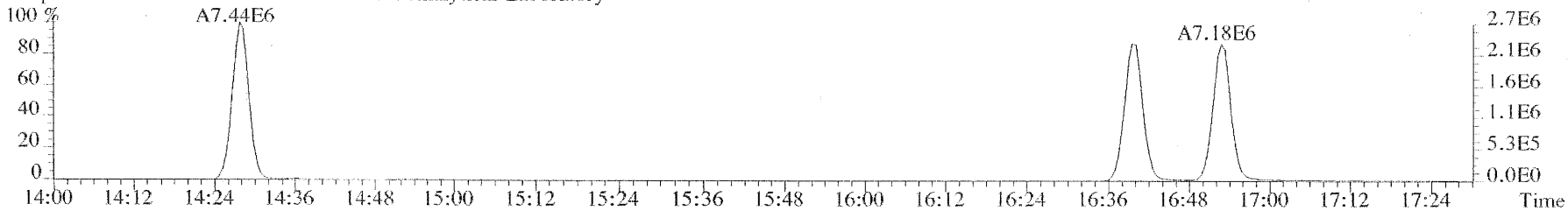

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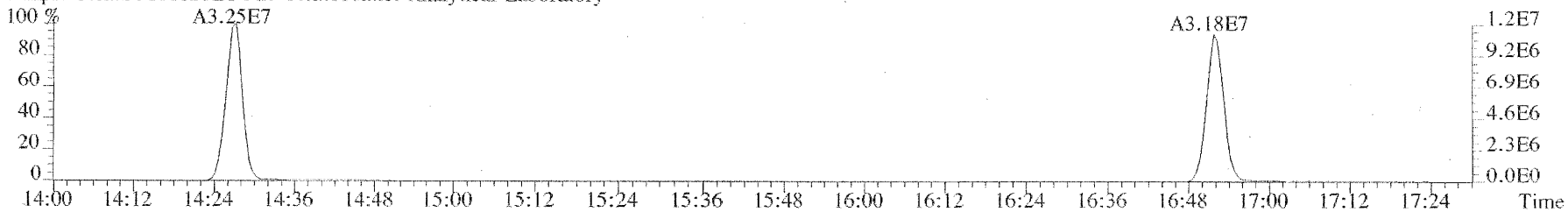

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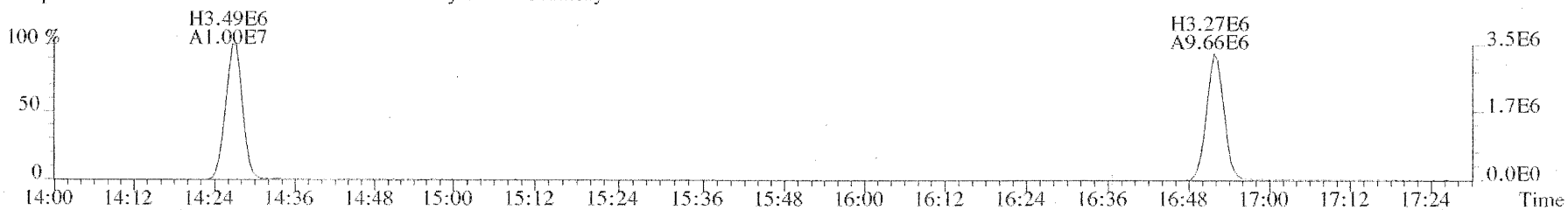
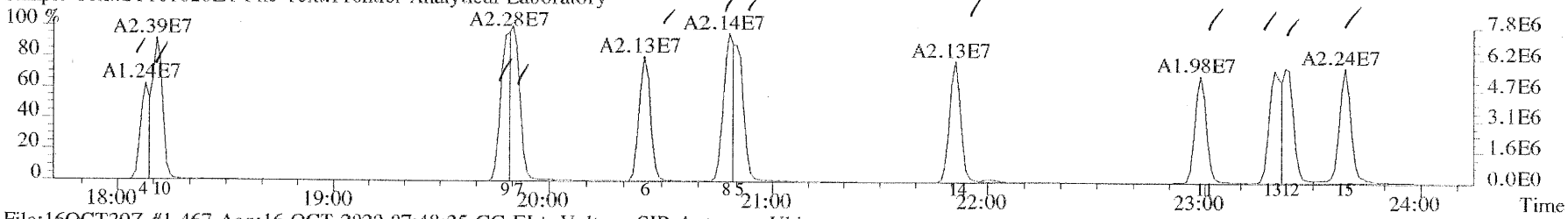
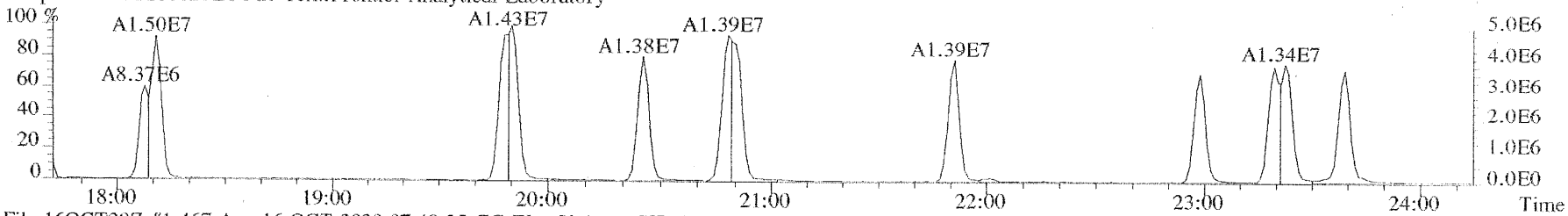


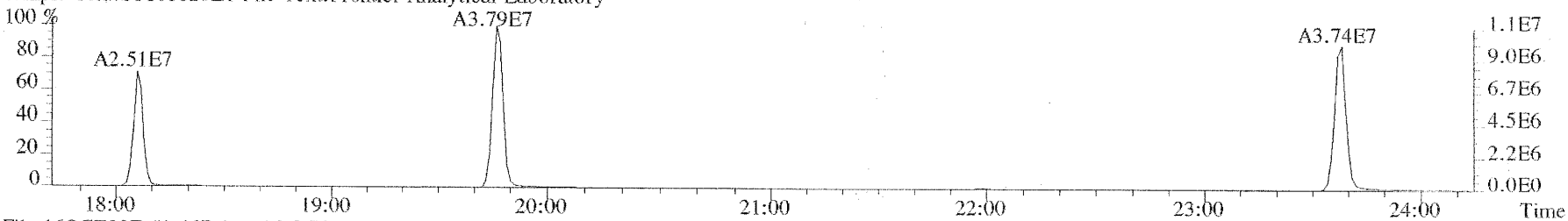
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
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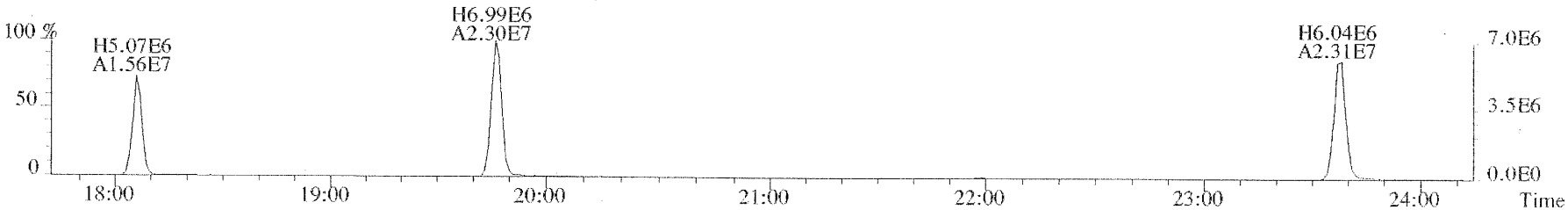
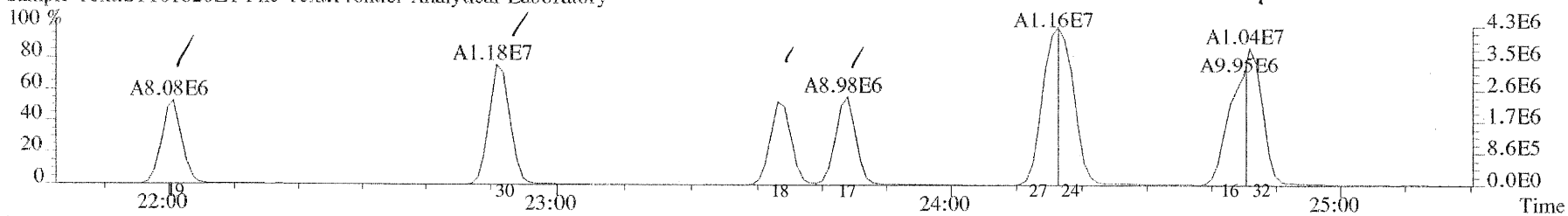
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
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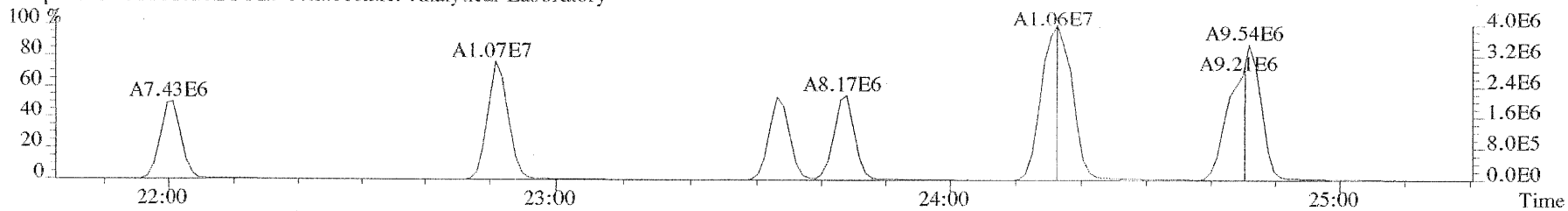
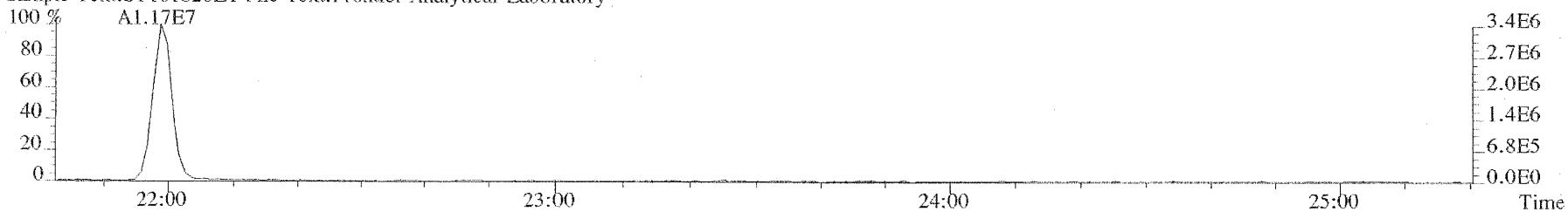
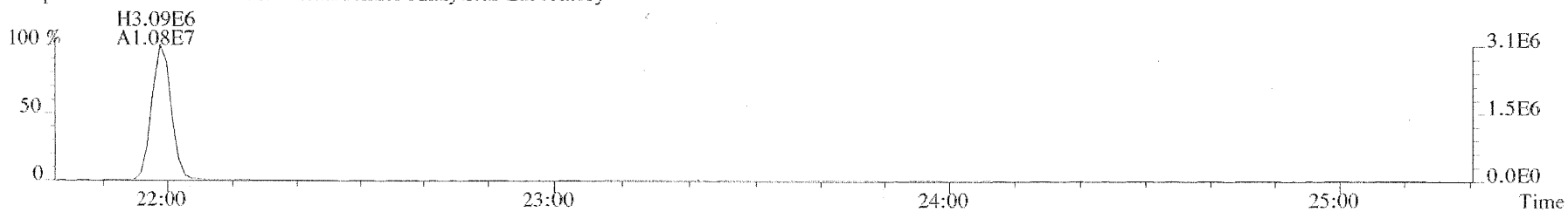


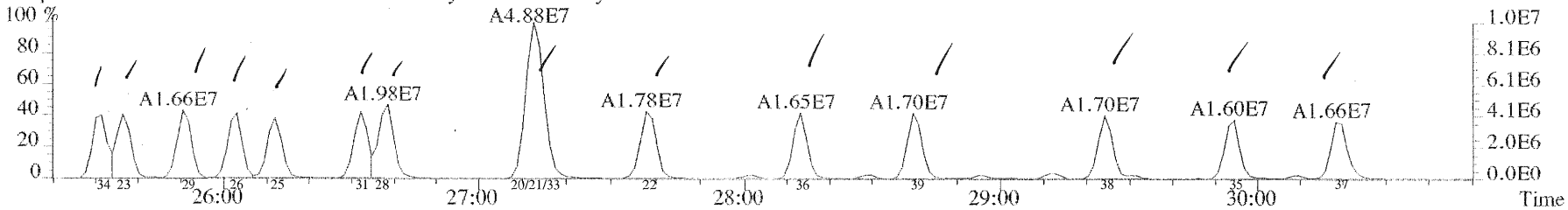
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



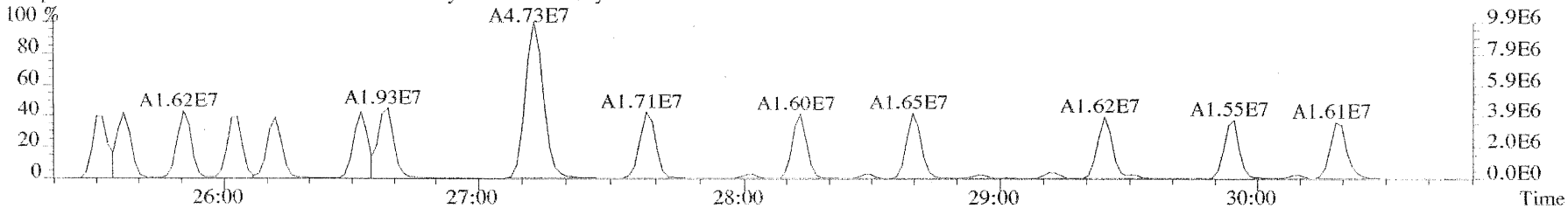
File:16OCT20Z #1-467 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



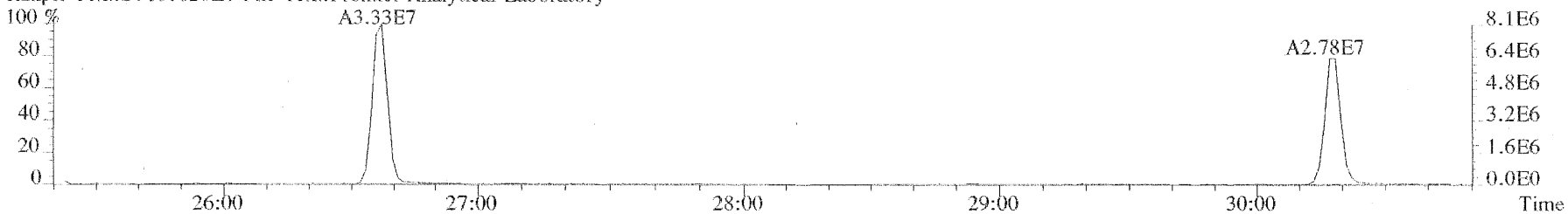
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



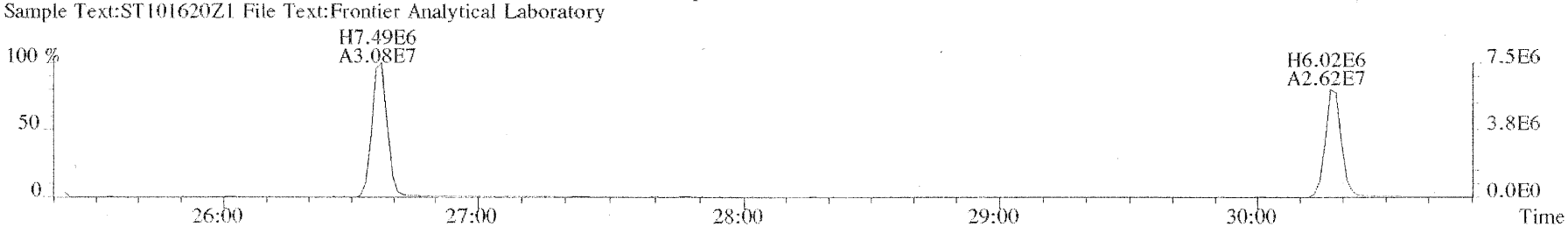
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



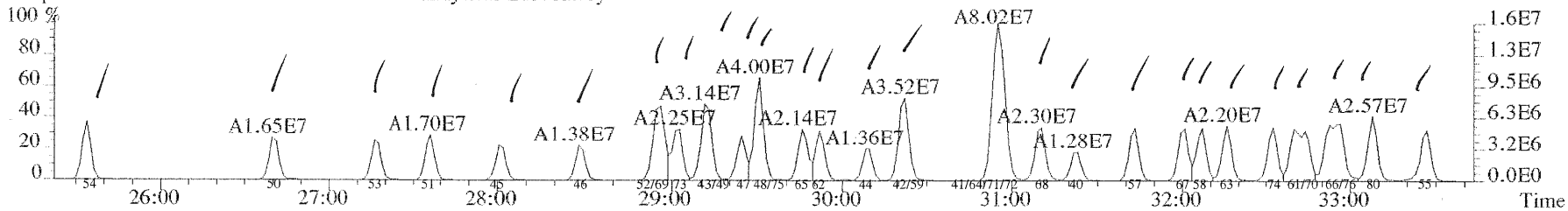
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



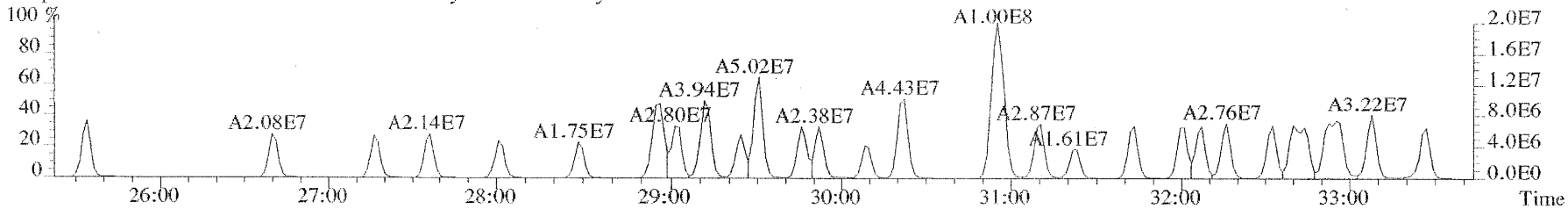
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



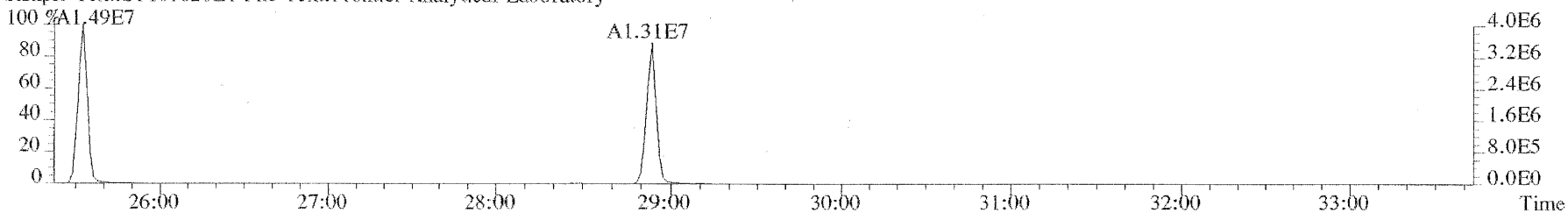
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



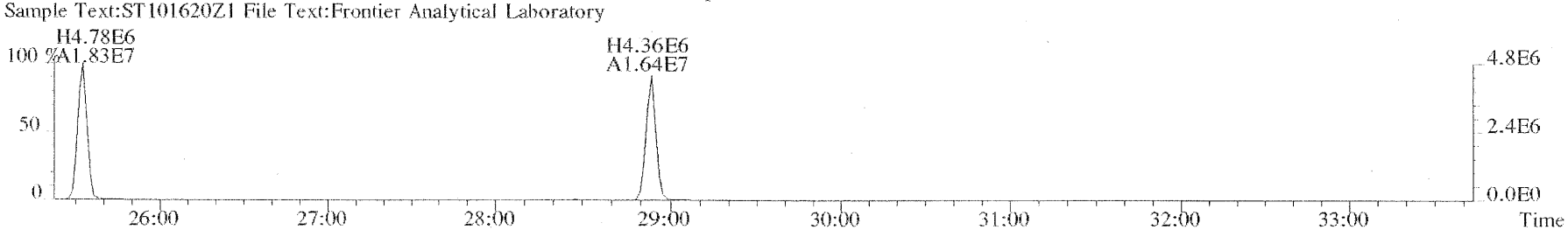
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



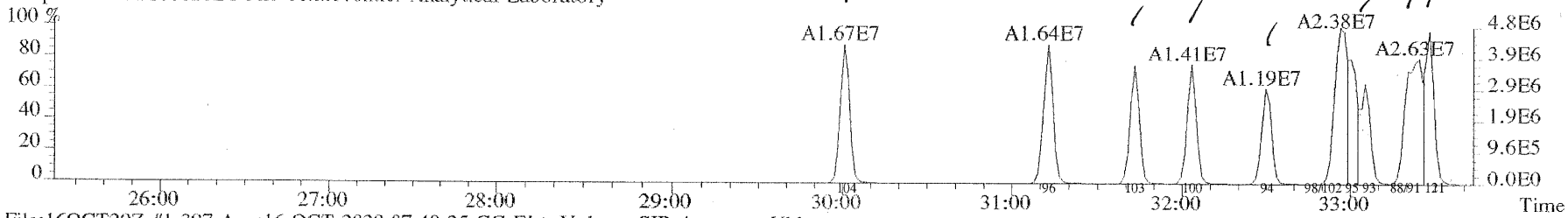
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



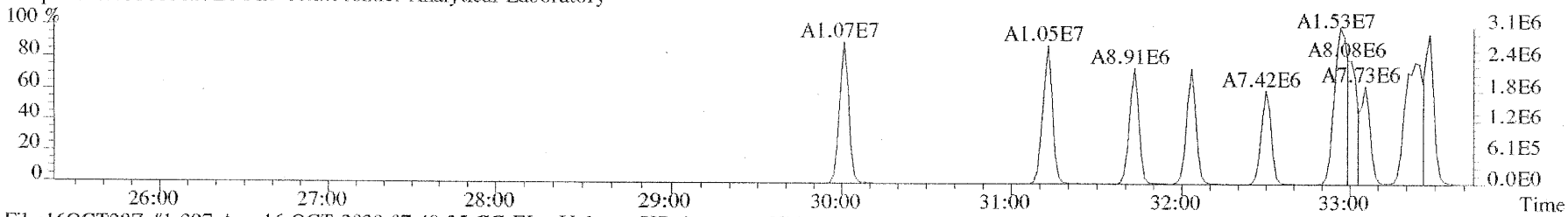
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



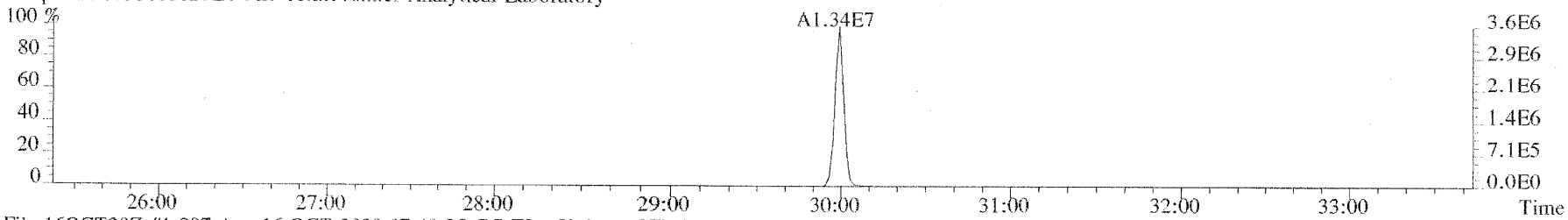
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



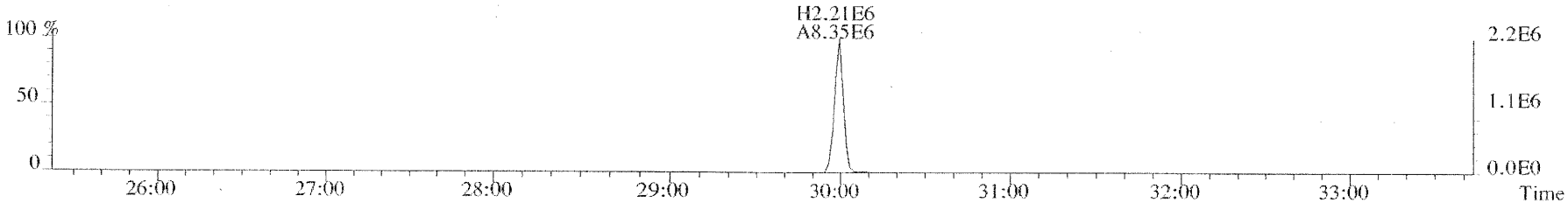
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



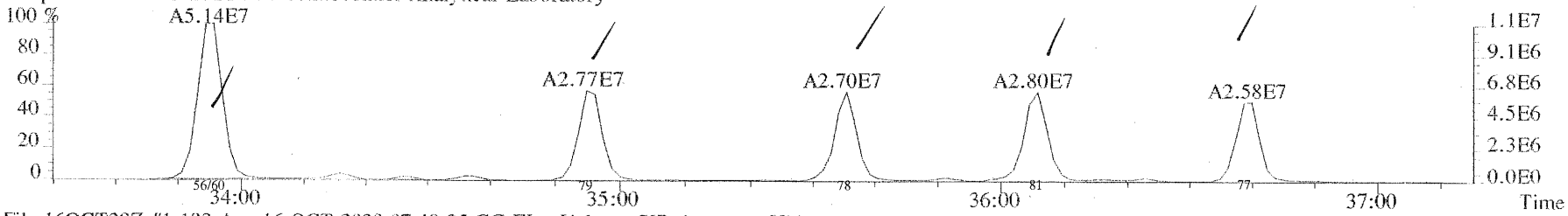
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



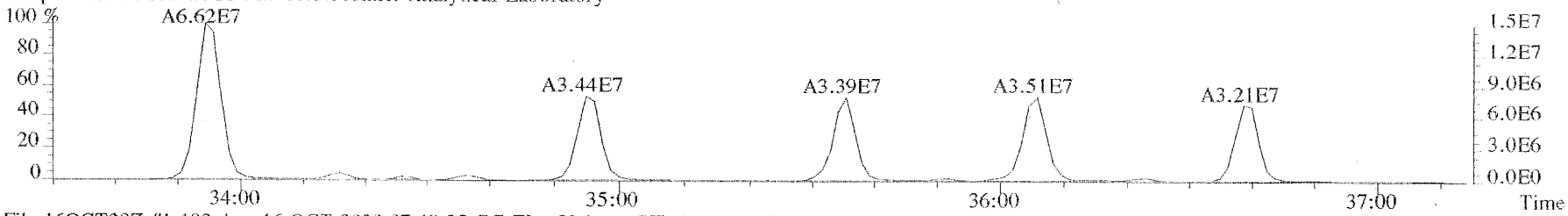
File:16OCT20Z #1-397 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



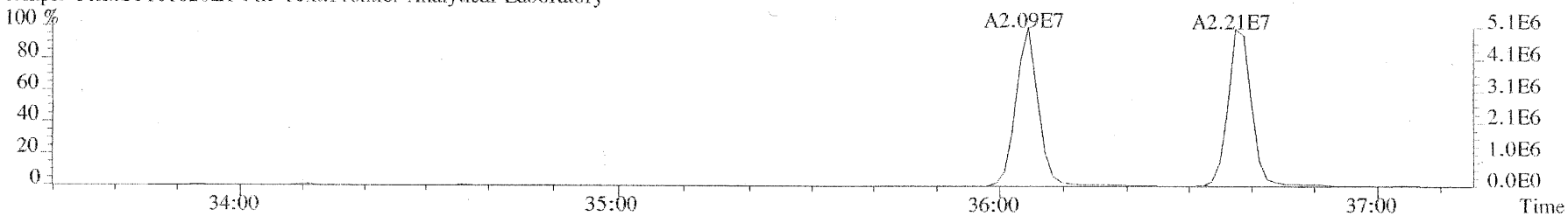
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



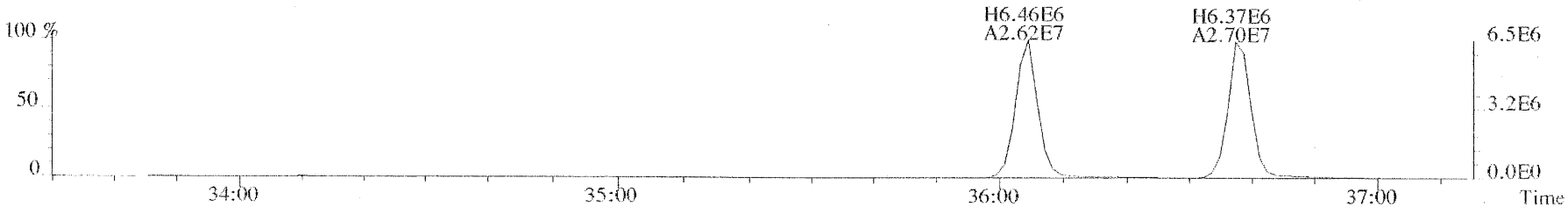
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



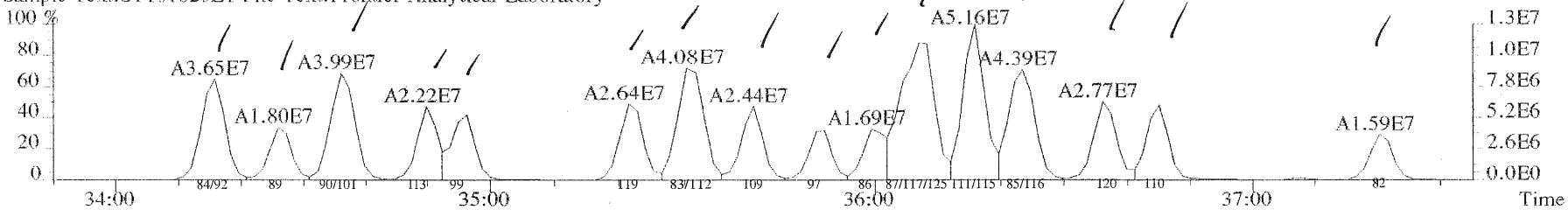
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



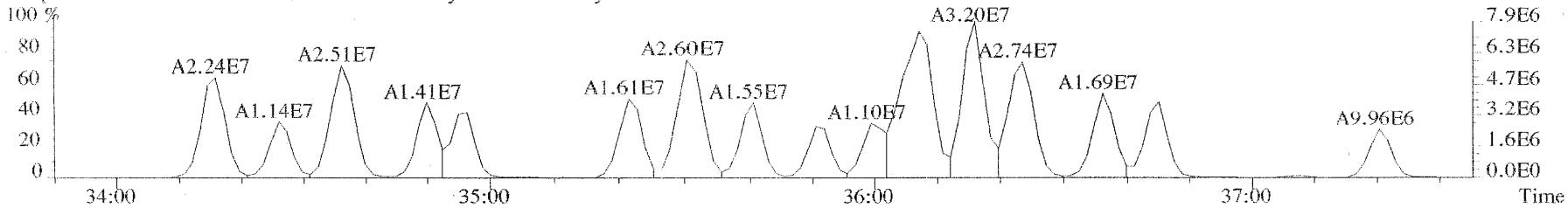
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



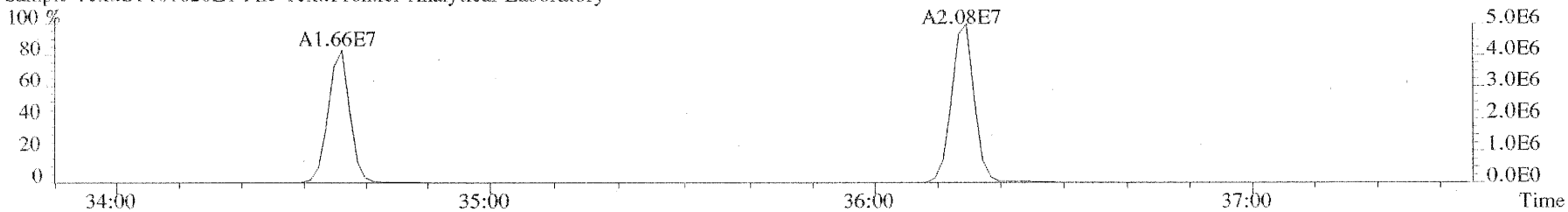
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



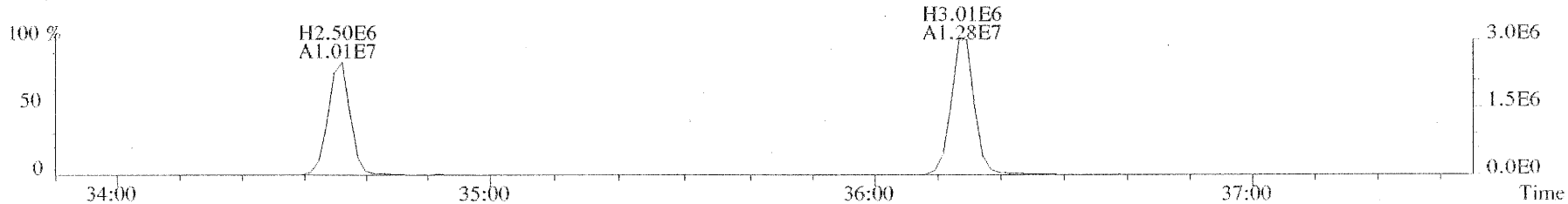
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



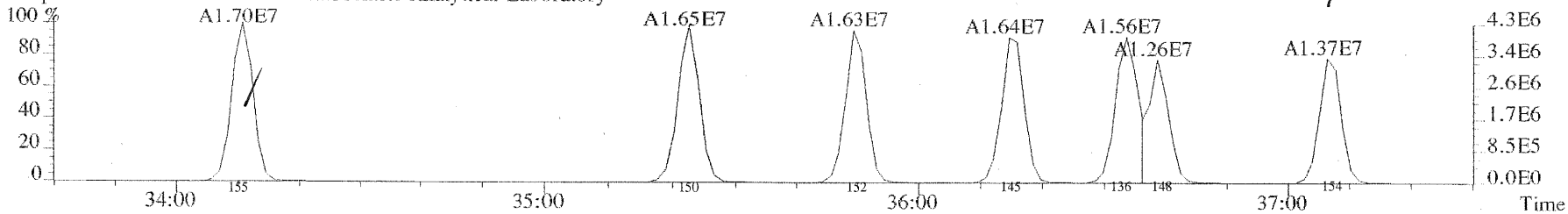
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



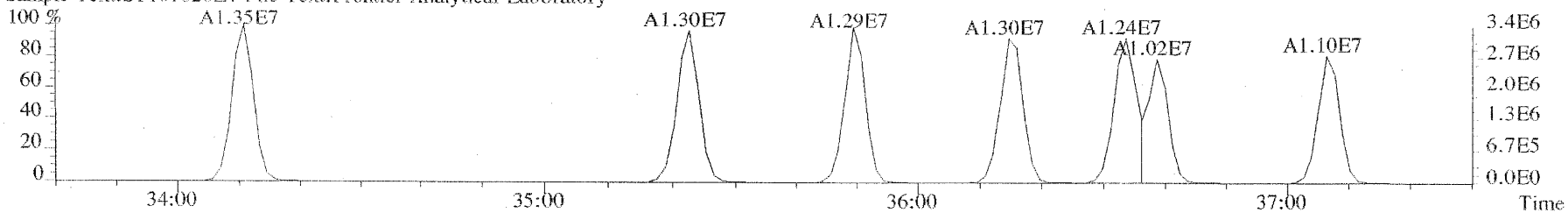
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



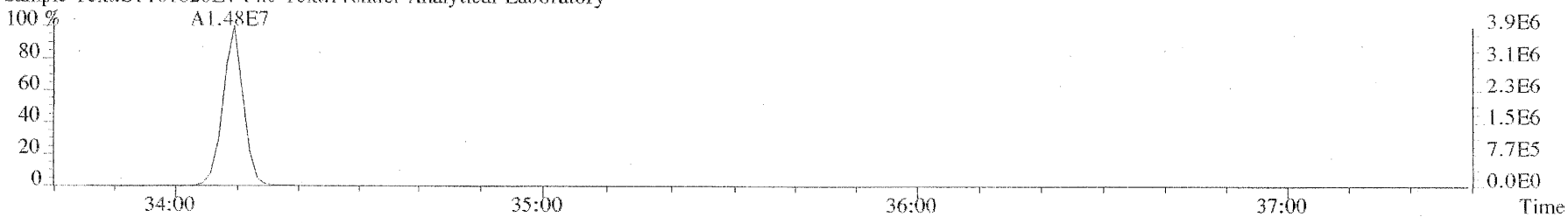
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



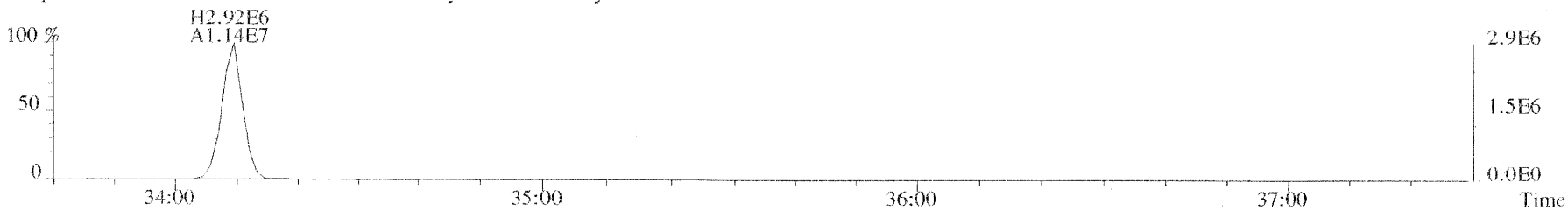
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



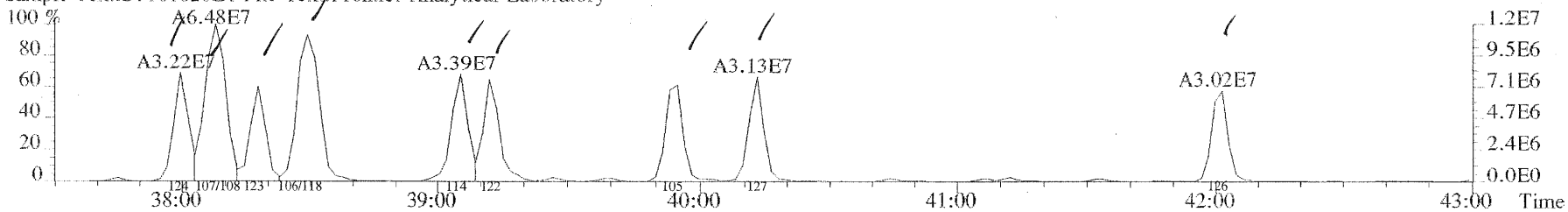
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



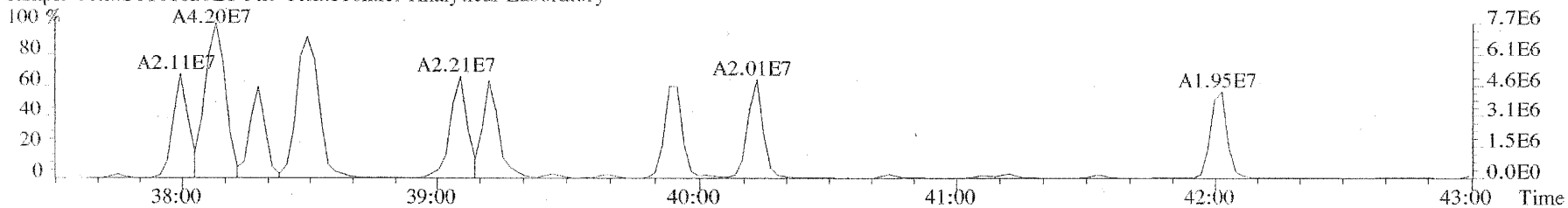
File:16OCT20Z #1-183 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



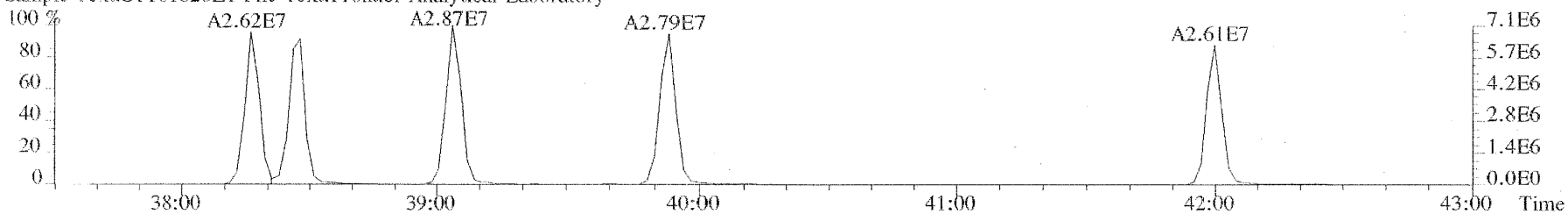
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



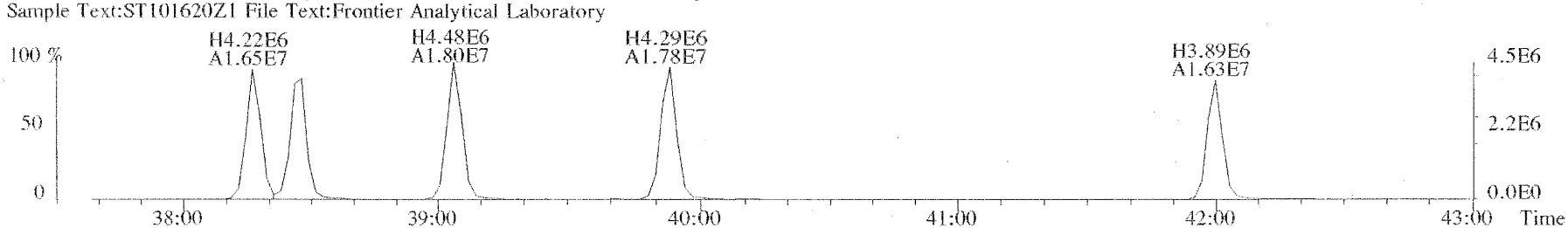
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



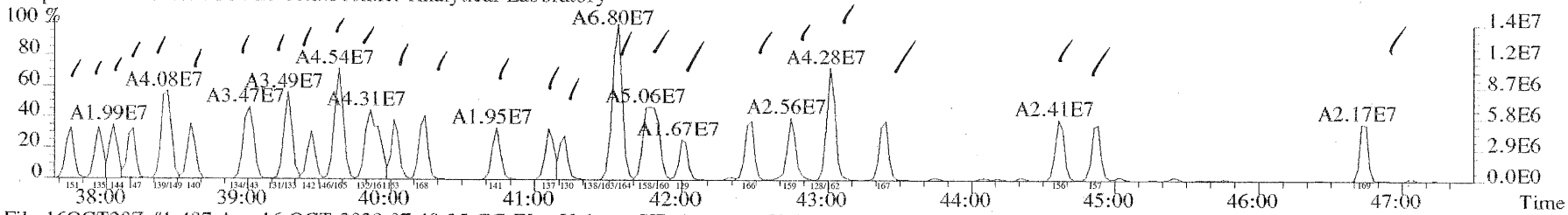
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



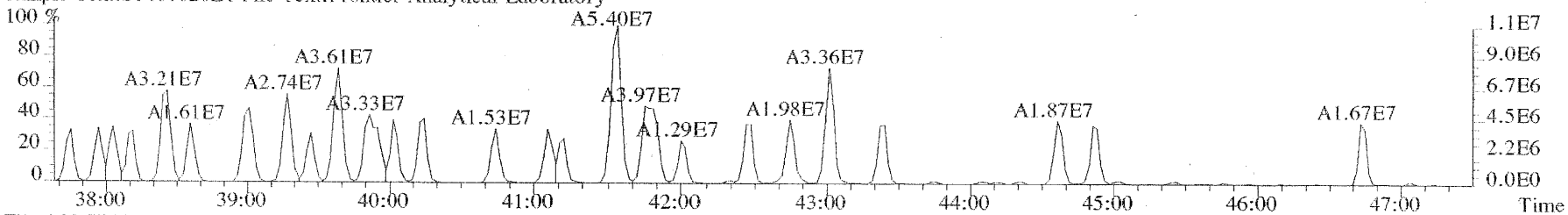
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



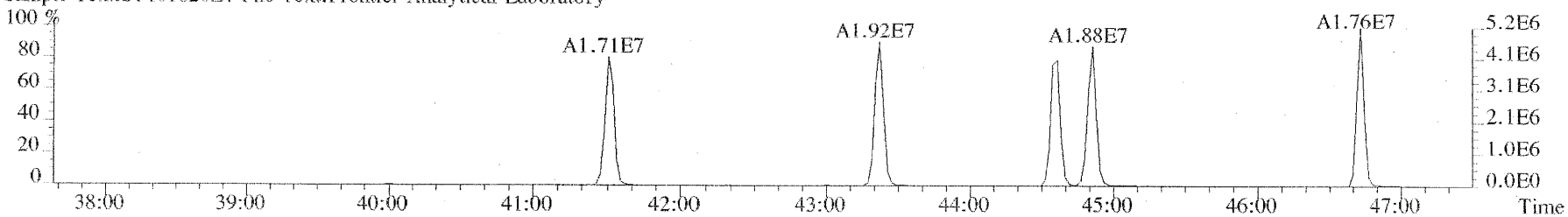
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



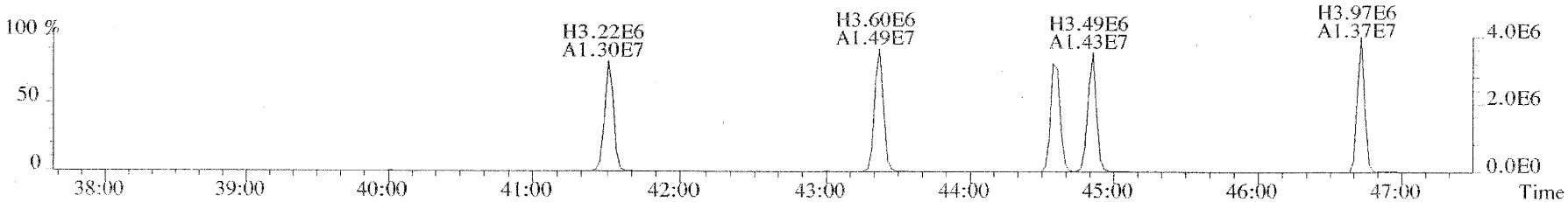
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



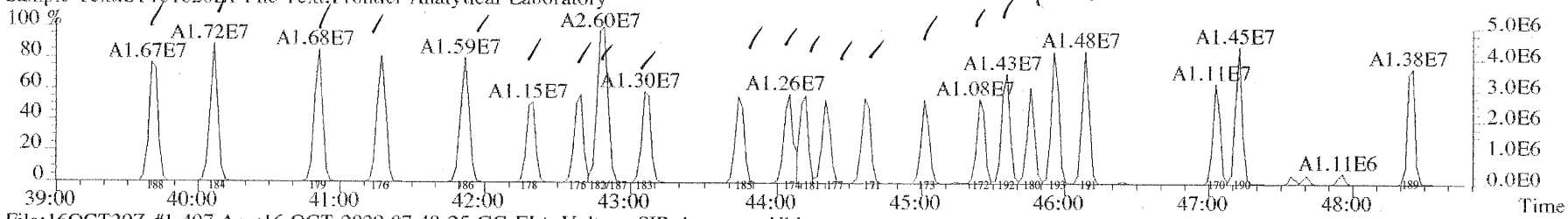
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



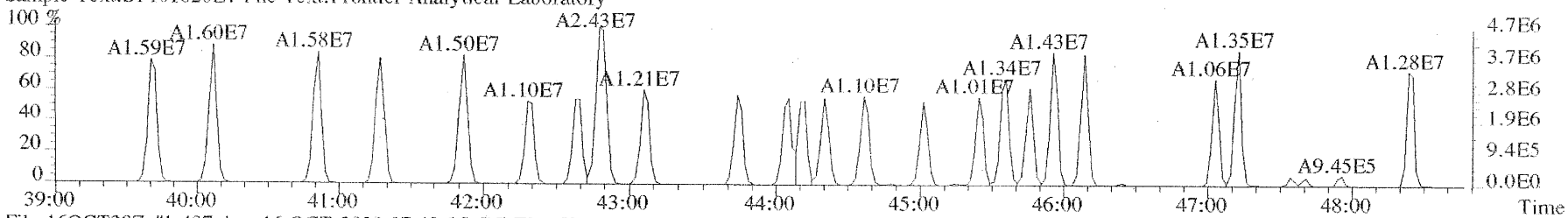
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



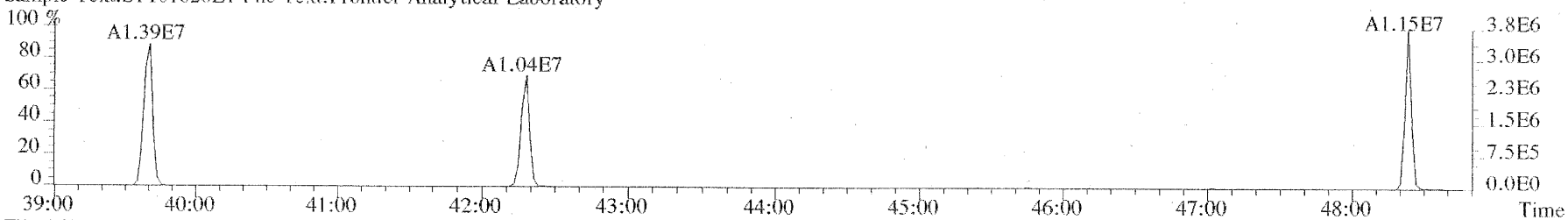
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



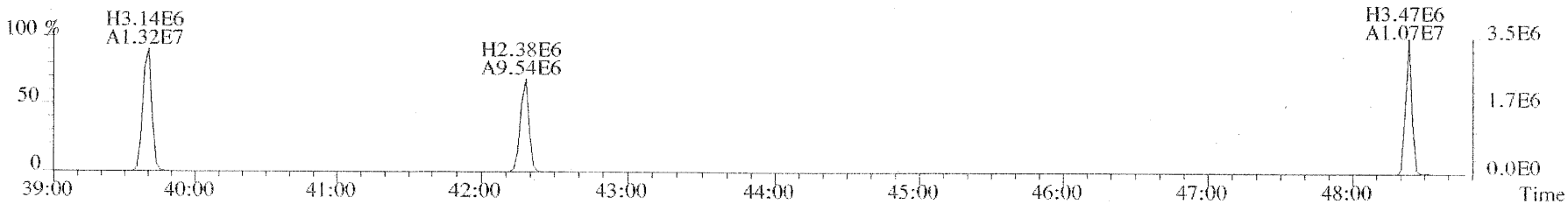
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



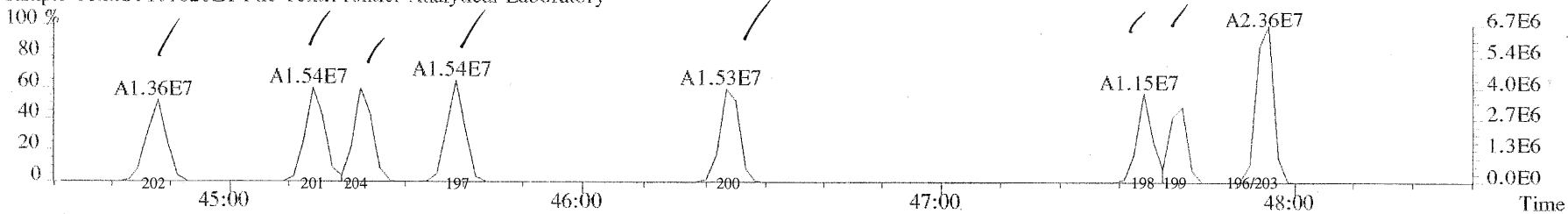
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



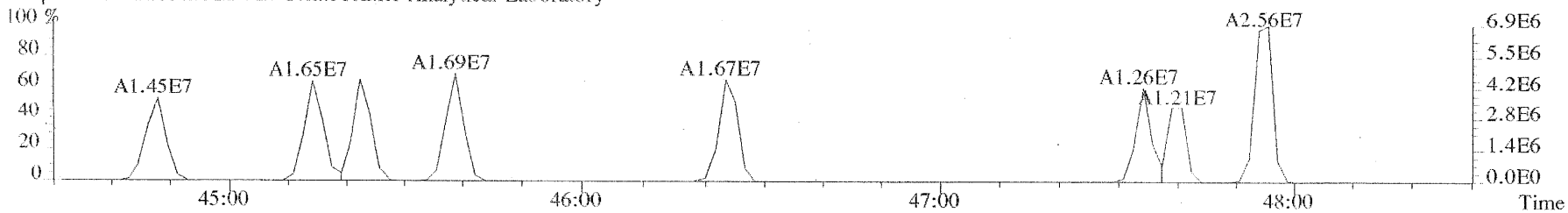
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



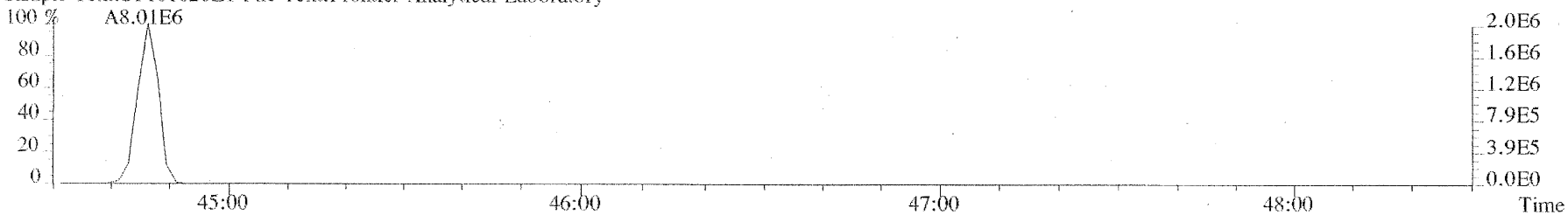
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



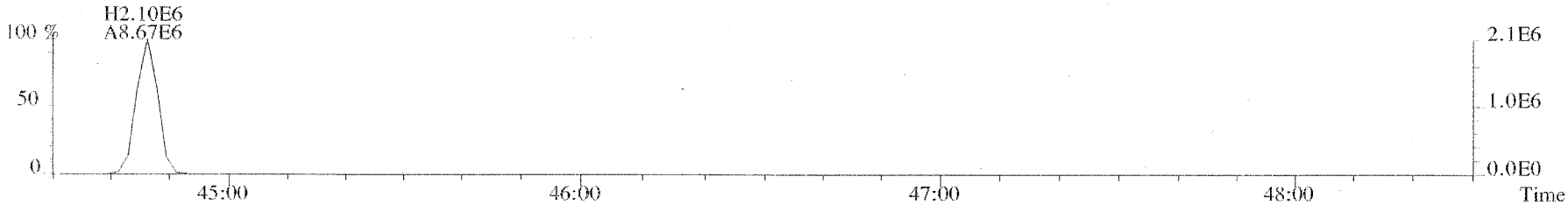
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



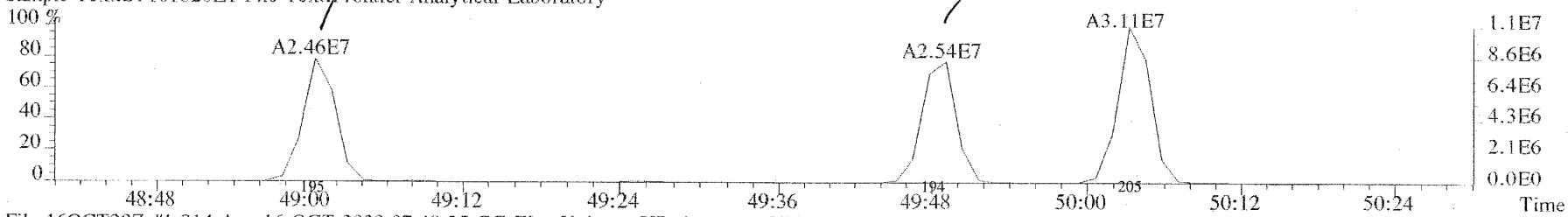
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



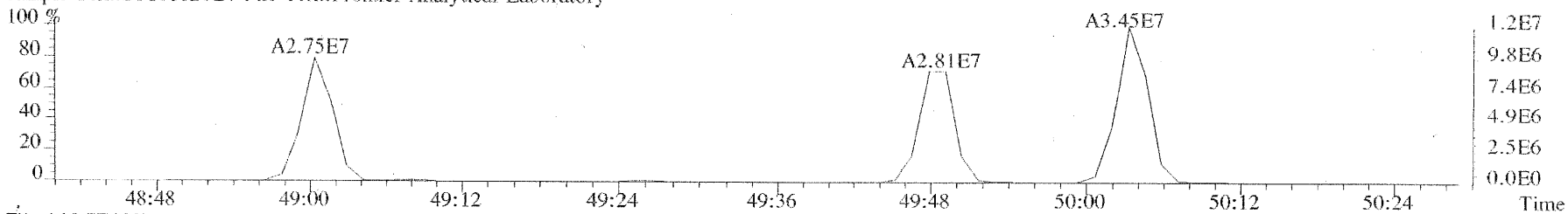
File:16OCT20Z #1-407 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



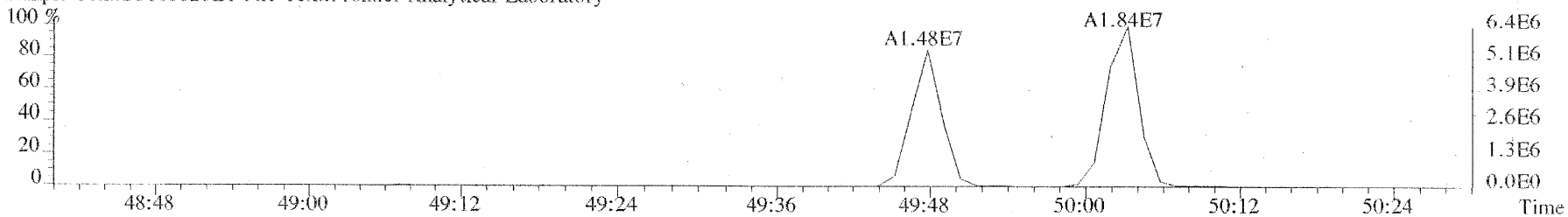
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



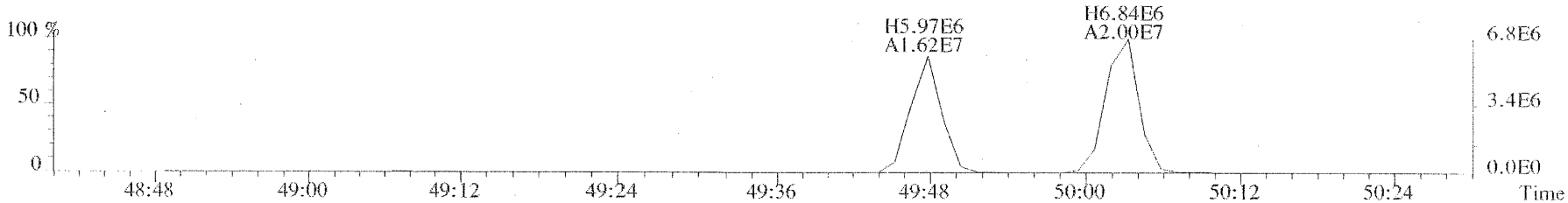
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



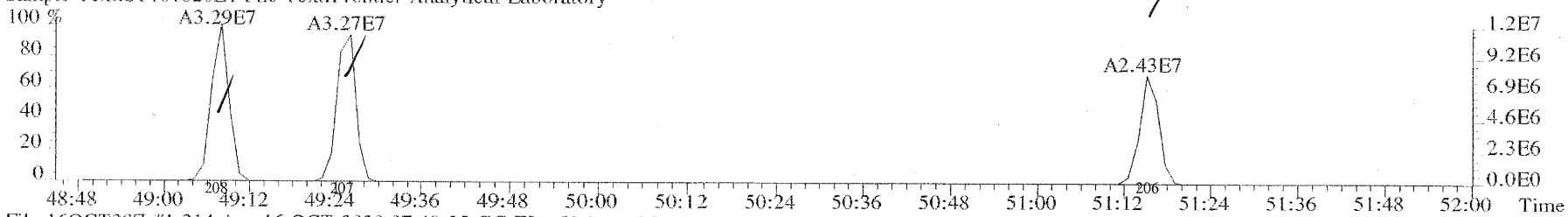
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



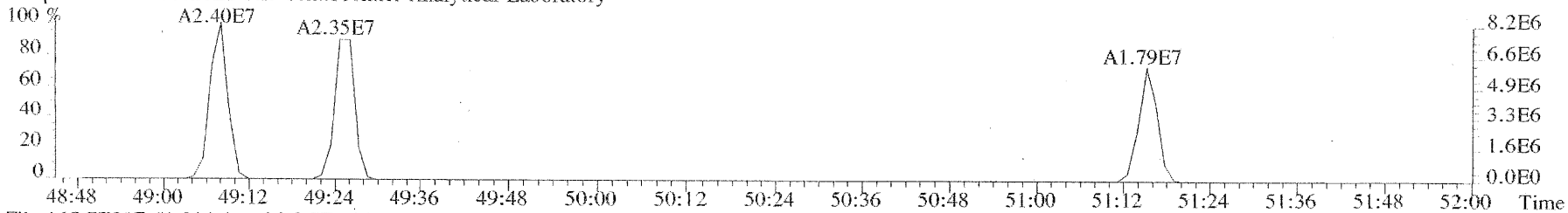
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



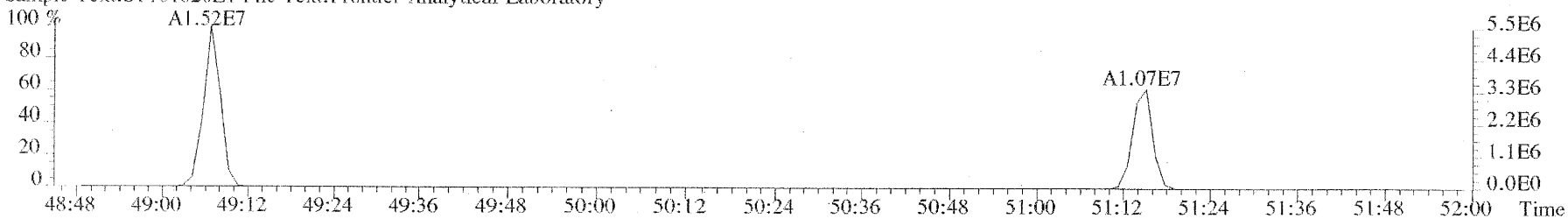
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



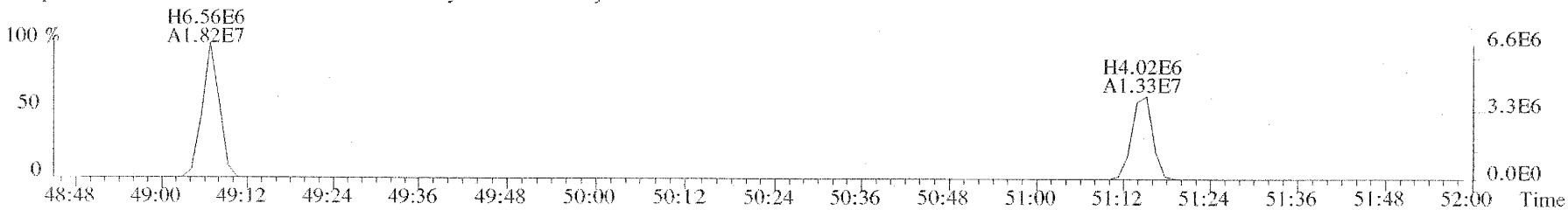
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



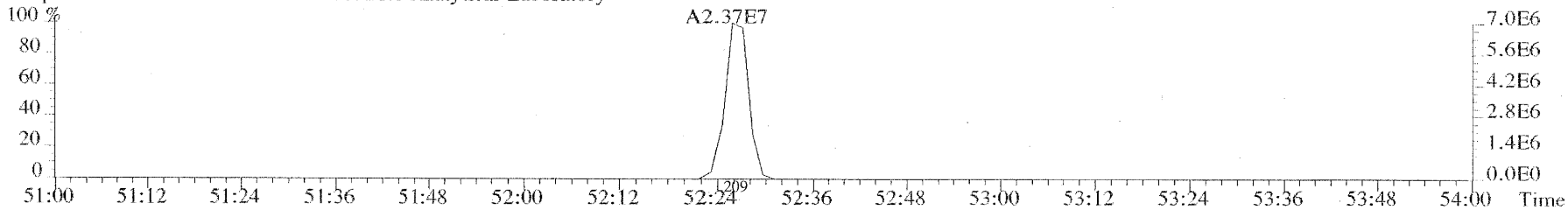
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



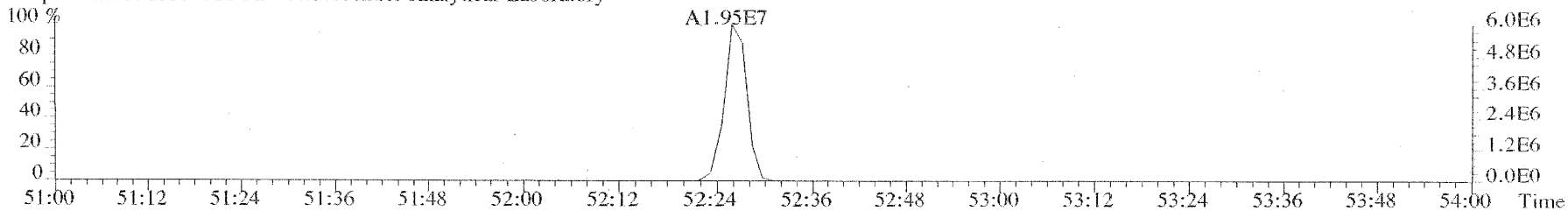
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



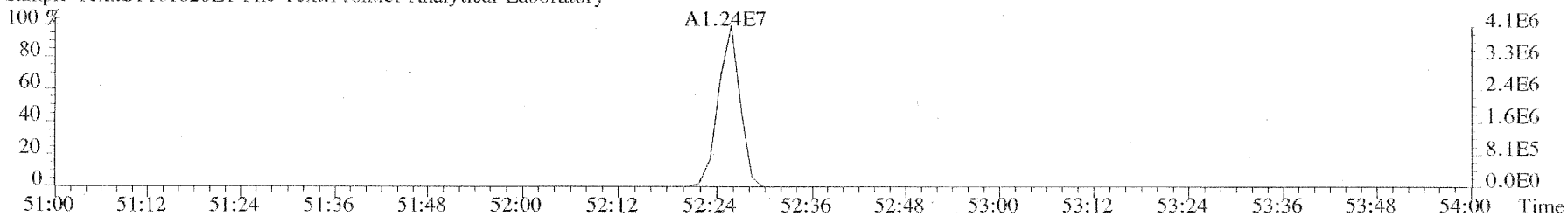
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



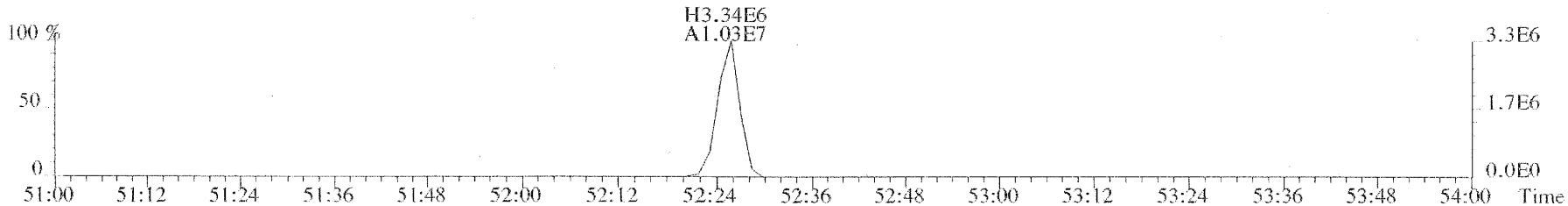
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory



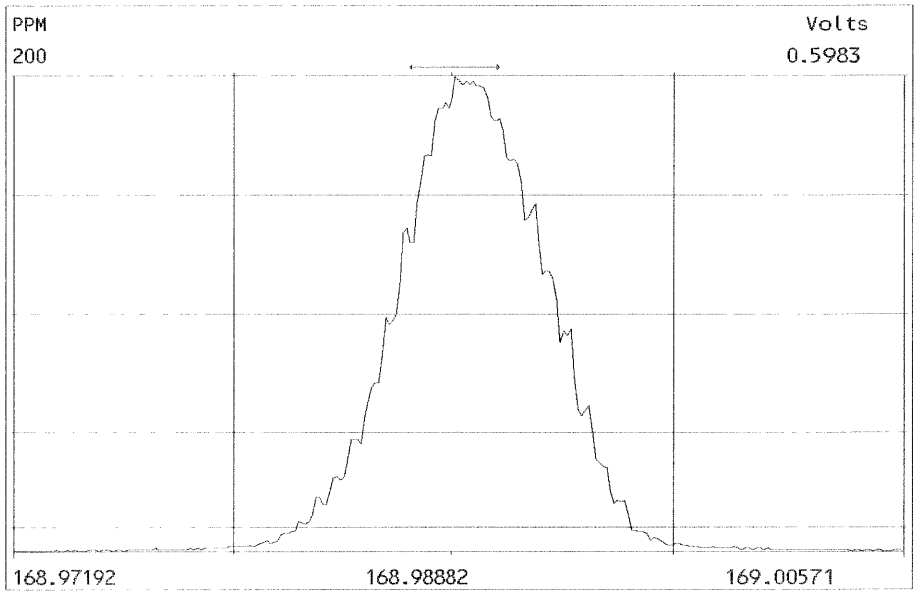
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory

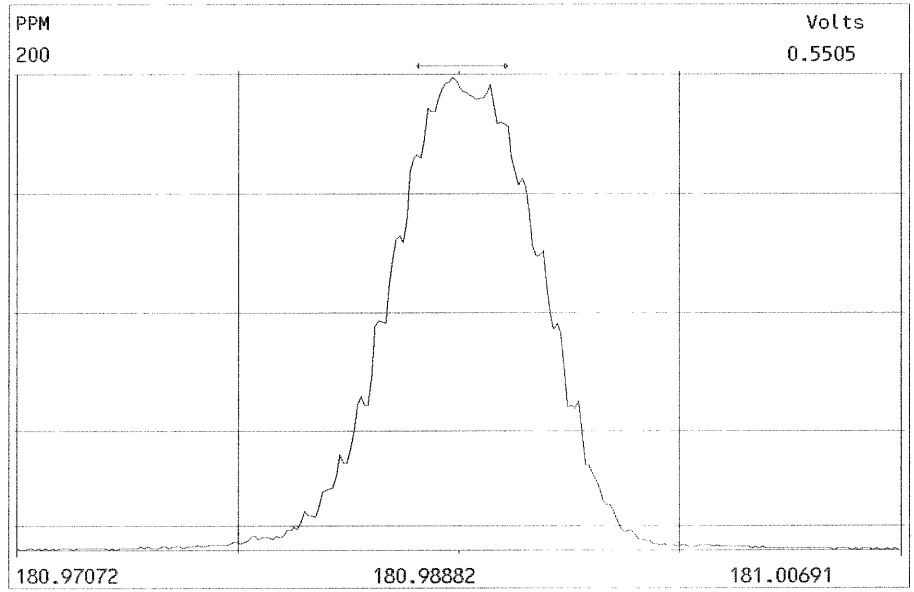


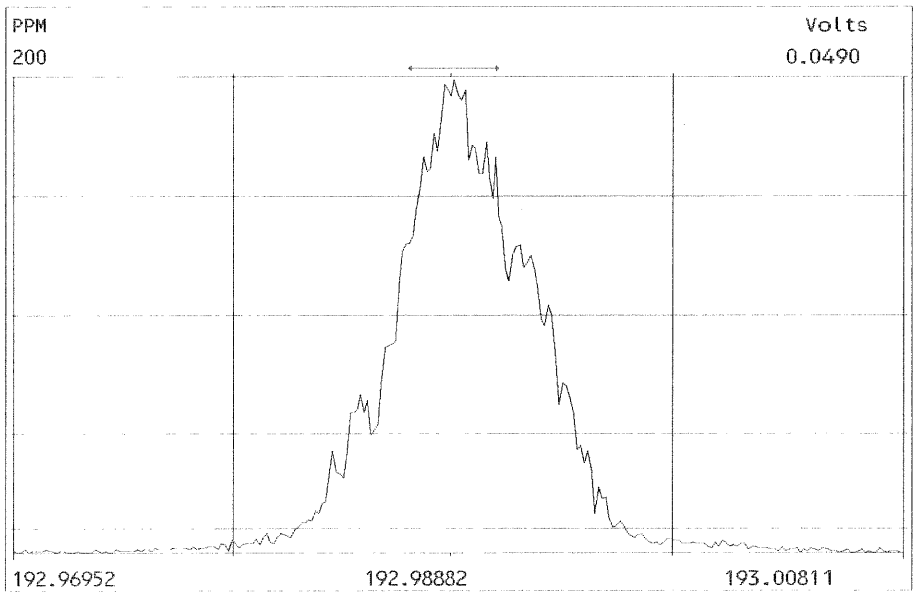
File:16OCT20Z #1-314 Acq:16-OCT-2020 07:48:25 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z1 File Text:Frontier Analytical Laboratory

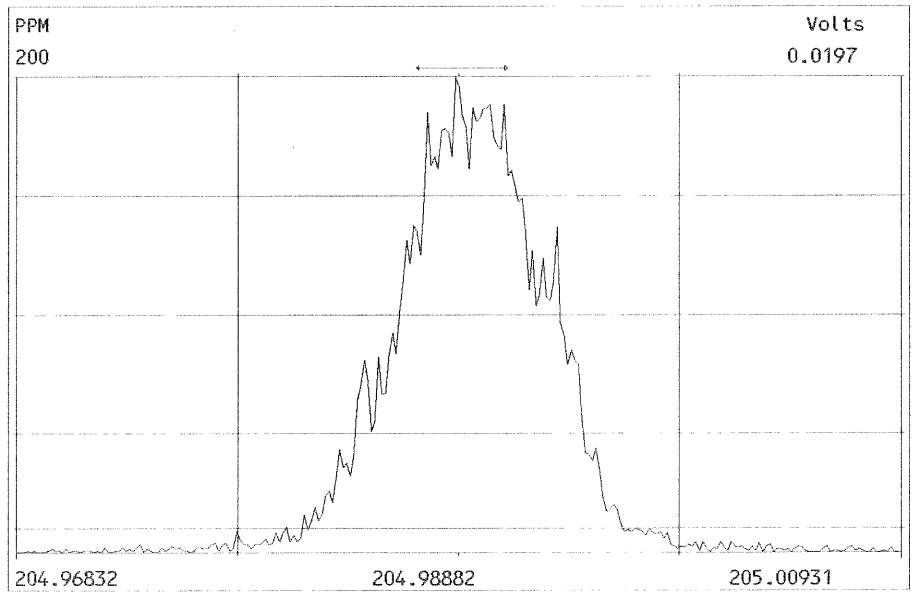


Peak Locate Examination:16-OCT-2020:22:53 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



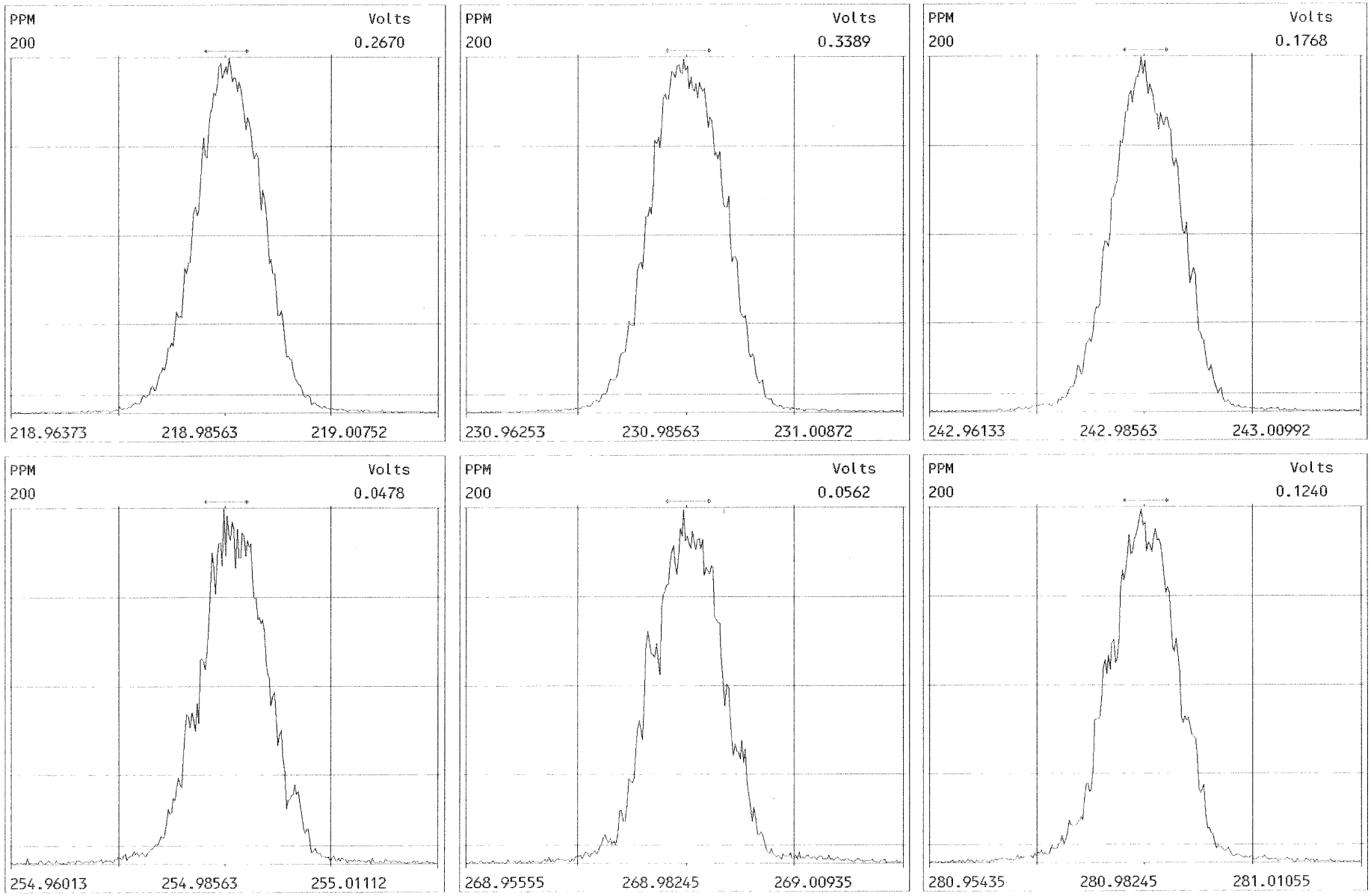




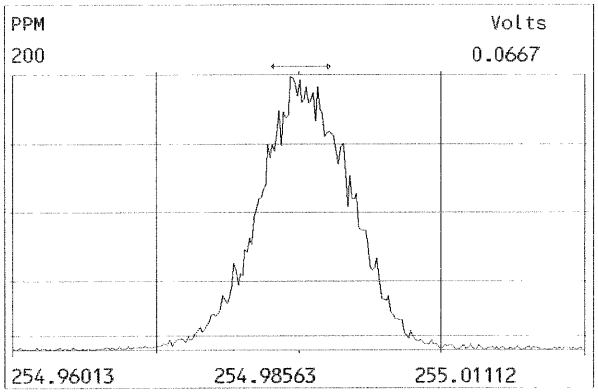


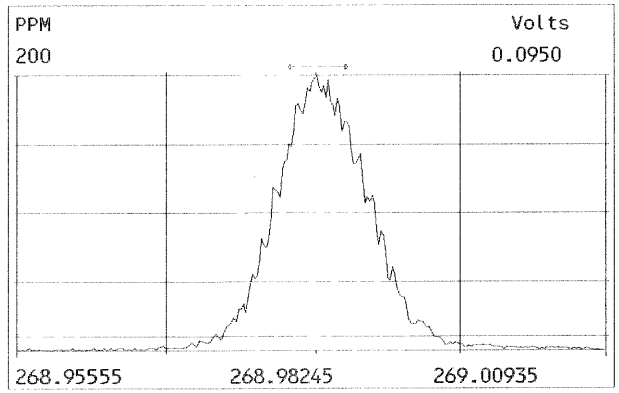
Peak Locate Examination:16-OCT-2020:22:55 File:16OCT20Z_RES_CHECK

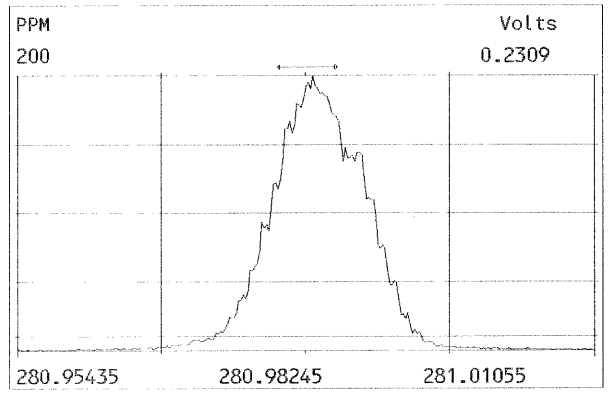
Experiment:1668PCB Function:2 Reference:PFK

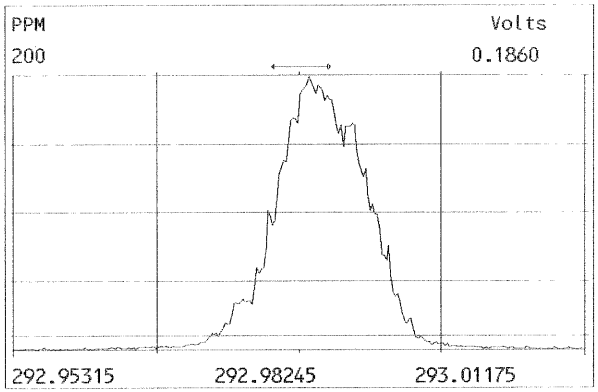


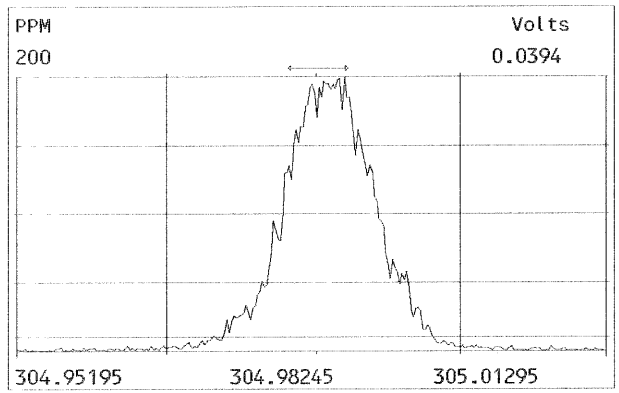
Peak Locate Examination:16-OCT-2020:22:57 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

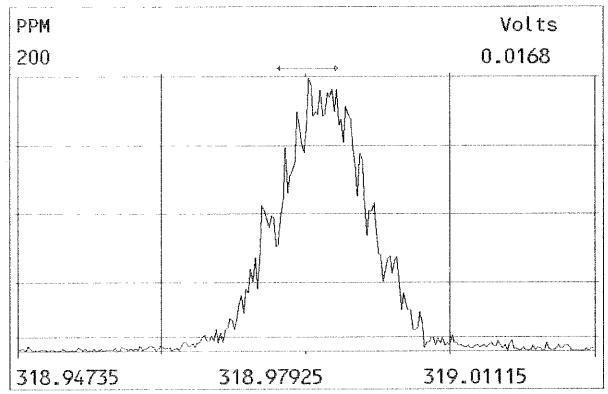


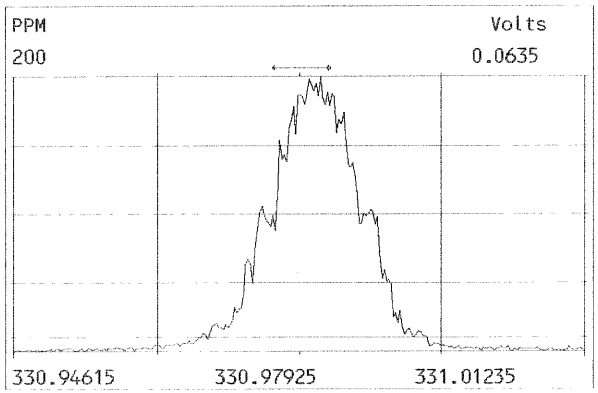


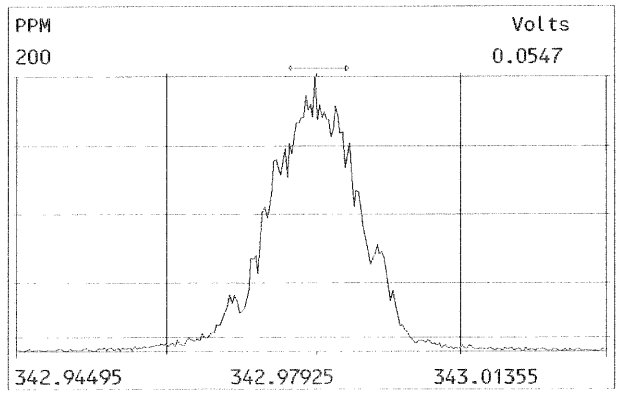




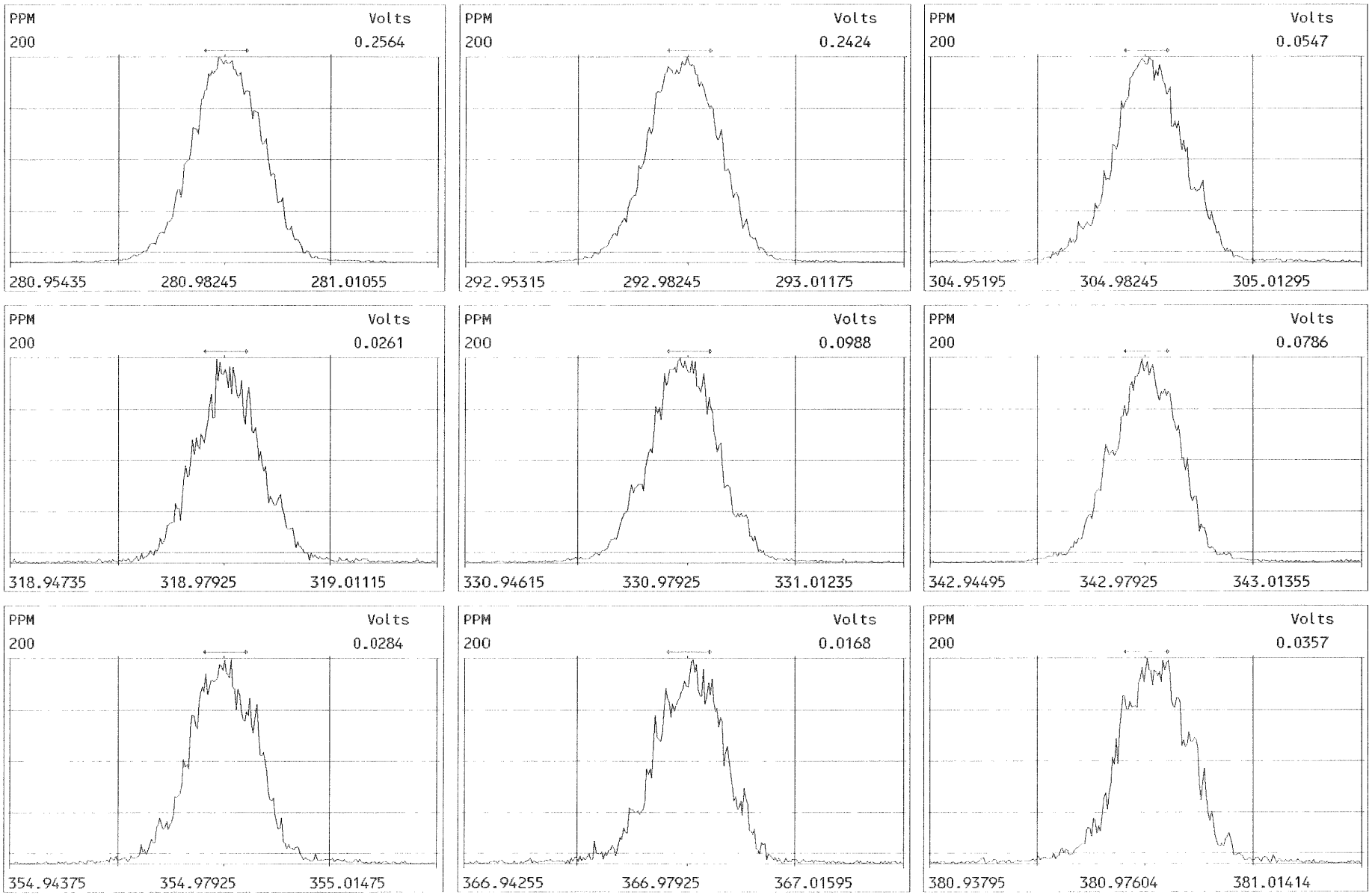




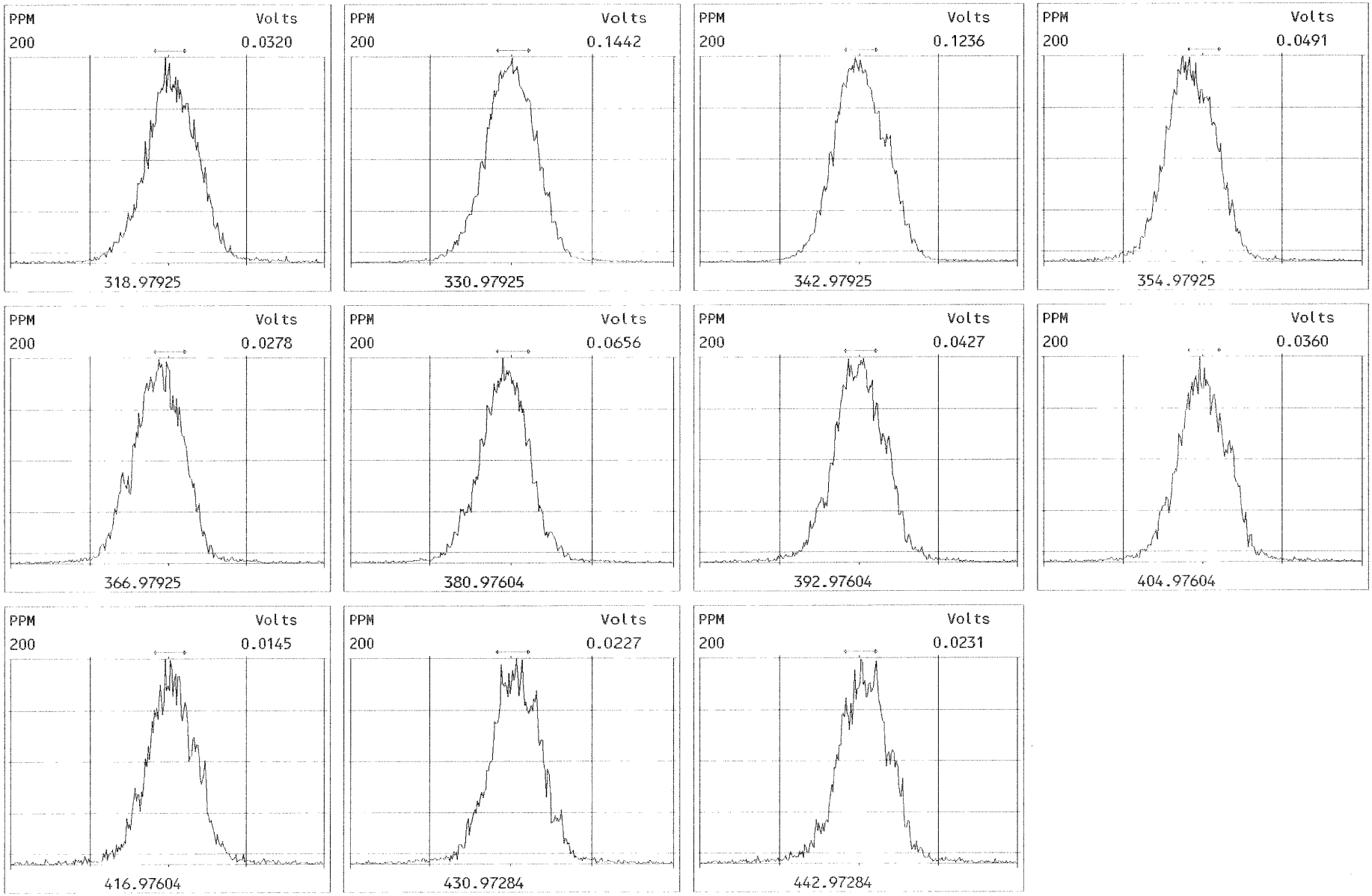




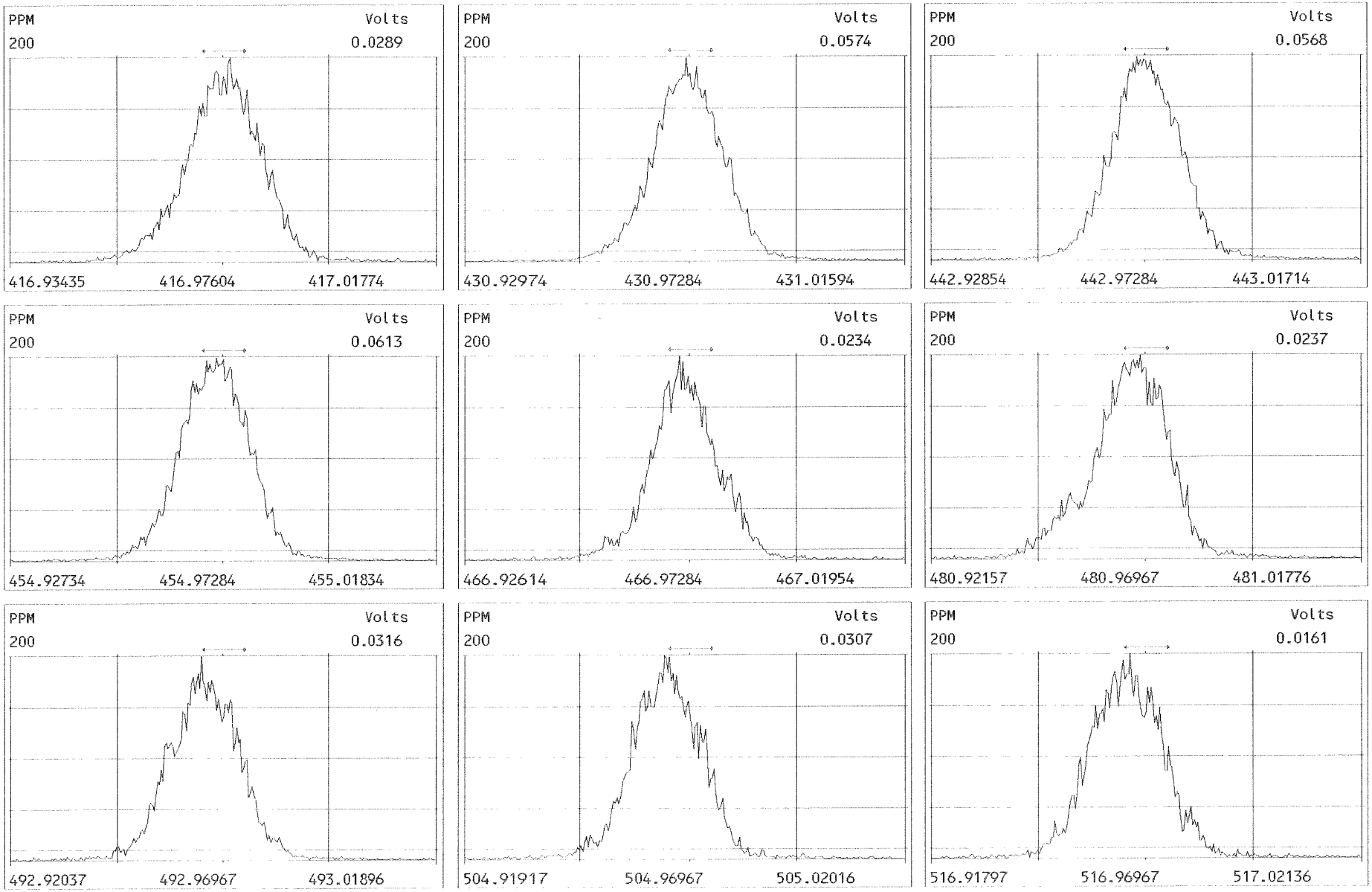
Peak Locate Examination:16-OCT-2020:23:00 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination:16-OCT-2020:23:02 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:16-OCT-2020:23:04 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.27	2.66-3.60	y	60.4	37.5 - 62.5
PCB-3	M/M+2	3.21	2.66-3.60	y	58.3	37.5 - 62.5
PCB-4	M/M+2	1.51	1.33-1.79	y	52.0	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	57.4	37.5 - 62.5
PCB-19	M/M+2	1.12	0.88-1.20	y	58.9	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	53.3	37.5 - 62.5
PCB-54	M/M+2	0.79	0.65-0.89	y	118	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	109	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	124	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	117	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.59	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	208	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	94.5	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	108	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.28	1.05-1.43	y	119	75.0 - 125
PCB-157	M+2/M+4	1.25	1.05-1.43	y	118	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	113	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	119	75.0 - 125
PCB-189	M+2/M+4	1.09	0.89-1.21	y	120	75.0 - 125
PCB-202	M+2/M+4	1.00	0.76-1.02	y	158	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	158	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.38	1.13-1.53	y	168	112.5 - 187.5
PCB-209	M+4/M+6	1.22	0.99-1.33	y	169	112.5 - 187.5

Analyst: _____ Date: 10/19/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 16OCT20Z Sam:15 Analysis Date: 16-OCT-20 21:25:45

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	83.6	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	76.3	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	103	50.0 - 145
13C-PCB-15	M/M+2	1.65	1.33-1.79	y	87.4	50.0 - 145
13C-PCB-19	M/M+2	1.19	0.88-1.20	y	65.6	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	98.2	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	98.5	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	104	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	105	50.0 - 145
13C-PCB-104	M+2/M+4	1.61	1.32-1.78	y	73.6	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	116	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	113	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	114	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	113	50.0 - 145
13C-PCB-155	M+2/M+4	1.36	1.05-1.43	y	80.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.32	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-157	M+2/M+4	1.31	1.05-1.43	y	93.5	50.0 - 145
13C-PCB-167	M+2/M+4	1.32	1.05-1.43	y	93.6	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	96.6	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	72.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.15	0.89-1.21	y	73.4	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	52.9	50.0 - 145
13C-PCB-205	M+2/M+4	0.87	0.76-1.02	y	93.3	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	91.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	86.5	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	74.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.09	0.88-1.20	y	116	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	82.1	75.0 - 125

Analyst: _____ Date: 10/19/20

FAL ID: ST10162OZ2 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST10162OZ1 EndCal: ST10162OZ2
Results: 16OCT20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.70e+07	3.27 y	14:31	1.21	60.4		2.50	-	-	*	-
13C-PCB-1	3.70e+07	3.27 y	14:30	0.90	83.6		2.50				83.6
PCB-3	2.50e+07	3.21 y	16:56	1.23	58.3		2.50	-	-	*	-
13C-PCB-3	3.49e+07	3.32 y	16:55	0.93	76.3		2.50				76.3
PCB-4	1.98e+07	1.51 y	18:11	1.14	52.0		2.50	-	-	*	-
13C-PCB-4	3.34e+07	1.61 y	18:09	0.66	103		2.50				103
PCB-15	2.93e+07	1.53 y	23:41	1.09	57.4		2.50	-	-	*	-
13C-PCB-15	4.67e+07	1.65 y	23:39	1.09	87.4		2.50				87.4
PCB-19	1.16e+07	1.12 y	22:03	1.21	58.9		2.50	-	-	*	-
13C-PCB-19	1.63e+07	1.19 y	22:01	0.50	65.6		2.50				65.6
13C-PCB-9	4.92e+07	1.65 y	19:49	-	48.2		2.50				
PCB-37	2.20e+07	1.09 y	30:20	1.14	53.3		2.50	-	-	*	-
13C-PCB-37	3.61e+07	1.09 y	30:17	1.64	98.2		2.50				98.2
PCB-54	3.89e+07	0.79 y	25:35	1.18	118		2.50	-	-	*	-
13C-PCB-54	2.78e+07	0.82 y	25:34	1.26	98.5		2.50				98.5
PCB-104	2.19e+07	1.55 y	30:01	1.12	117		2.50	-	-	*	-
13C-PCB-104	1.68e+07	1.61 y	29:60	1.02	73.6		2.50				73.6
13C-PCB-28	4.50e+07	1.09 y	26:37	1.73	116		2.50				116
13C-PCB-52	2.24e+07	0.78 y	28:54	-	42.1		2.50				
PCB-81	4.88e+07	0.80 y	36:05	1.13	124		2.50	-	-	*	-
13C-PCB-81	3.48e+07	0.81 y	36:03	1.57	105		2.50				105
PCB-77	4.27e+07	0.82 y	36:39	1.10	109		2.50	-	-	*	-
13C-PCB-77	3.56e+07	0.80 y	36:38	1.61	104		2.50				104
PCB-155	2.39e+07	1.29 y	34:10	1.13	112		2.50	-	-	*	-
13C-PCB-155	1.87e+07	1.36 y	34:08	1.10	80.1		2.50				80.1
13C-PCB-111	2.72e+07	1.63 y	36:14	1.27	101		2.50				101
13C-PCB-101	2.12e+07	1.65 y	34:35	-	44.5		2.50				
PCB-123	3.74e+07	1.60 y	38:16	1.11	94.5		2.50	-	-	*	-
13C-PCB-123	3.57e+07	1.58 y	38:16	1.28	114		2.50				114
PCB-118	8.69e+07	1.61 y	38:29	1.12	208		2.50	-	-	*	-
13C-PCB-118	3.73e+07	1.60 y	38:26	1.35	113		2.50				113
PCB-114	4.25e+07	1.59 y	39:04	1.13	106		2.50	-	-	*	-
13C-PCB-114	3.56e+07	1.61 y	39:02	1.29	113		2.50				113
PCB-105	4.43e+07	1.58 y	39:53	1.10	110		2.50	-	-	*	-
13C-PCB-105	3.63e+07	1.58 y	39:52	1.28	116		2.50				116
PCB-126	3.96e+07	1.60 y	42:00	1.08	108		2.50	-	-	*	-
13C-PCB-126	3.39e+07	1.59 y	41:58	1.23	113		2.50				113
PCB-167	3.50e+07	1.26 y	43:22	1.11	113		2.50	-	-	*	-
13C-PCB-167	2.81e+07	1.32 y	43:21	1.23	93.6		2.50				93.6
PCB-156	3.60e+07	1.28 y	44:35	1.13	119		2.50	-	-	*	-
13C-PCB-156	2.68e+07	1.32 y	44:35	1.19	92.4		2.50				92.4
PCB-157	3.54e+07	1.25 y	44:51	1.08	118		2.50	-	-	*	-
13C-PCB-157	2.77e+07	1.31 y	44:50	1.21	93.5		2.50				93.5
PCB-169	3.35e+07	1.26 y	46:43	1.08	112		2.50	-	-	*	-
13C-PCB-169	2.76e+07	1.29 y	46:41	1.17	96.6		2.50				96.6
PCB-188	2.63e+07	1.07 y	39:40	1.10	119		2.50	-	-	*	-
13C-PCB-188	2.01e+07	1.10 y	39:38	1.13	72.9		2.50				72.9
PCB-189	2.21e+07	1.09 y	48:24	1.07	120		2.50	-	-	*	-
13C-PCB-189	1.73e+07	1.15 y	48:22	0.97	73.4		2.50				73.4
PCB-202	2.00e+07	1.00 y	44:46	1.03	158		2.50	-	-	*	-
13C-PCB-202	1.23e+07	0.93 y	44:45	0.96	52.9		2.50				52.9
13C-PCB-178	1.56e+07	1.09 y	42:16	0.78	82.1		2.50				82.1
13C-PCB-138	2.44e+07	1.30 y	41:30	-	50.8		2.50				

FAL ID: ST10162OZ2 Filename: 16OCT20Z Sam:15 Acquired: 16-OCT-20 21:25:45 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST10162OZ1 EndCal: ST10162OZ2
Results: 16OCT20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.41e+07	0.93	y	50:03	1.09	158	2.50	-	-	*	-
13C-PCB-205	3.15e+07	0.87	y	50:02	1.32	93.3	2.50				93.3
PCB-208	5.18e+07	1.38	y	49:07	1.01	168	2.50	-	-	*	-
13C-PCB-208	3.05e+07	0.80	y	49:07	1.38	86.5	2.50				86.5
PCB-206	3.74e+07	1.32	y	51:15	1.04	164	2.50	-	-	*	-
13C-PCB-206	2.20e+07	0.80	y	51:14	0.94	91.6	2.50				91.6
PCB-209	4.01e+07	1.22	y	52:26	1.13	169	2.50	-	-	*	-
13C-PCB-209	2.11e+07	1.21	y	52:25	1.10	74.6	2.50				74.6
13C-PCB-194	2.56e+07	0.90	y	49:47	-	67.3	2.50				

Analyst: _____ Date: 10/19/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:16OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

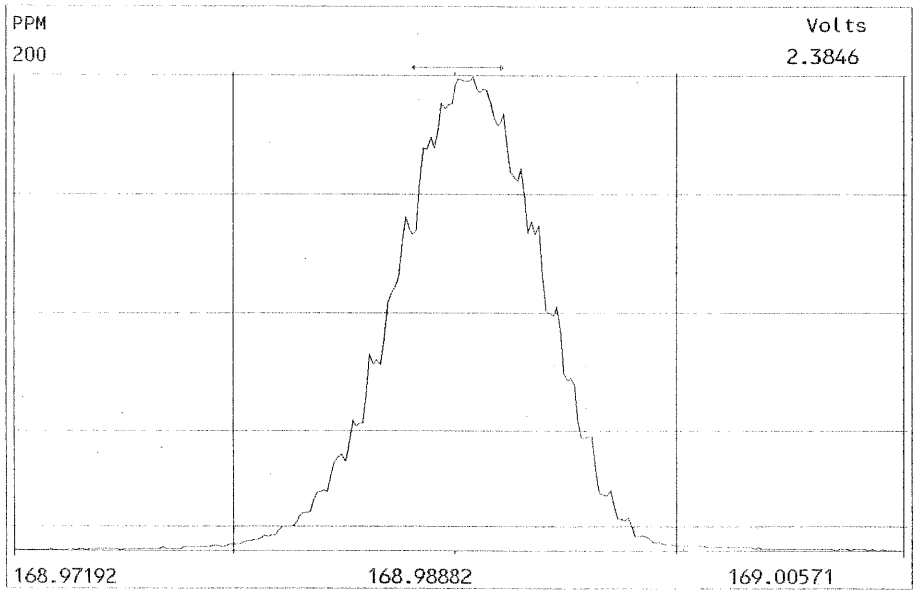
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
16OCT20Z	1	ST101620Z1	CS209 200406A	16-OCT-20 07:48:25	ST101620Z1	ST101620Z2	BS
16OCT20Z	2	05478-001-0001-OPR	OPR	16-OCT-20 08:46:45	ST101620Z1	ST101620Z2	BS
16OCT20Z	3	05478-001-0001-MB	Method Blank	16-OCT-20 09:45:06	ST101620Z1	ST101620Z2	BS
16OCT20Z	4	13387-001-0001-SA	202010070231	16-OCT-20 10:43:27	ST101620Z1	ST101620Z2	BS
16OCT20Z	5	13390-001-0001-SA	EFF-002	16-OCT-20 11:41:48	ST101620Z1	ST101620Z2	BS
16OCT20Z	6	13392-001-0001-SA	Effluent	16-OCT-20 12:40:10	ST101620Z1	ST101620Z2	BS
16OCT20Z	7	05483-001-0001-OPR	OPR	16-OCT-20 13:38:31	ST101620Z1	ST101620Z2	BS
16OCT20Z	8	05483-001-0001-MB	Method Blank	16-OCT-20 14:37:16	ST101620Z1	ST101620Z2	BS
16OCT20Z	9	13372-003-0001-SA	LDW-Y3-SC-ENR+AC-S010-DEP	16-OCT-20 15:35:38	ST101620Z1	ST101620Z2	BS
16OCT20Z	10	13372-004-0001-SA	LDW-Y3-SC-ENR-CA-S010	16-OCT-20 16:33:59	ST101620Z1	ST101620Z2	BS
16OCT20Z	11	13372-005-0001-SA	LDW-Y3-SC-ENR-CA-S010-LONG	16-OCT-20 17:32:20	ST101620Z1	ST101620Z2	BS
16OCT20Z	12	13372-009-0001-SA	LDW-Y3-SC-ENR-CC-S010-LONG	16-OCT-20 18:30:41	ST101620Z1	ST101620Z2	BS
16OCT20Z	13	13372-010-0001-SA	LDW-Y3-SC-ENR-CD-S010	16-OCT-20 19:29:03	ST101620Z1	ST101620Z2	BS
16OCT20Z	14	SB101620Z1	Solvent Blank	16-OCT-20 20:27:23	ST101620Z1	ST101620Z2	BS
16OCT20Z	15	ST101620Z2	CS209 200406A	16-OCT-20 21:25:45	ST101620Z1	ST101620Z2	BS

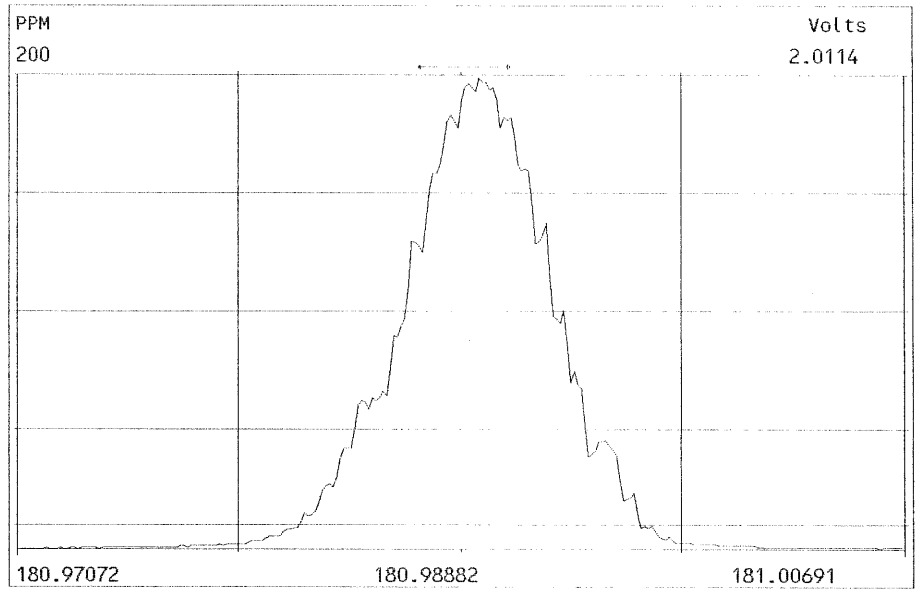
10/19/20

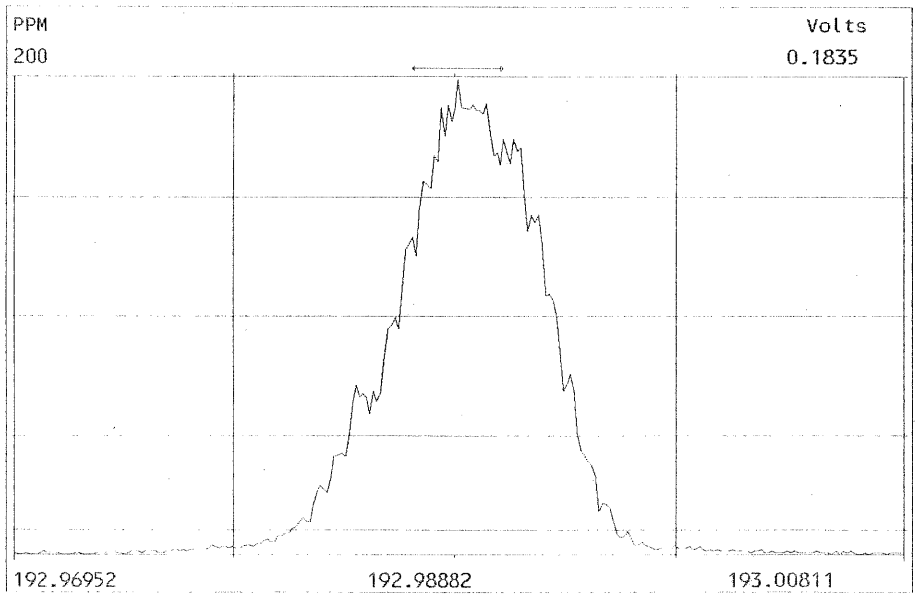
Data Backed Up:_____

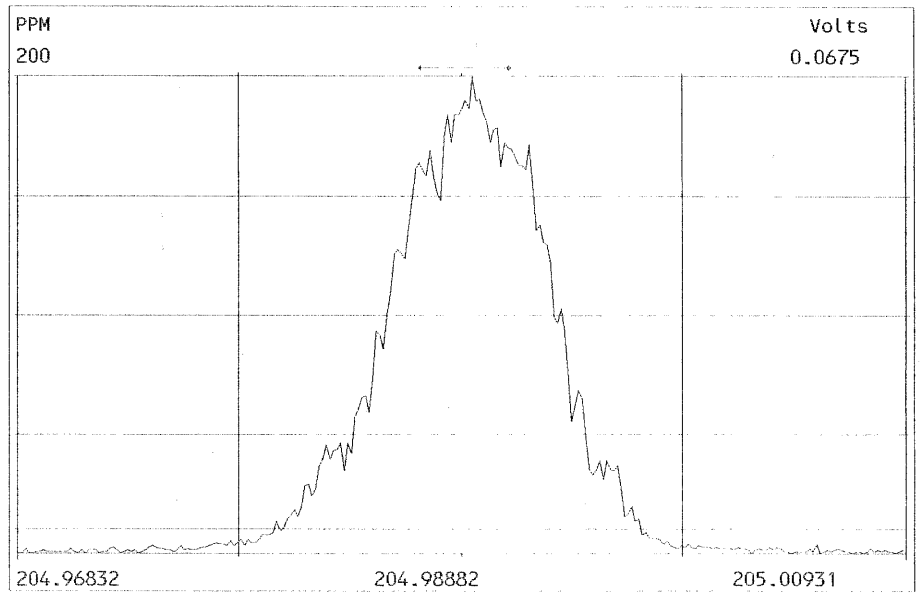
Date:_____

Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

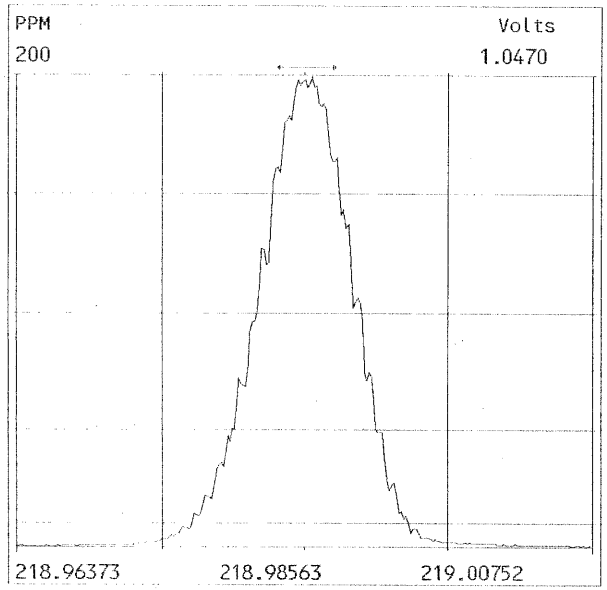


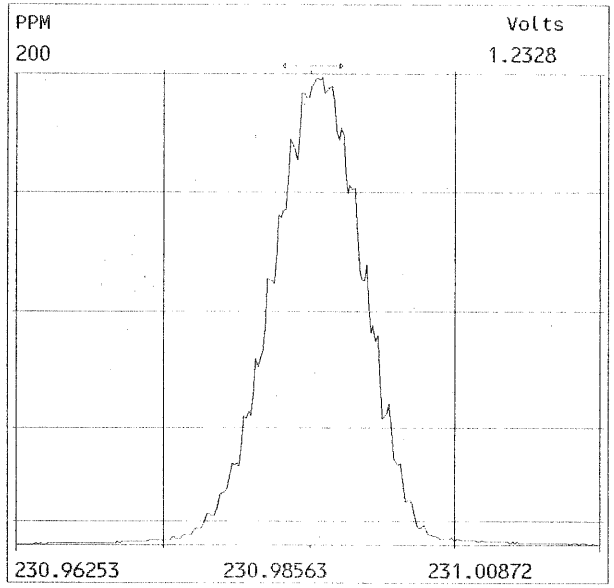


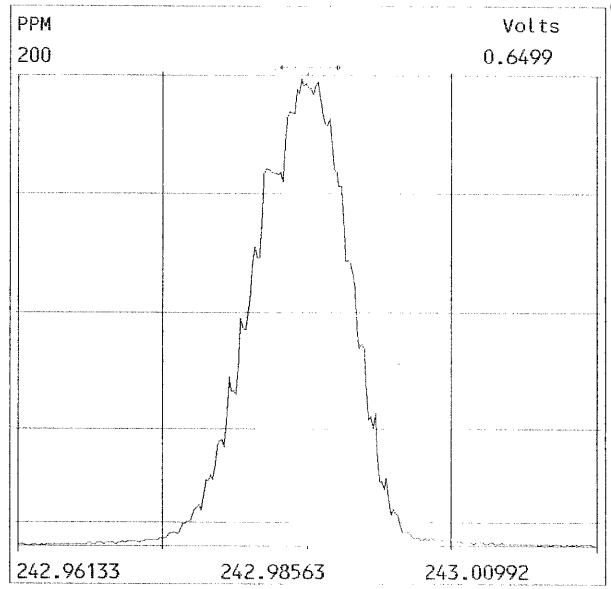


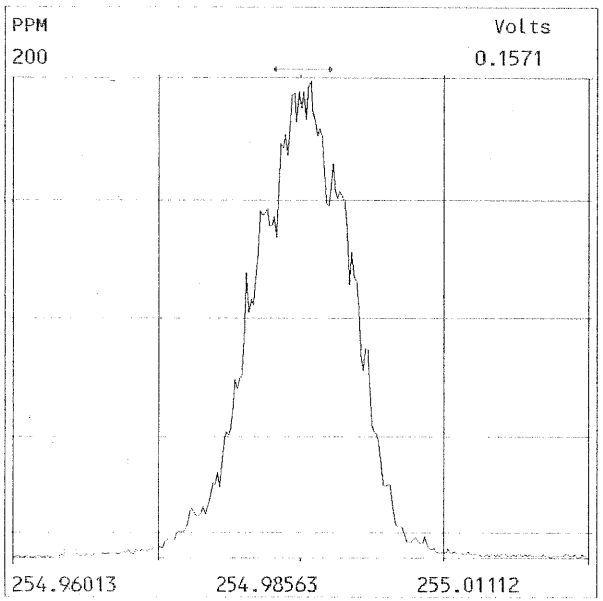


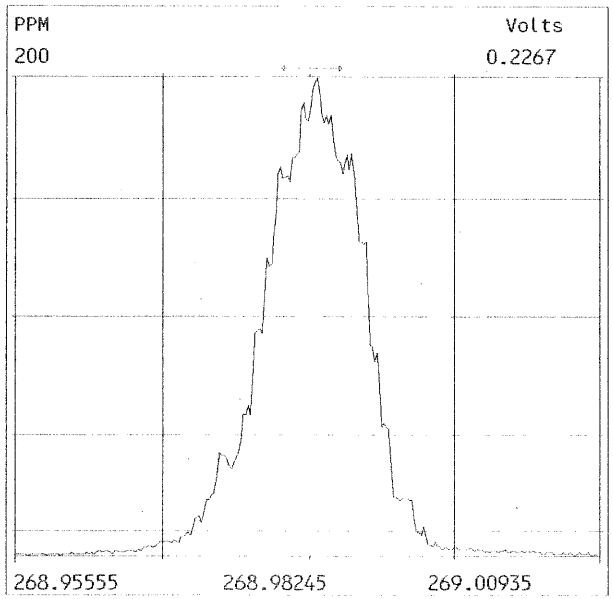
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

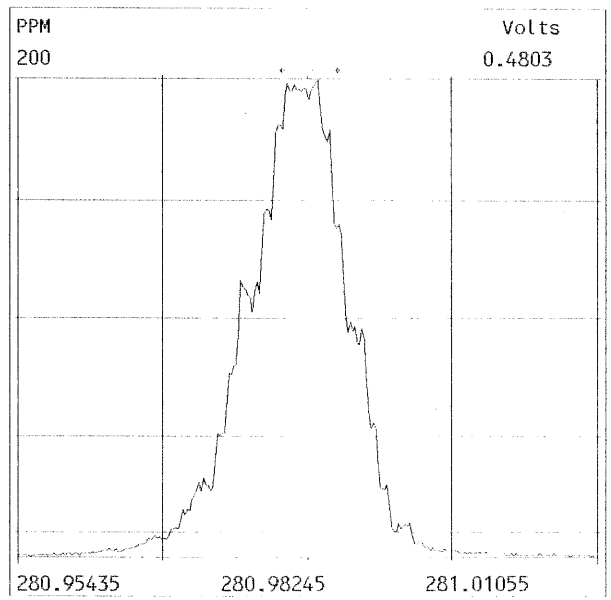






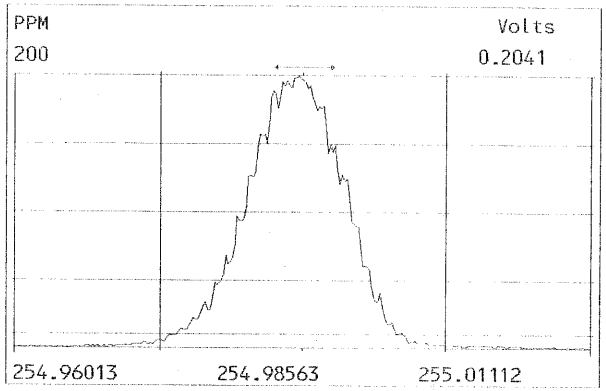


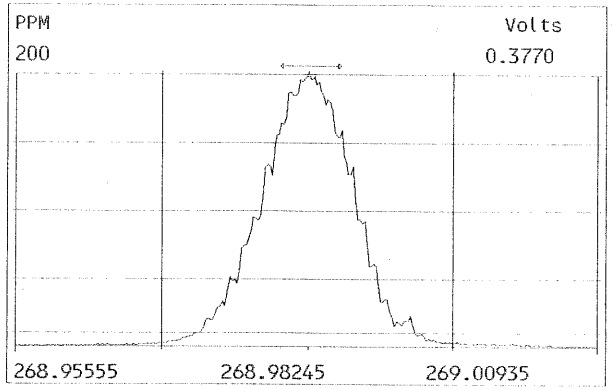


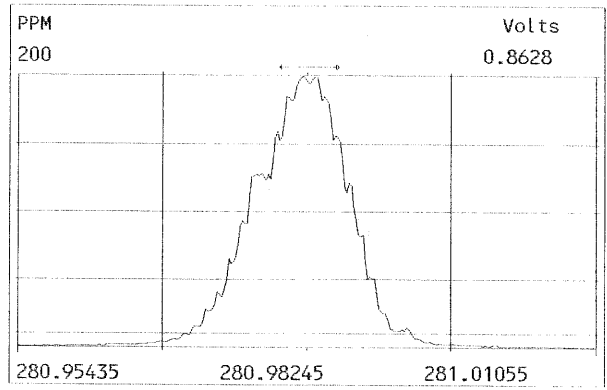


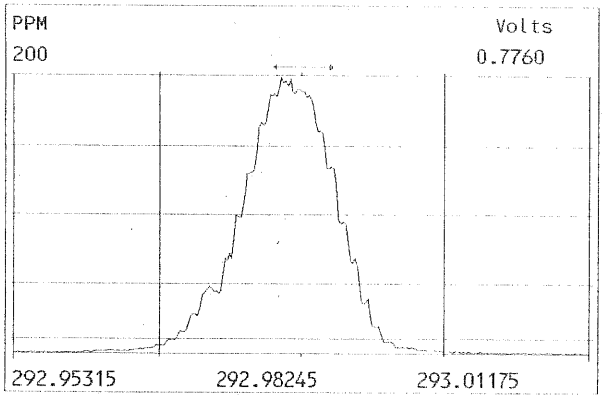
Peak Locate Examination:16-OCT-2020:07:45 File:16OCT20Z

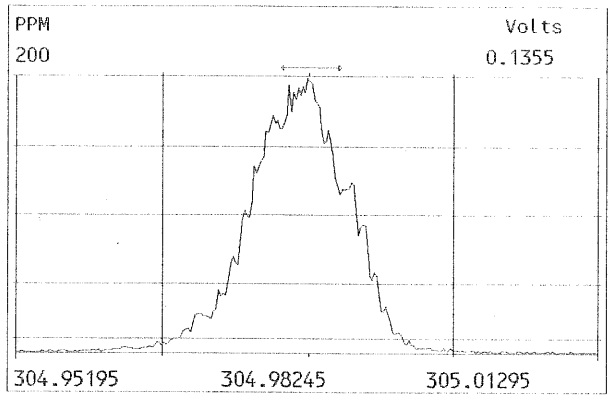
Experiment:1668PCB Function:3 Reference:PFK

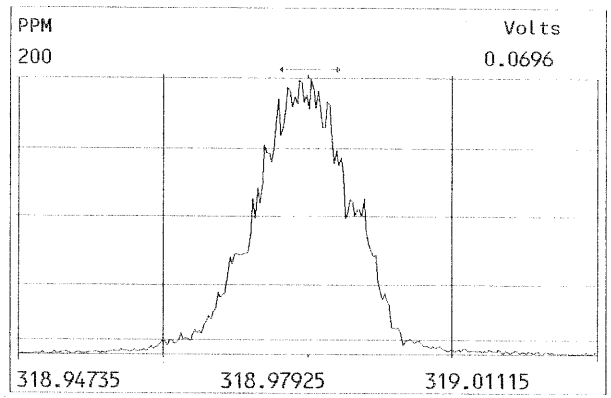


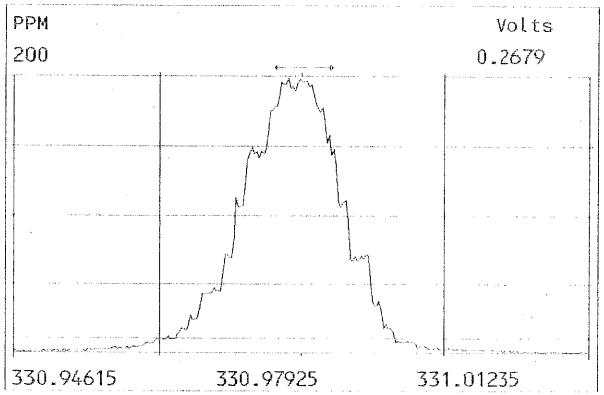


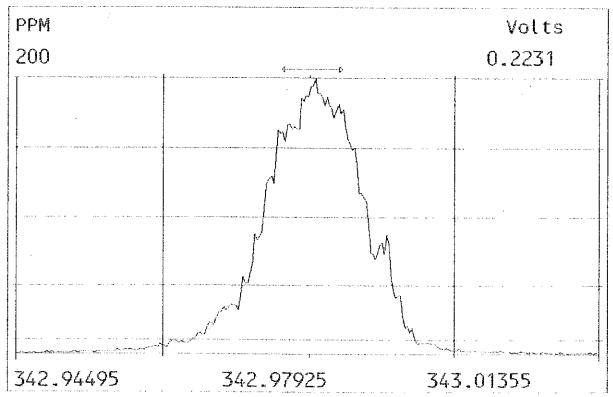




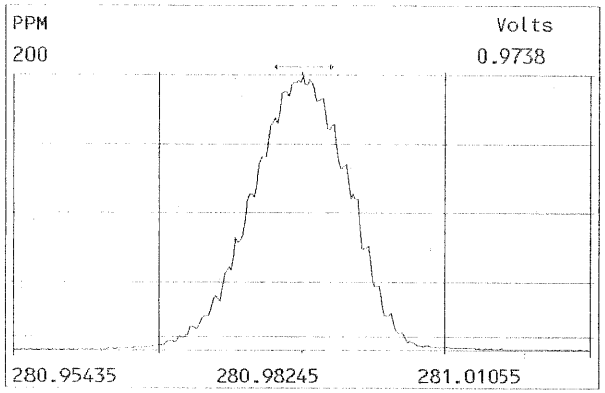


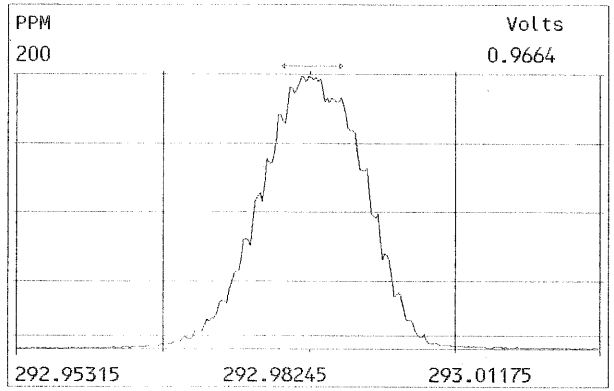


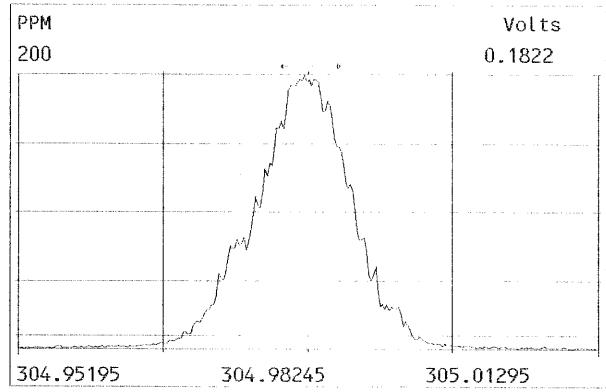


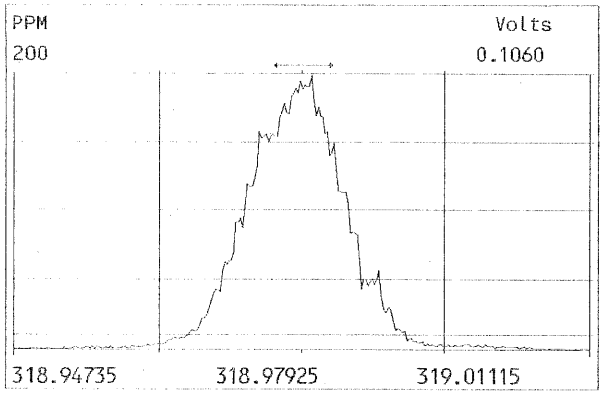


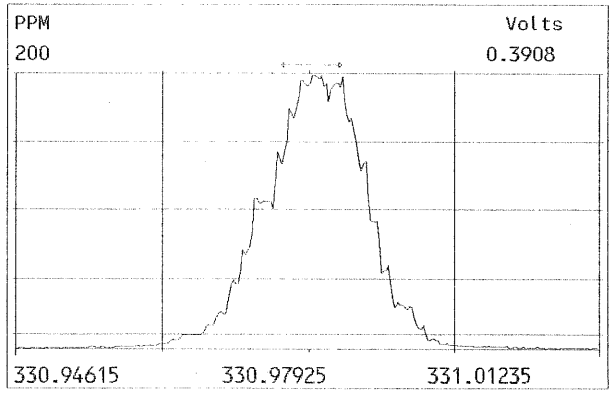
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

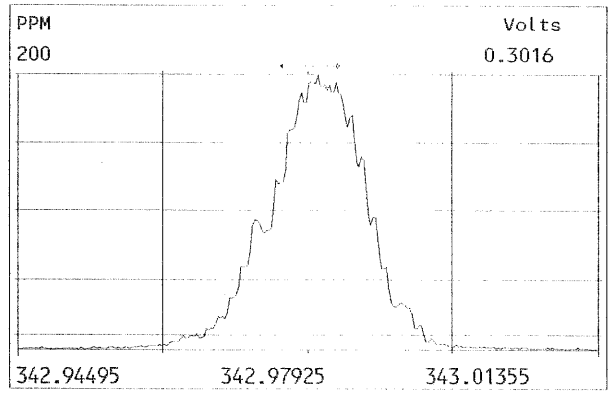


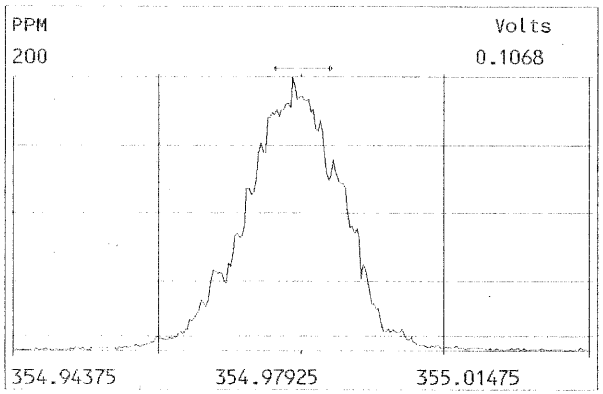


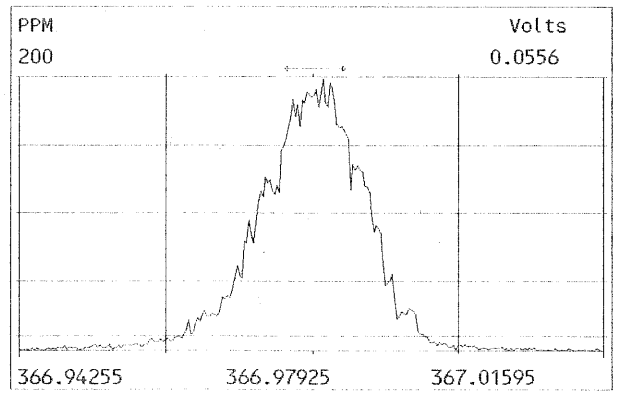


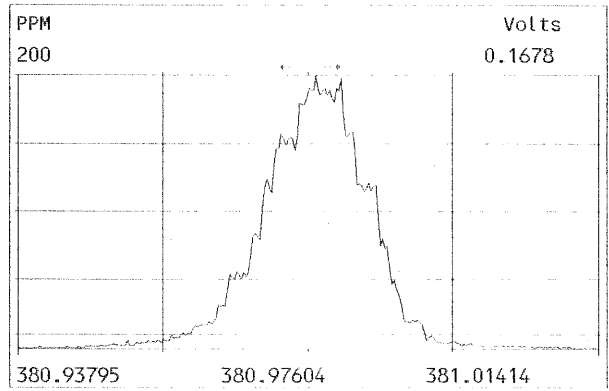






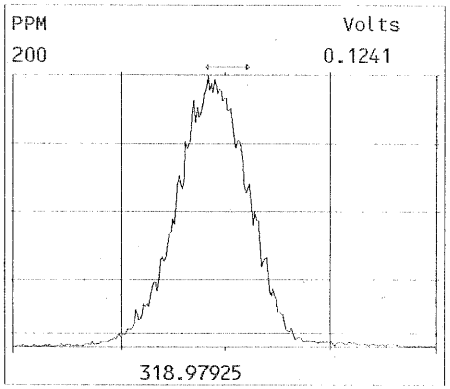


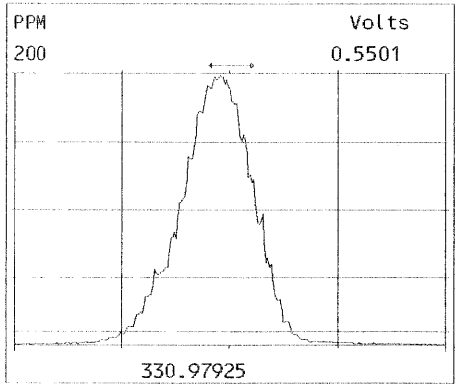


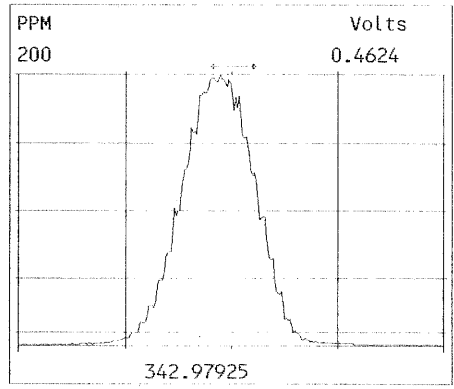


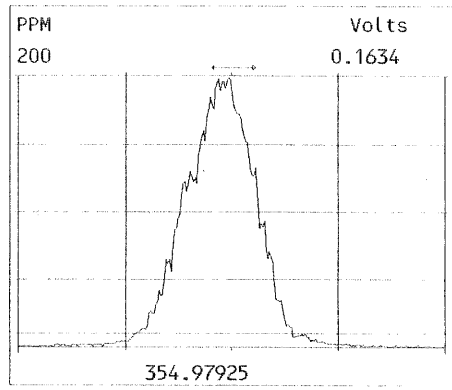
Peak Locate Examination:16-OCT-2020:07:46 File:16OCT20Z

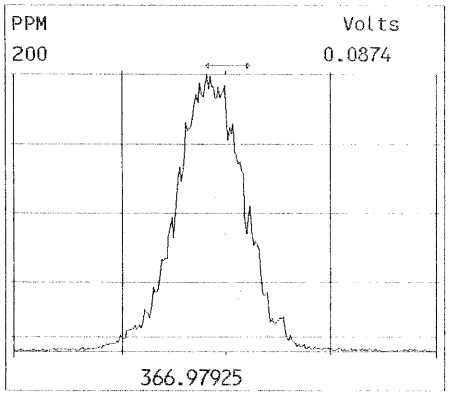
Experiment:1668PCB Function:5 Reference:PFK

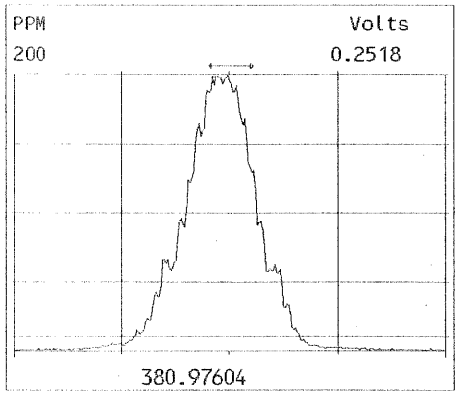


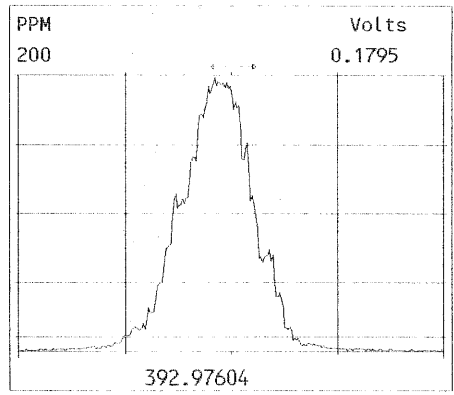


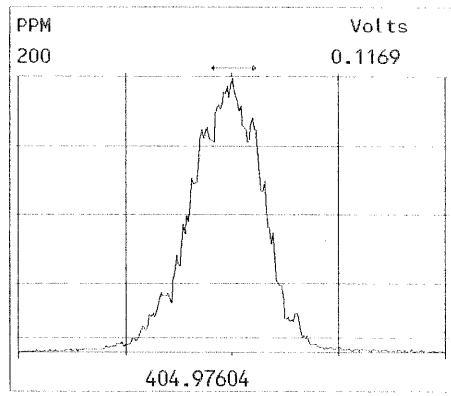


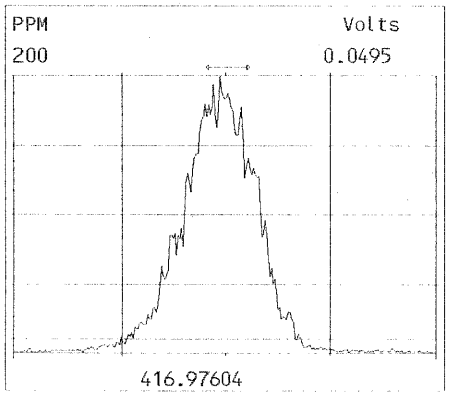


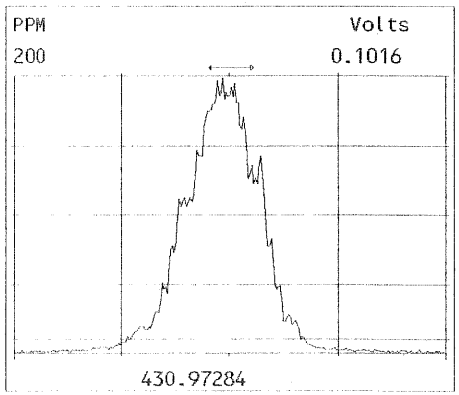


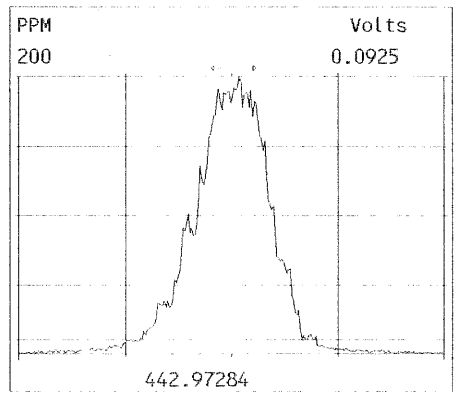




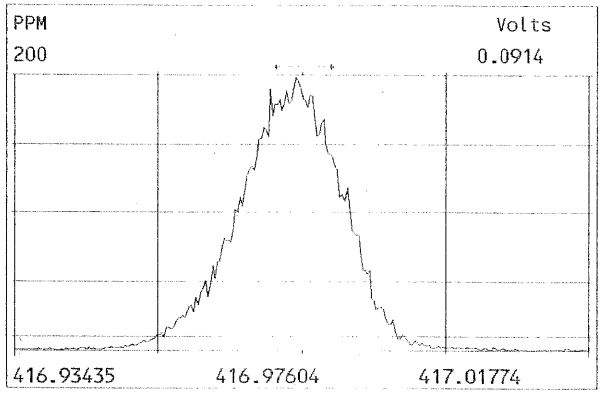


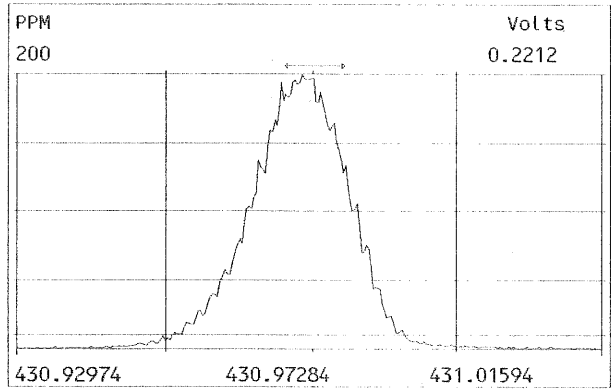


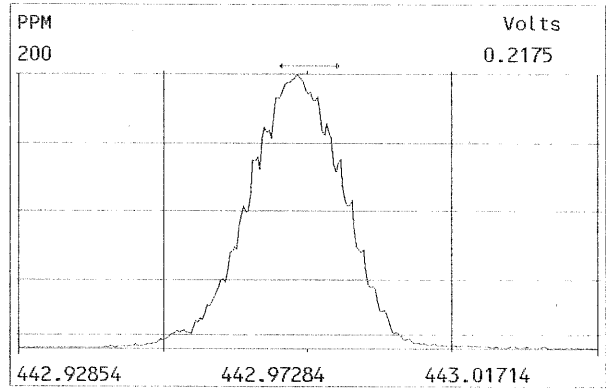


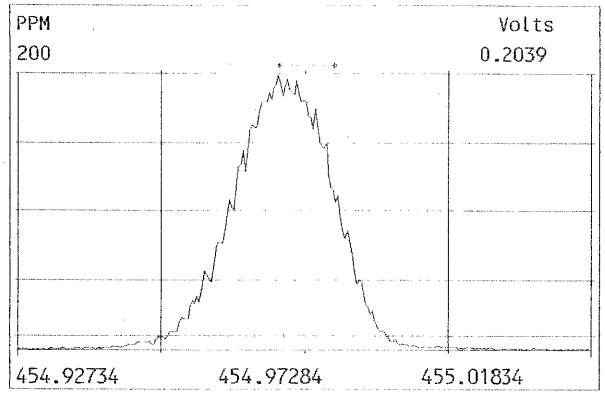


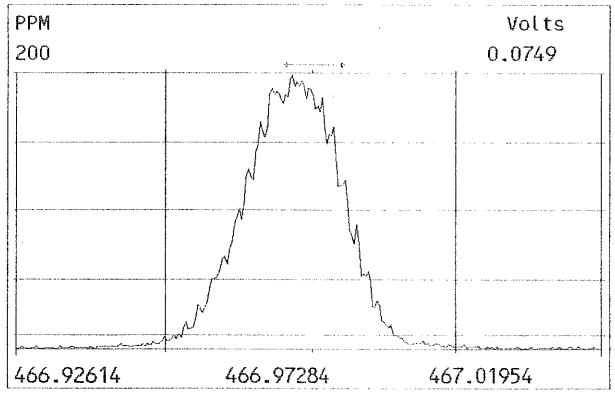
Peak Locate Examination:16-OCT-2020:07:47 File:16OCT20Z
Experiment:1668PCB Function:6 Reference:PFK

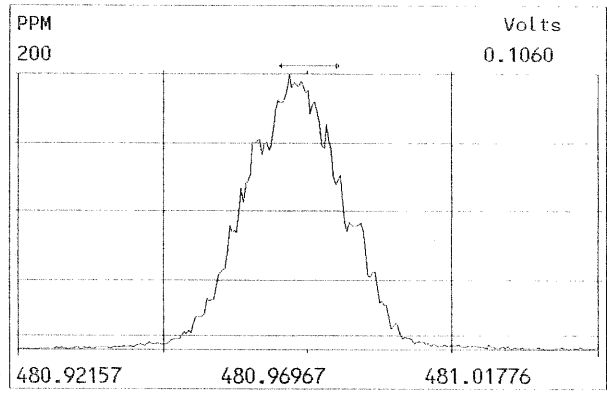


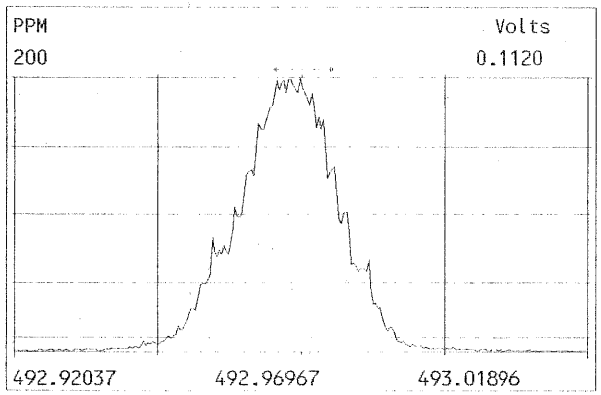


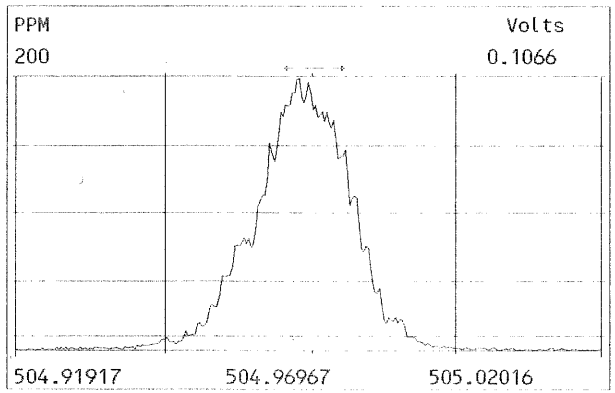


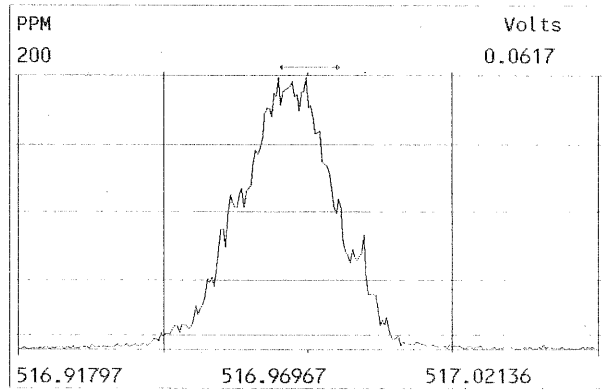




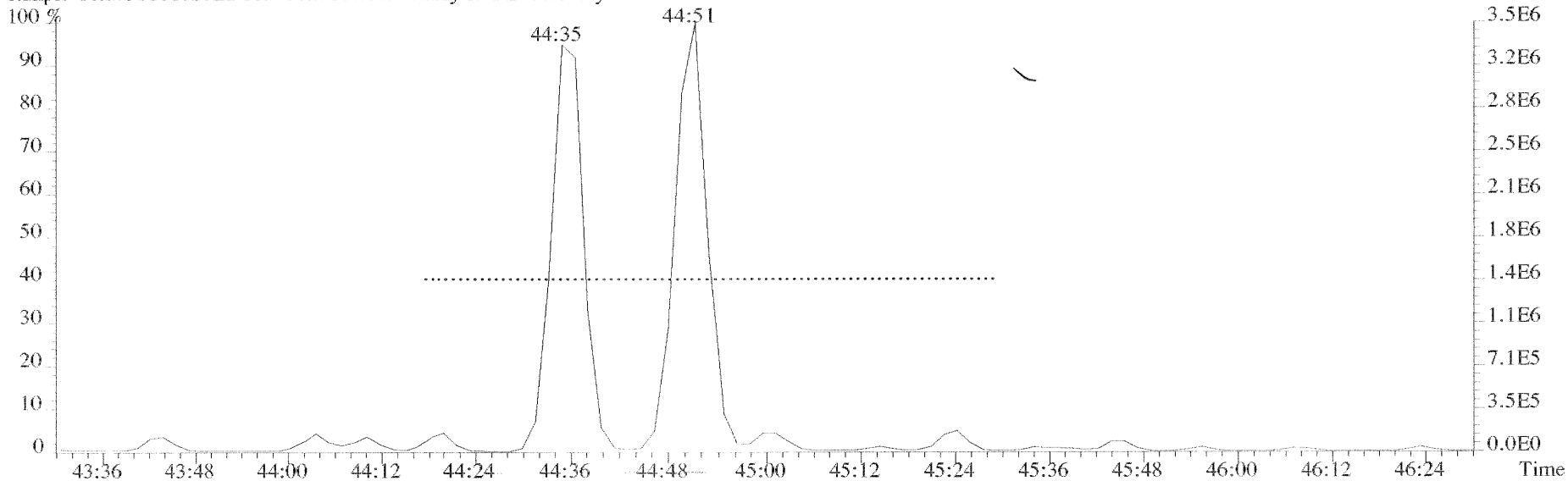




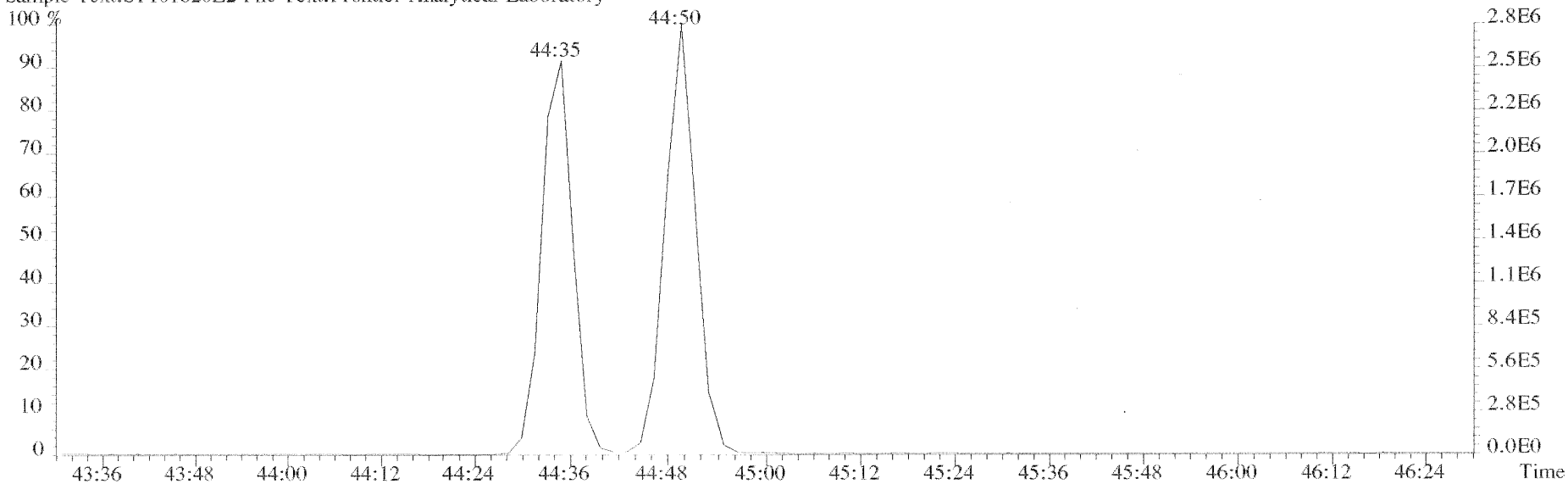




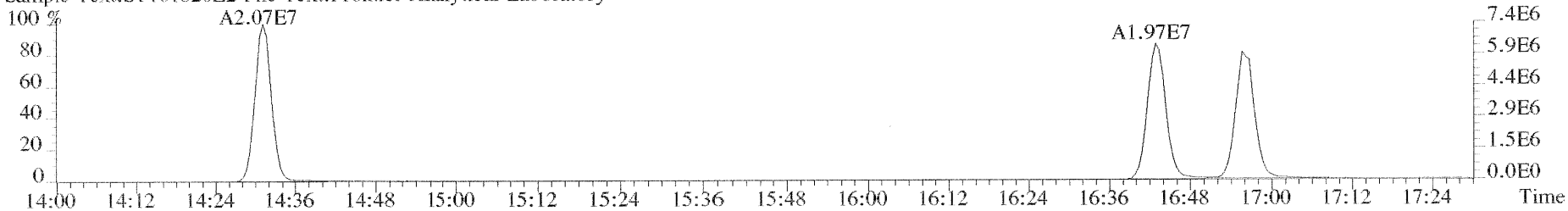
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



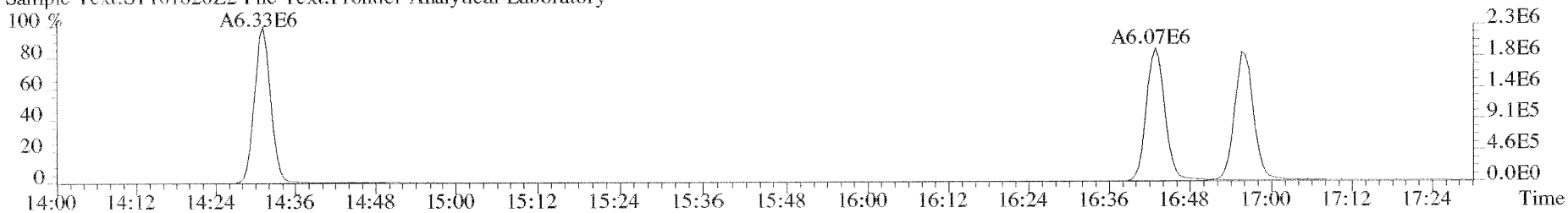
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



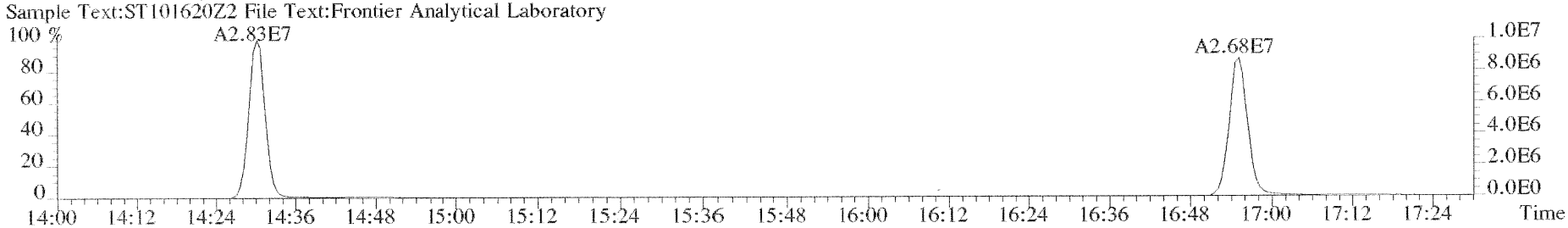
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



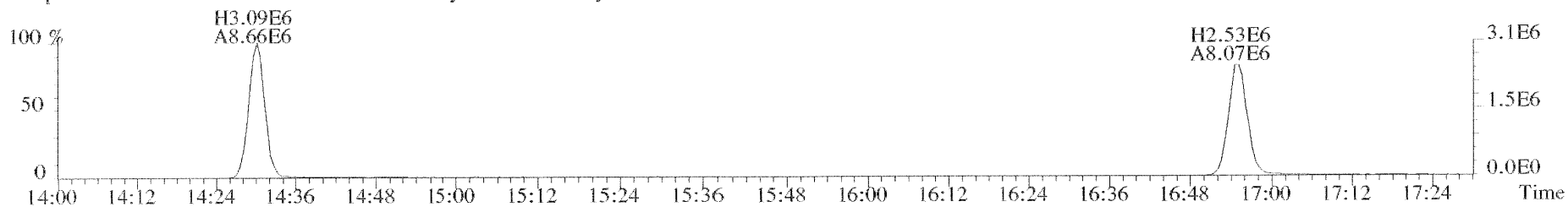
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



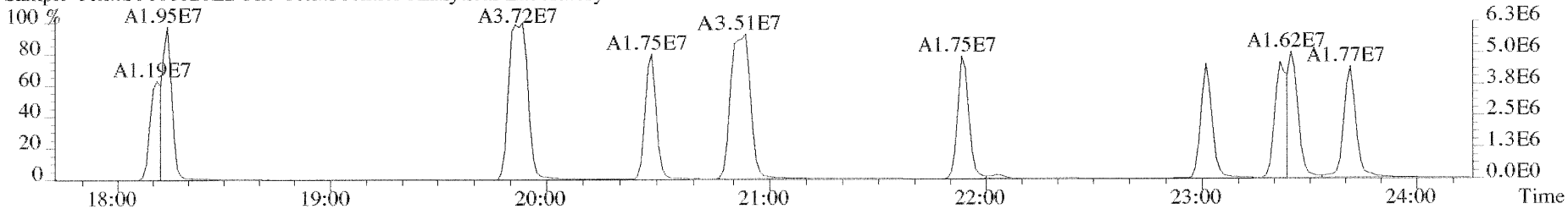
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



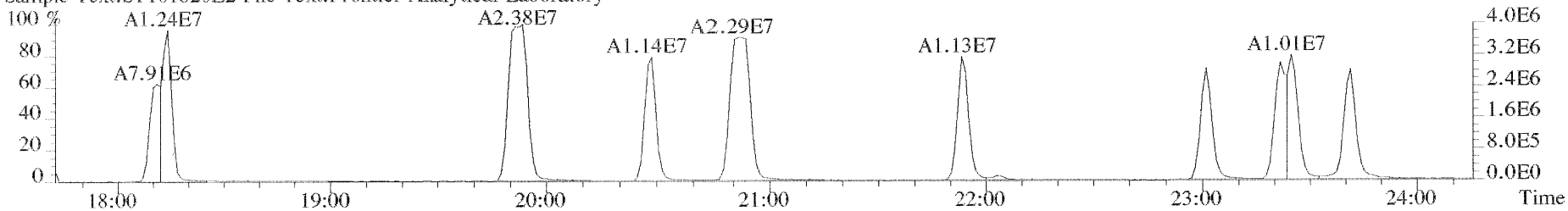
File:16OCT20Z #1-784 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



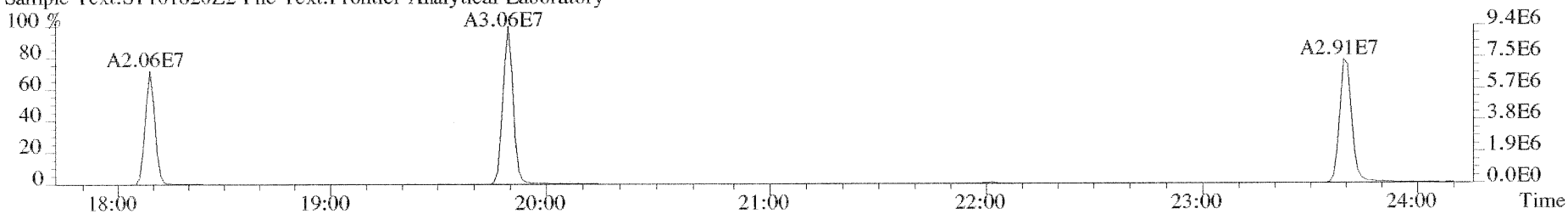
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



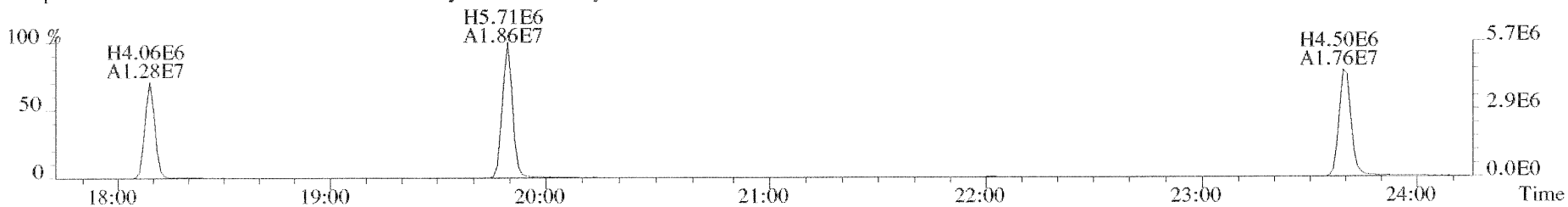
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



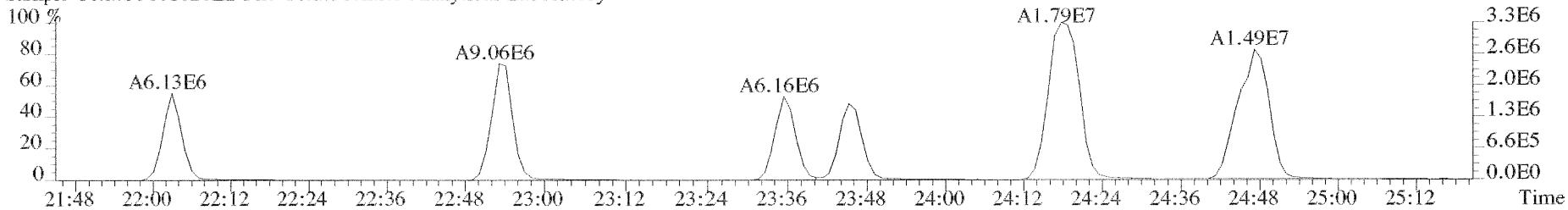
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



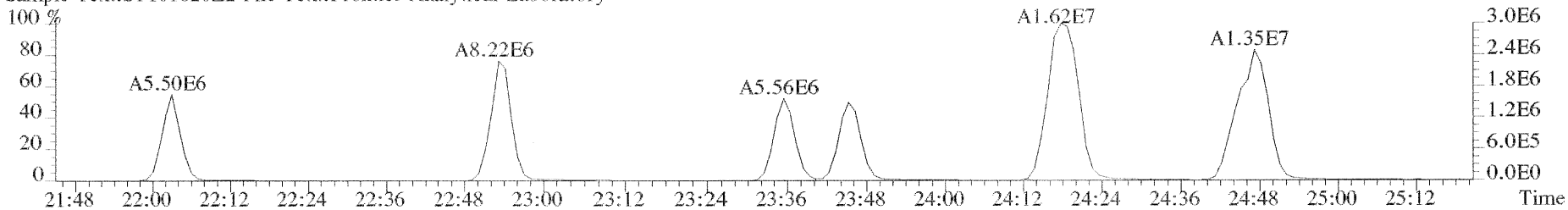
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



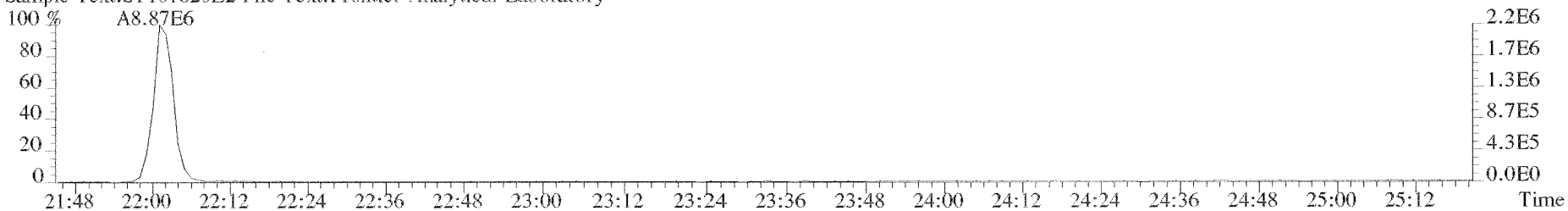
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



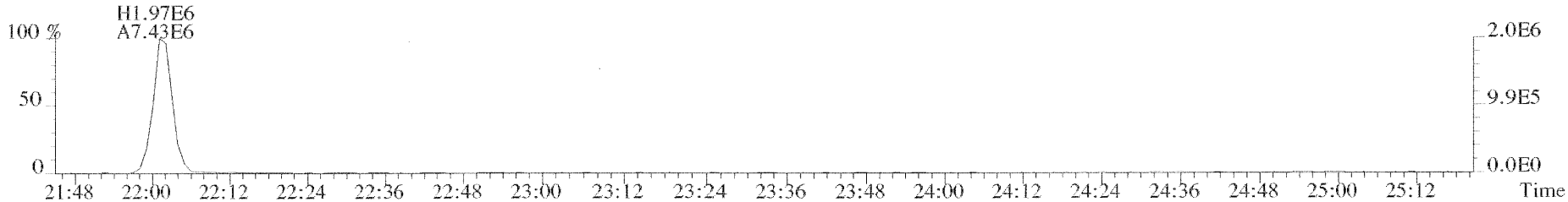
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



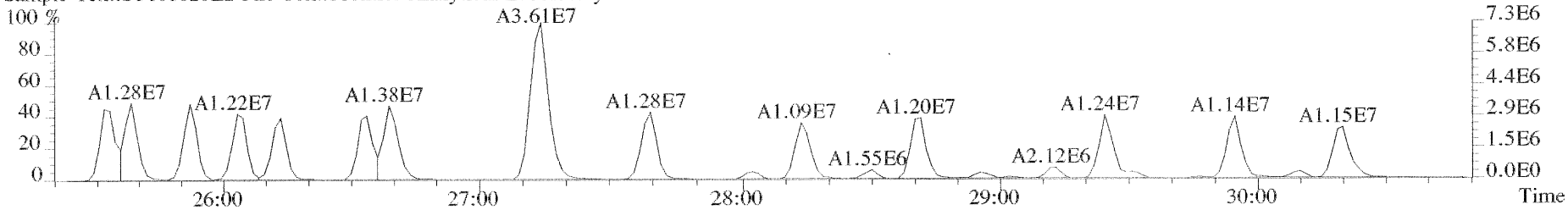
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



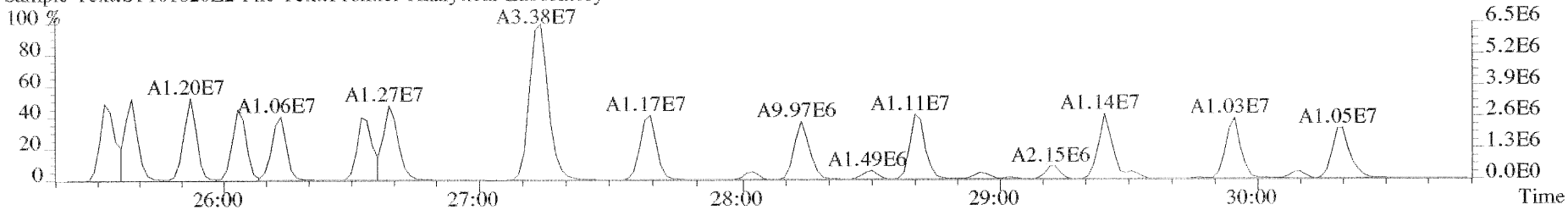
File:16OCT20Z #1-467 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



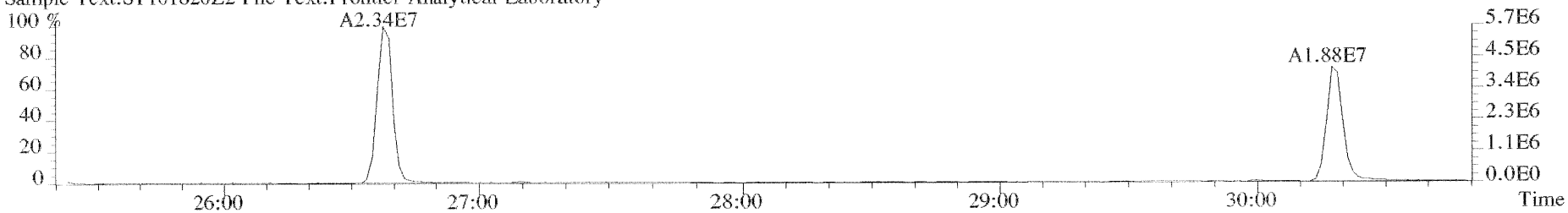
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



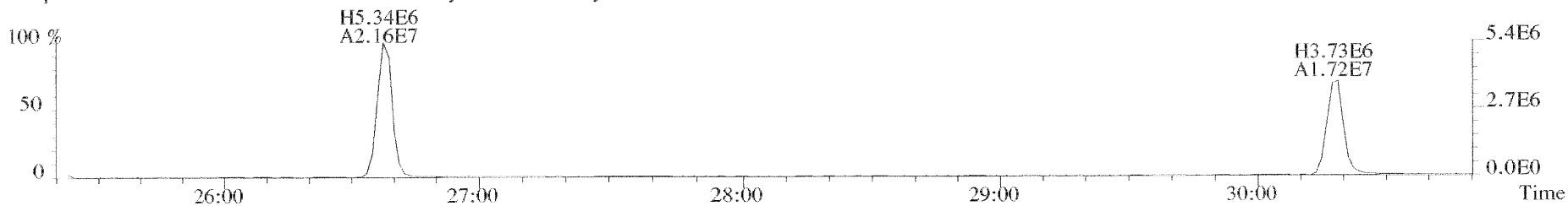
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



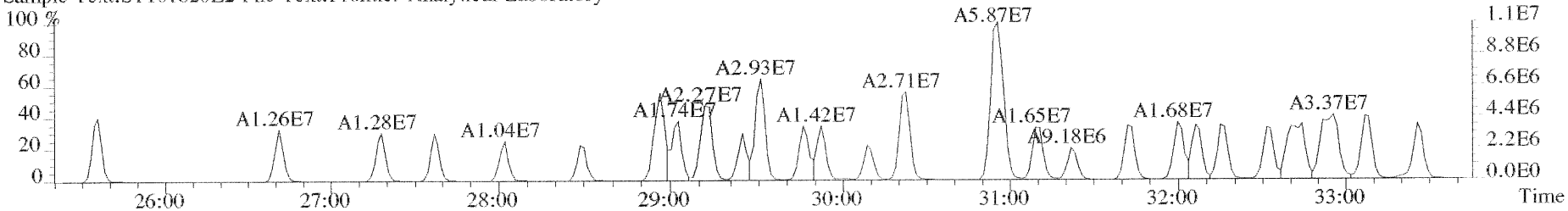
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



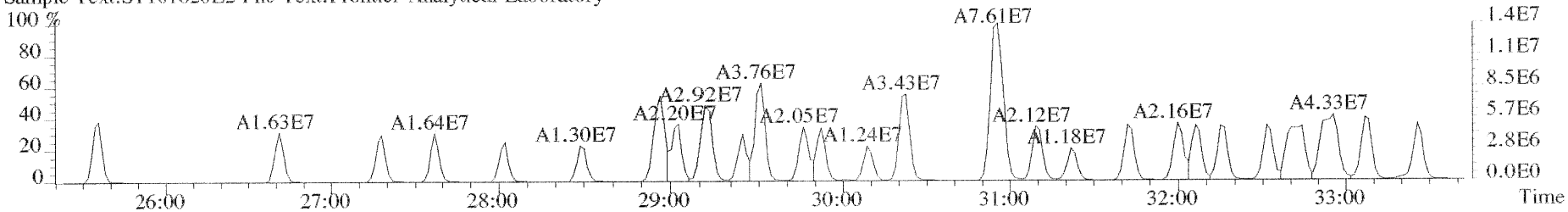
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



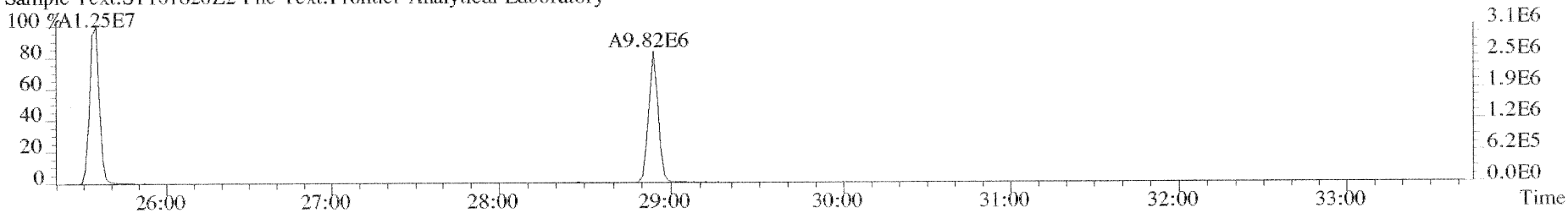
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



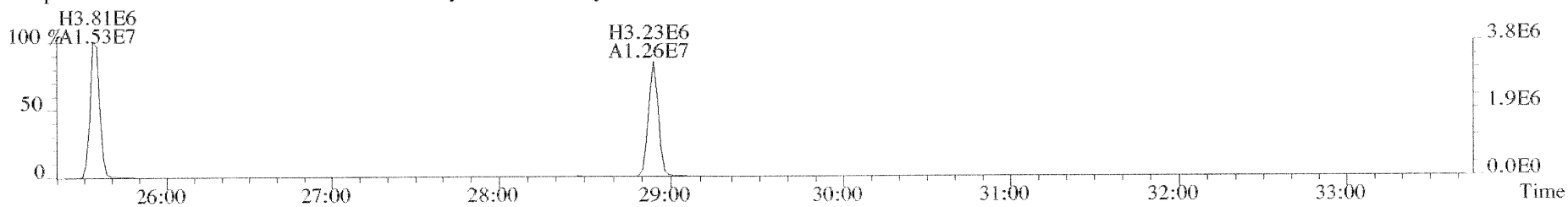
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



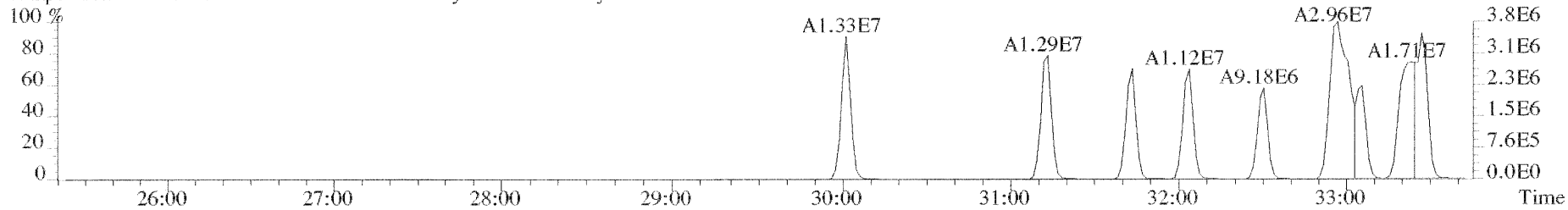
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



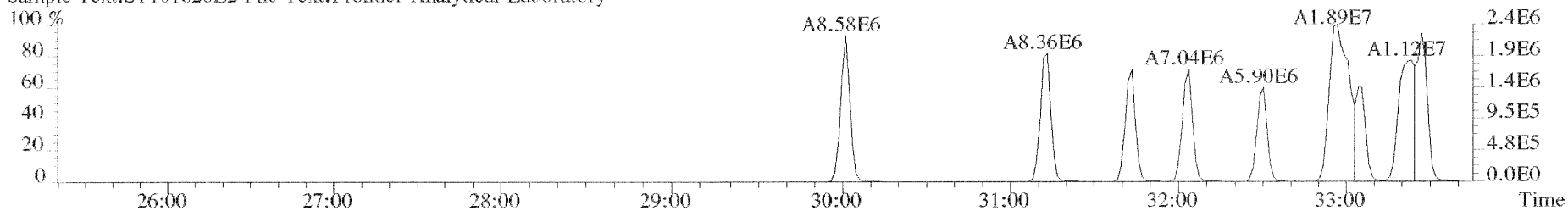
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



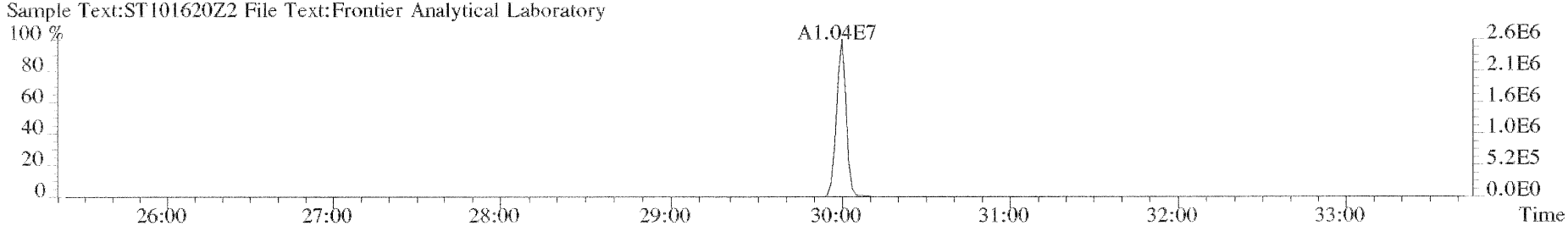
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



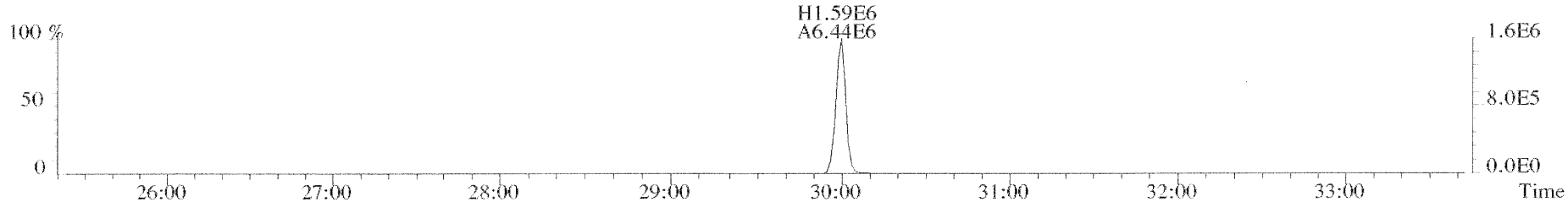
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



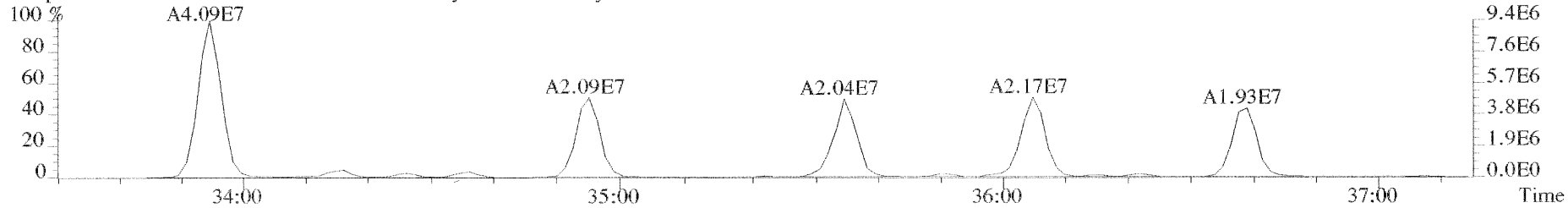
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



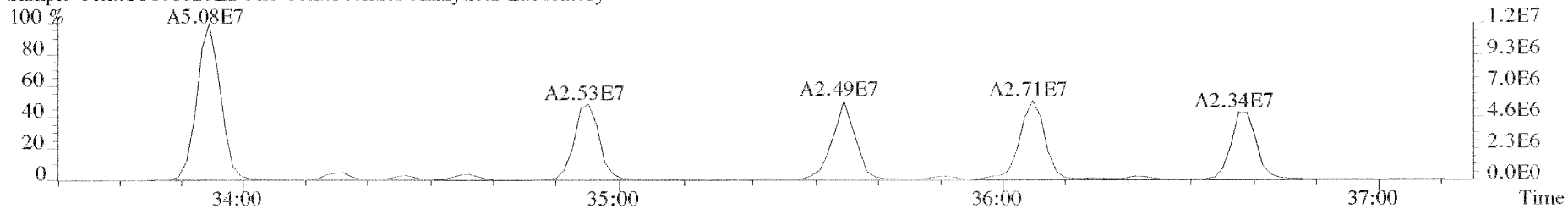
File:16OCT20Z #1-396 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



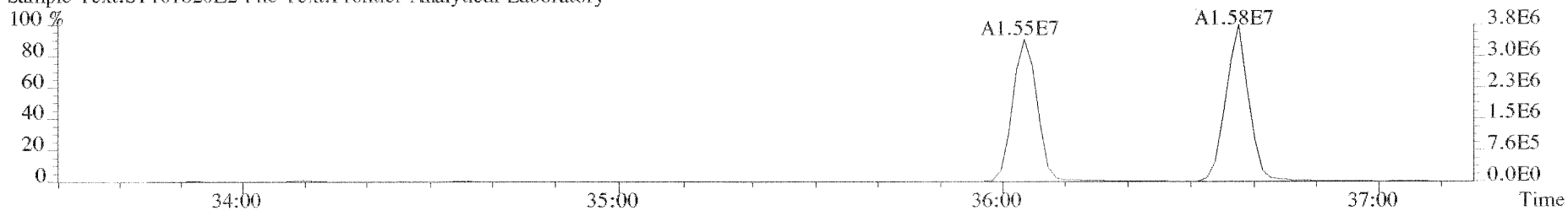
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



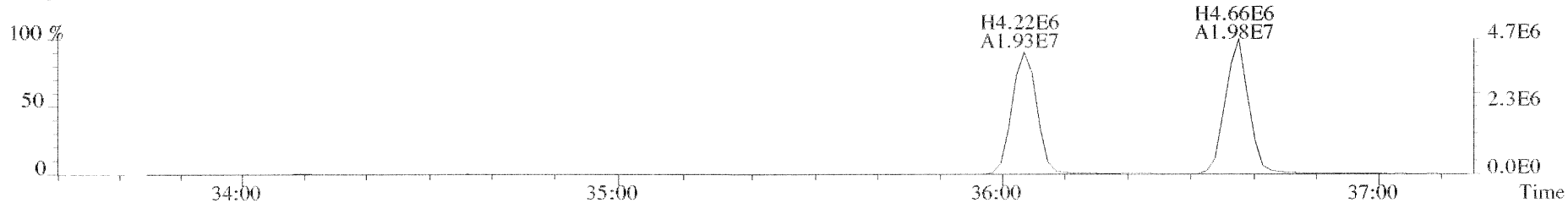
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



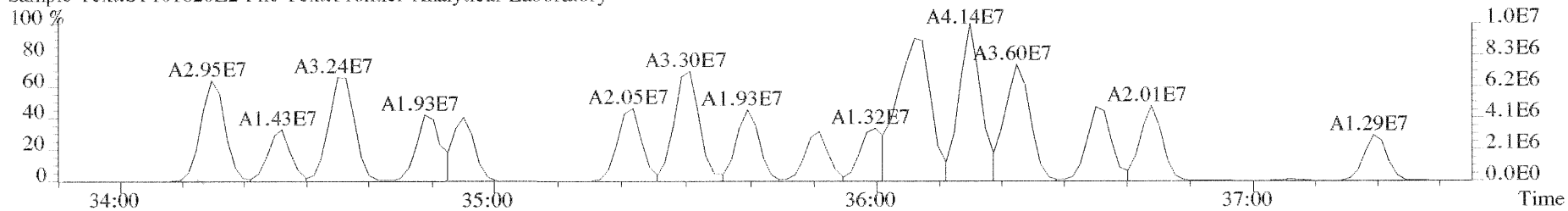
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



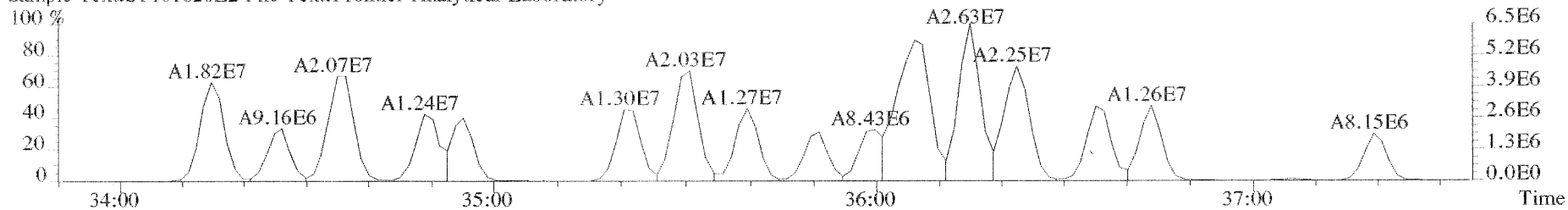
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



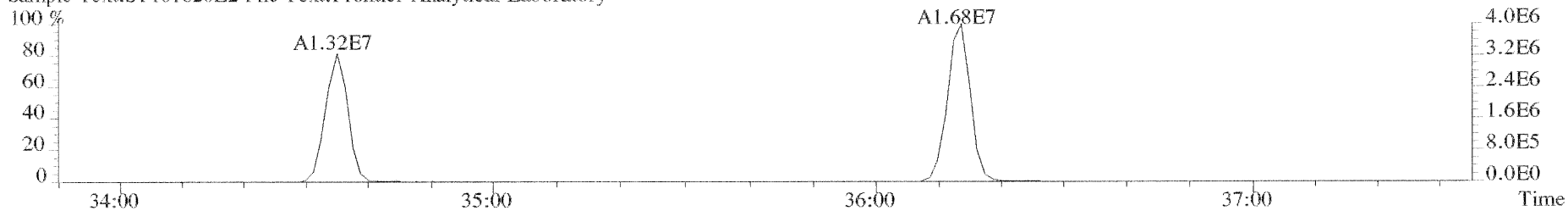
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



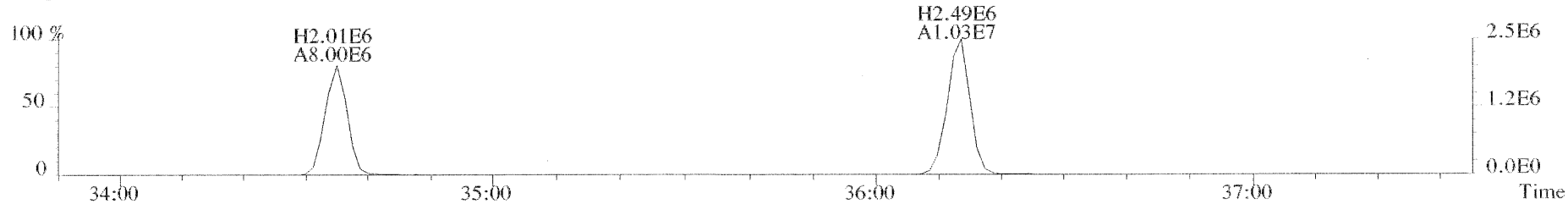
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



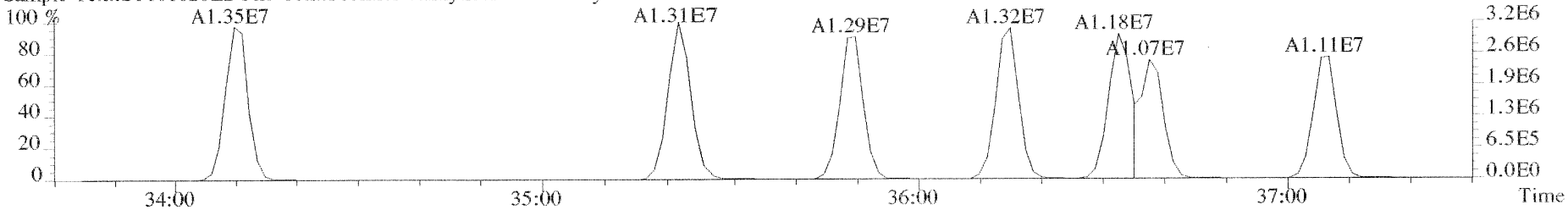
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



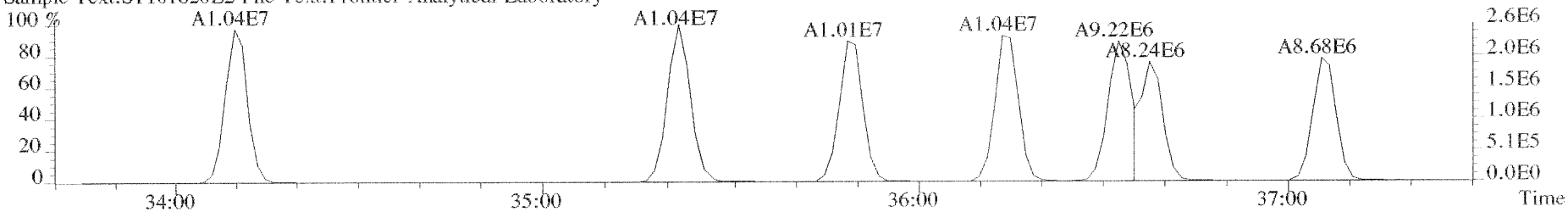
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



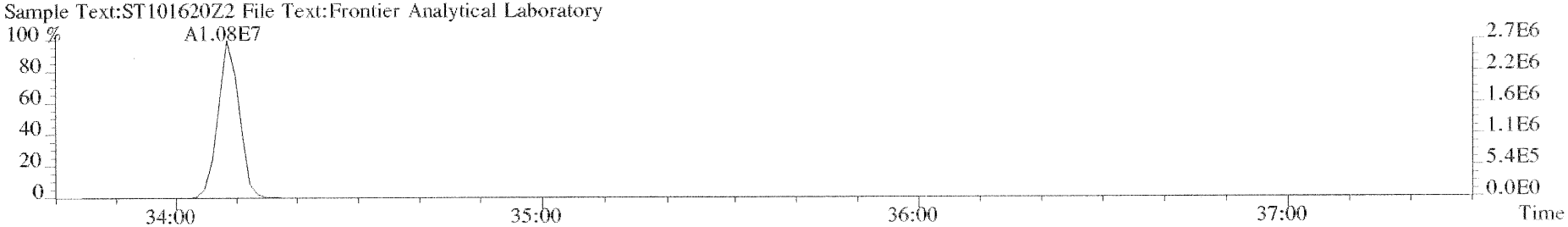
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



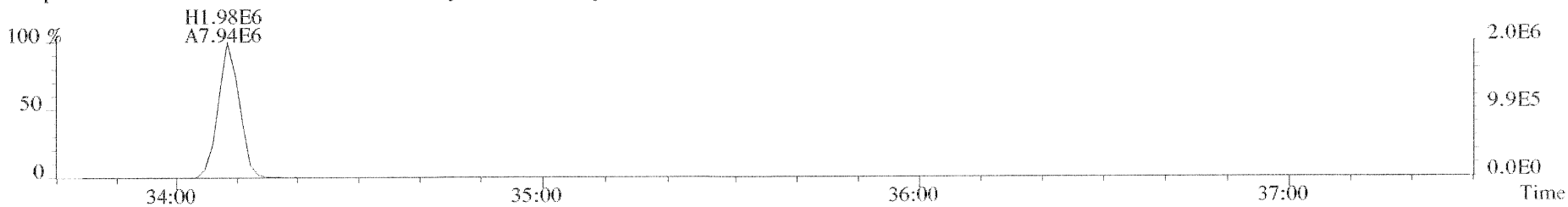
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



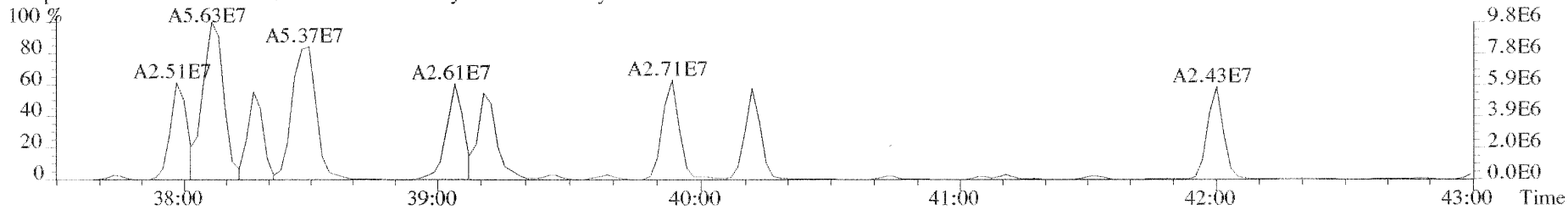
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



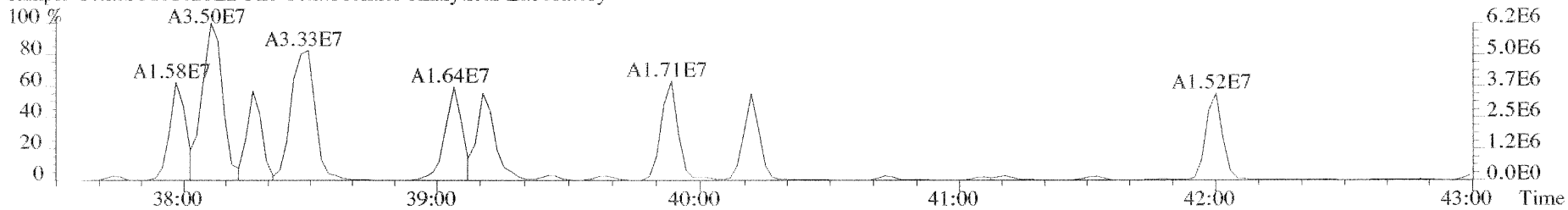
File:16OCT20Z #1-184 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



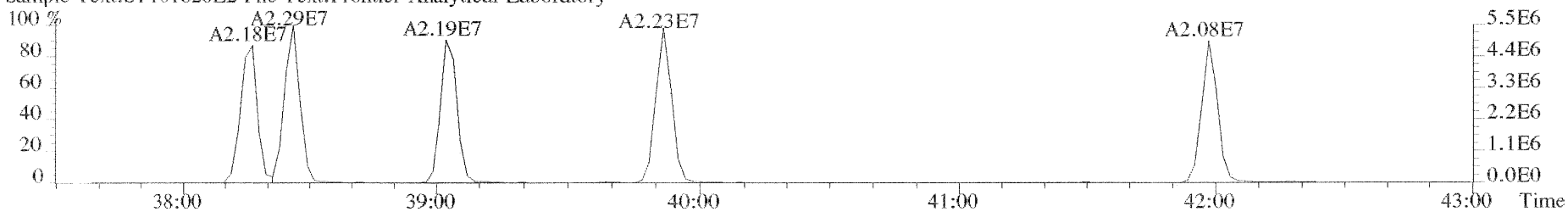
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



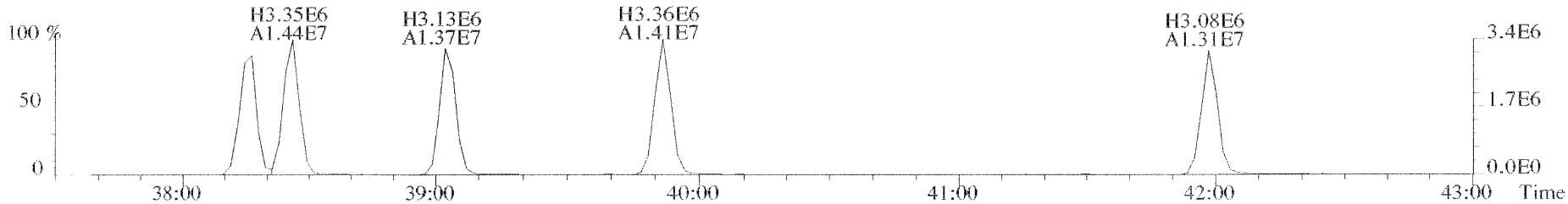
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



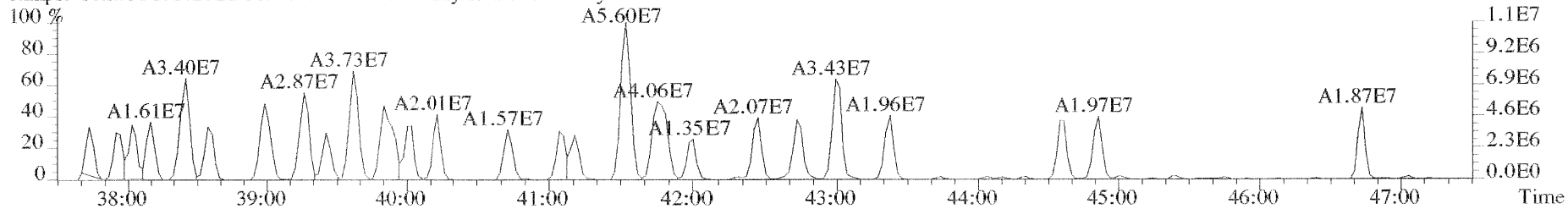
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



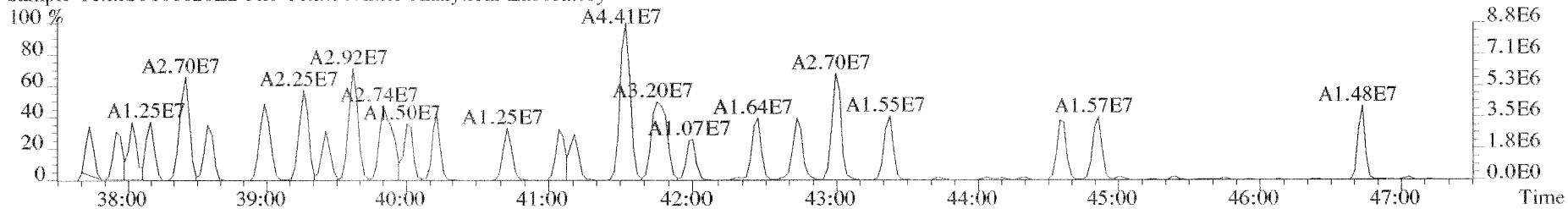
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



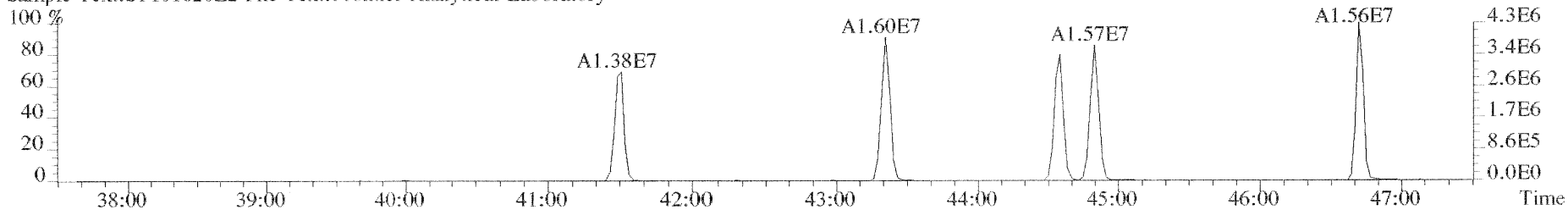
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



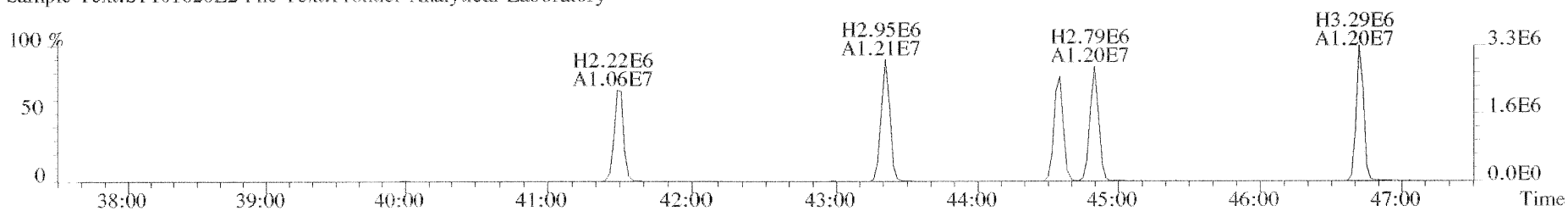
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



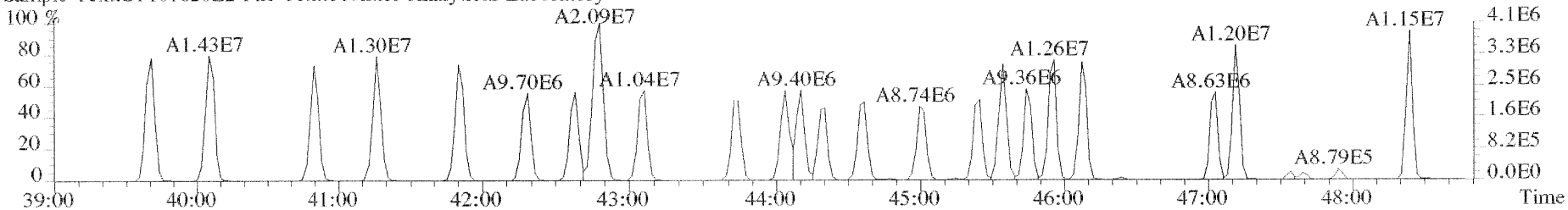
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



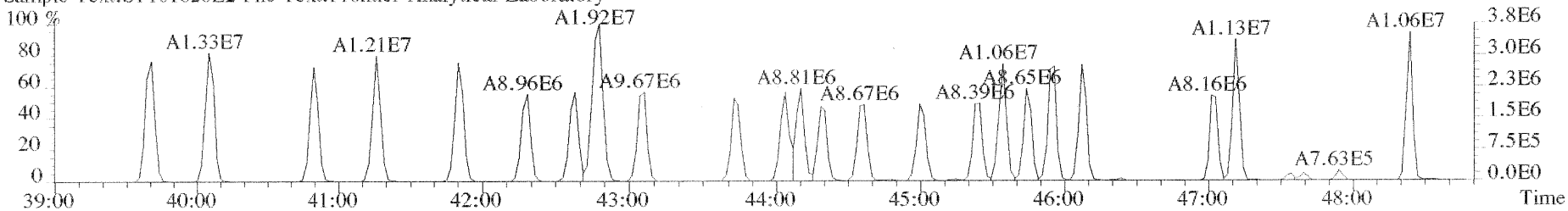
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



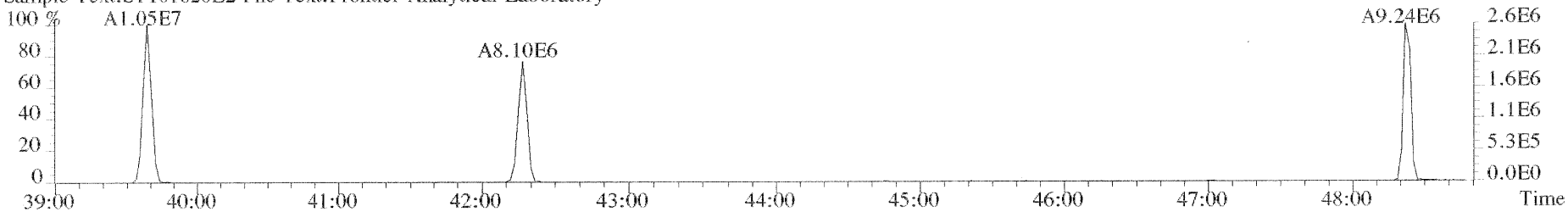
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



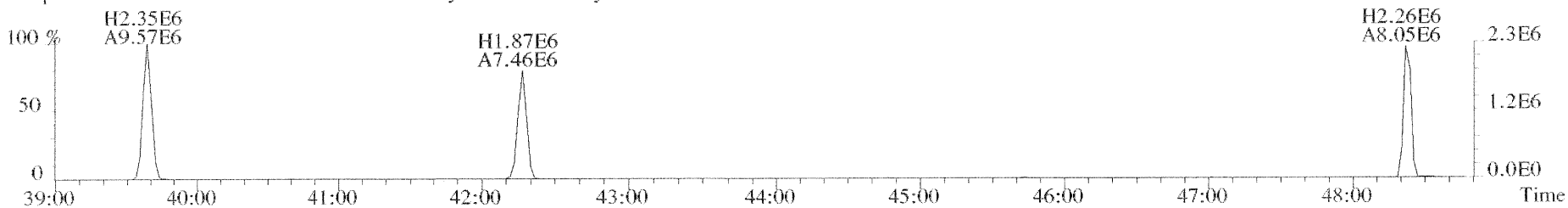
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



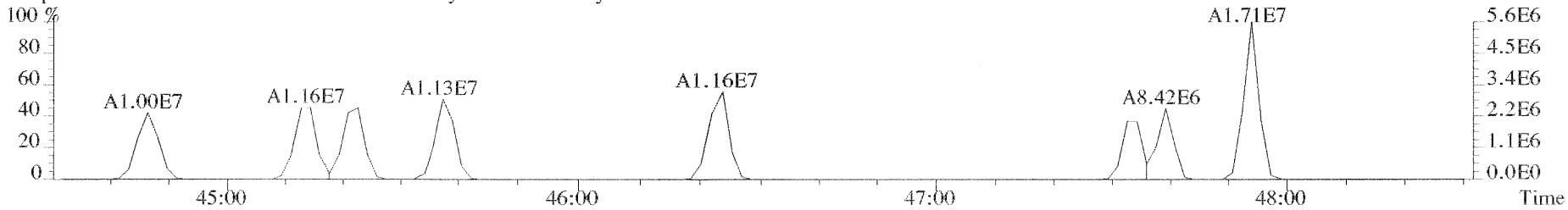
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



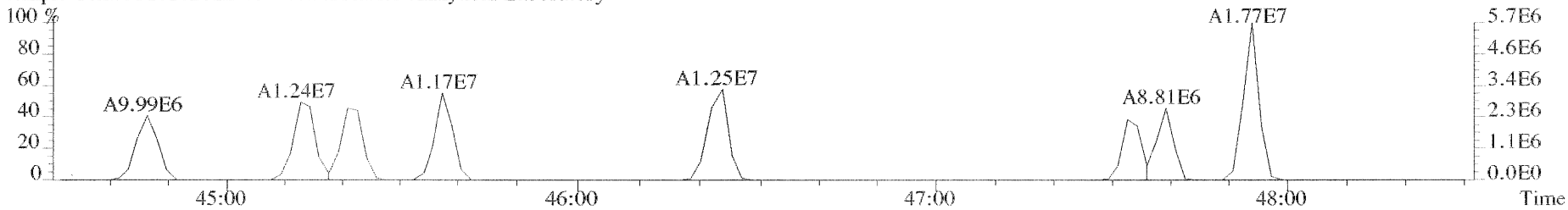
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



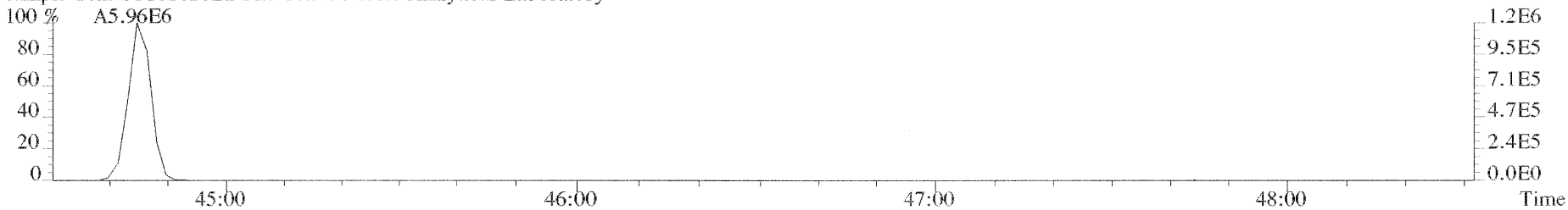
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



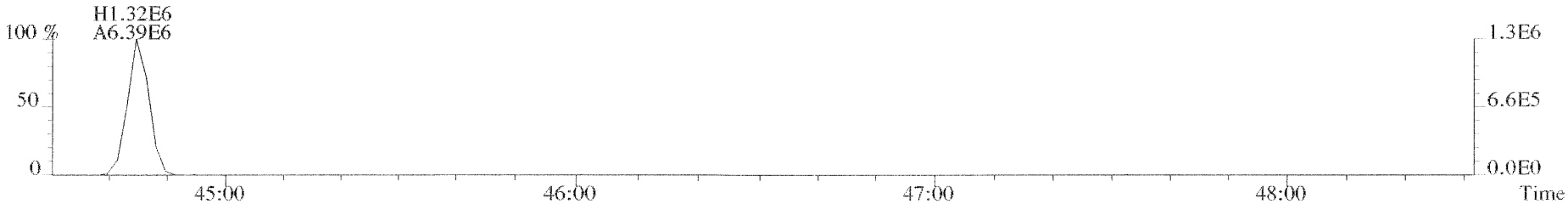
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



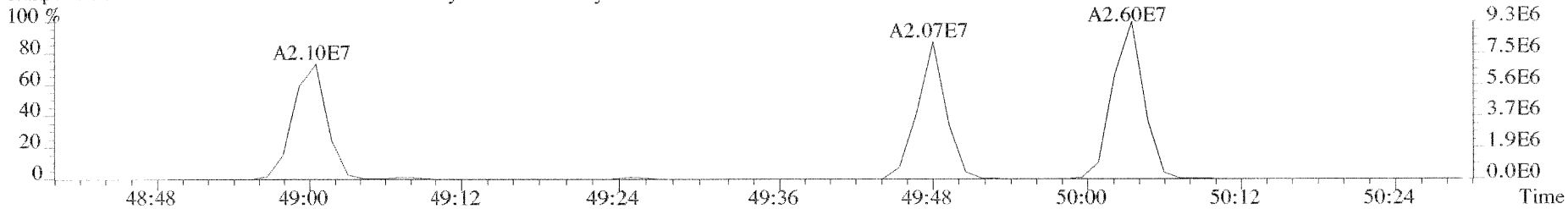
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



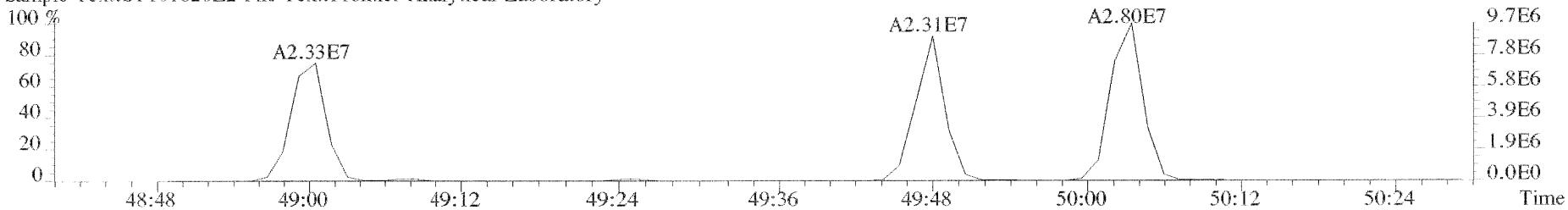
File:16OCT20Z #1-407 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



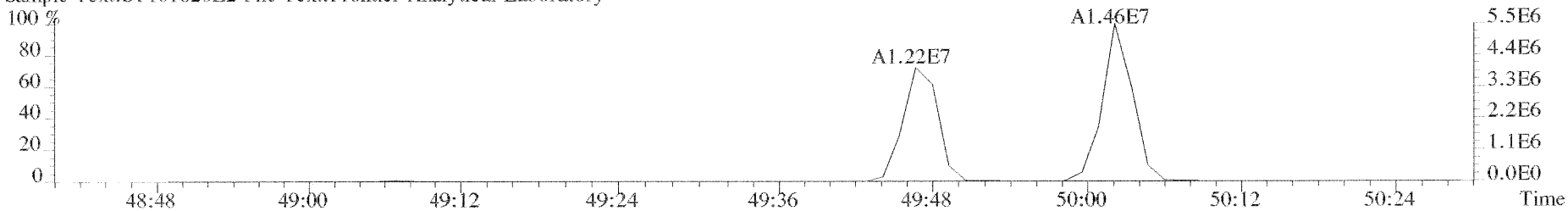
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



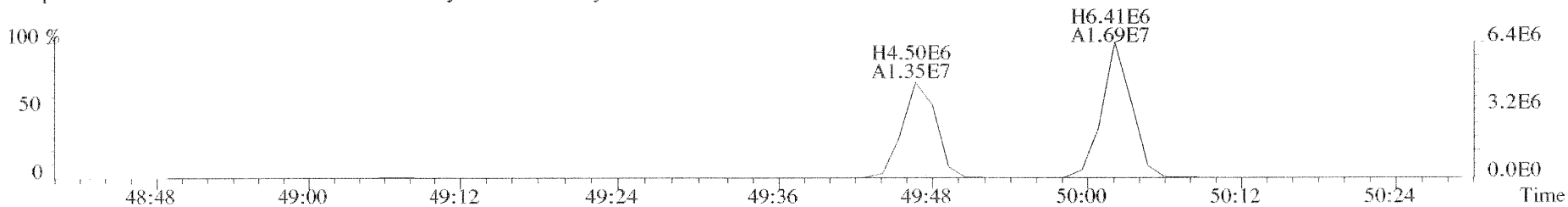
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



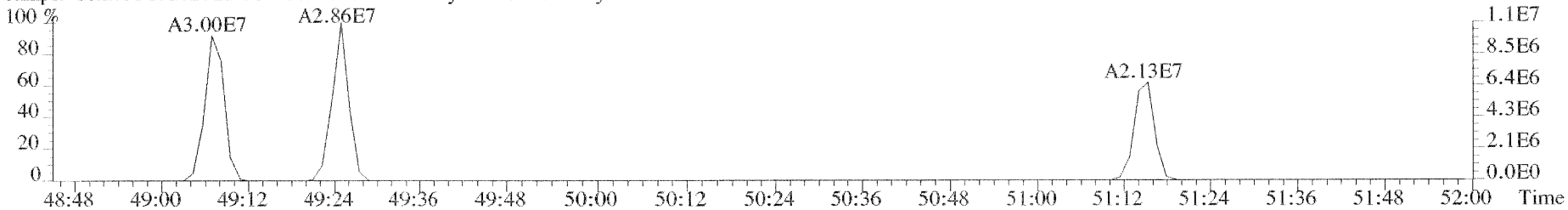
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



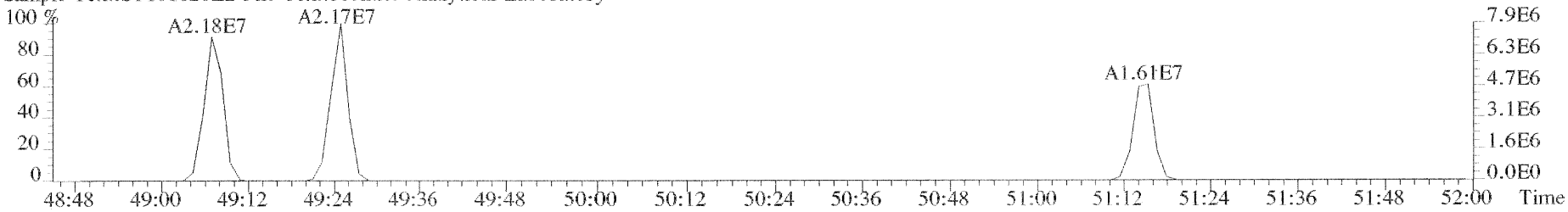
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



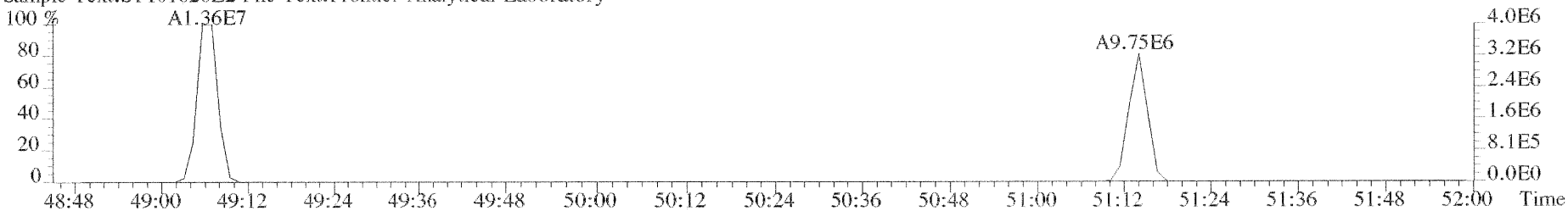
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



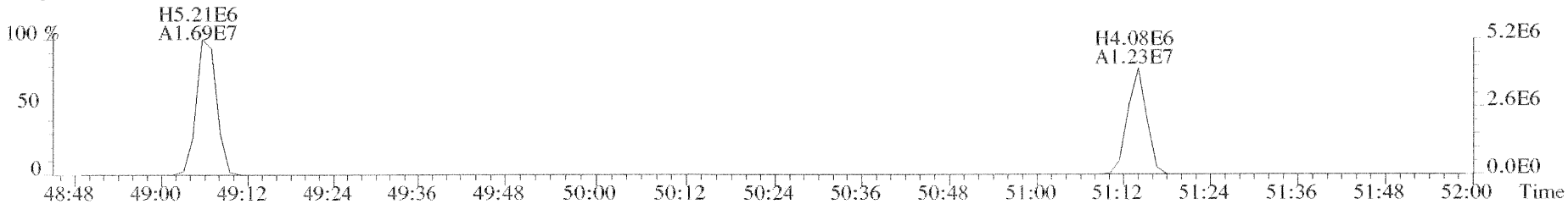
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



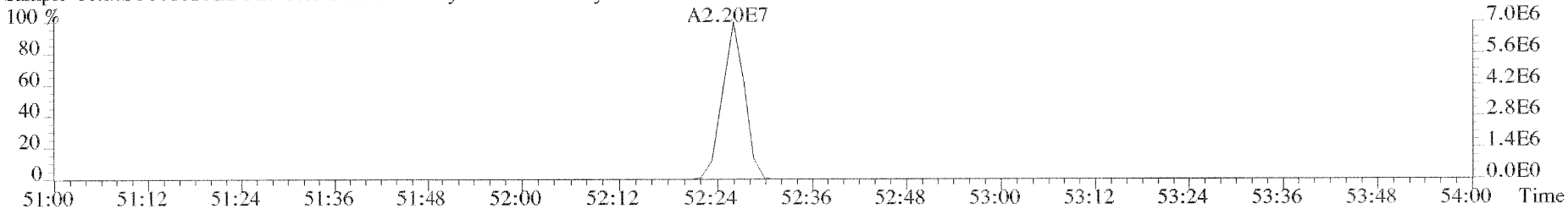
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



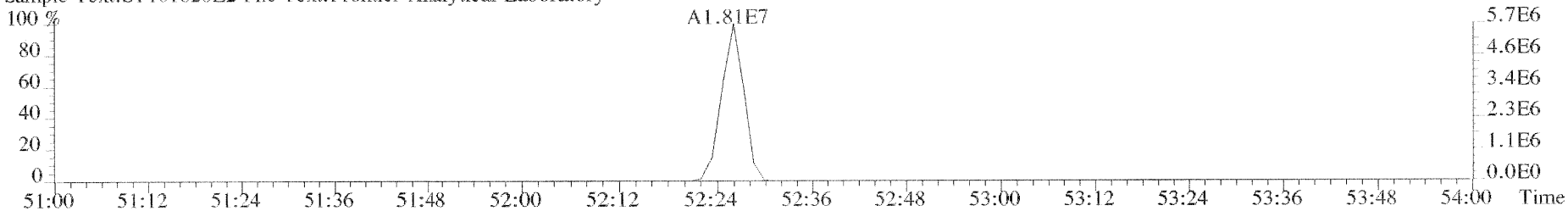
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



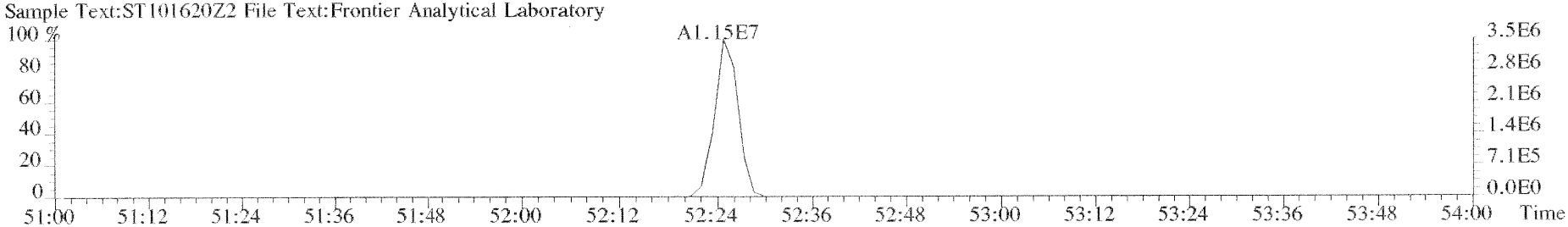
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



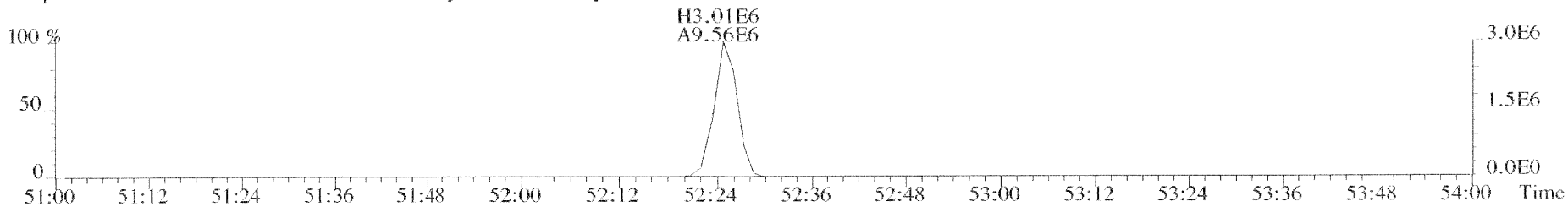
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory



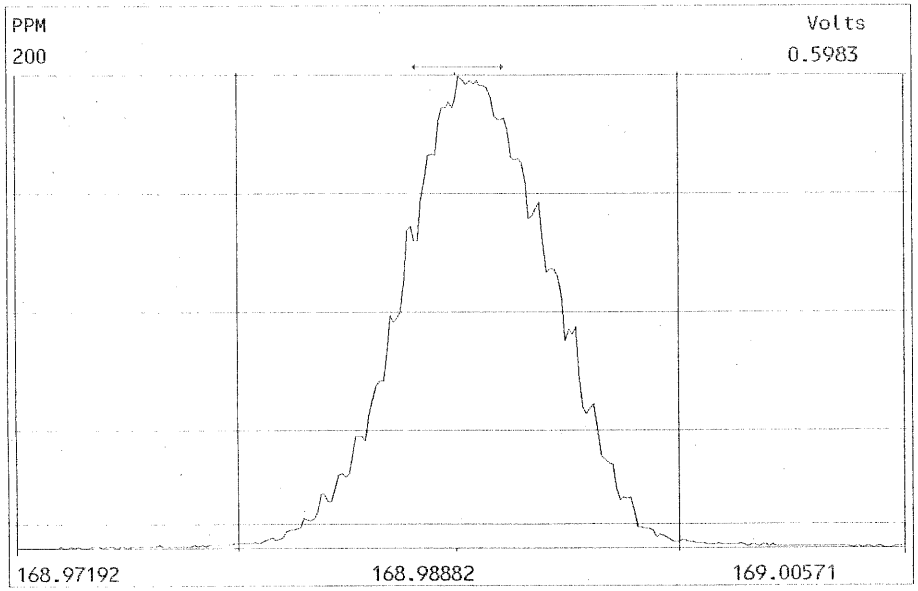
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory

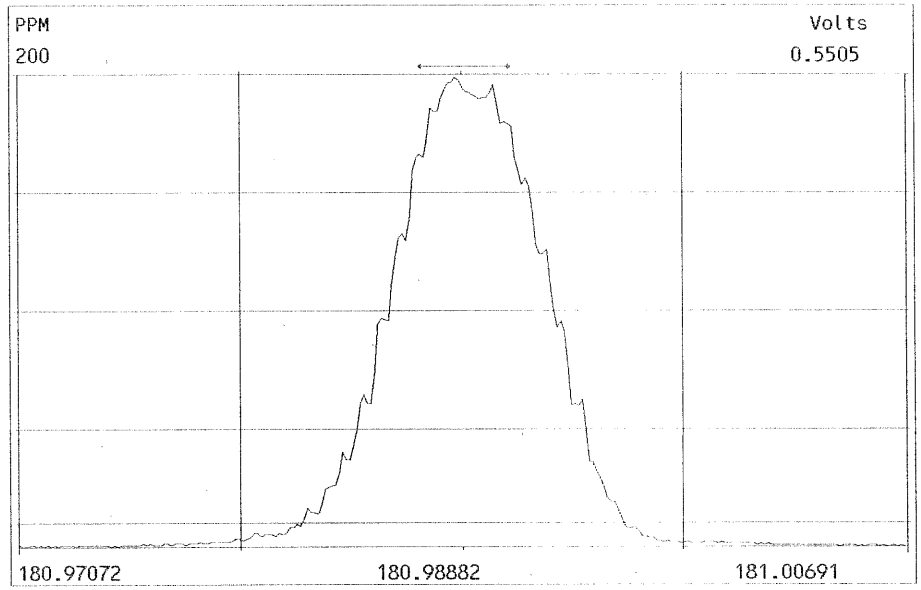


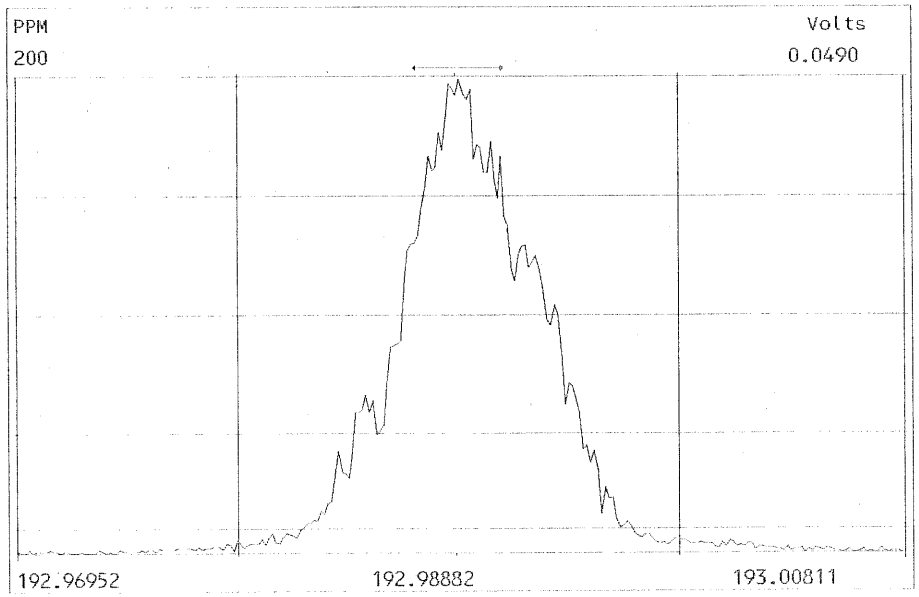
File:16OCT20Z #1-314 Acq:16-OCT-2020 21:25:45 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST101620Z2 File Text:Frontier Analytical Laboratory

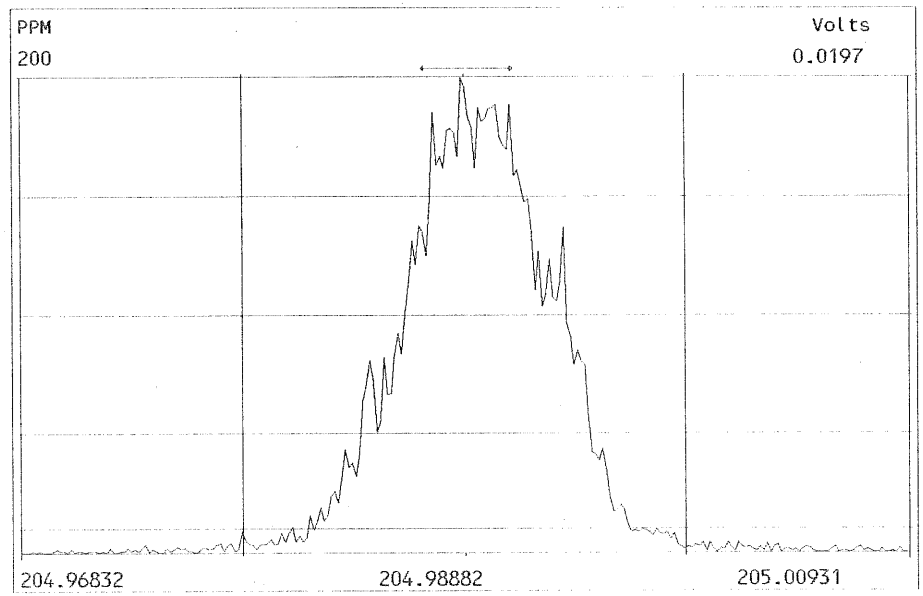


Peak Locate Examination:16-OCT-2020:22:53 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

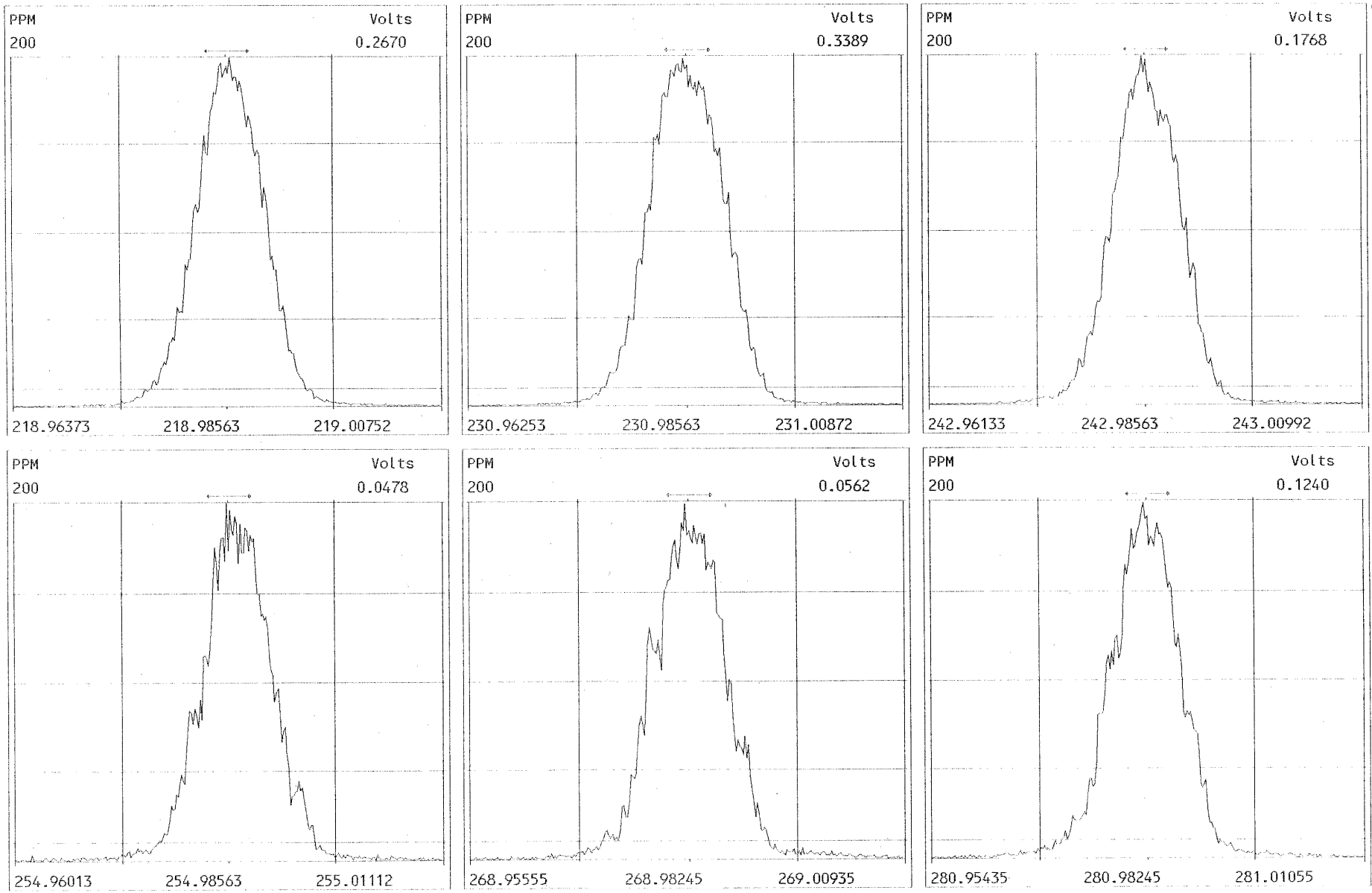




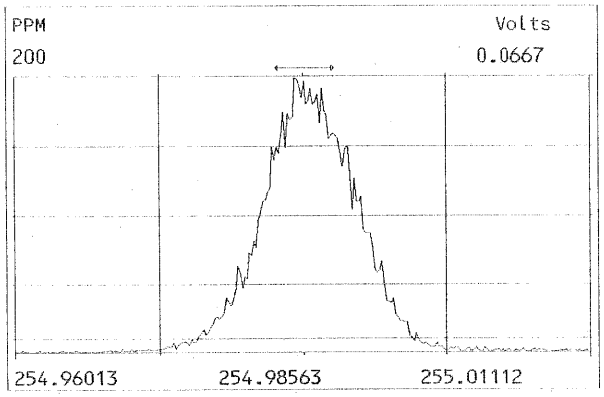


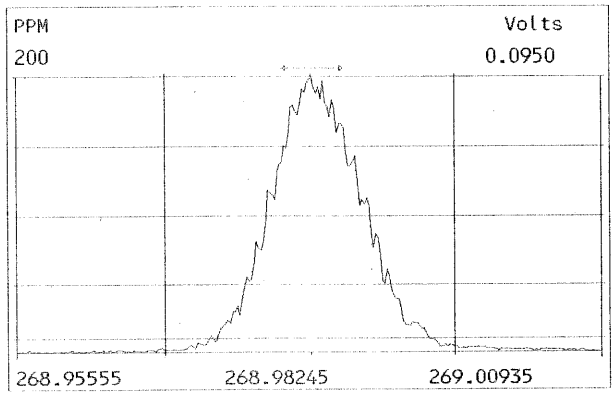


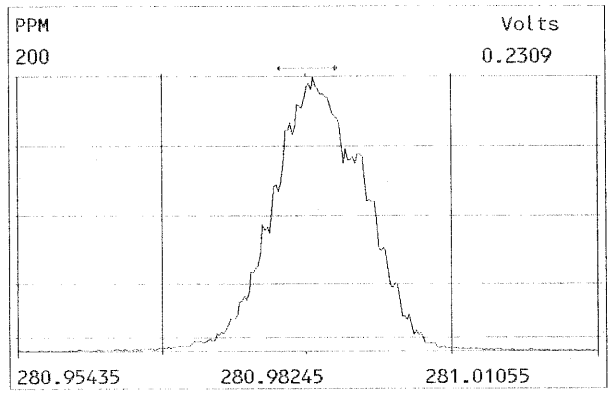
Peak Locate Examination:16-OCT-2020:22:55 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

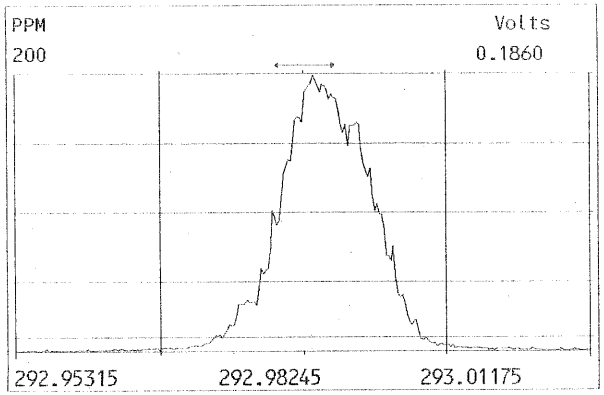


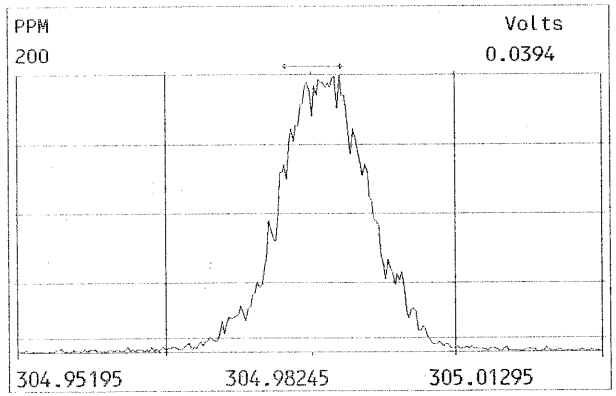
Peak Locate Examination:16-OCT-2020:22:57 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

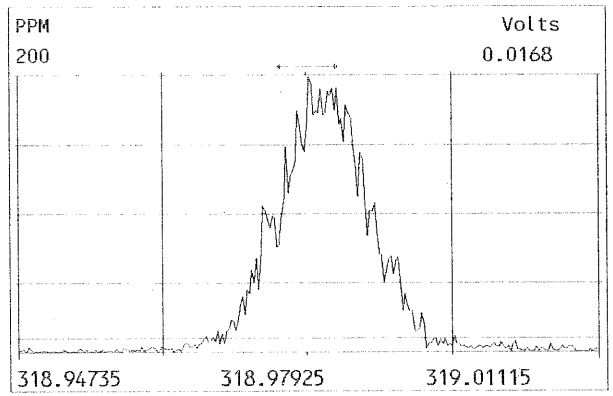


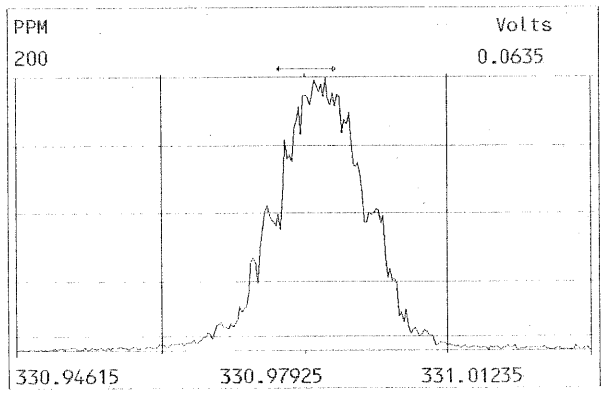


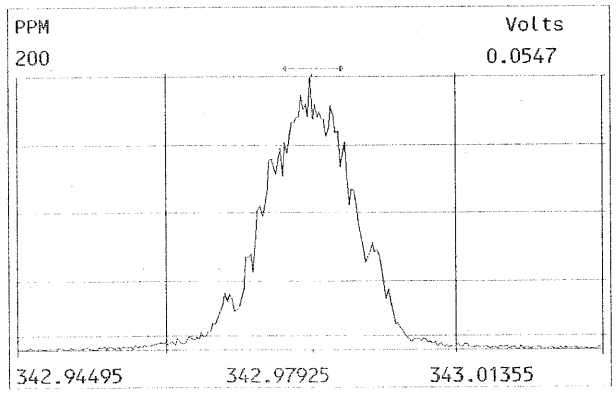






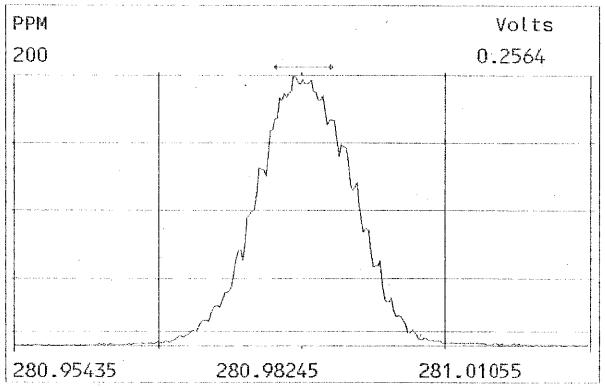


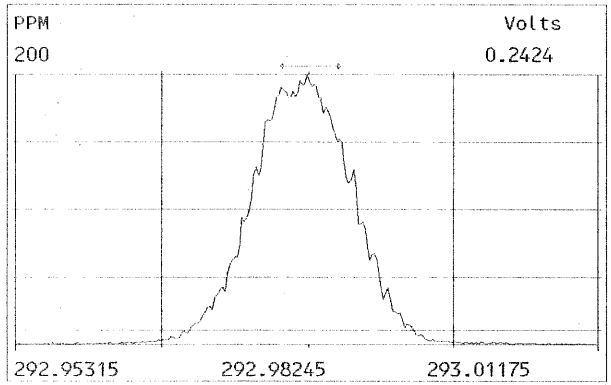


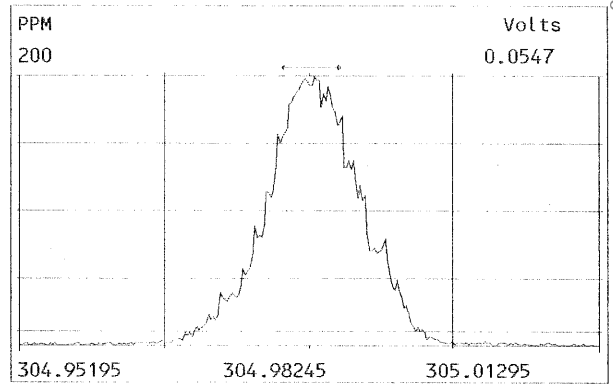


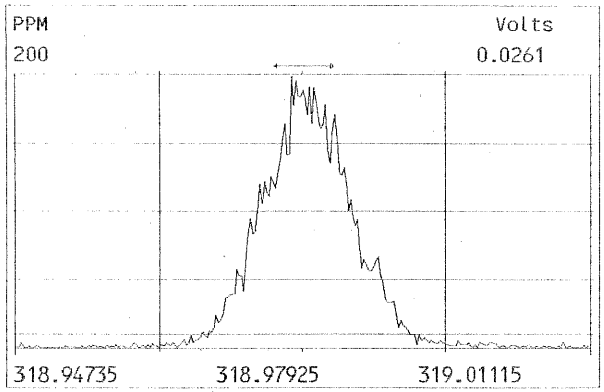
Peak Locate Examination:16-OCT-2020:23:00 File:16OCT20Z_RES_CHECK

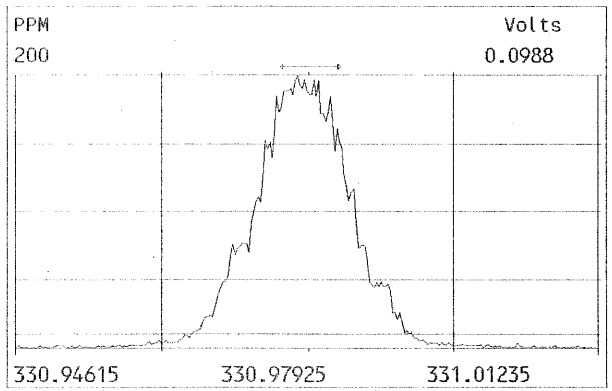
Experiment:1668PCB Function:4 Reference:PFK

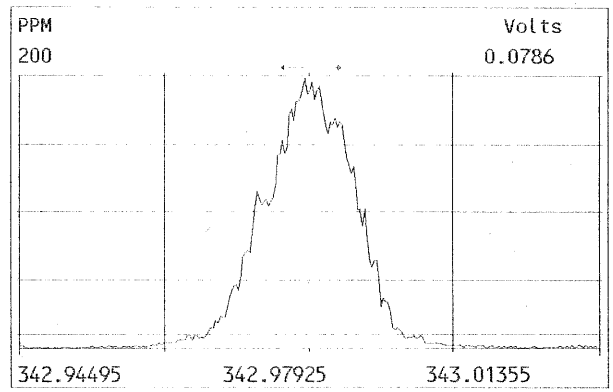


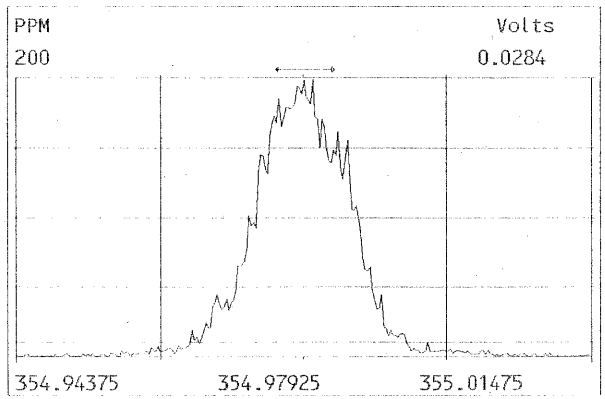


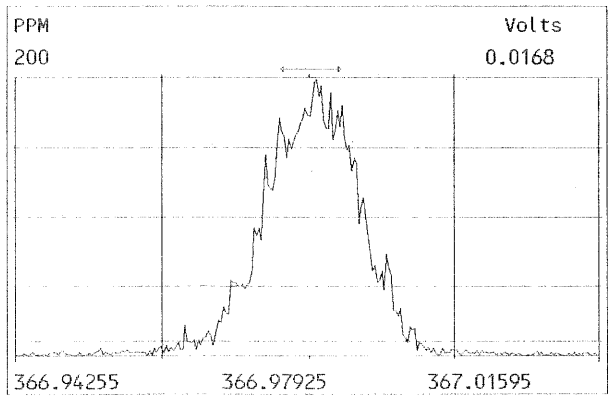


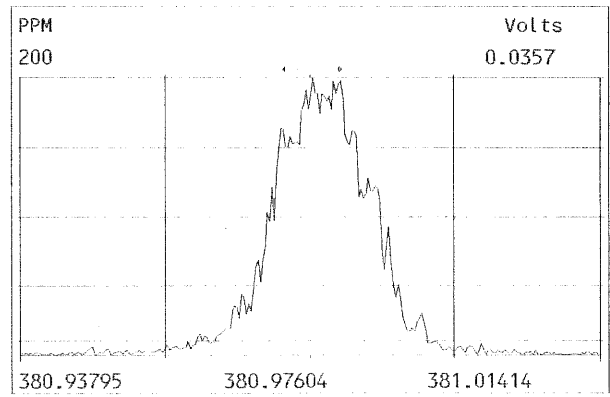




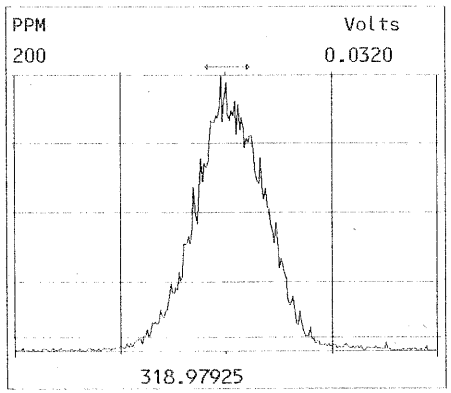


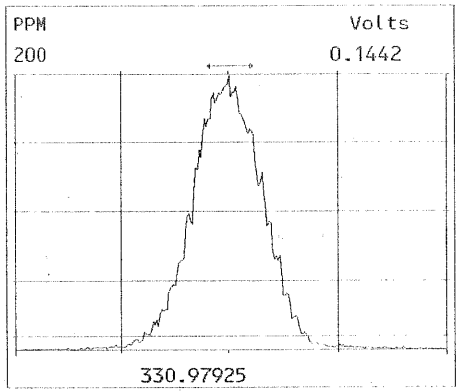


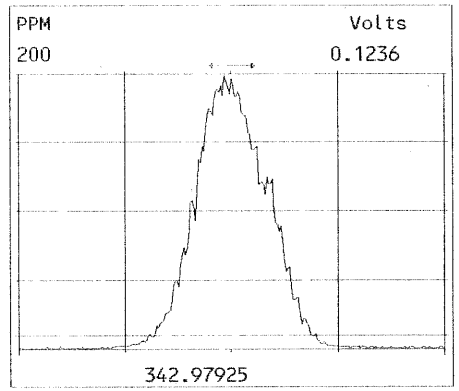


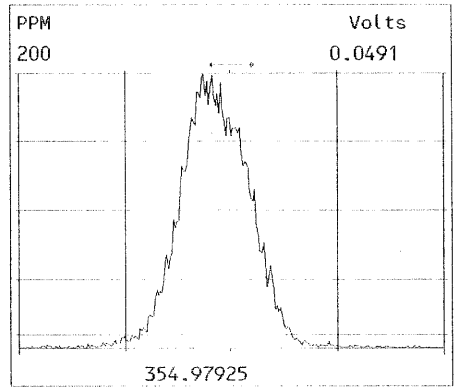


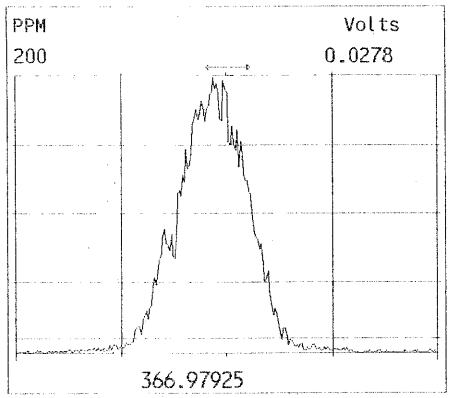
Peak Locate Examination:16-OCT-2020:23:02 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

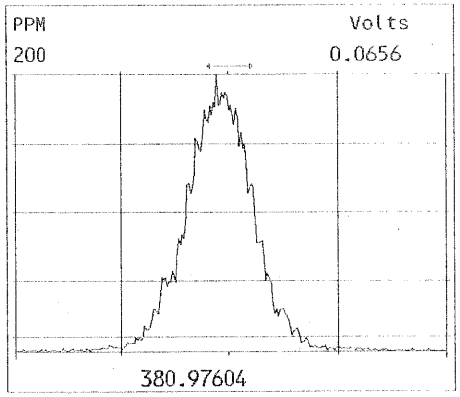


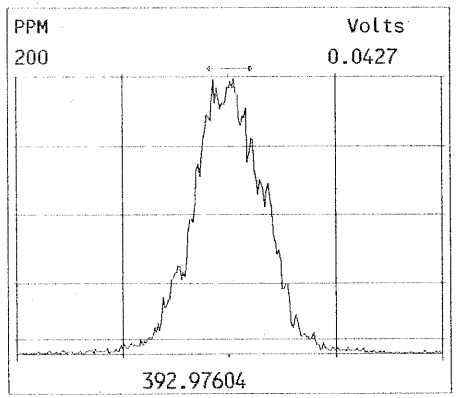


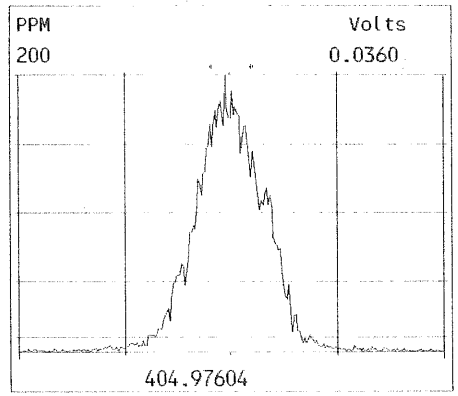


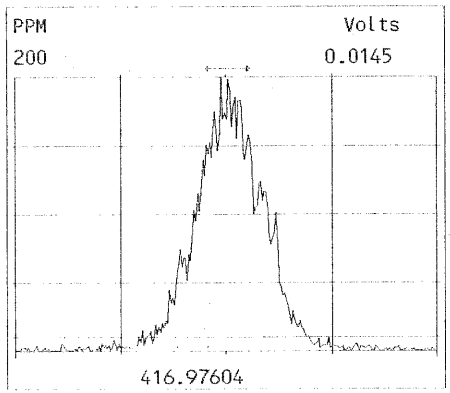


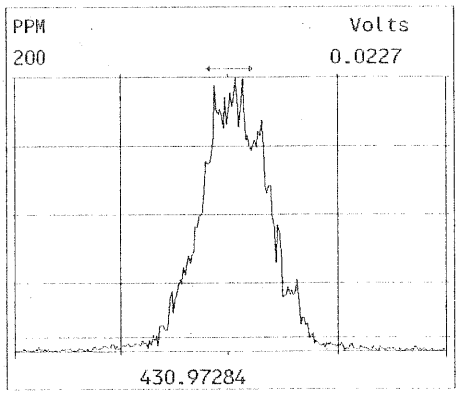


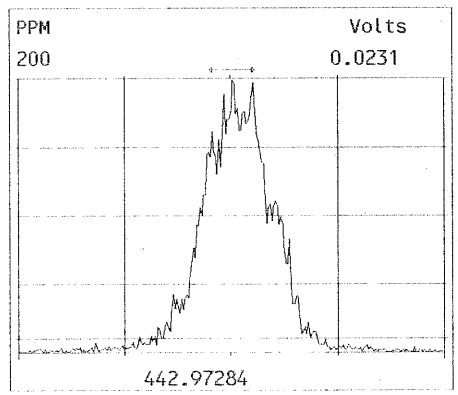




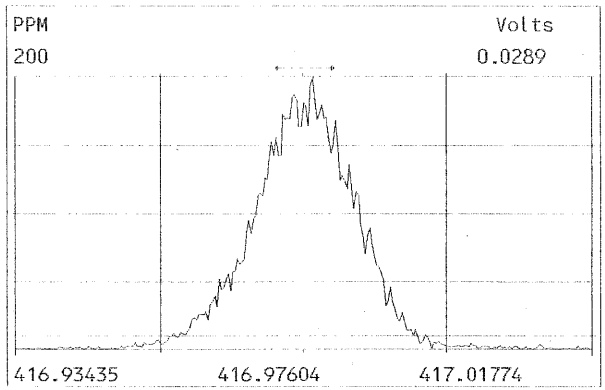


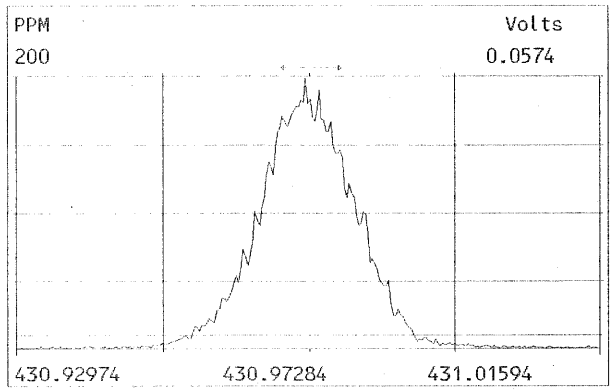


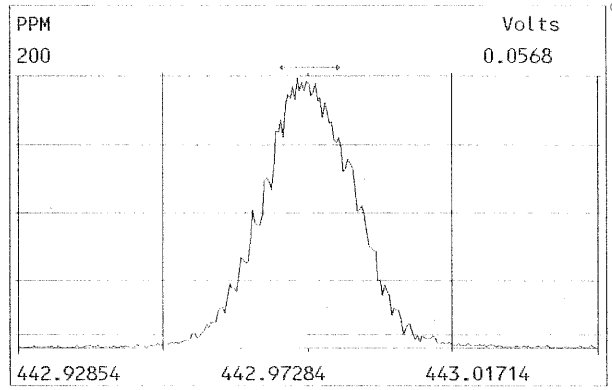


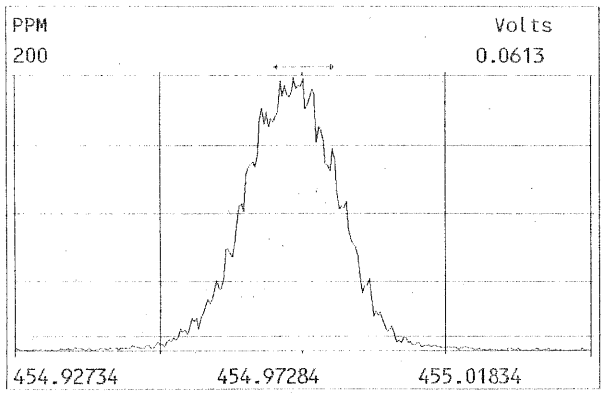


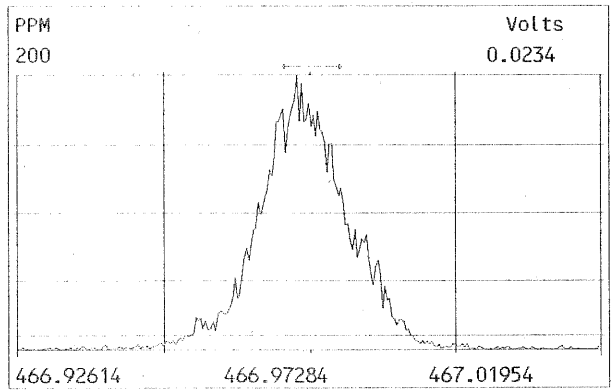
Peak Locate Examination:16-OCT-2020:23:04 File:16OCT20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

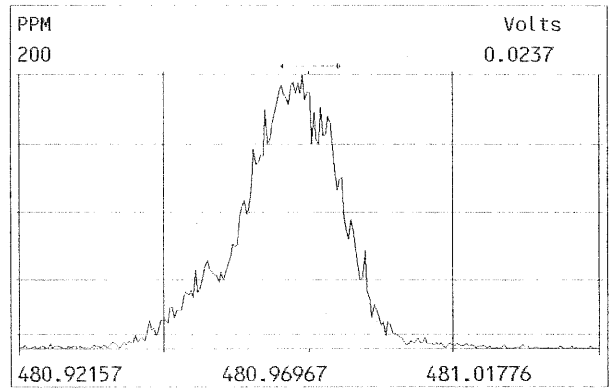


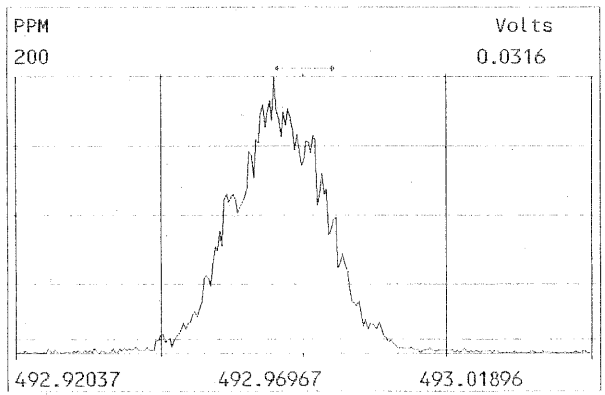


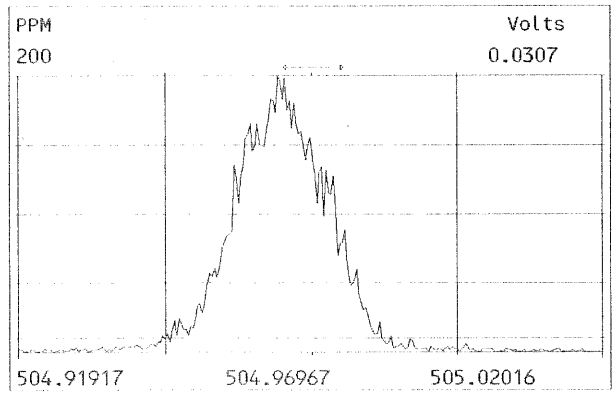


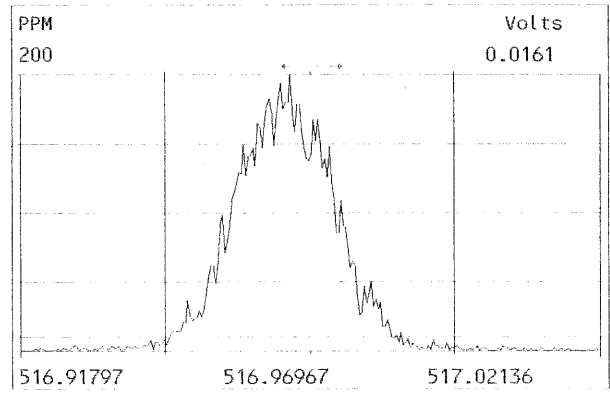












Cal: DAILY209FAL4-10-23-20

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: 10/07/20

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 2 of 2
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: [illegible] 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: ST102320Z2 Filename: 23OCT20Z Sam:15 Acquired: 24-OCT-20 00:28:20 ICal: DAILY209FAL4-10-23-20 1 of 2
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	2.67e+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: [illegible] Date: 10/27/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:23OCT20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

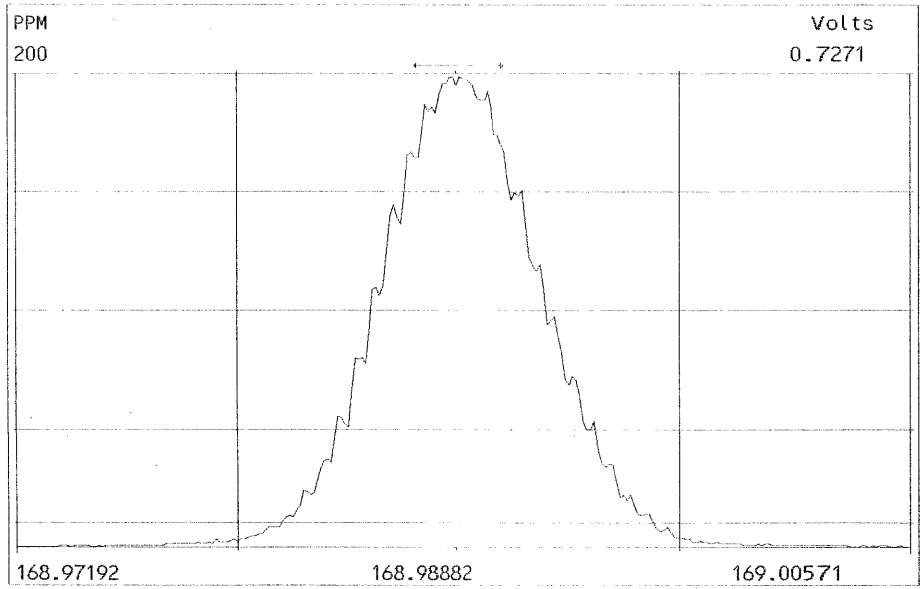
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
23OCT20Z	1	ST102320Z1	CS209 201021A	23-OCT-20 10:50:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	2	05488-001-0001-OPR	OPR	23-OCT-20 11:49:19	ST102320Z1	ST102320Z2	DV
23OCT20Z	3	05488-001-0001-MB	Method Blank	23-OCT-20 12:48:05	ST102320Z1	ST102320Z2	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

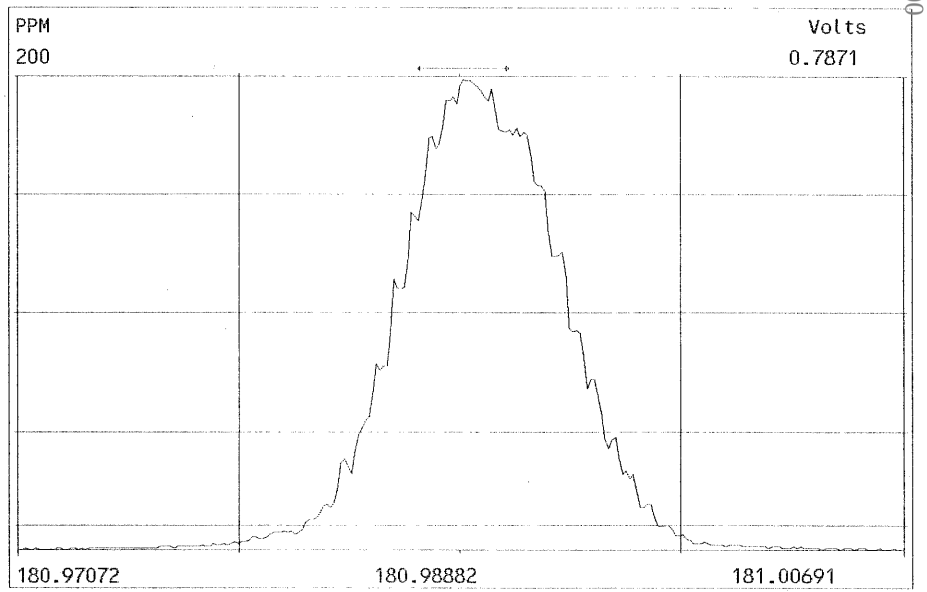
DN 10.24.20

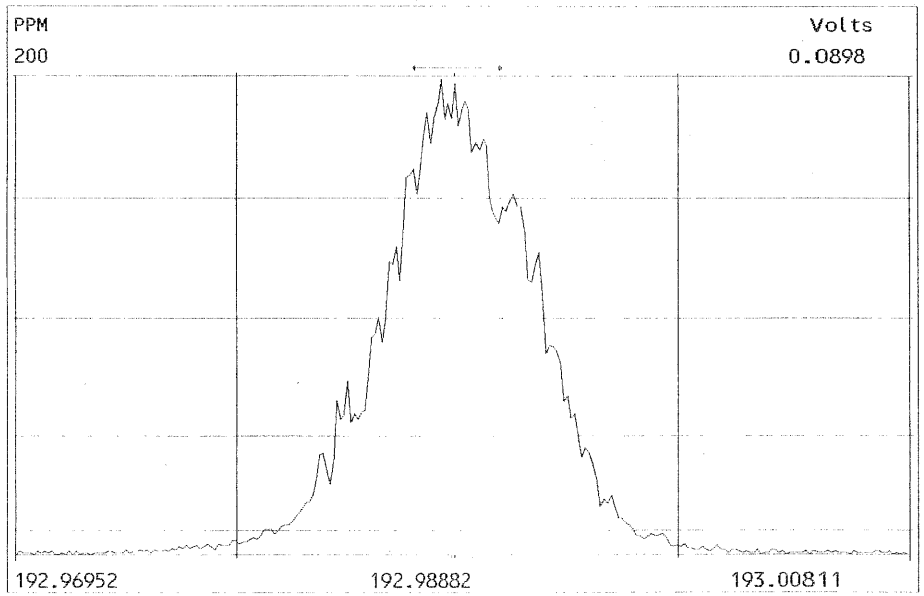
Data Backed Up:_____

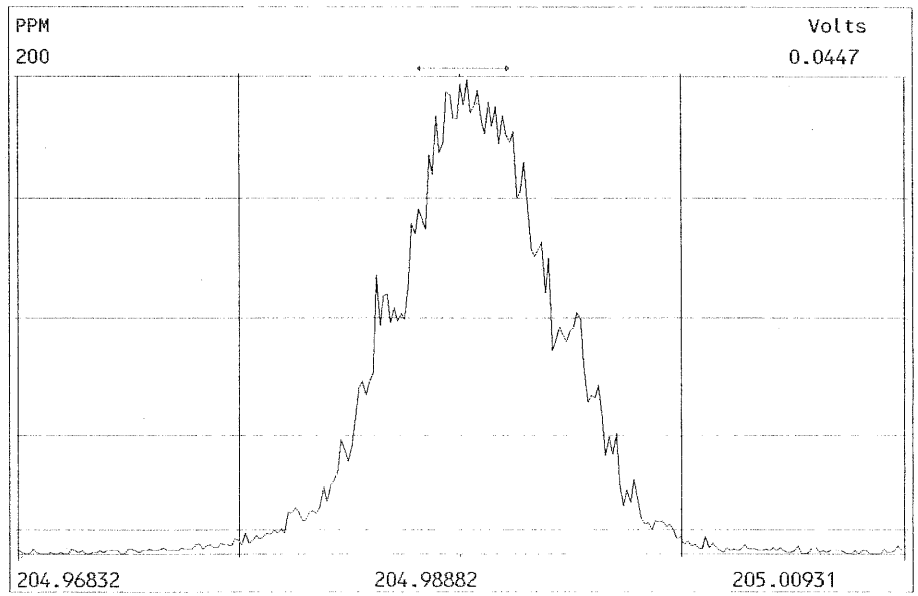
Date:_____

Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:1 Reference:PFK

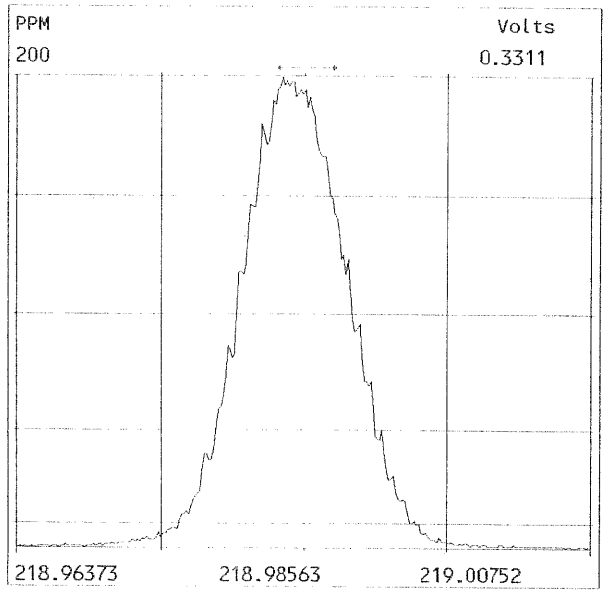


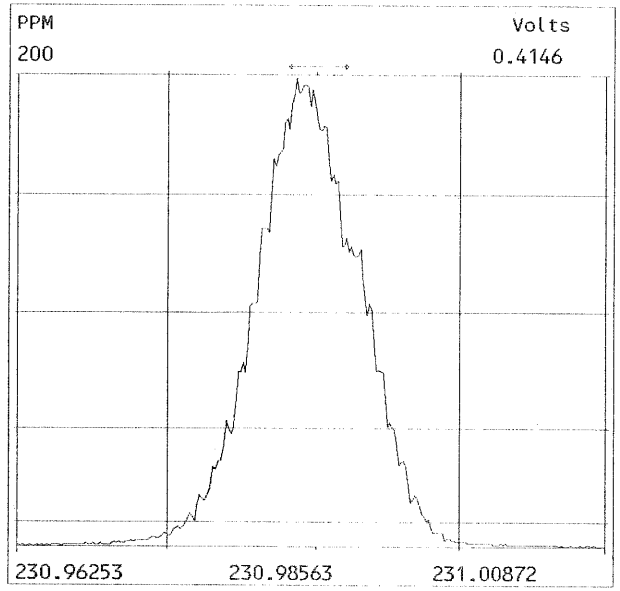


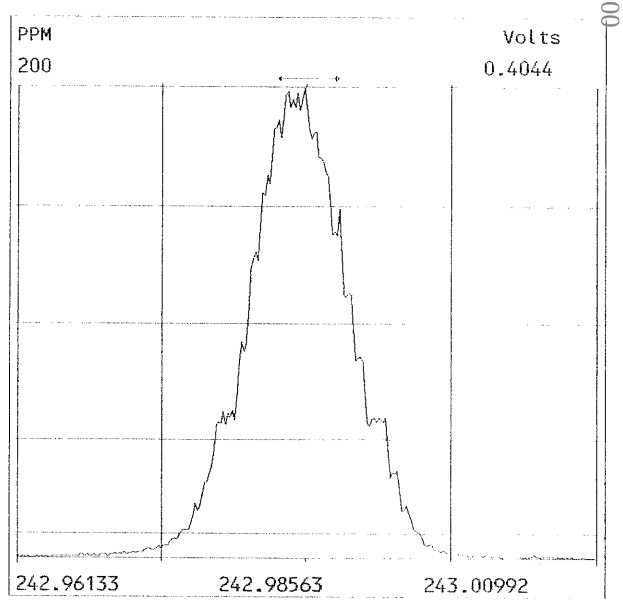


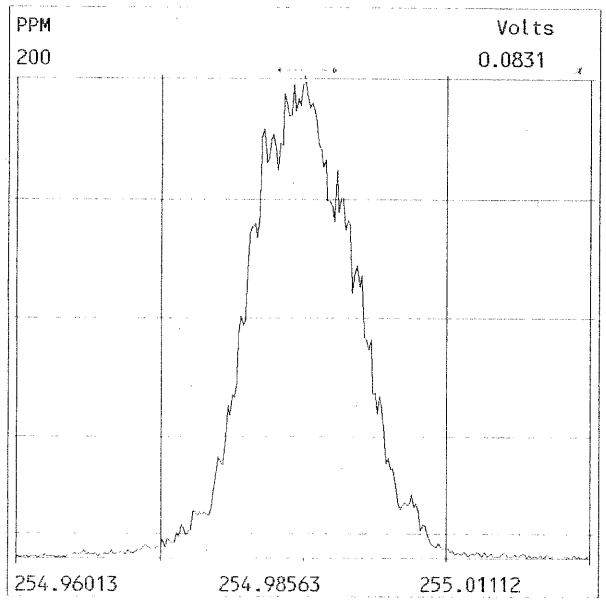


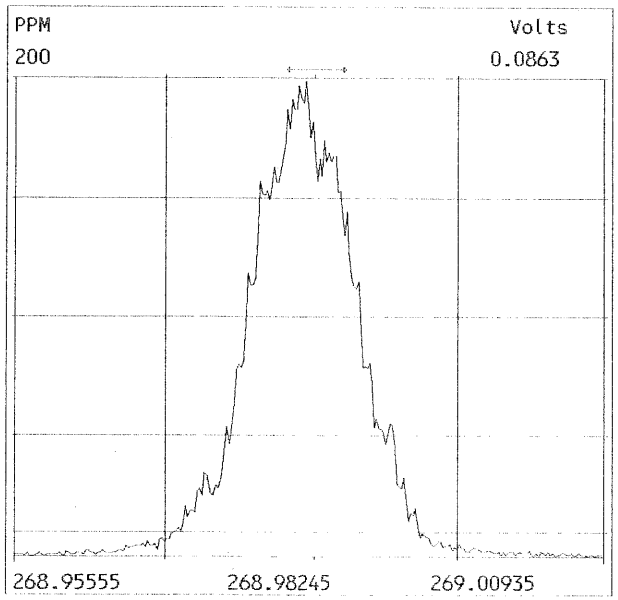
Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:2 Reference:PFK

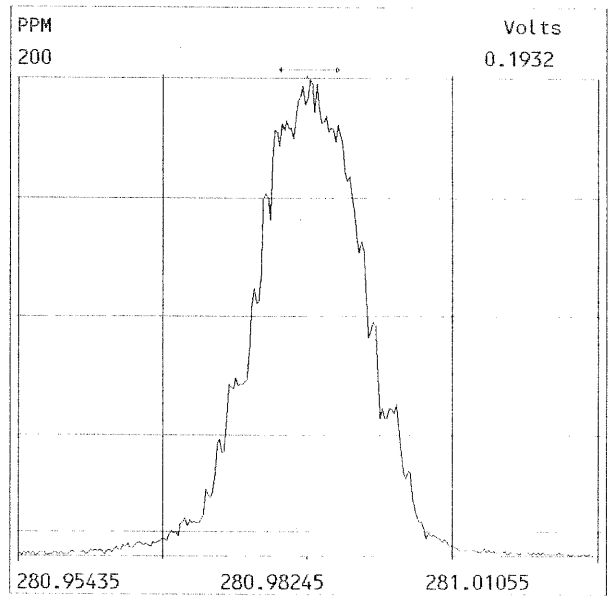






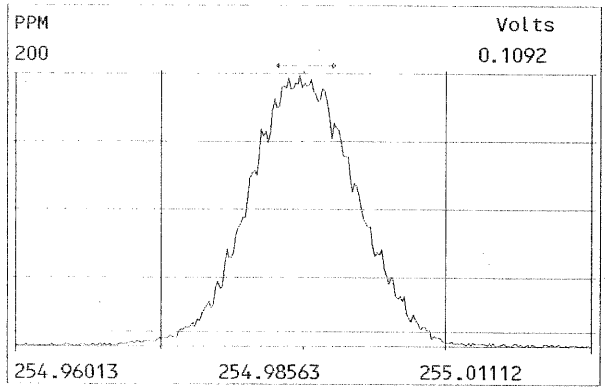


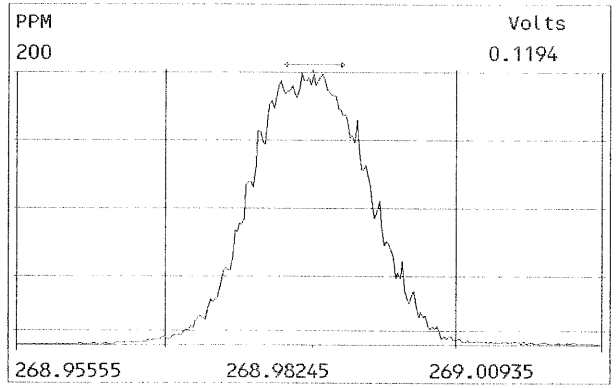


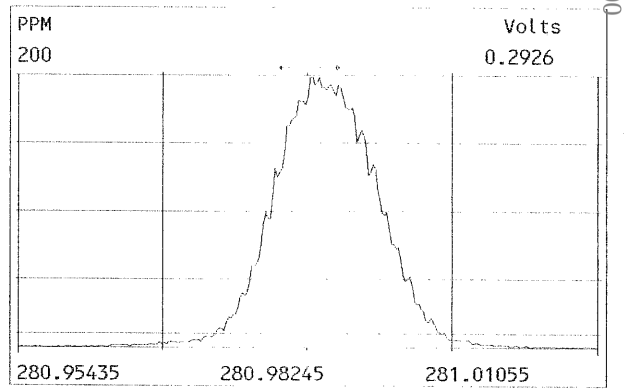


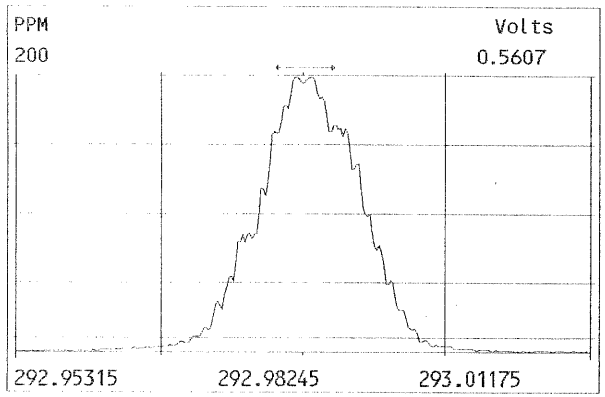
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z

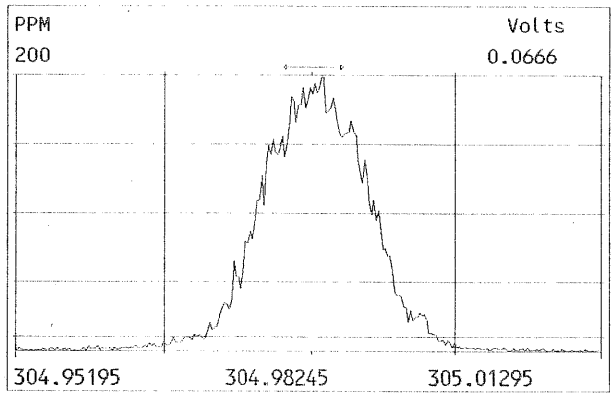
Experiment:1668PCB Function:3 Reference:PFK

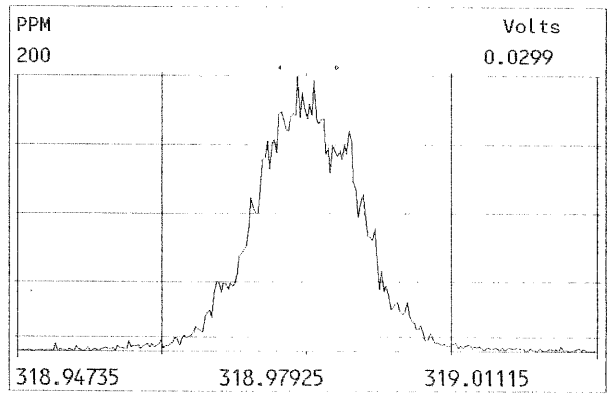


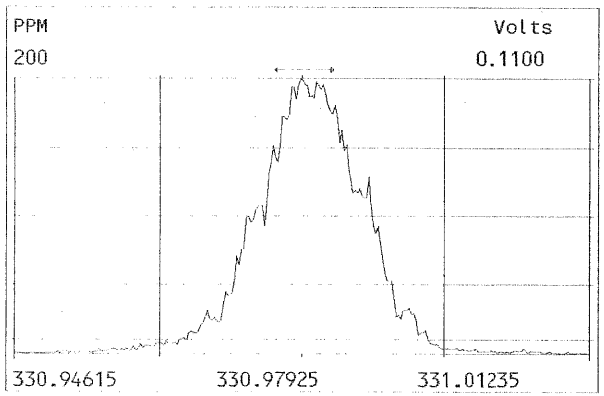


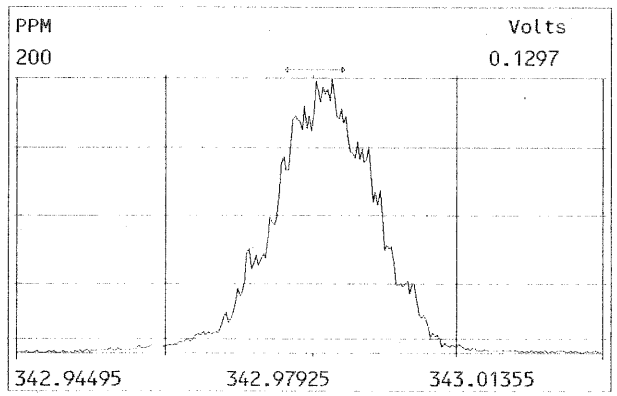




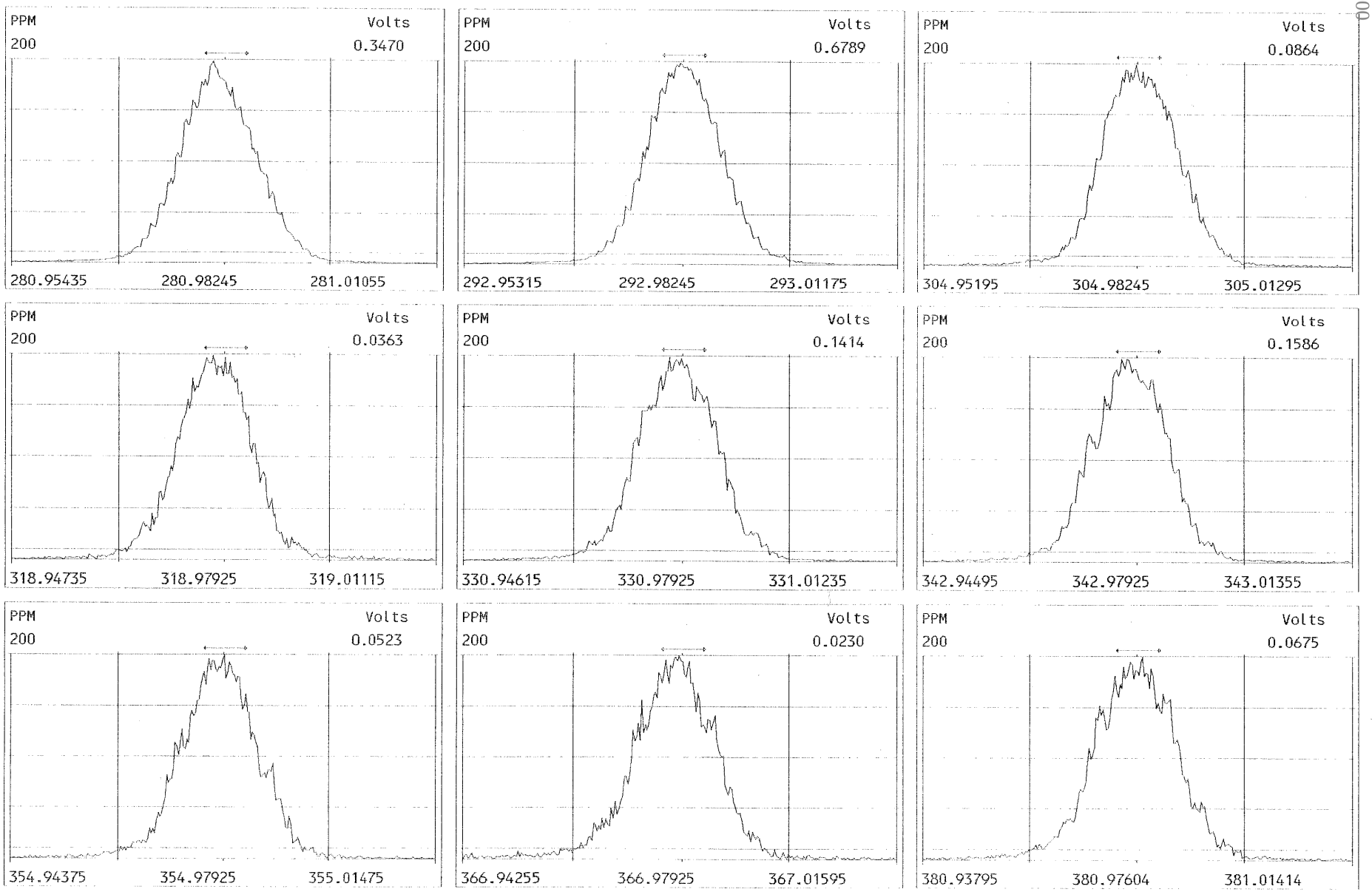






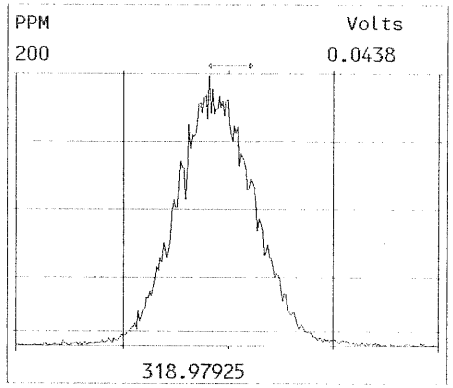


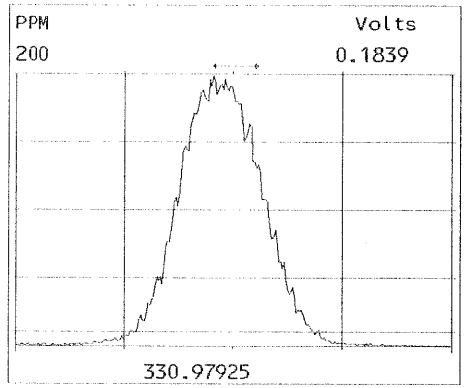
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:4 Reference:PFK

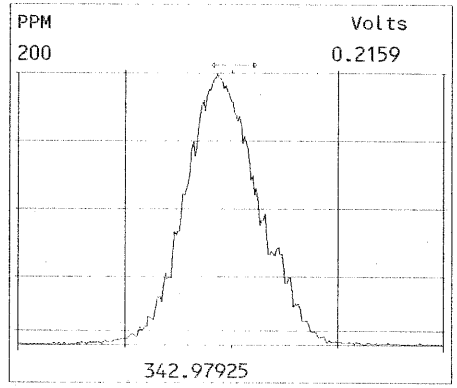


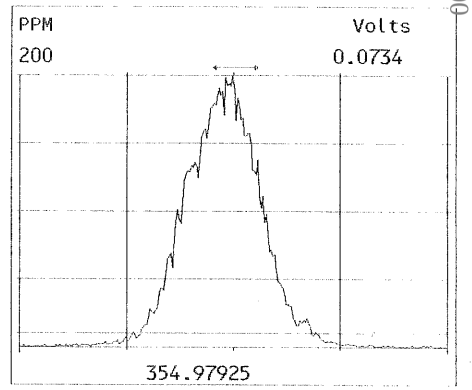
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z

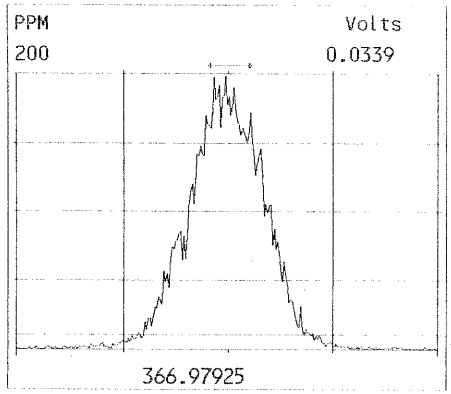
Experiment:1668PCB Function:5 Reference:PFK

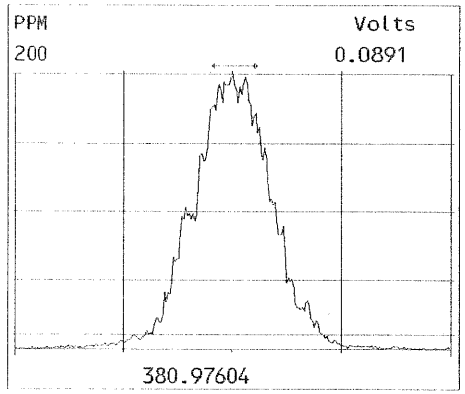


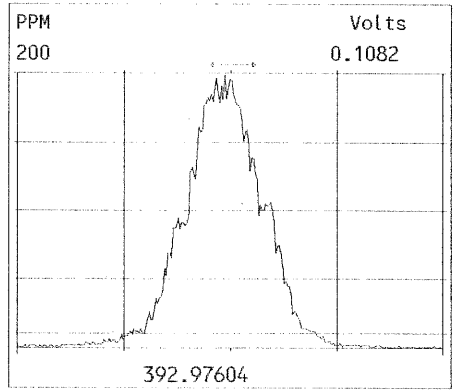


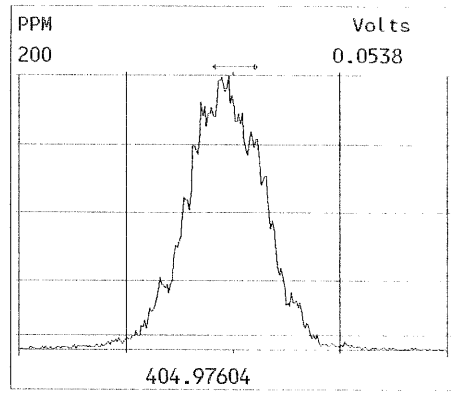


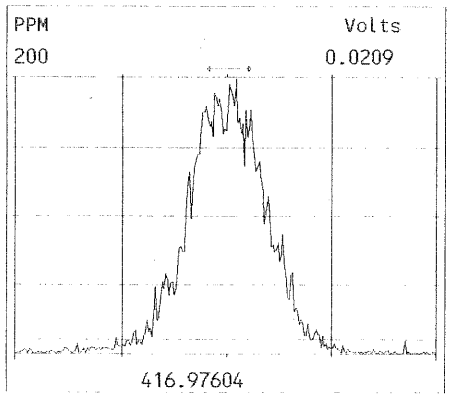


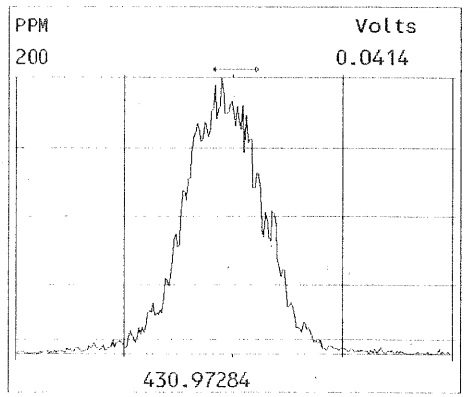


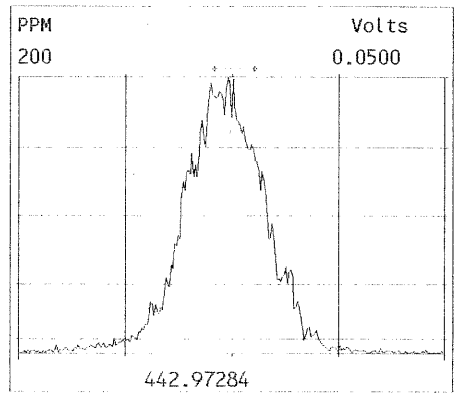




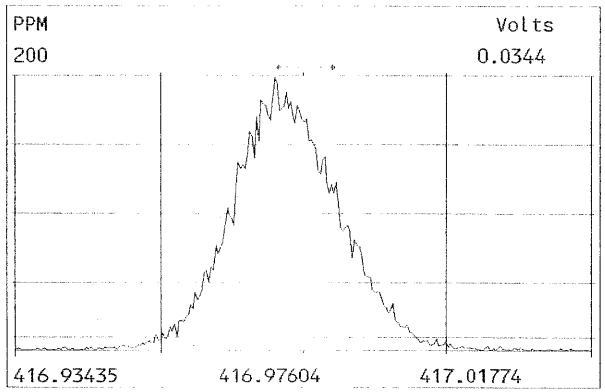


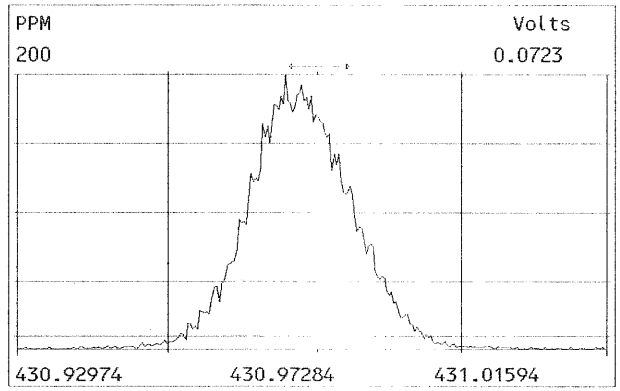


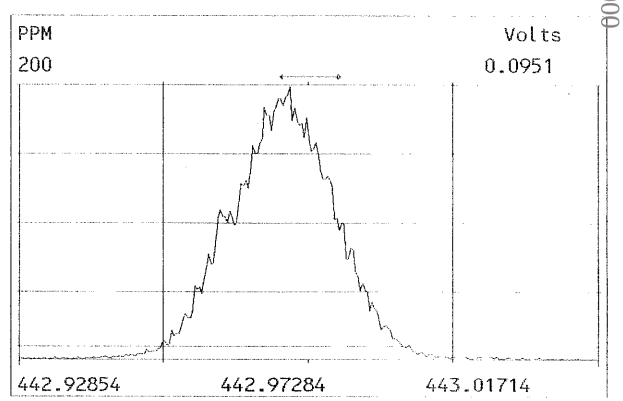


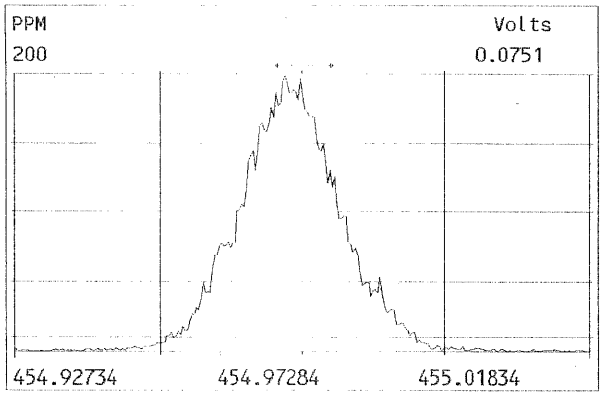


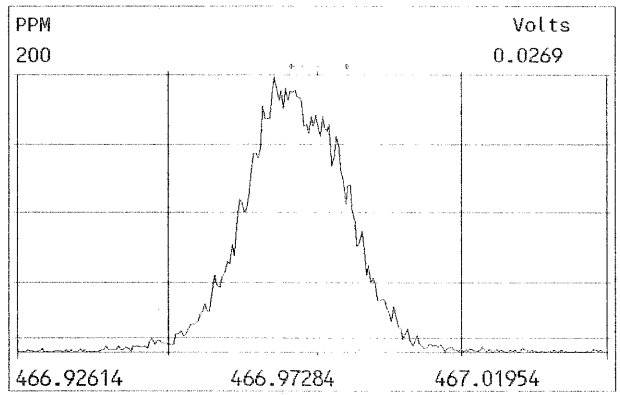
Peak Locate Examination:23-OCT-2020:10:50 File:23OCT20Z
Experiment:1668PCB Function:6 Reference:PFK

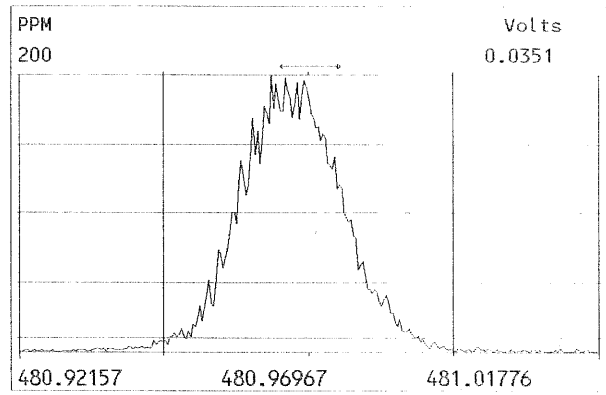


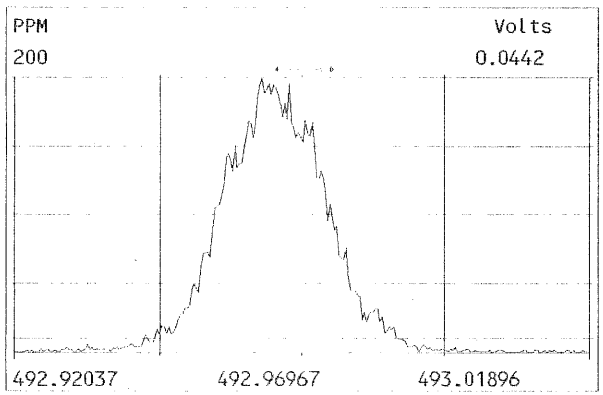


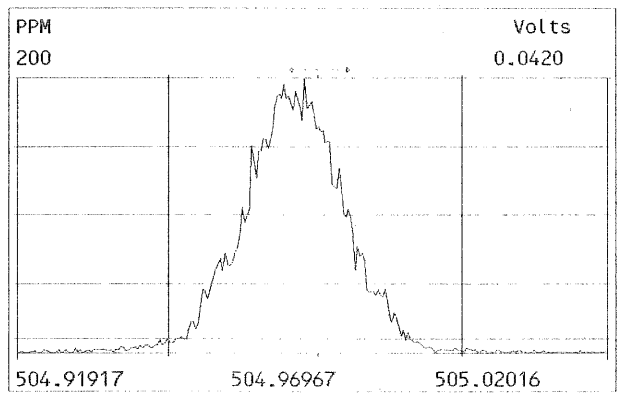


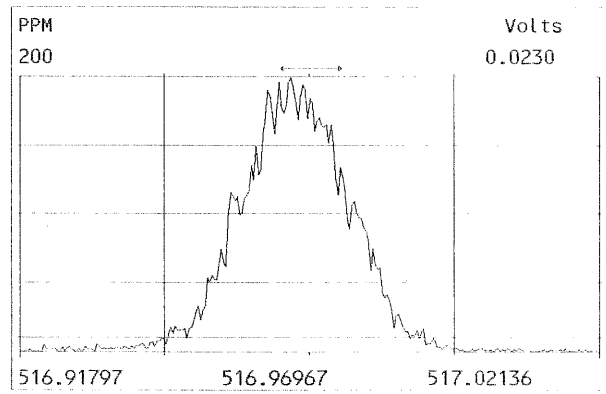




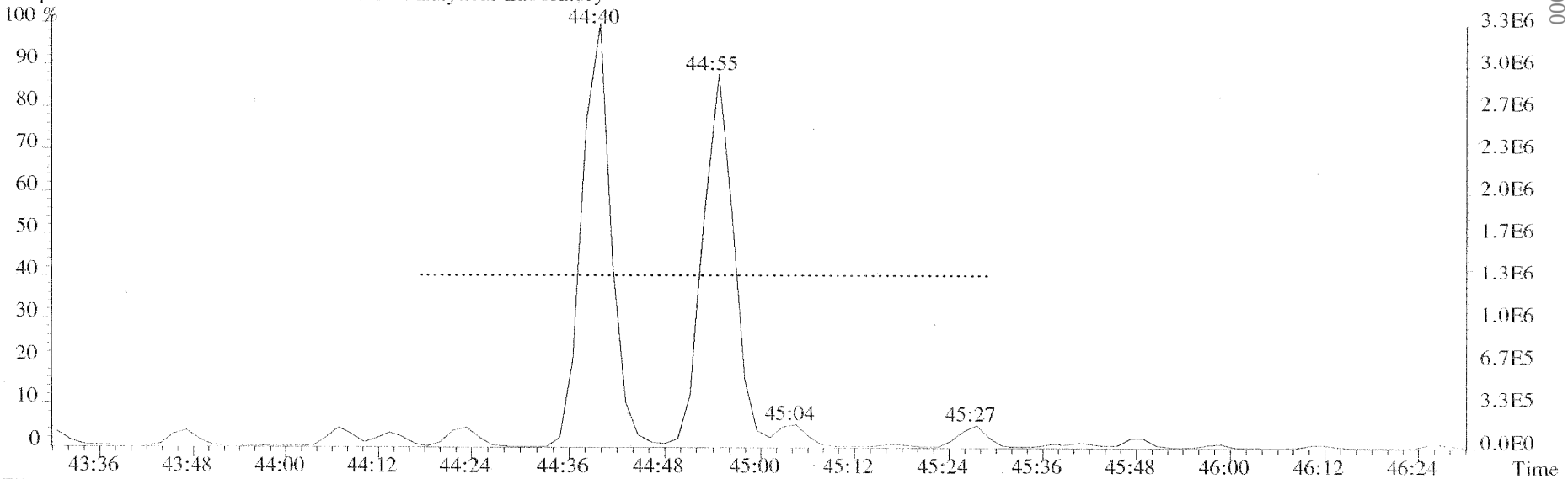




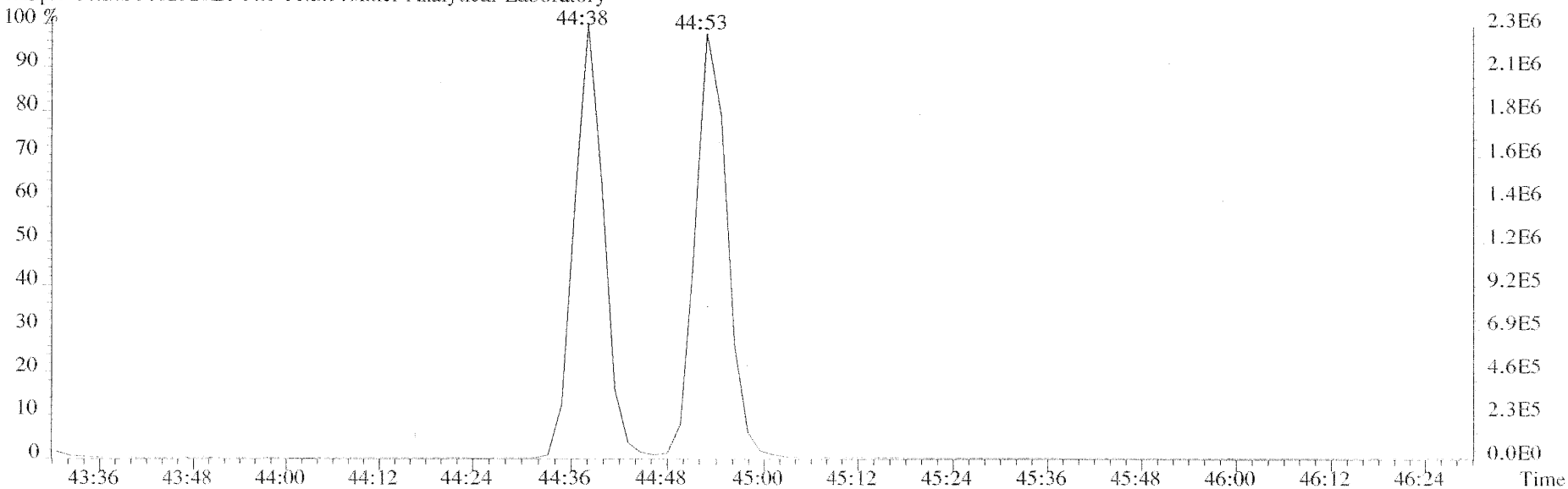




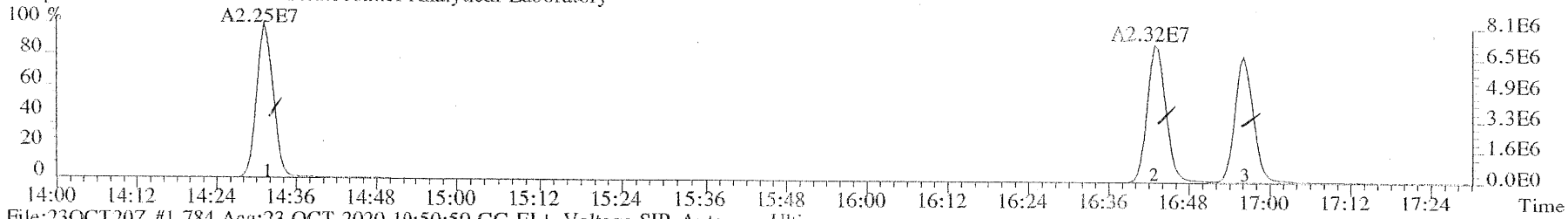
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



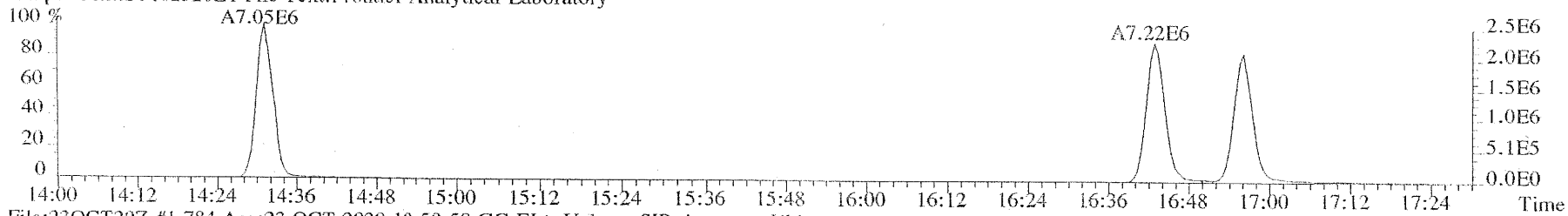
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



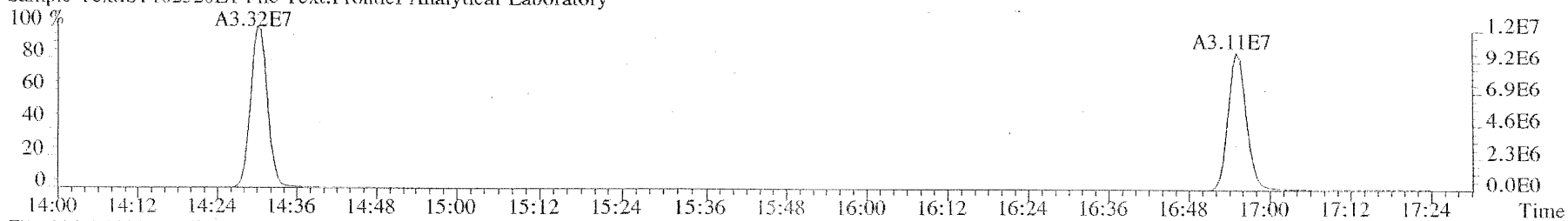
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



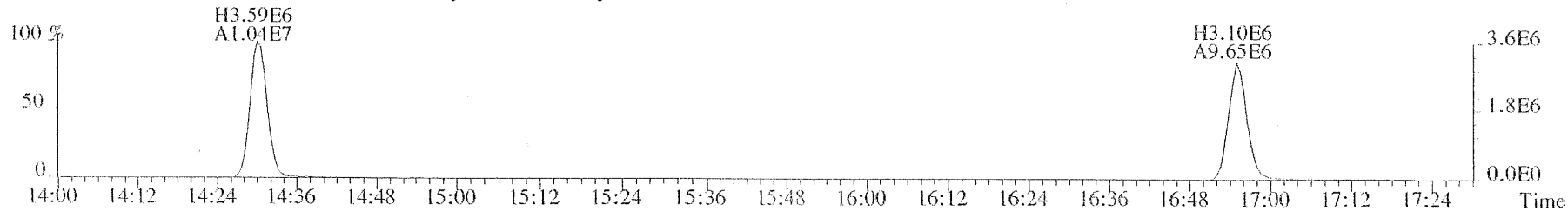
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



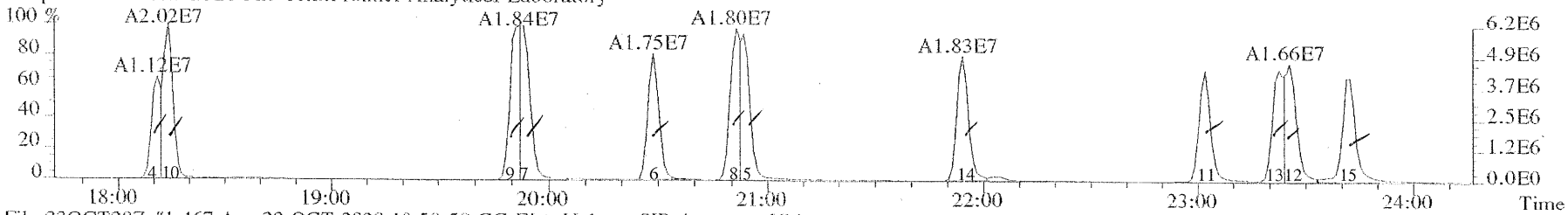
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



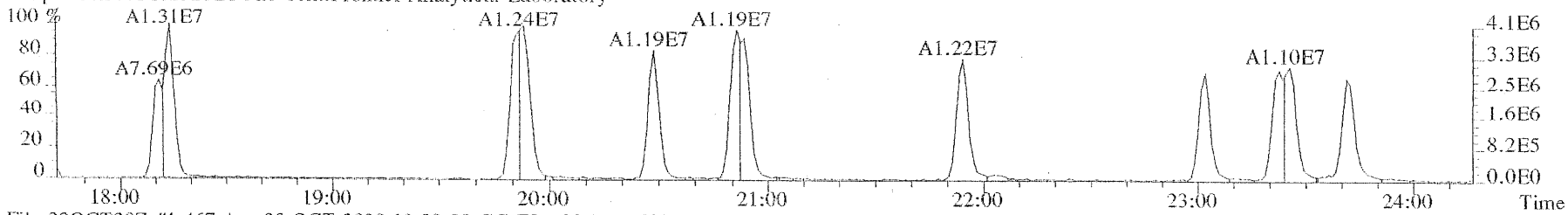
File:23OCT20Z #1-784 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



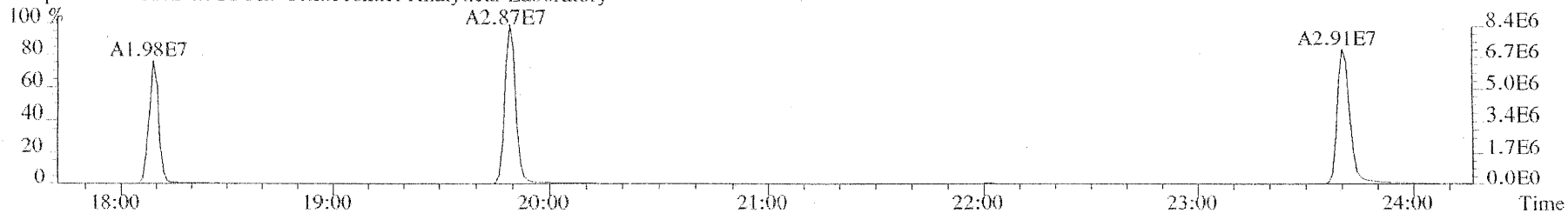
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



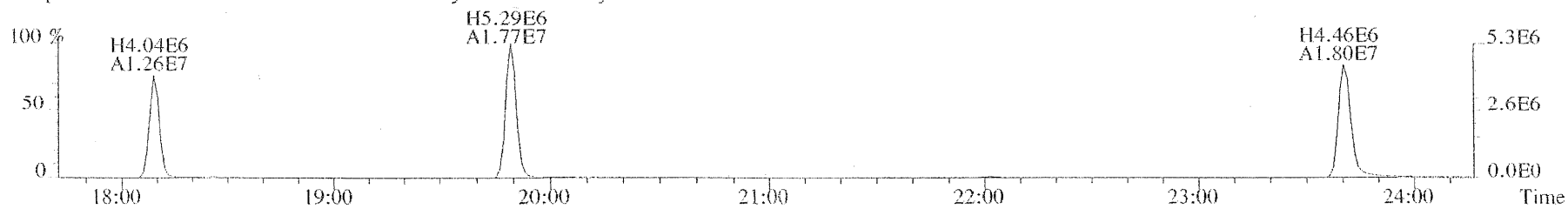
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



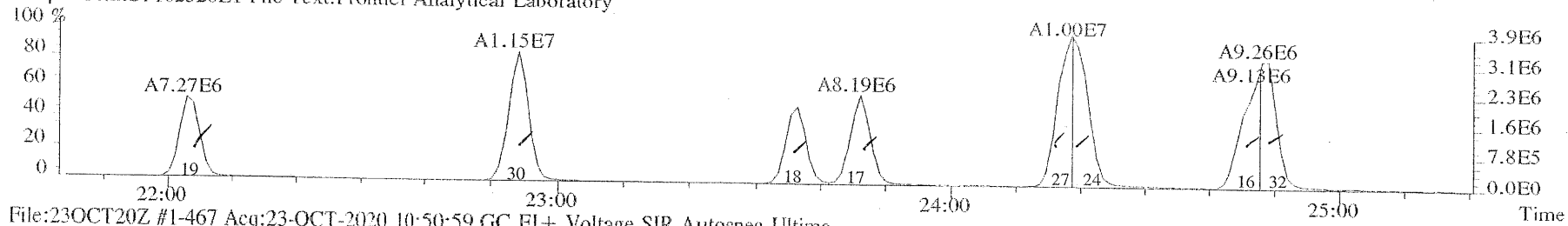
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



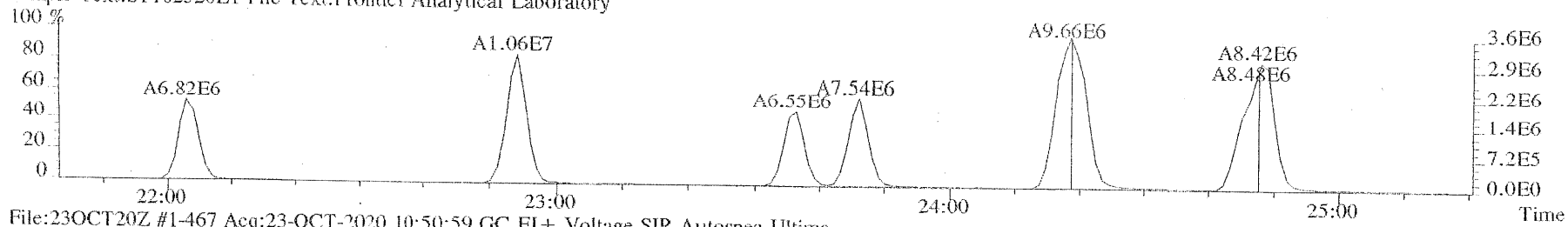
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



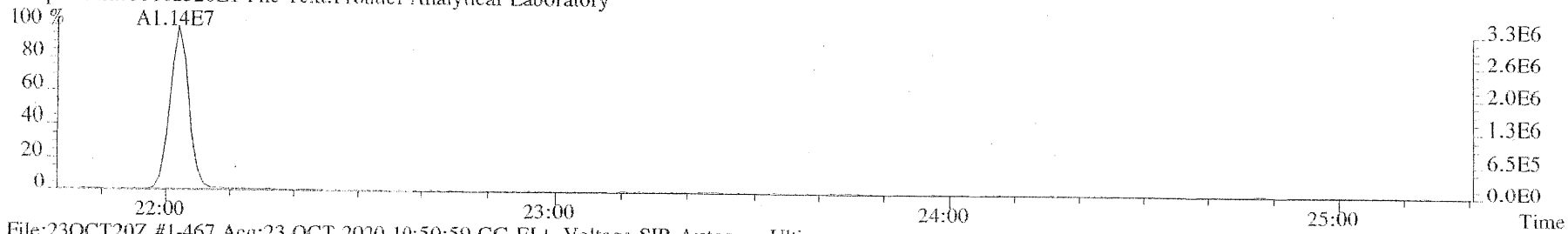
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



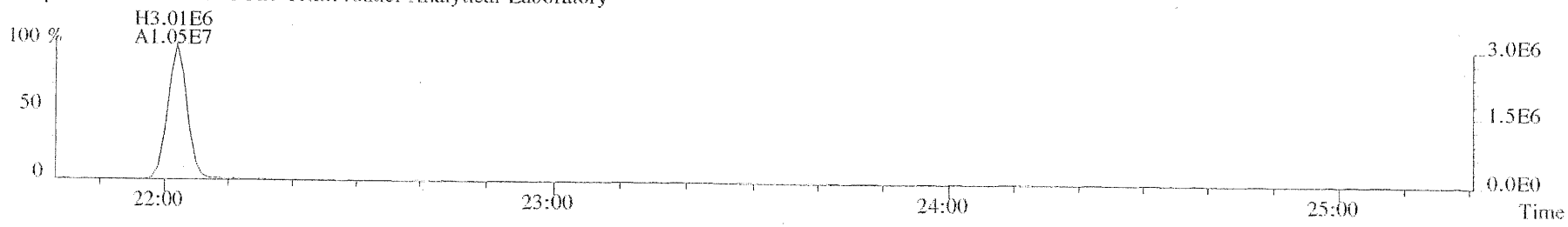
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



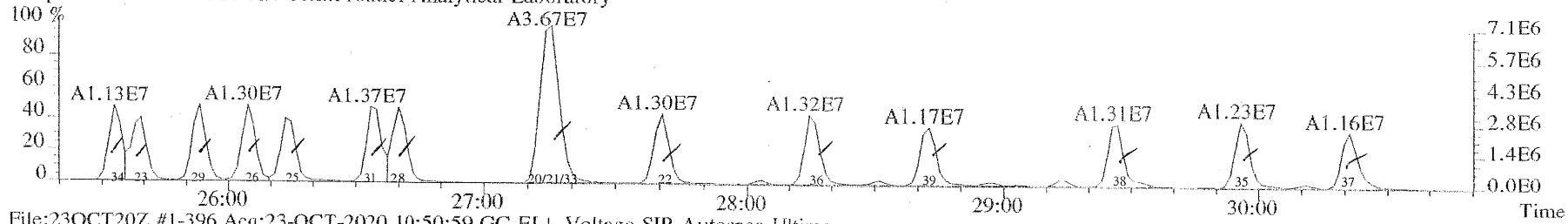
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



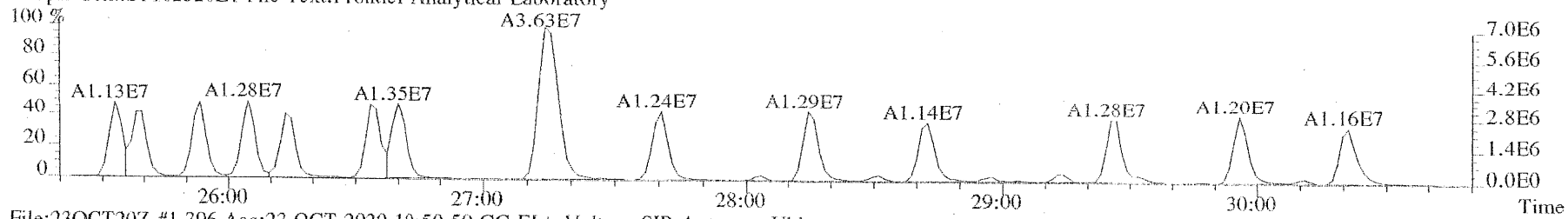
File:23OCT20Z #1-467 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



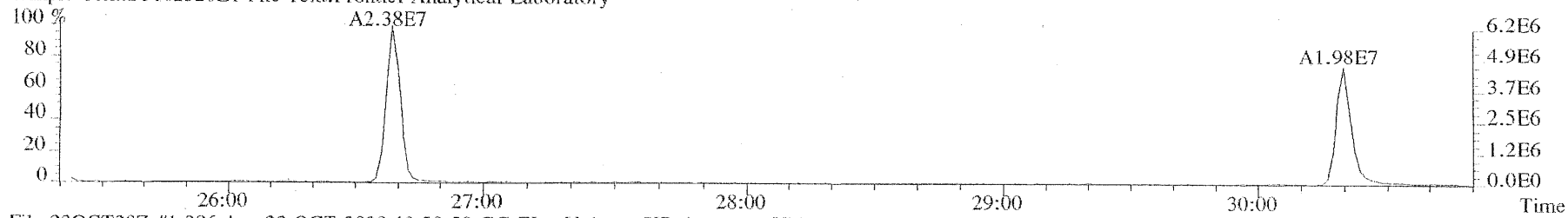
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



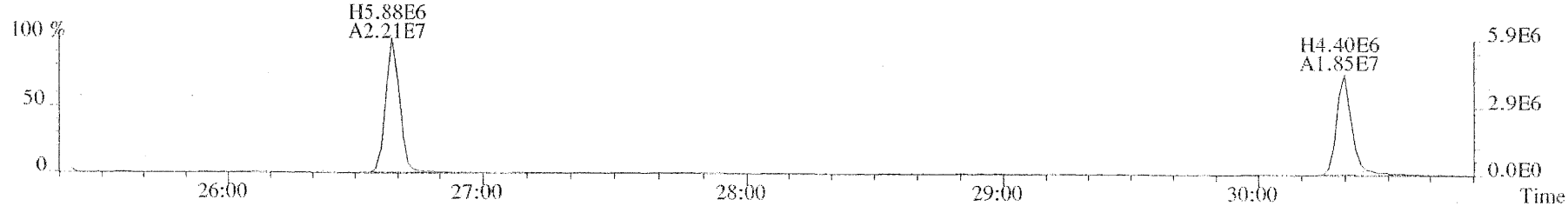
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



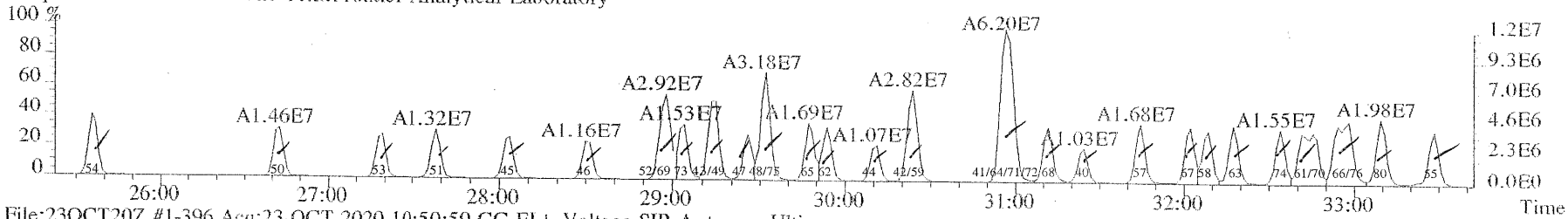
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



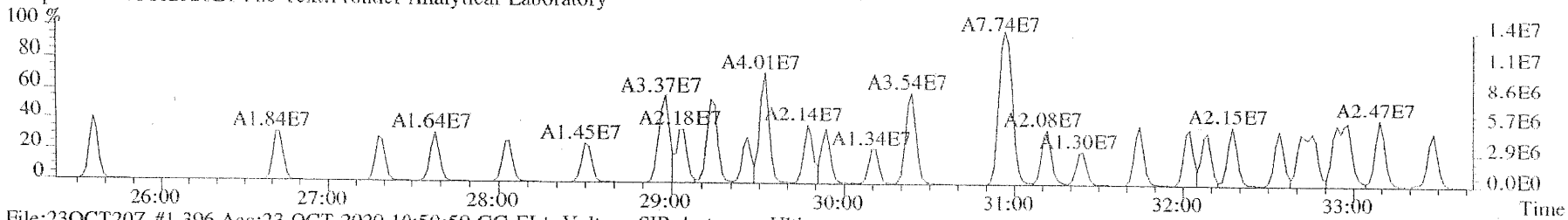
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



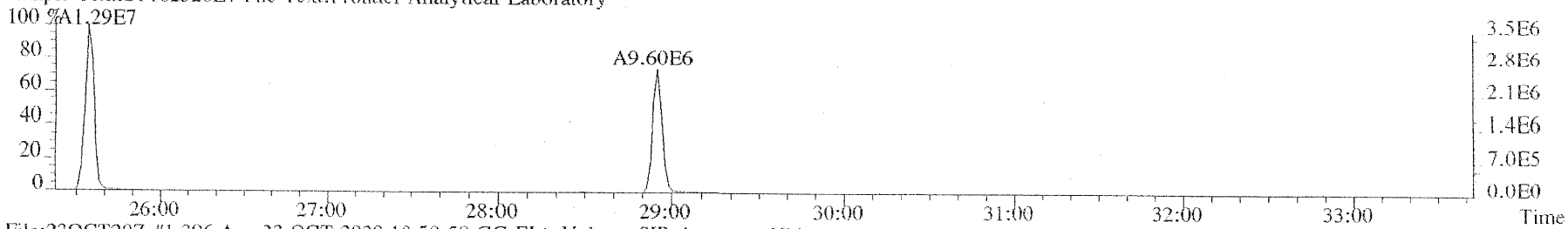
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



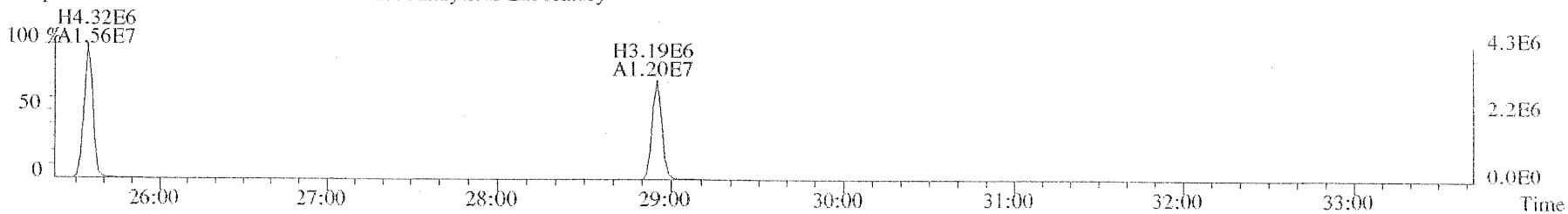
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



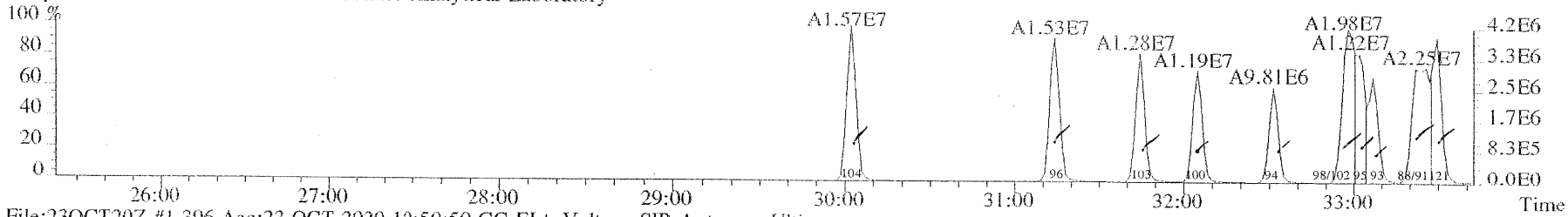
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



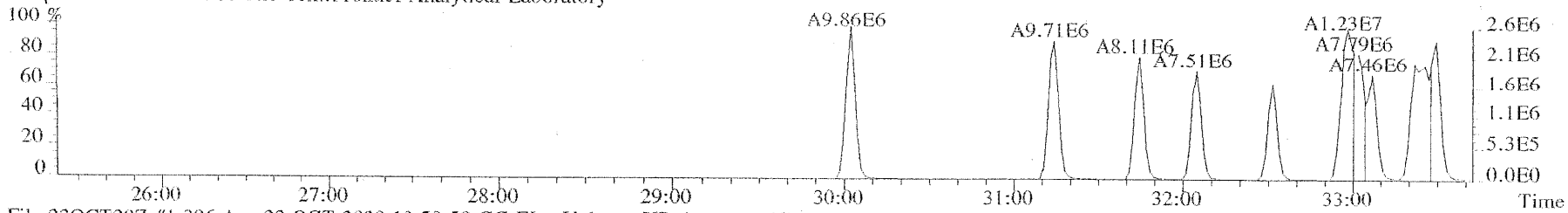
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



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



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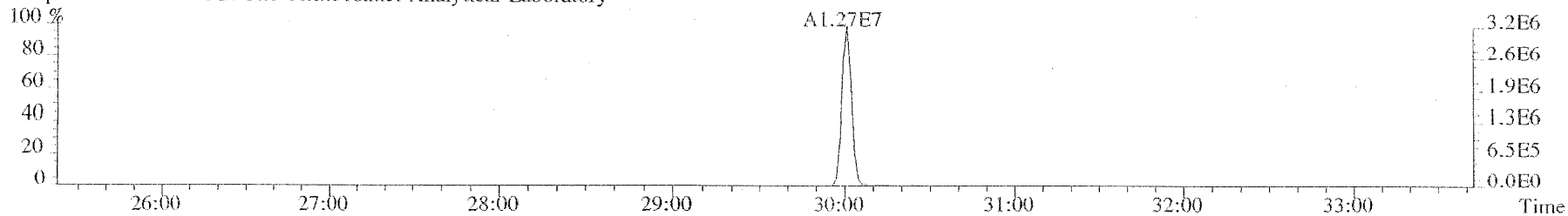
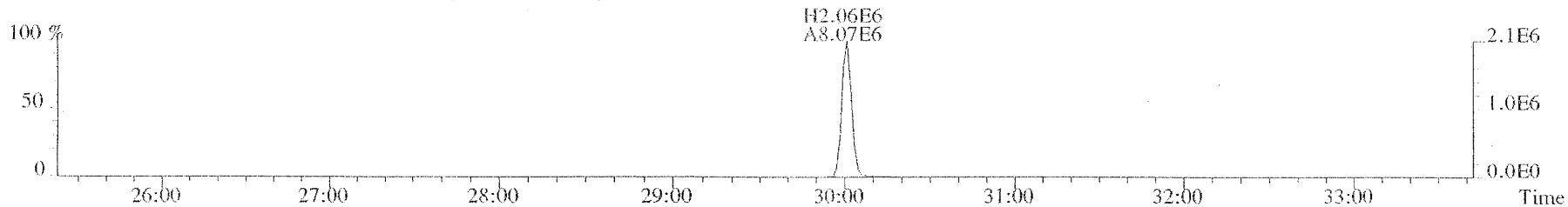
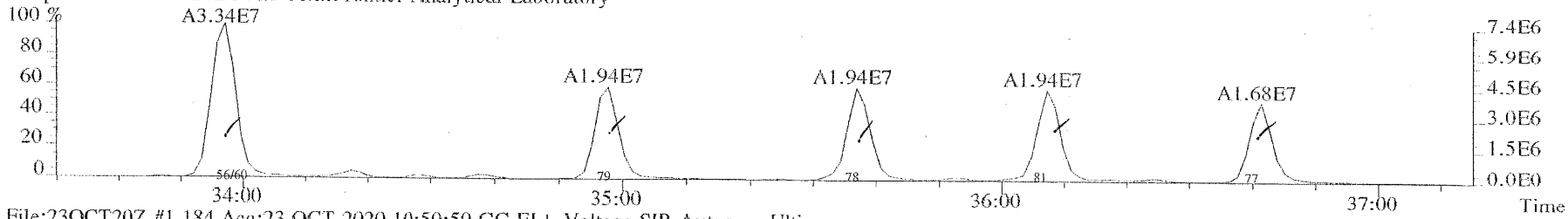
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



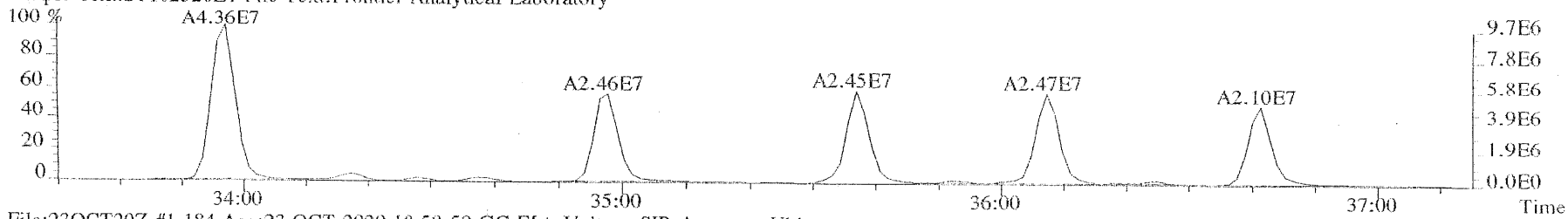
File:23OCT20Z #1-396 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



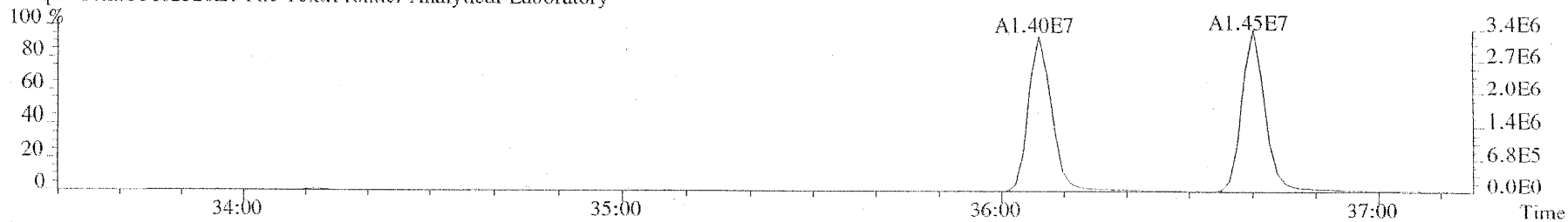
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



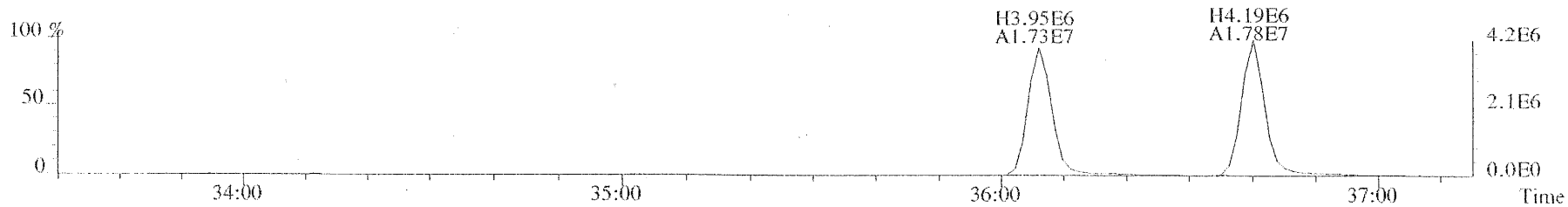
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



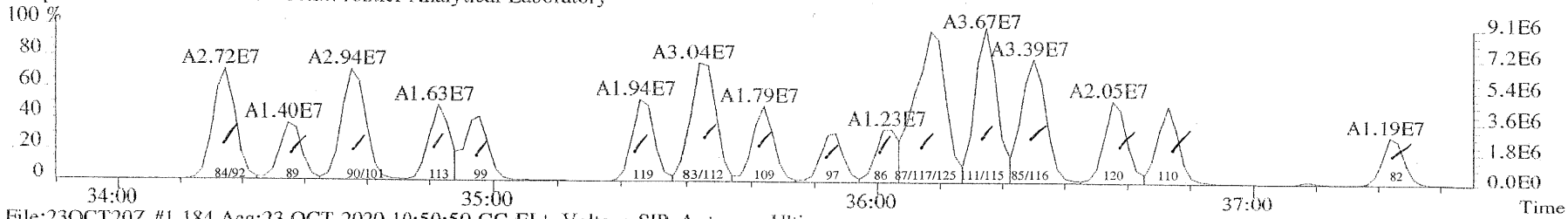
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



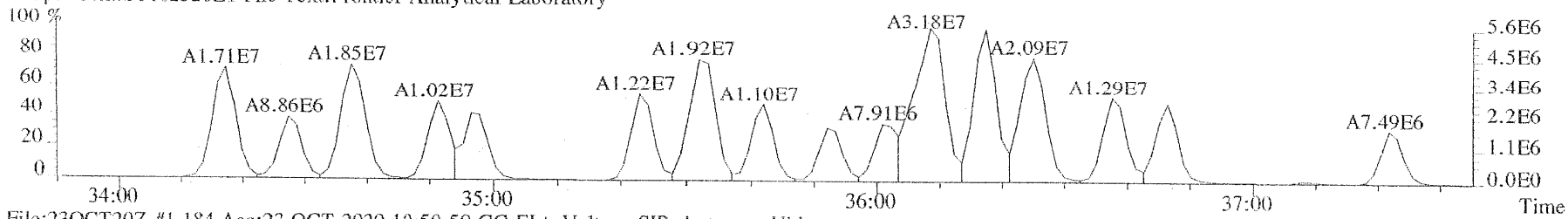
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



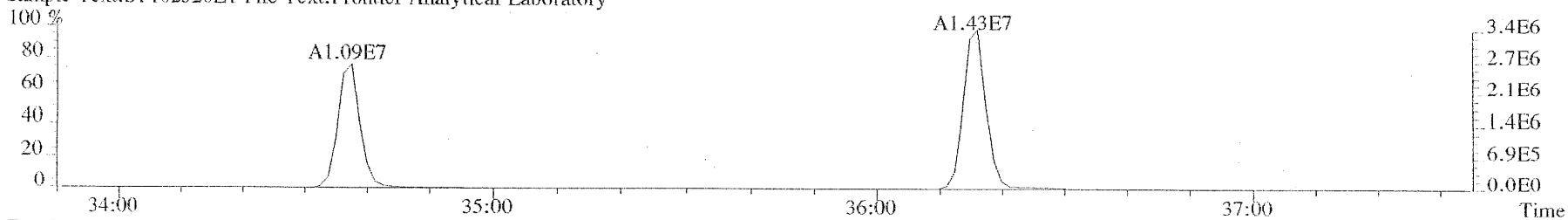
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



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
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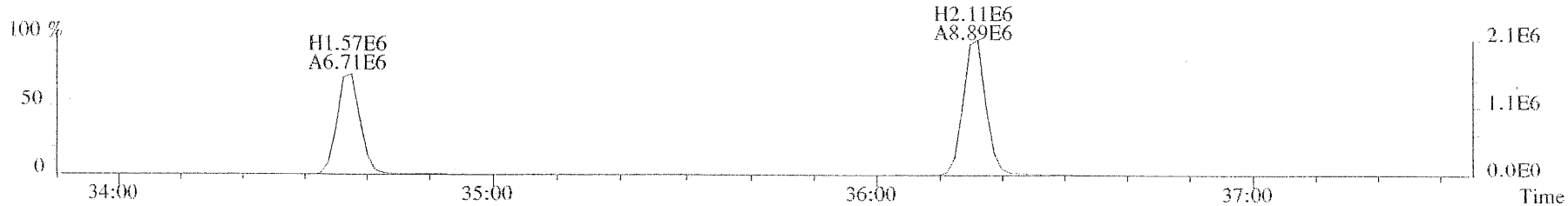
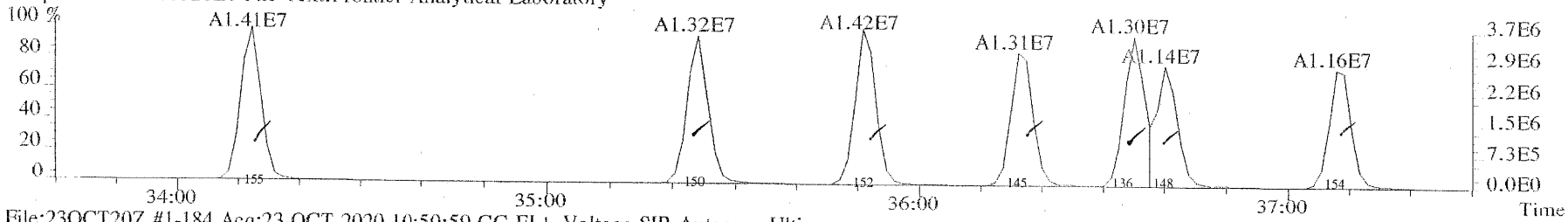
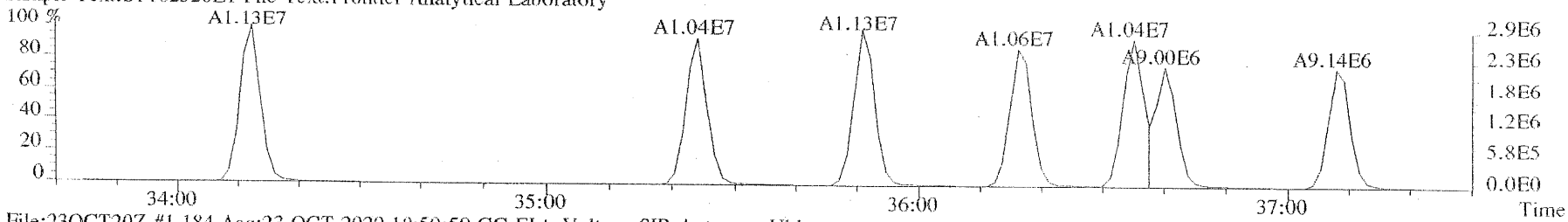
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



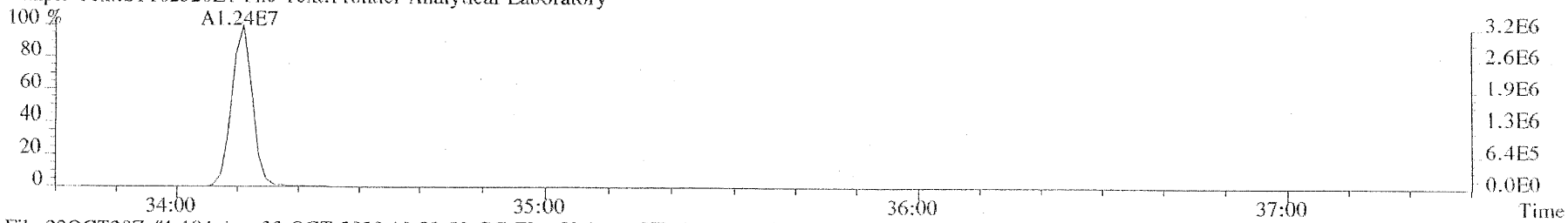
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



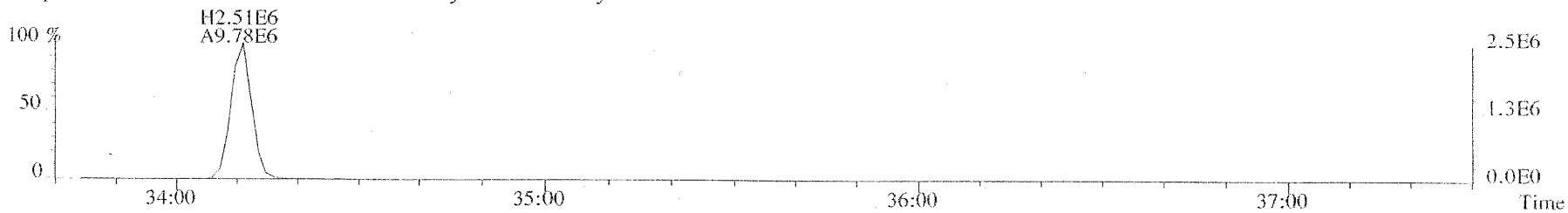
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



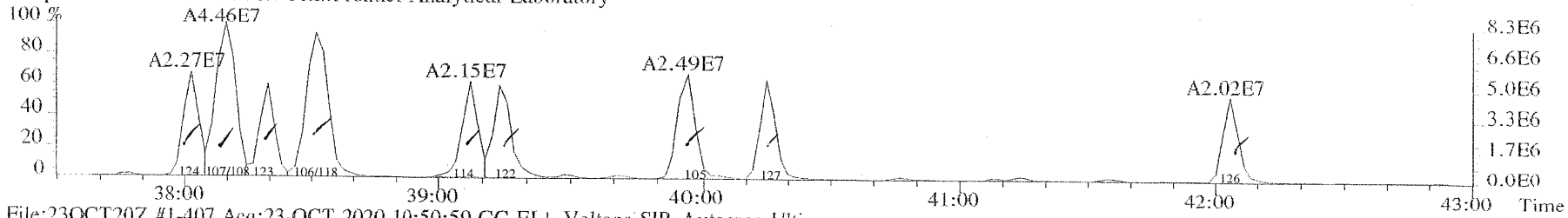
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



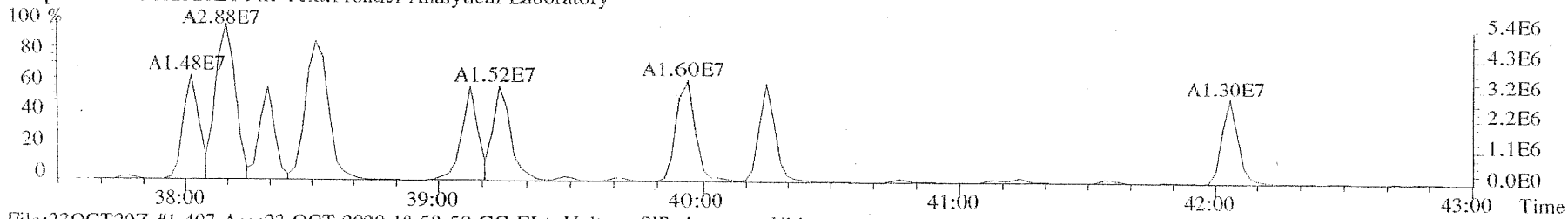
File:23OCT20Z #1-184 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



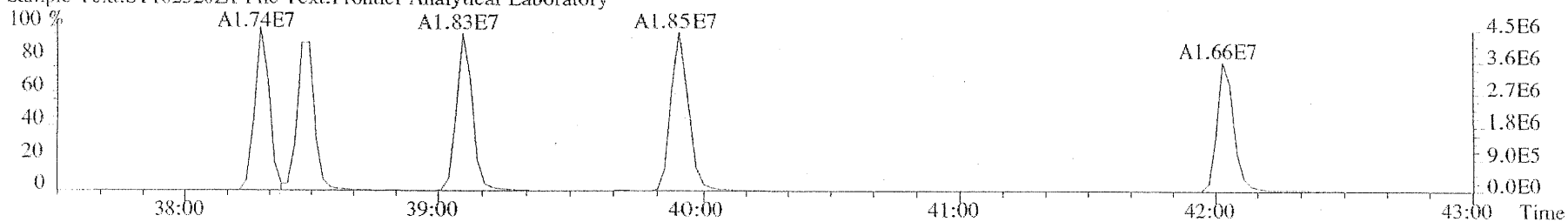
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



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
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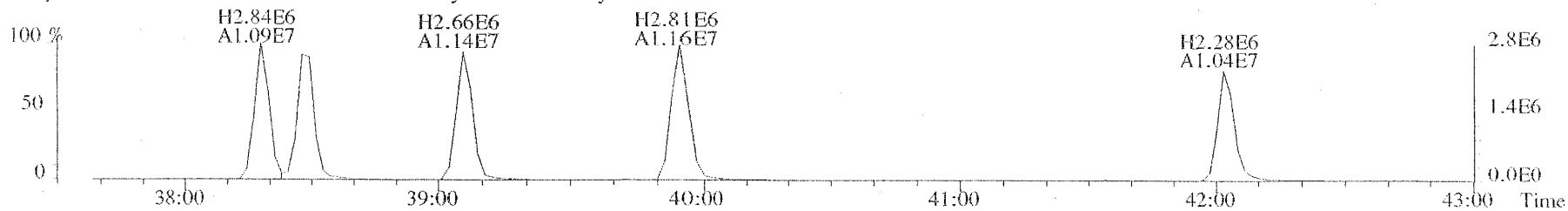
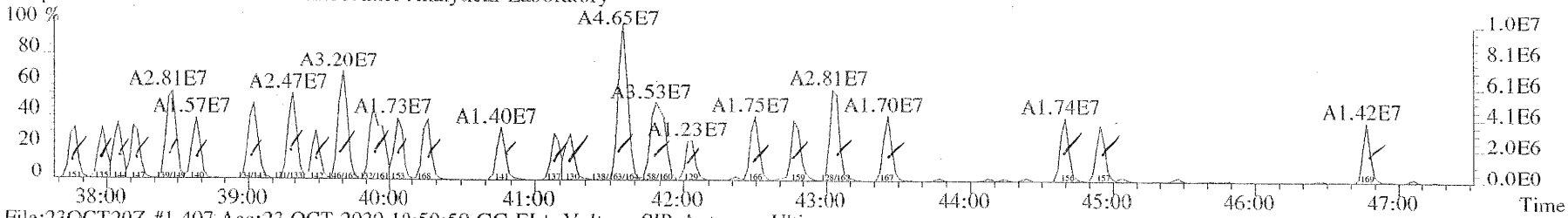
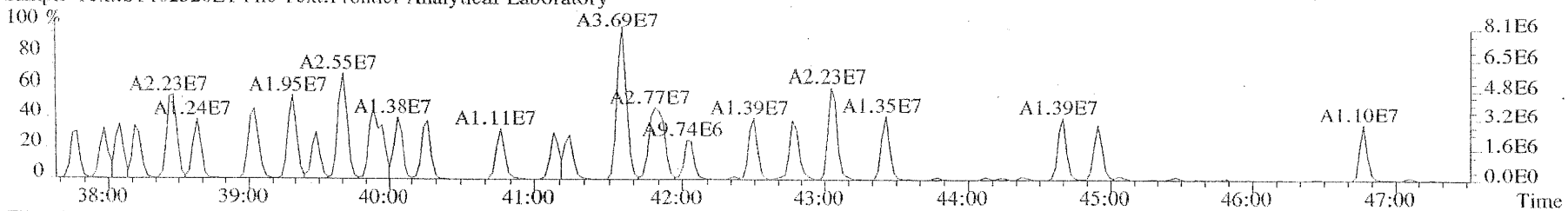
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



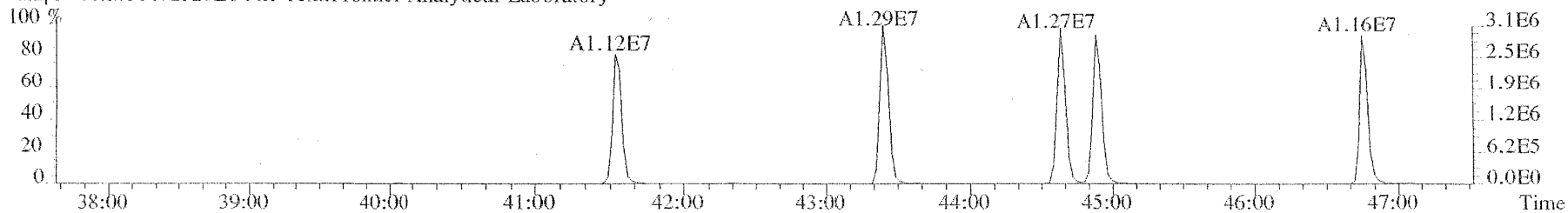
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



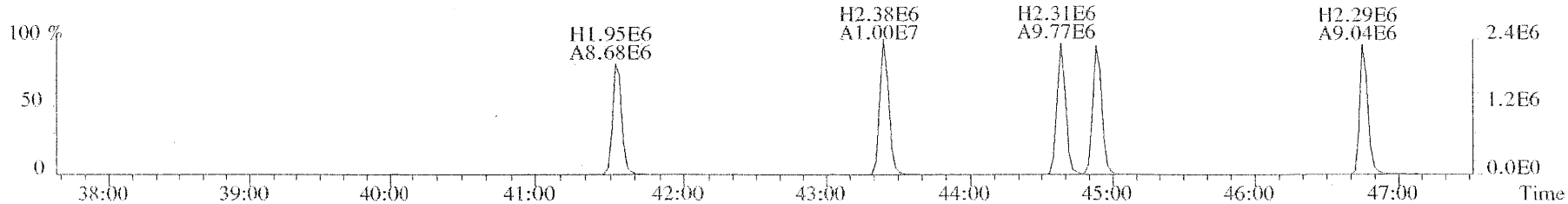
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



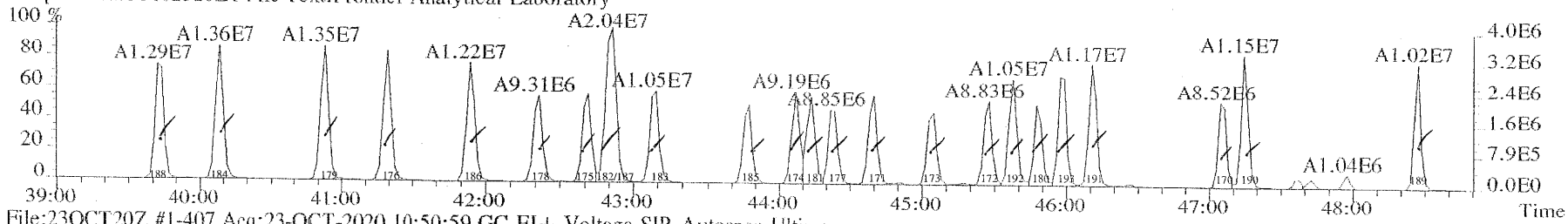
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



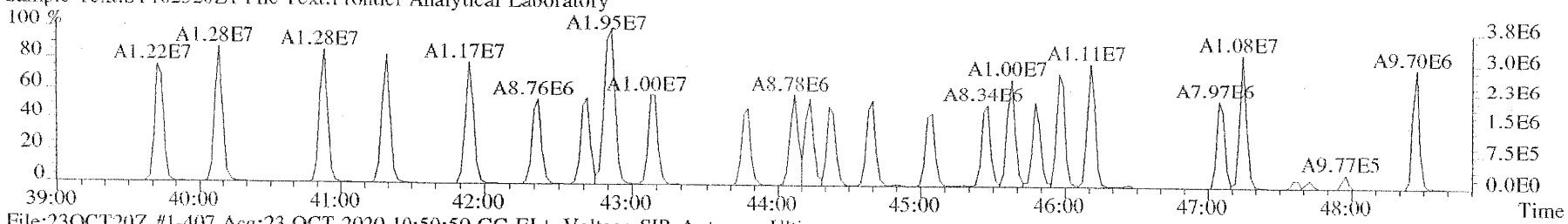
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



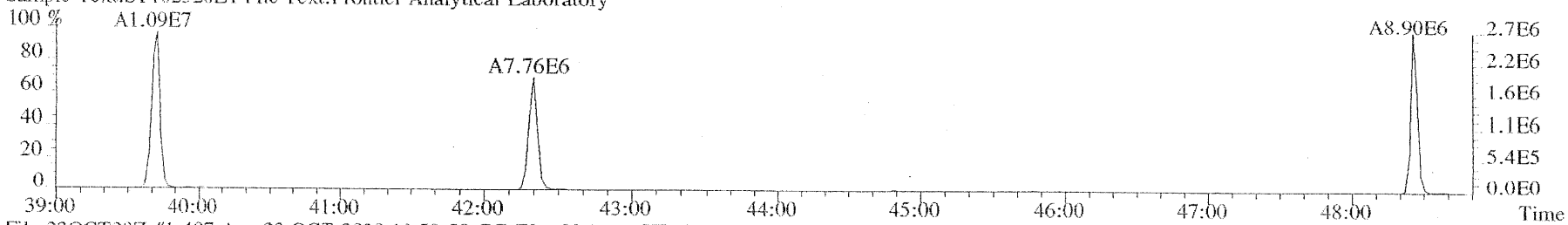
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



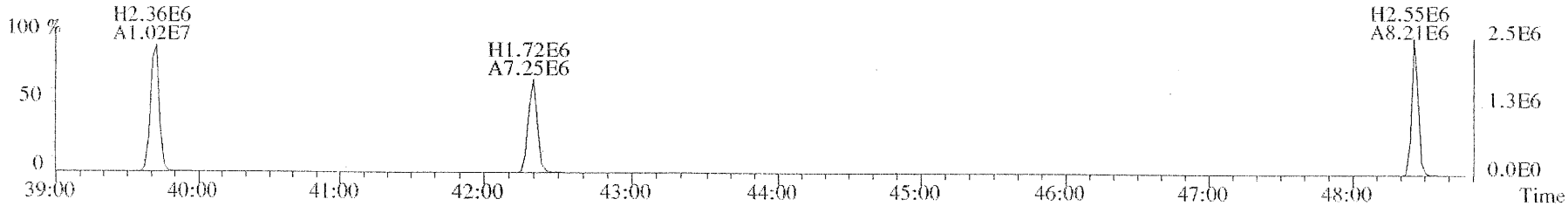
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



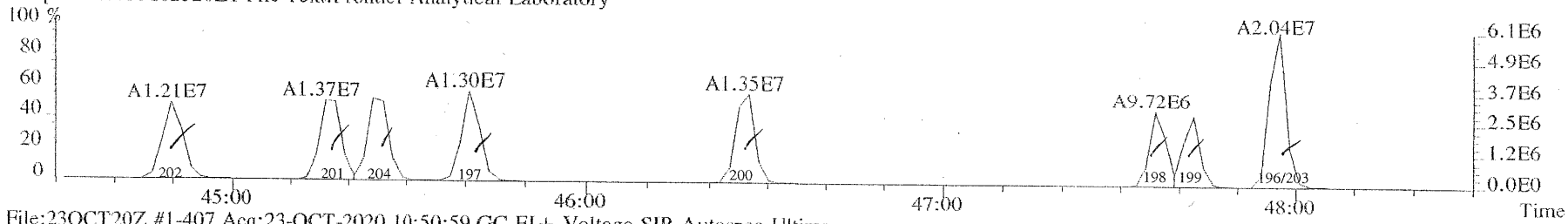
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



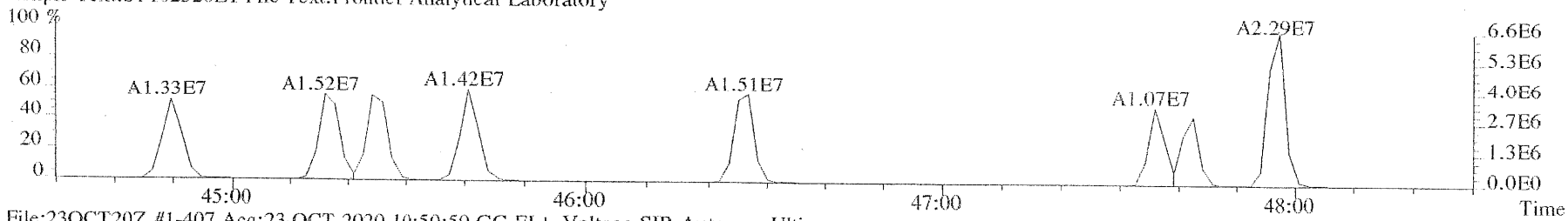
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



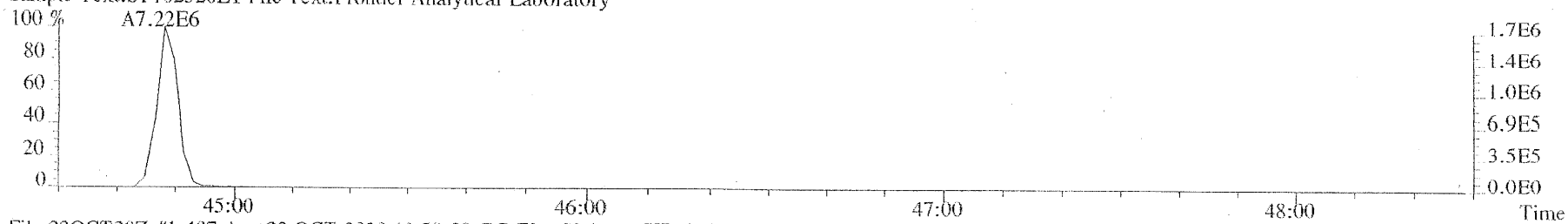
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



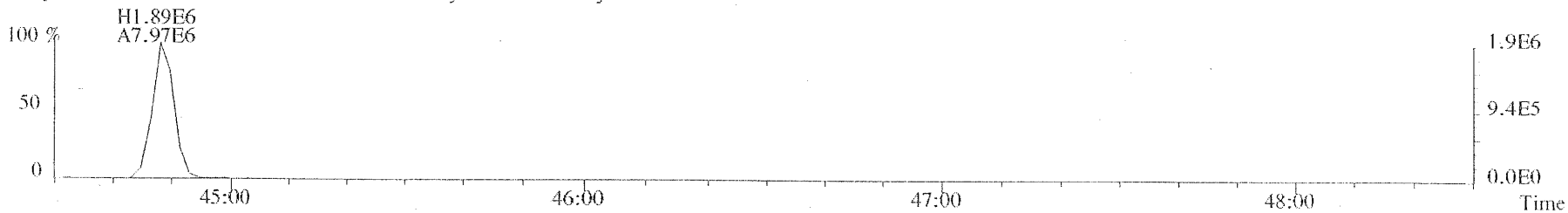
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



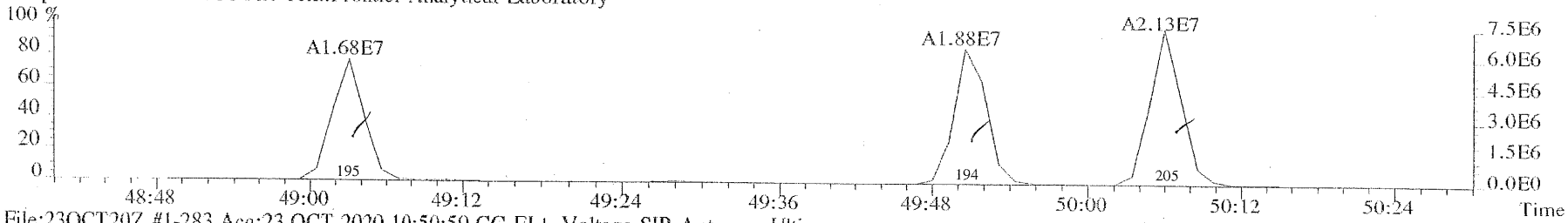
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



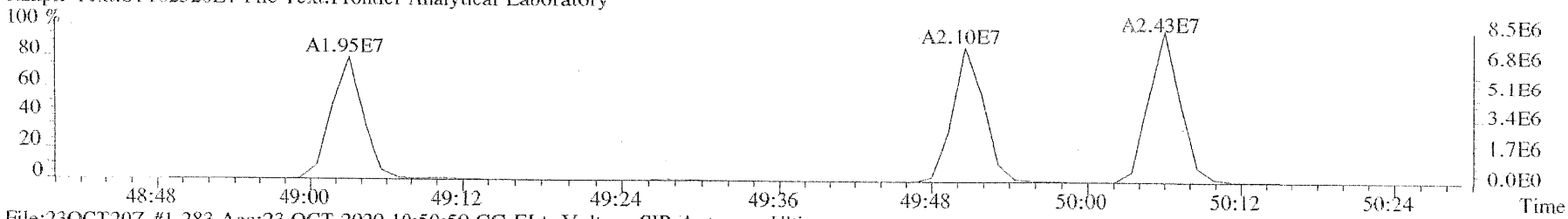
File:23OCT20Z #1-407 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



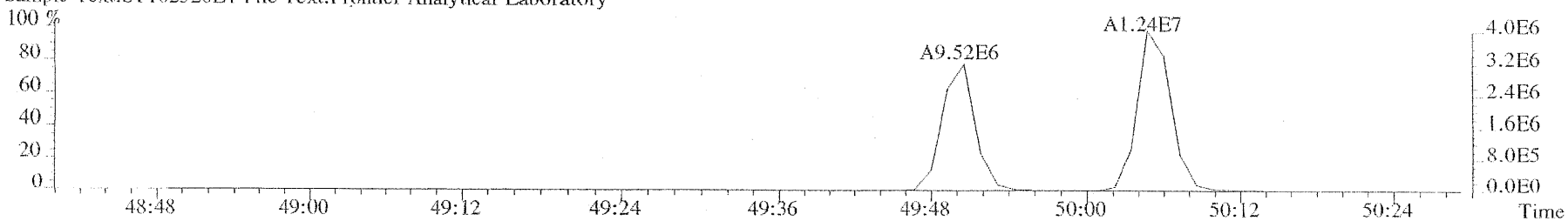
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



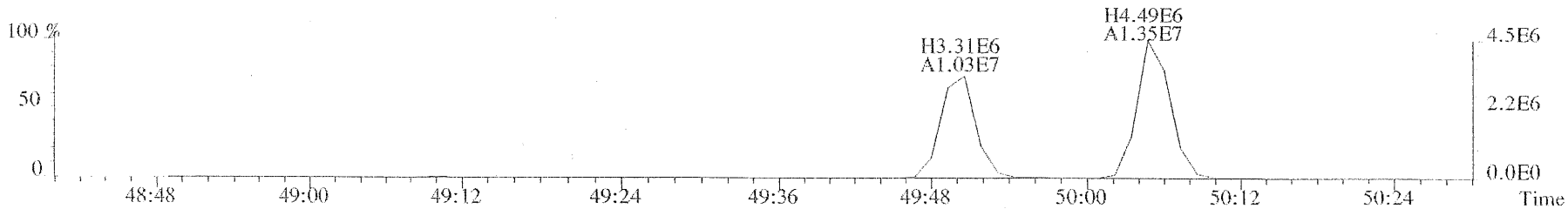
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



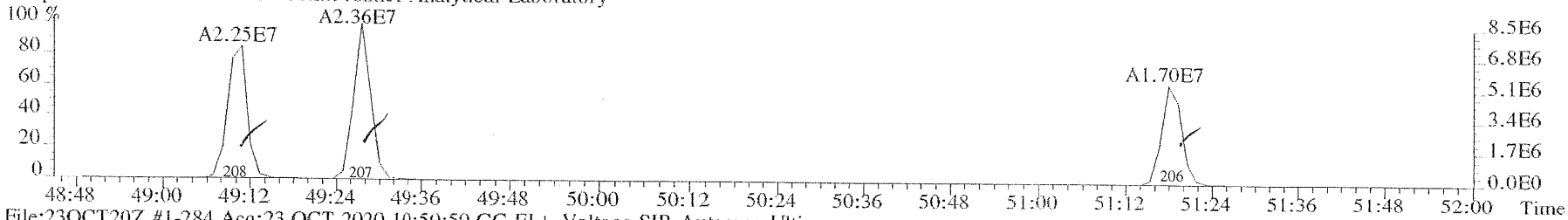
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



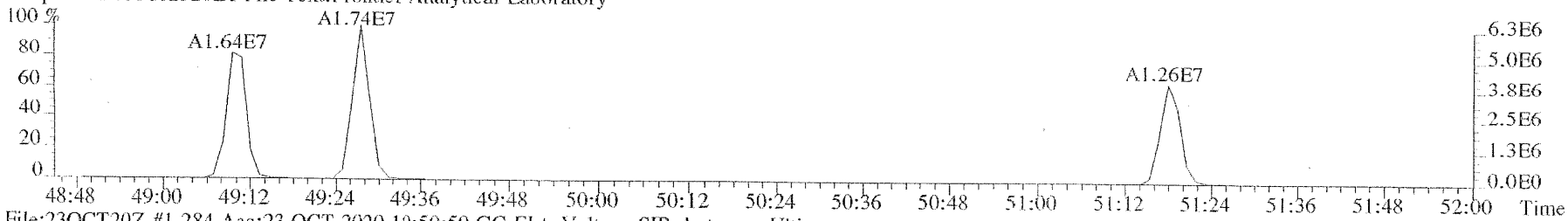
File:23OCT20Z #1-283 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



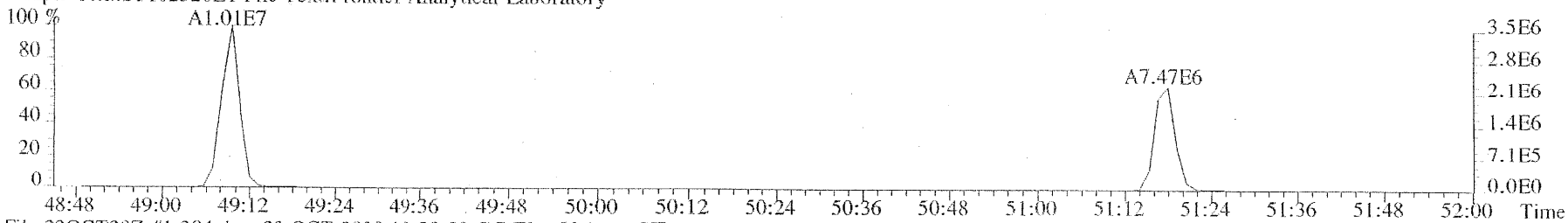
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



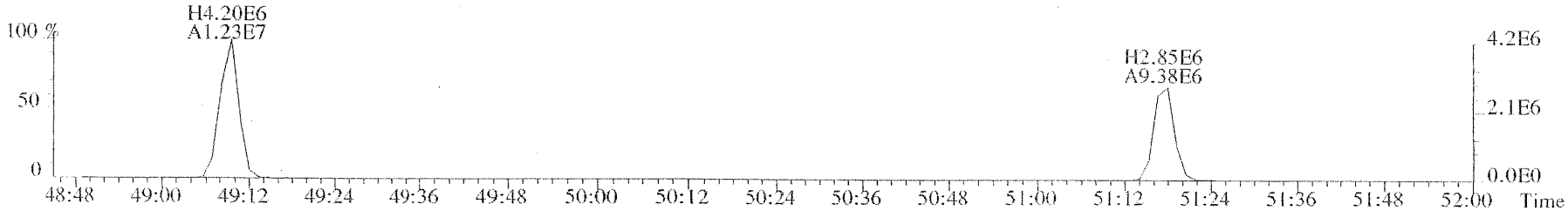
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



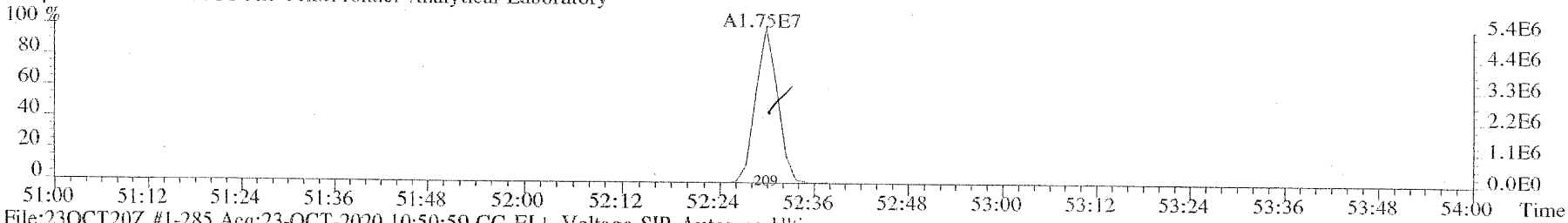
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



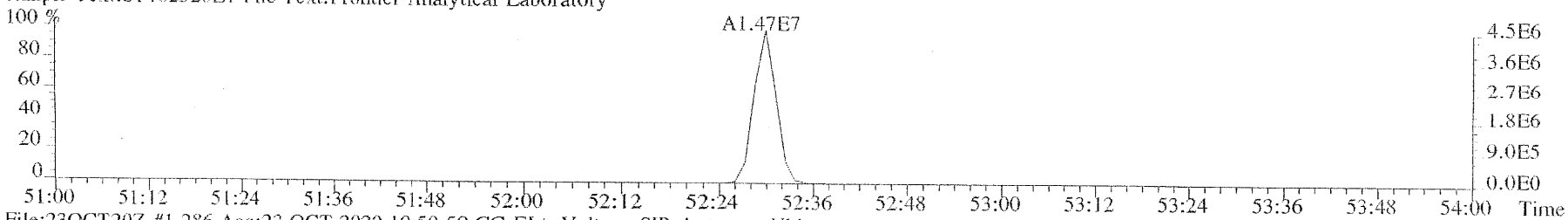
File:23OCT20Z #1-284 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



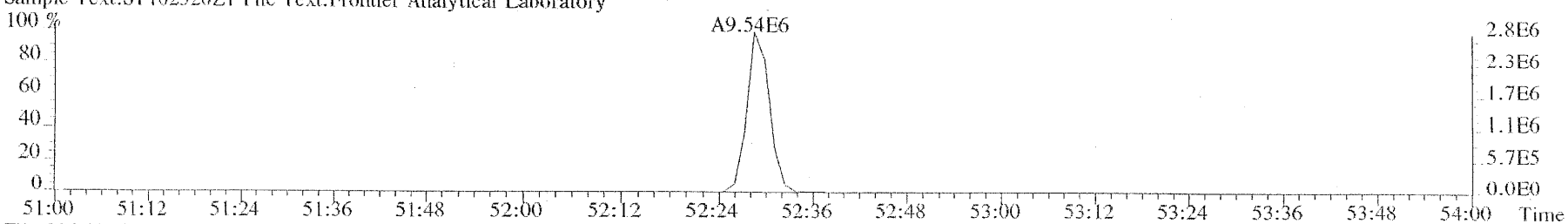
File:23OCT20Z #1-285 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



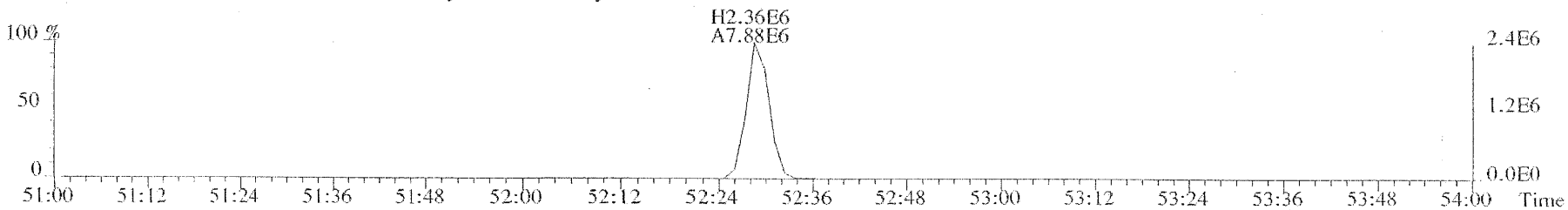
File:23OCT20Z #1-285 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory



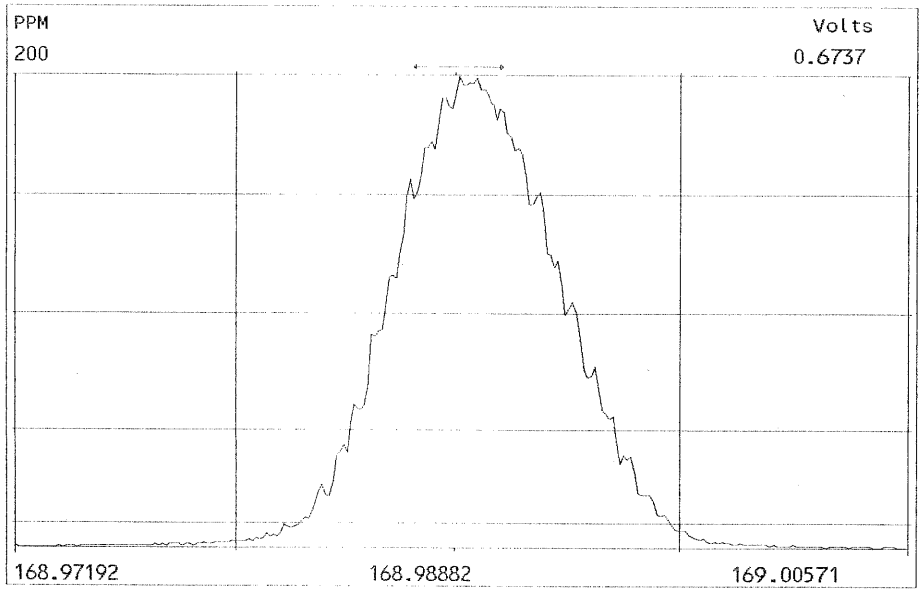
File:23OCT20Z #1-286 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory

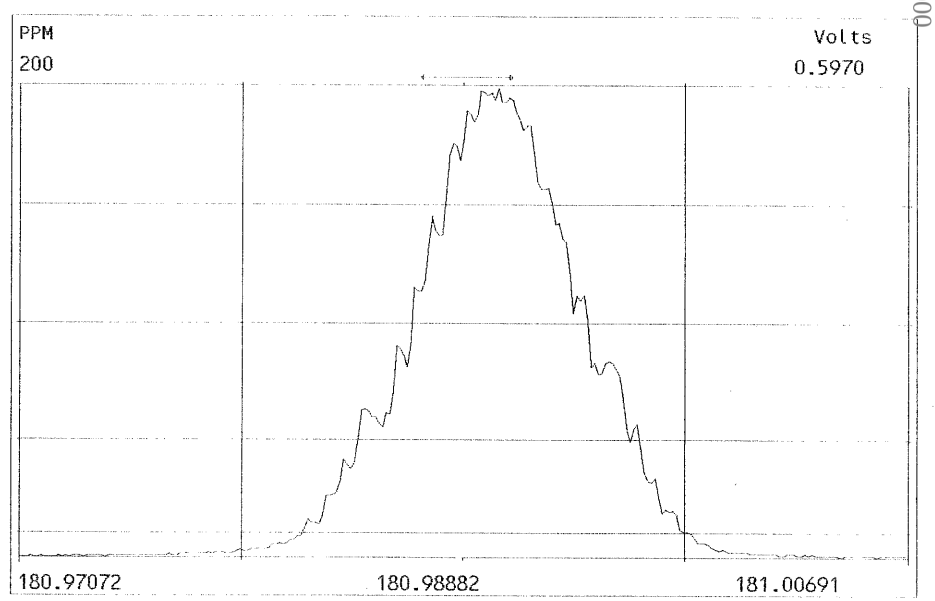


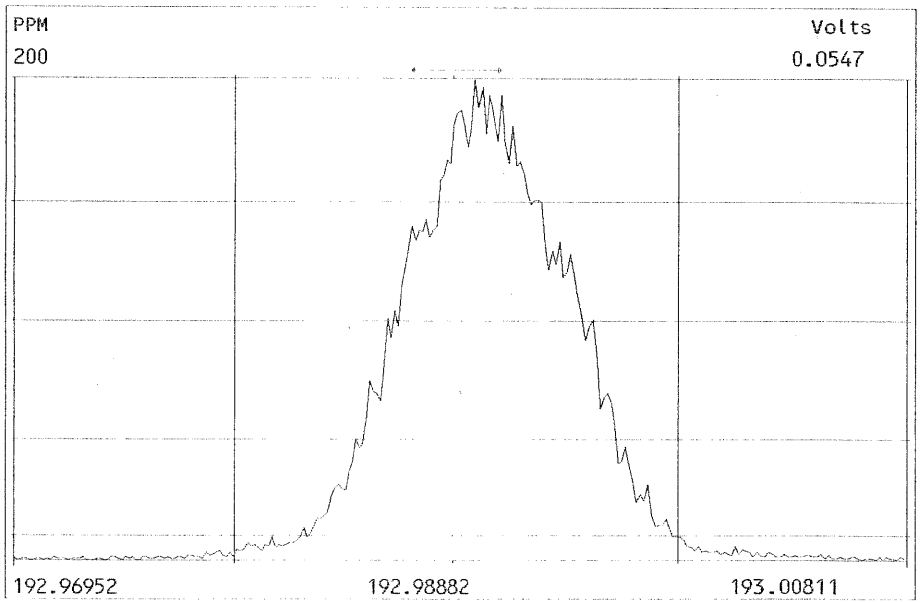
File:23OCT20Z #1-286 Acq:23-OCT-2020 10:50:59 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z1 File Text:Frontier Analytical Laboratory

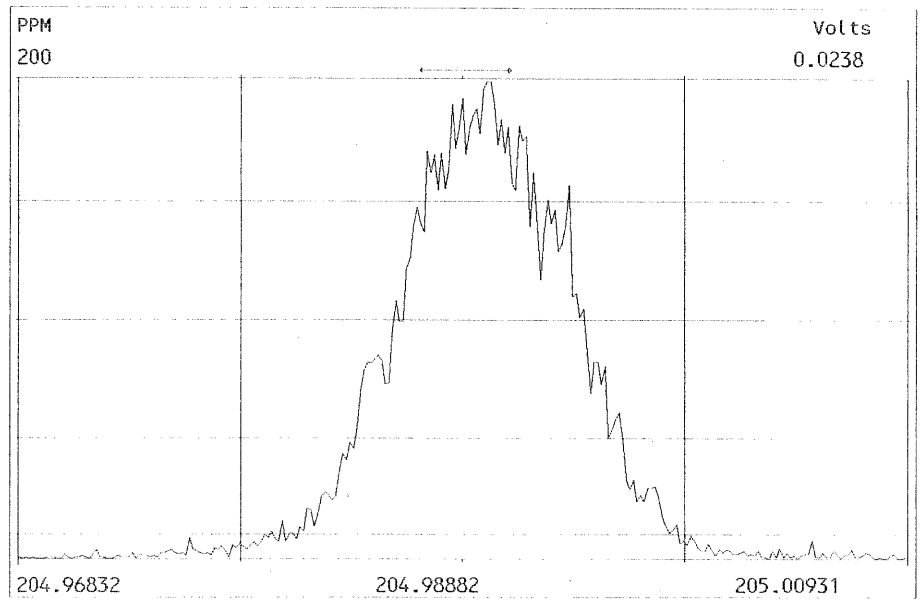


Peak Locate Examination:24-OCT-2020:01:55 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



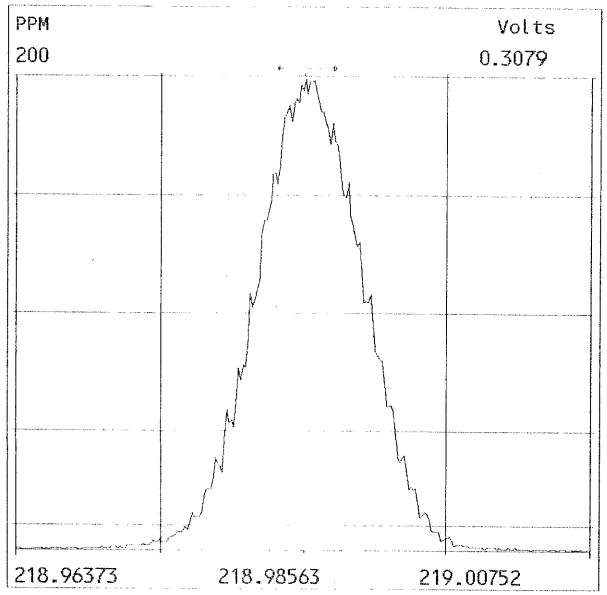


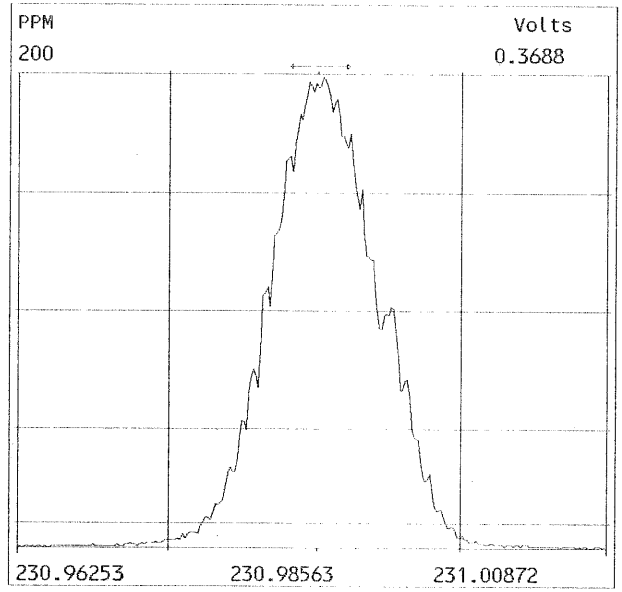


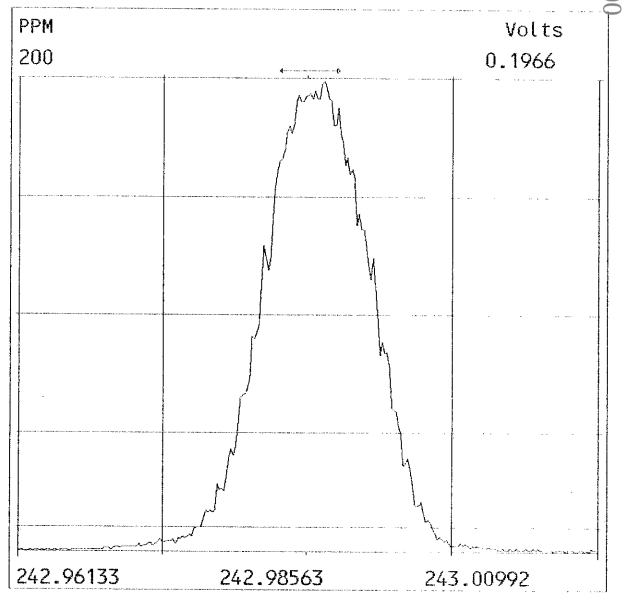


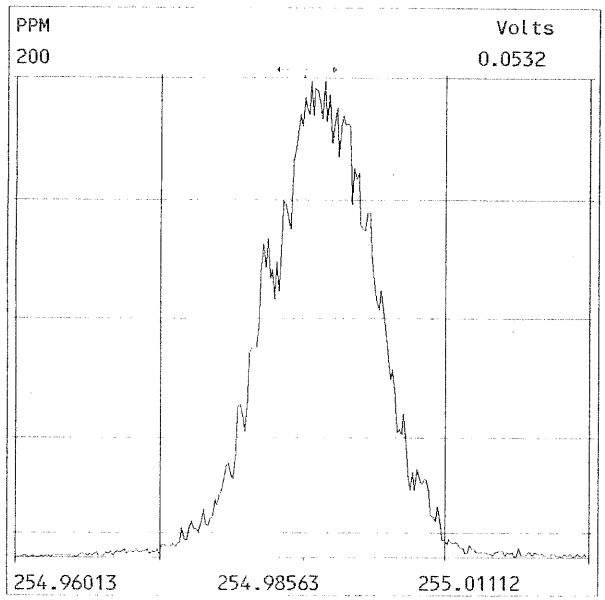
Peak Locate Examination:24-OCT-2020:01:58 File:23OCT20Z_RES_CHECK

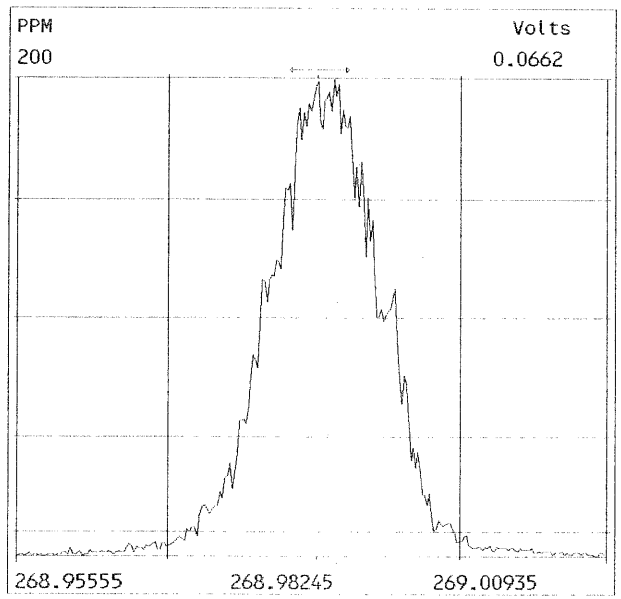
Experiment:1668PCB Function:2 Reference:PFK

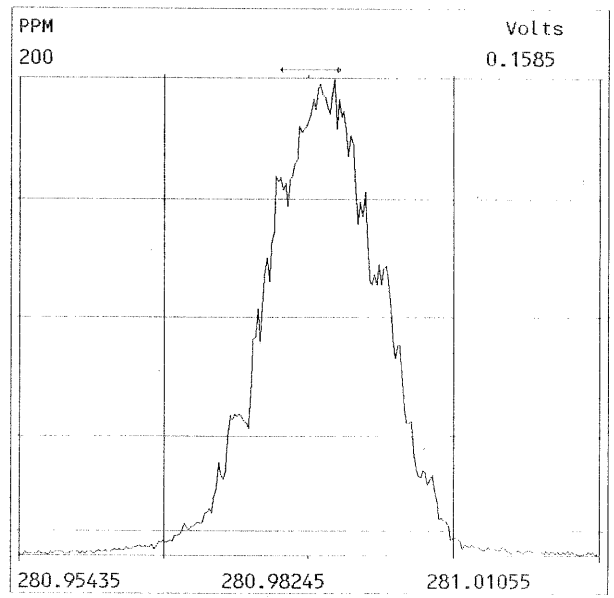




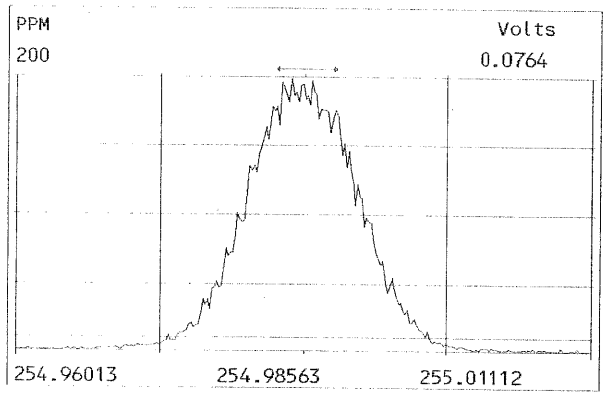


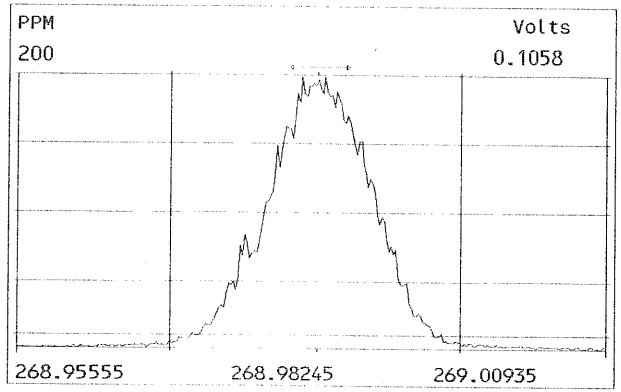


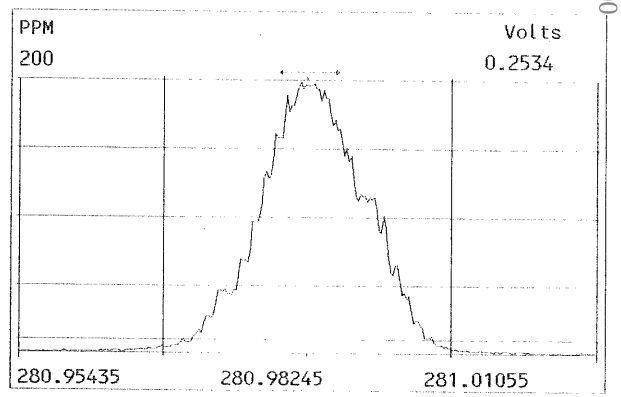


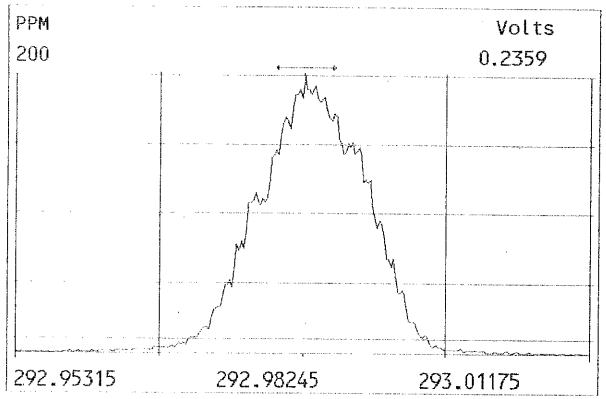


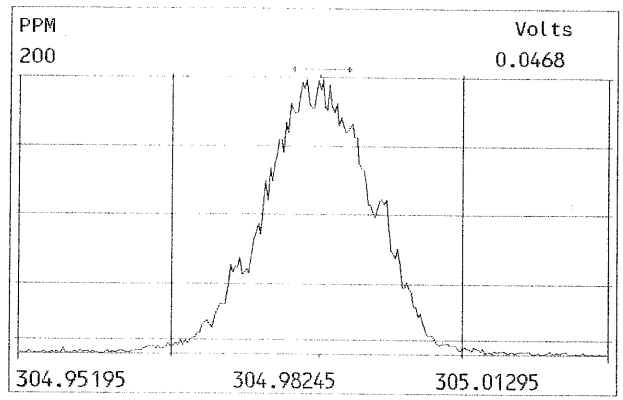
Peak Locate Examination:24-OCT-2020:02:00 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

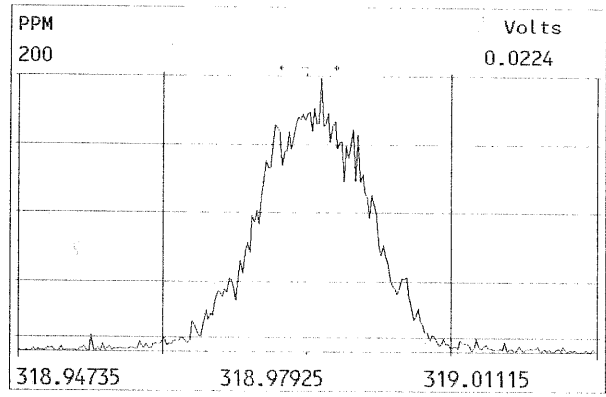


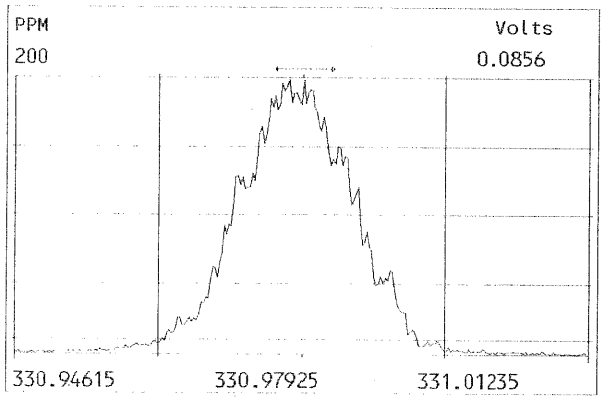


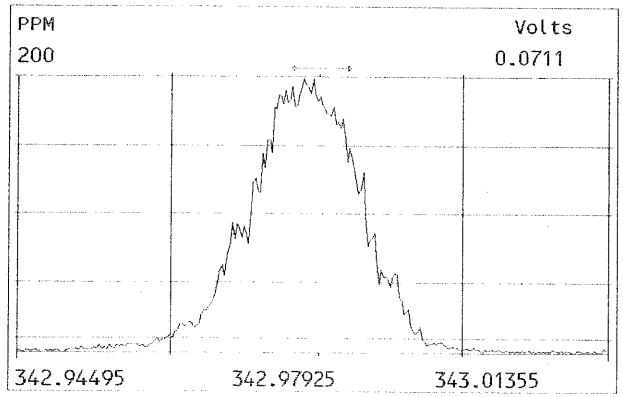






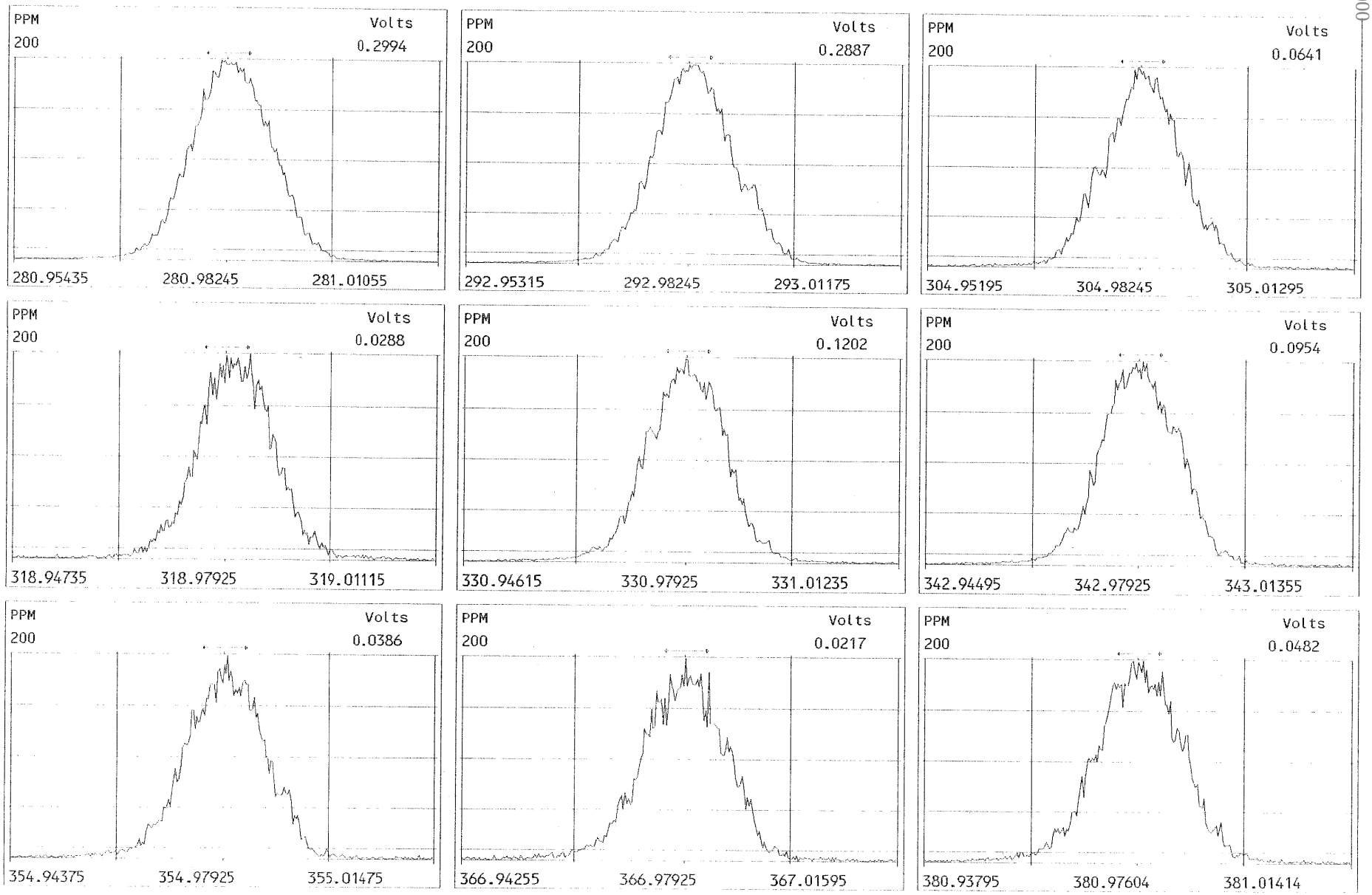




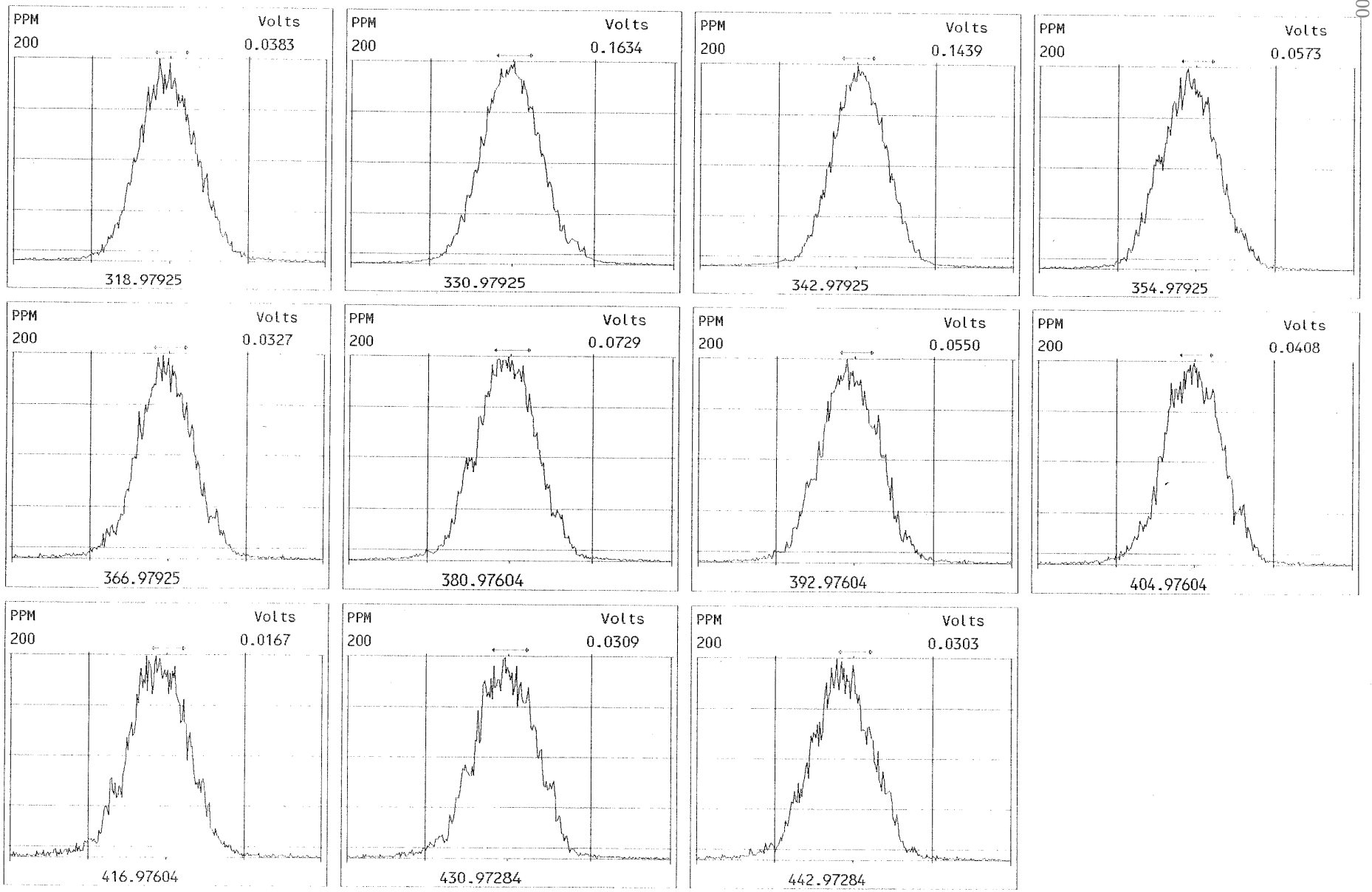


Peak Locate Examination:24-OCT-2020:02:02 File:23OCT20Z_RES_CHECK

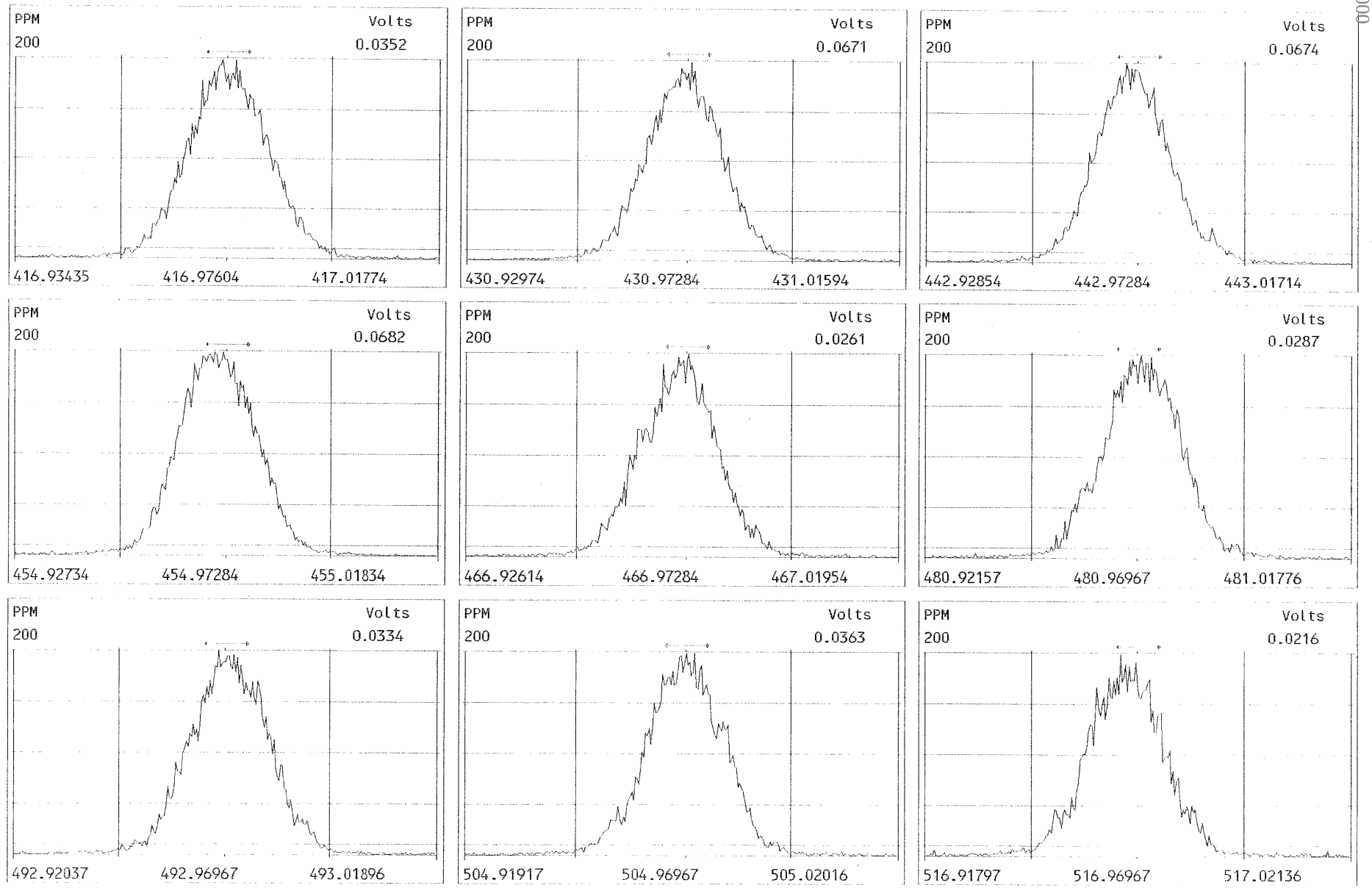
Experiment:1668PCB Function:4 Reference:PFK



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: _____ Date: 10/27/20

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

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				

Client ID: CS209 201021A ConCal: ST10232OZ1 EndCal: ST10232OZ2
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

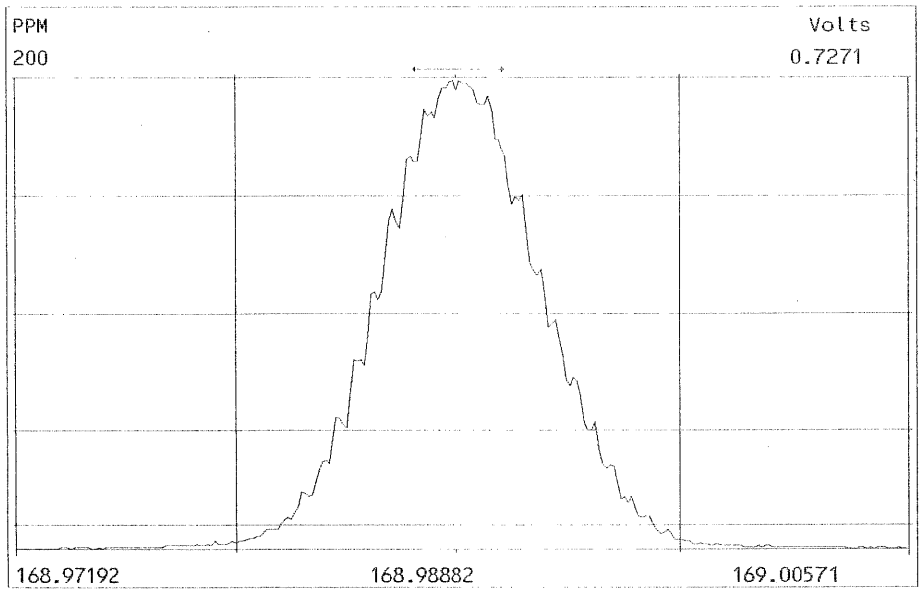
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
23OCT20Z	1	ST102320Z1	CS209 201021A	23-OCT-20 10:50:59	ST102320Z1	ST102320Z2	DV
23OCT20Z	2	05488-001-0001-OPR	OPR	23-OCT-20 11:49:19	ST102320Z1	ST102320Z2	DV
23OCT20Z	3	05488-001-0001-MB	Method Blank	23-OCT-20 12:48:05	ST102320Z1	ST102320Z2	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

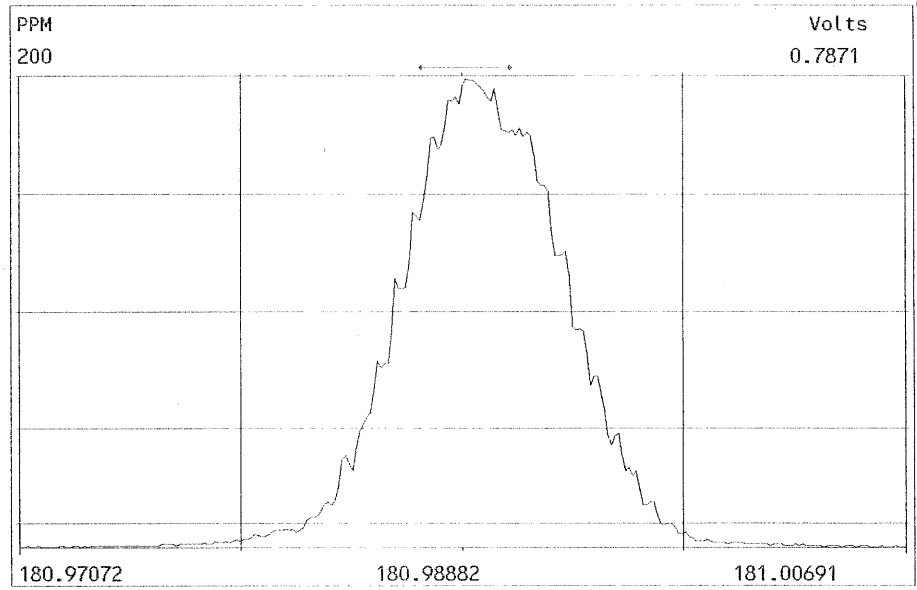
DPN 10.24.20

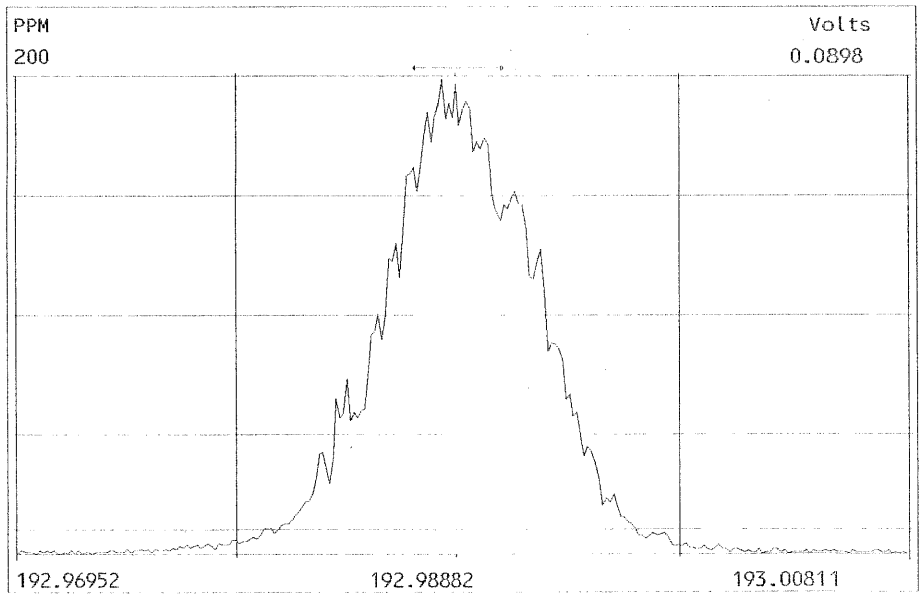
Data Backed Up:_____

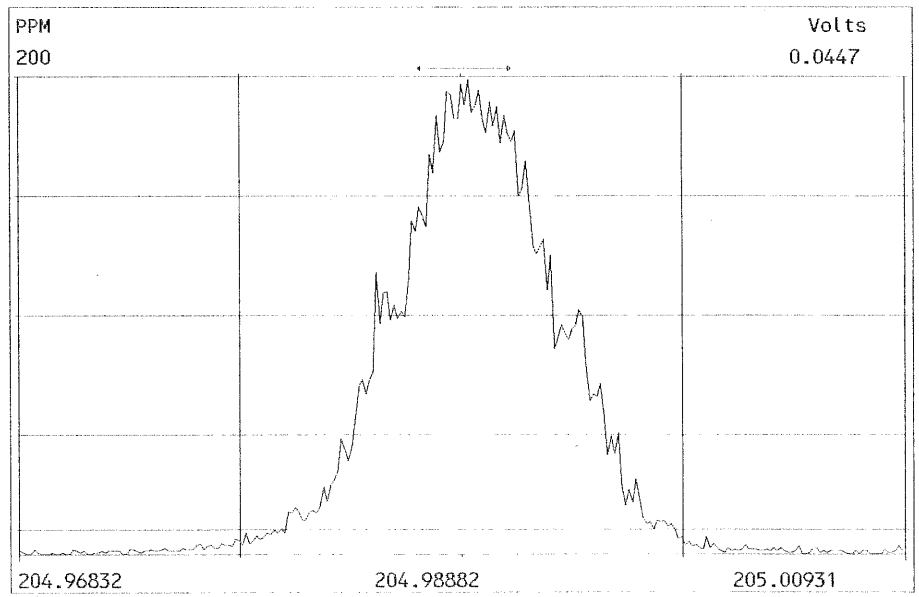
Date:_____

Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z
Experiment:1668PCB Function:1 Reference:PFK



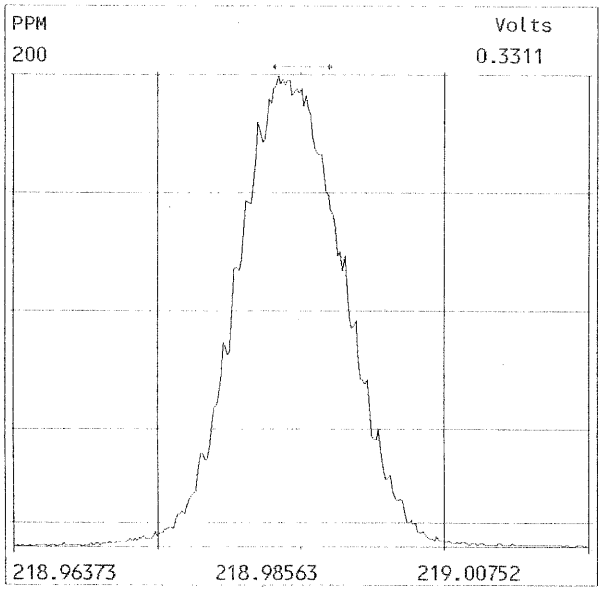


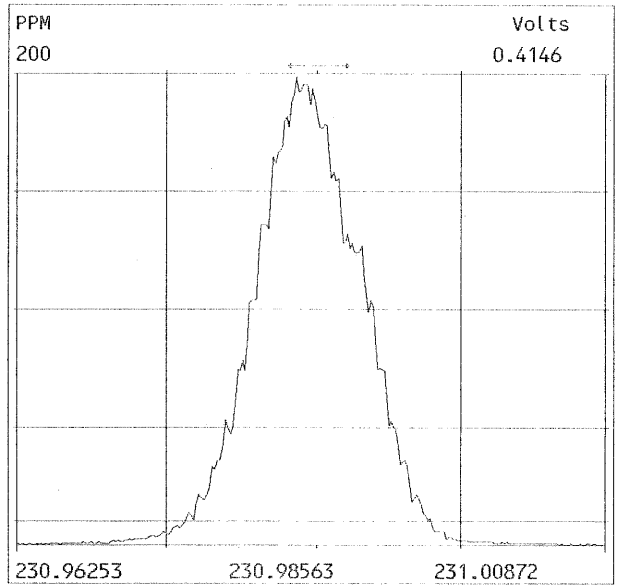


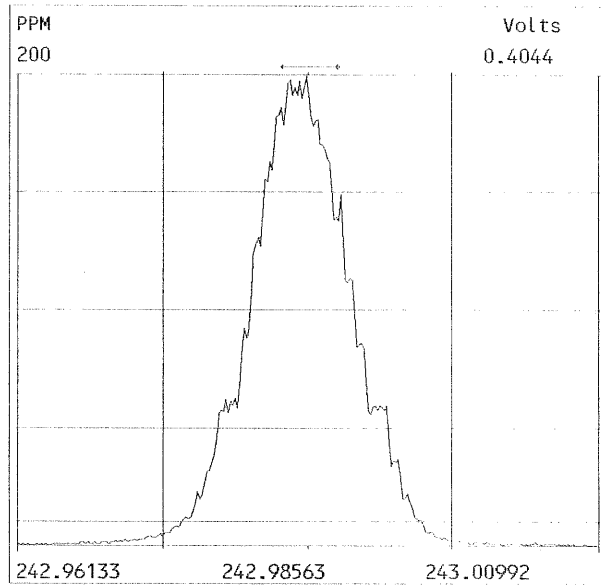


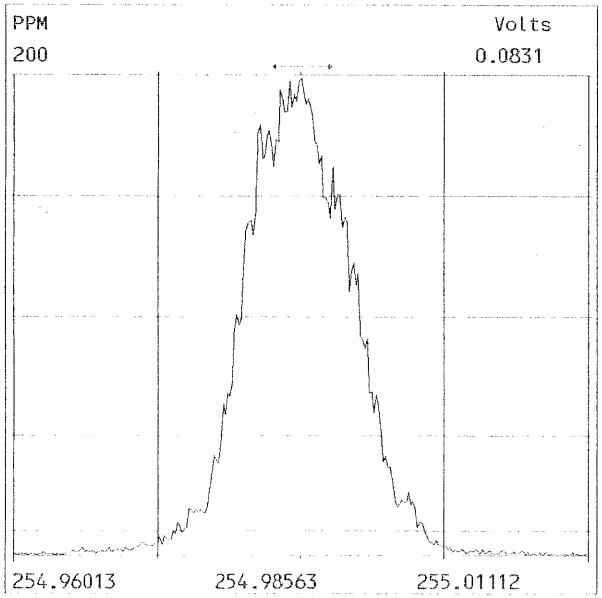
Peak Locate Examination:23-OCT-2020:10:48 File:23OCT20Z

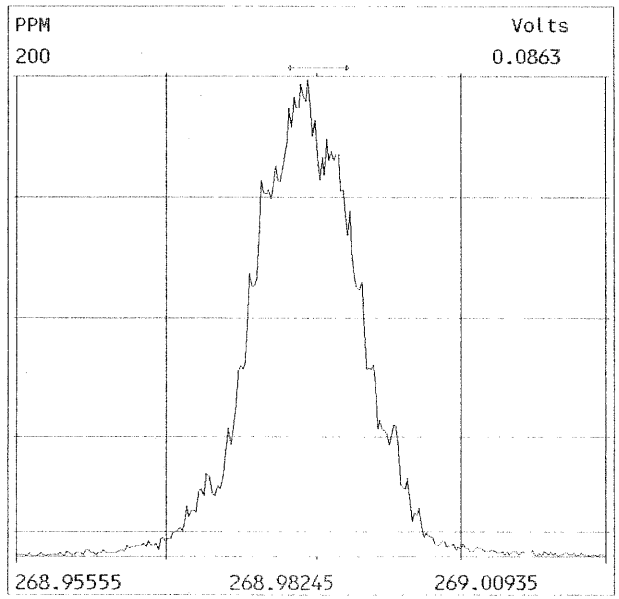
Experiment:1668PCB Function:2 Reference:PFK

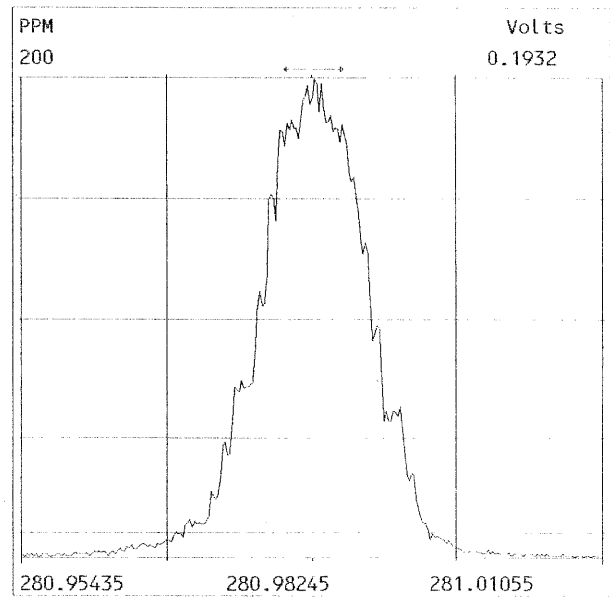




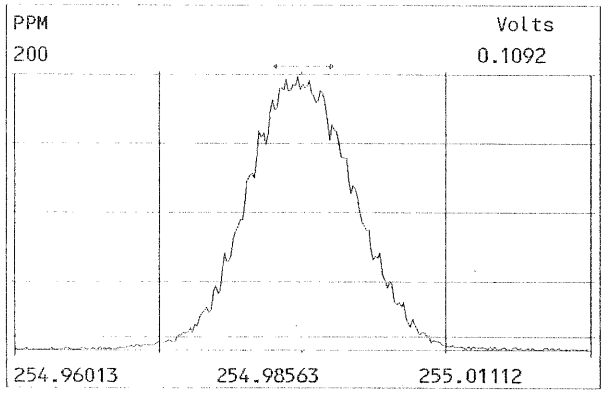


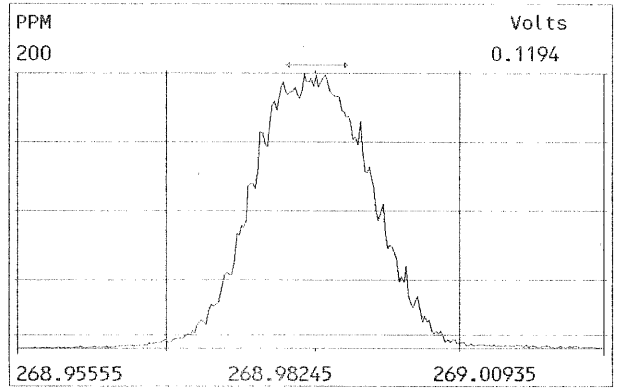


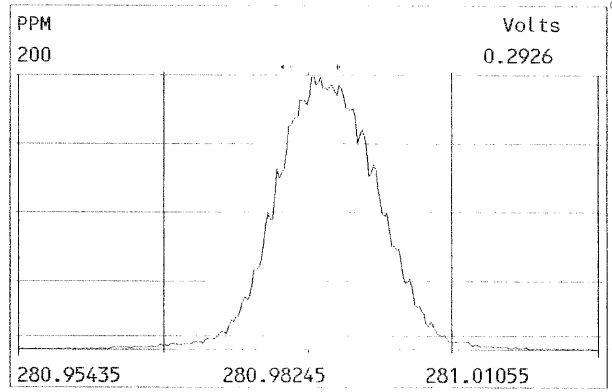


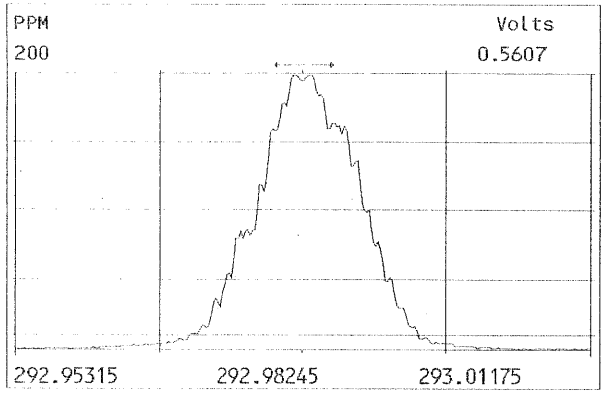


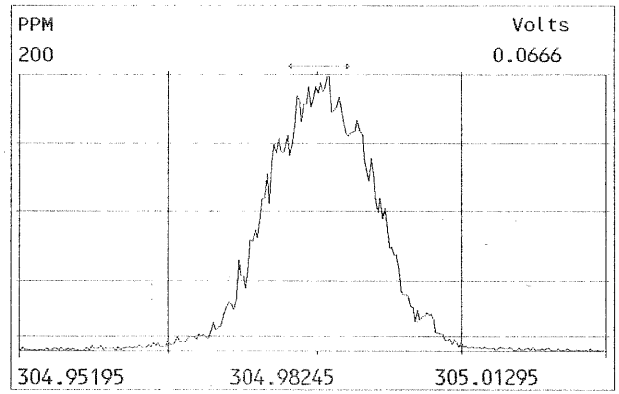
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:3 Reference:PFK

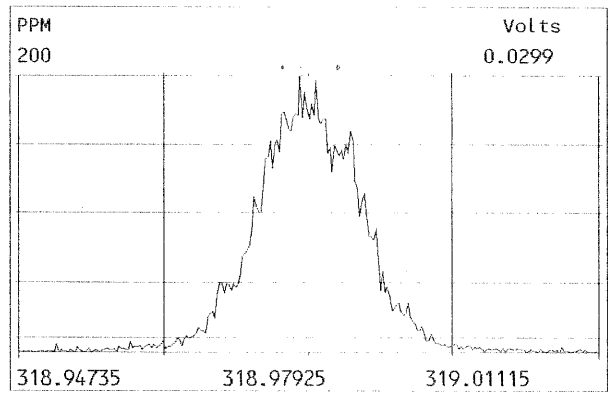


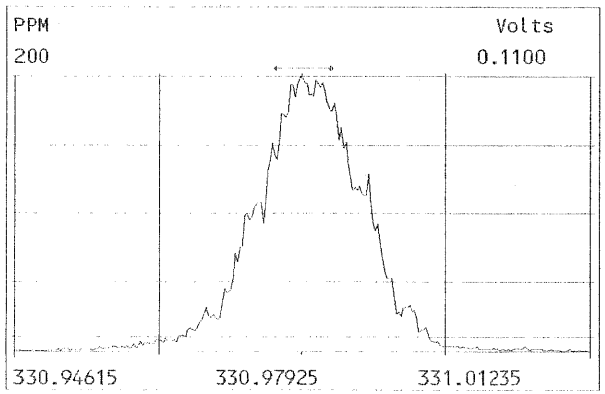


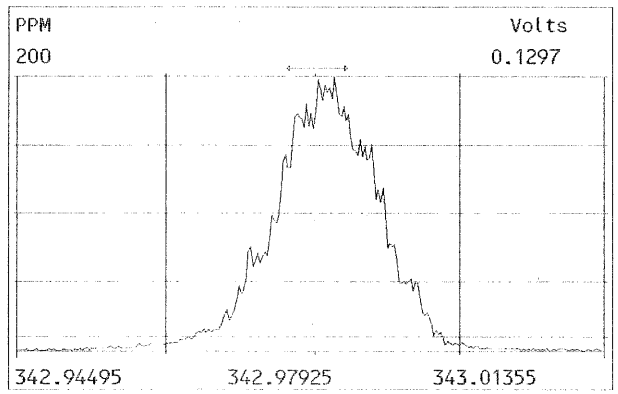






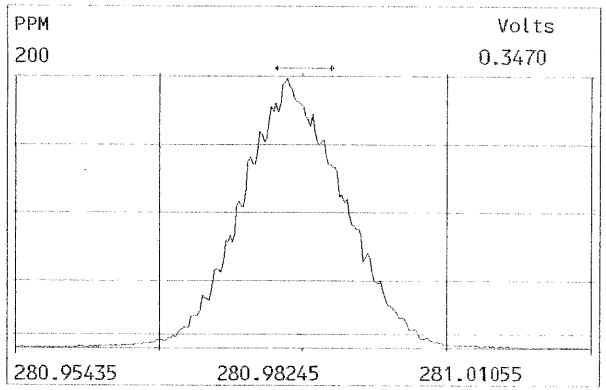


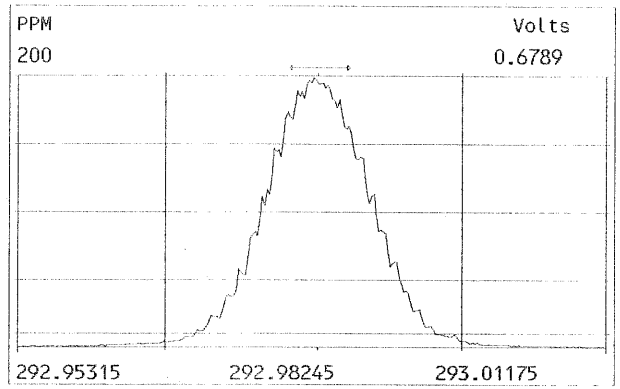


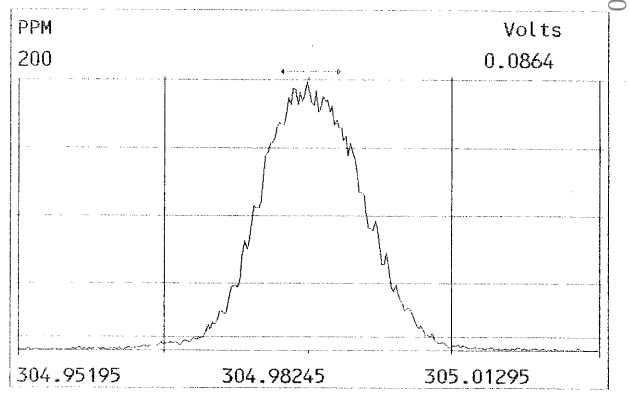


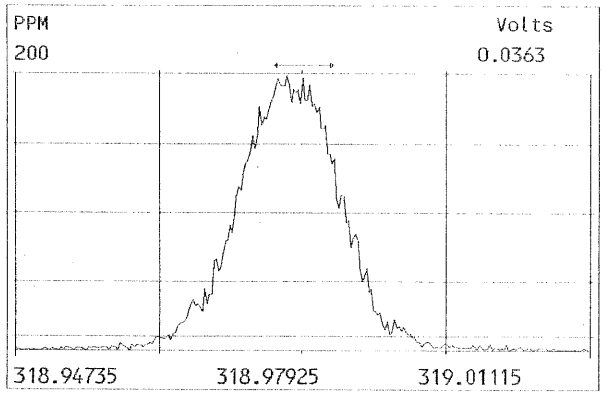
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z

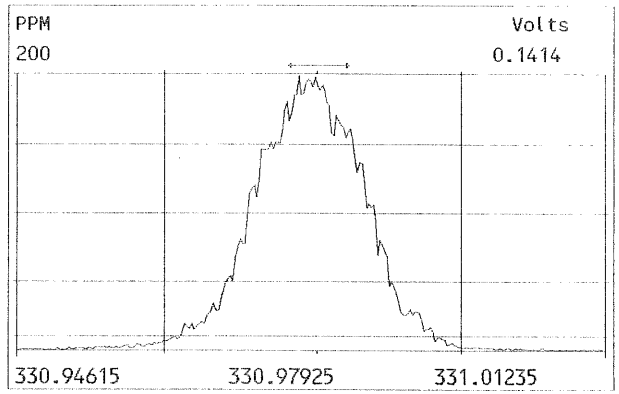
Experiment:1668PCB Function:4 Reference:PFK

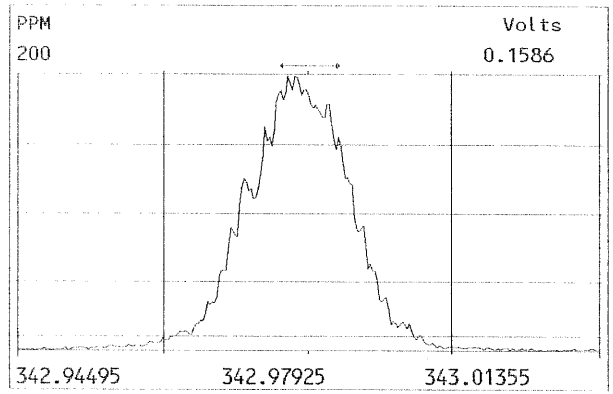


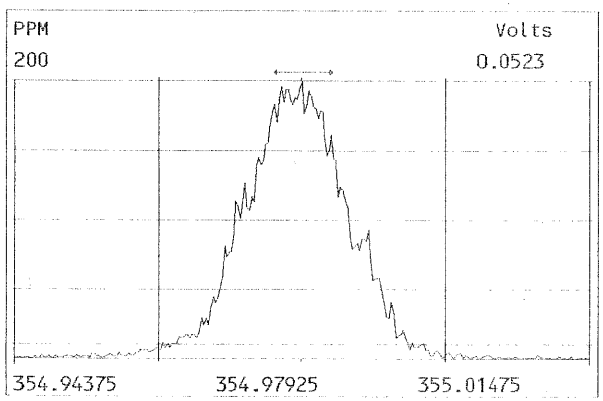


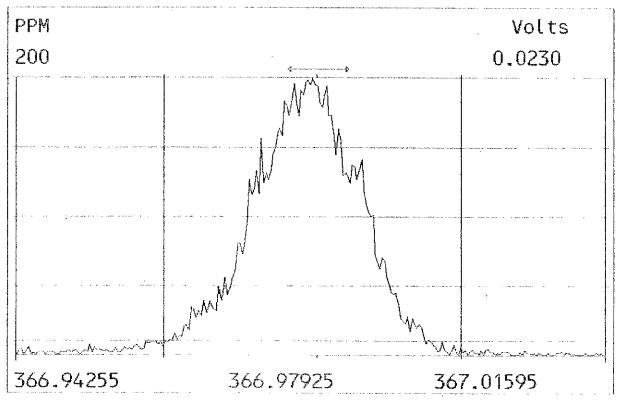


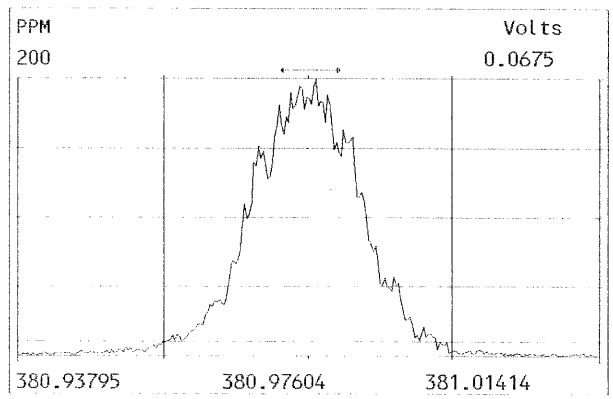




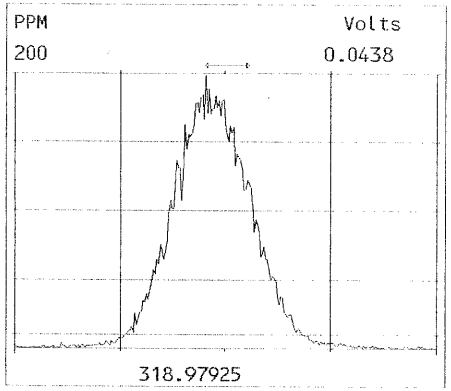


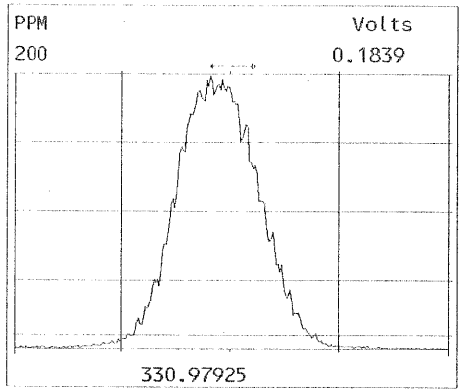


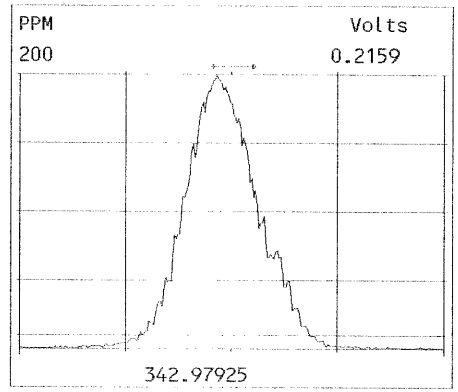


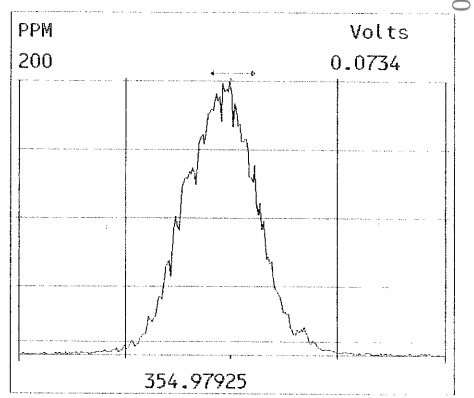


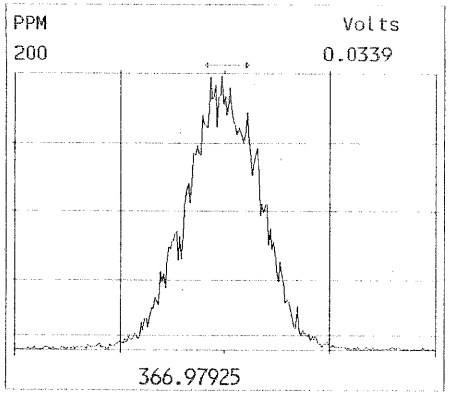
Peak Locate Examination:23-OCT-2020:10:49 File:23OCT20Z
Experiment:1668PCB Function:5 Reference:PFK

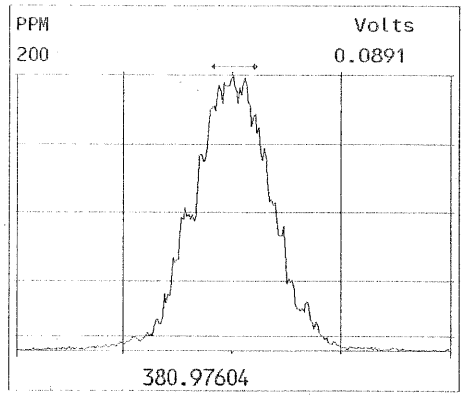


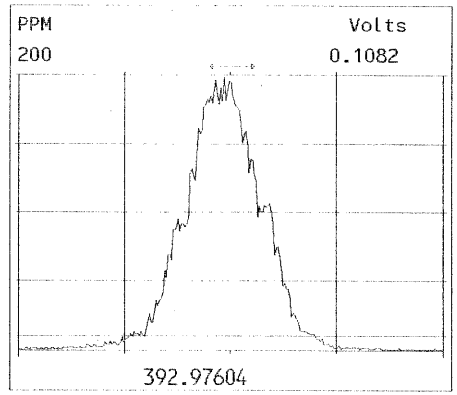


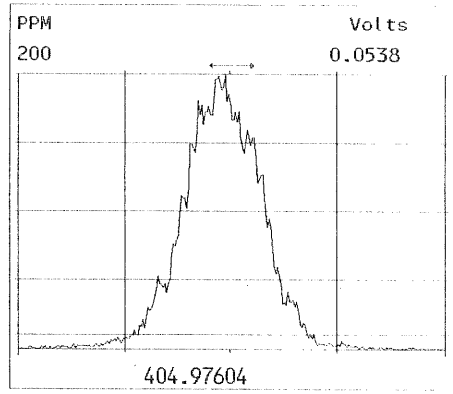


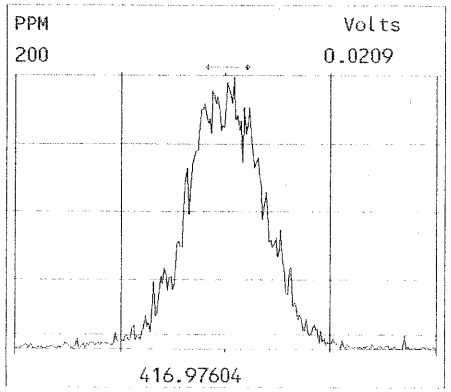


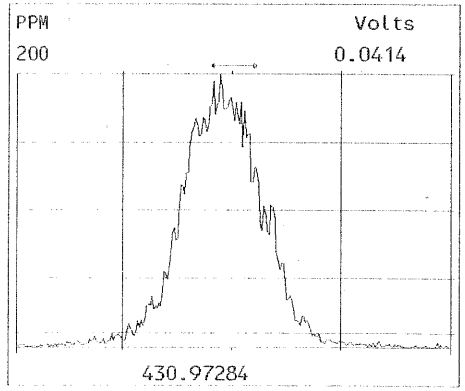


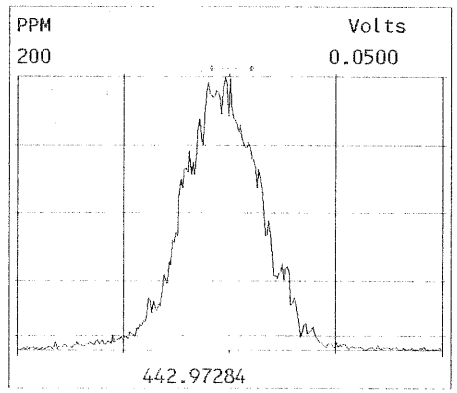




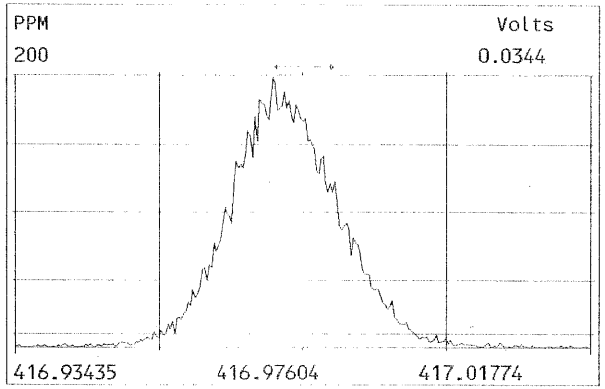


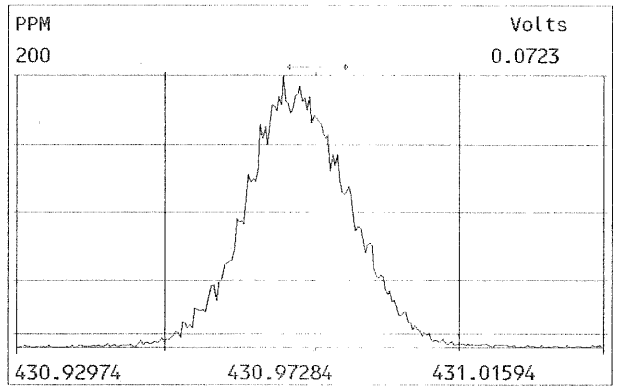


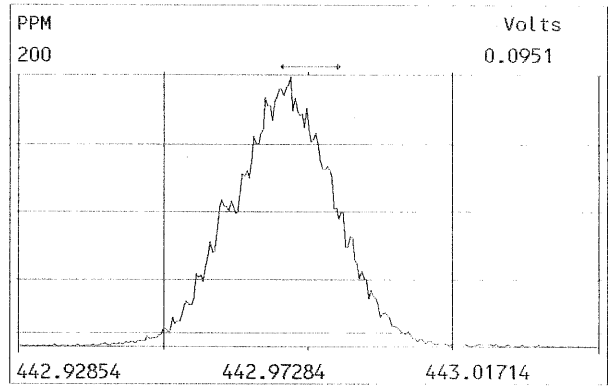


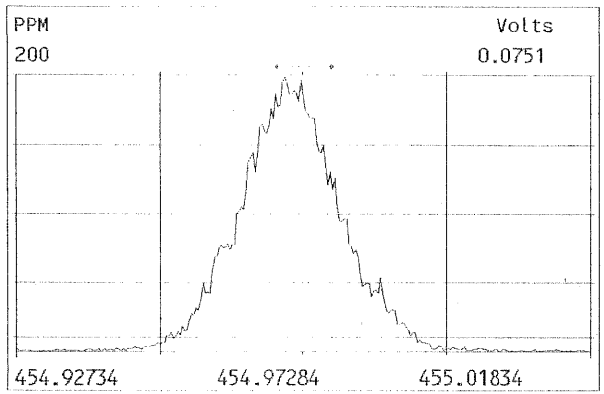


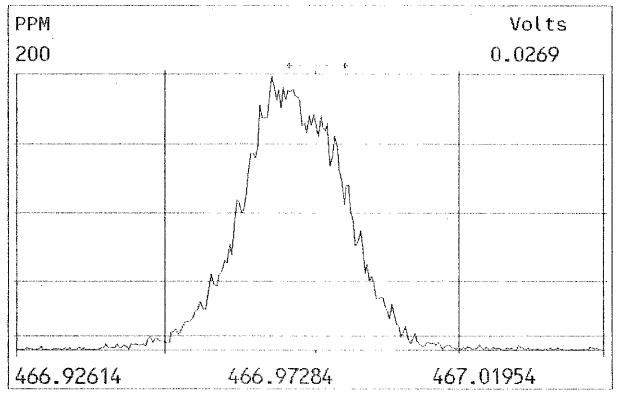
Peak Locate Examination:23-OCT-2020:10:50 File:23OCT20Z
Experiment:1668PCB Function:6 Reference:PFK

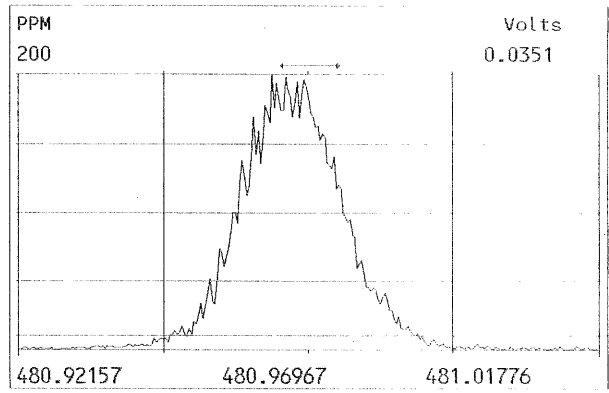


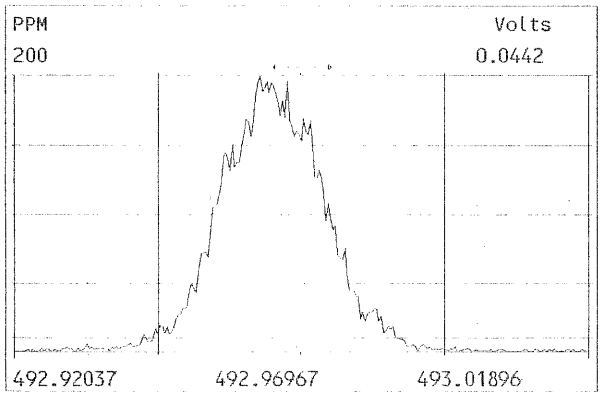


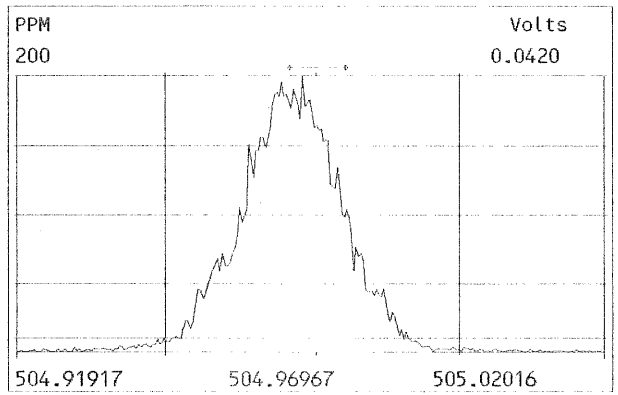


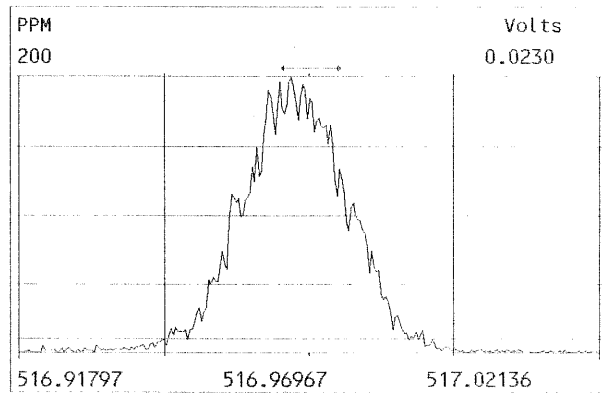




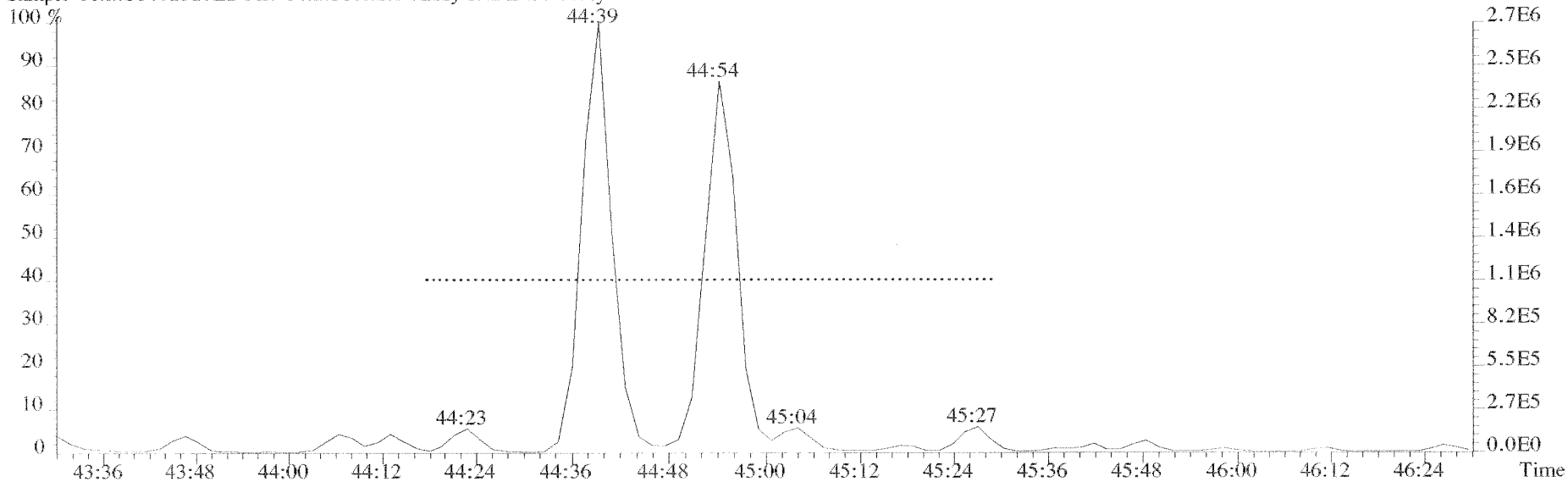




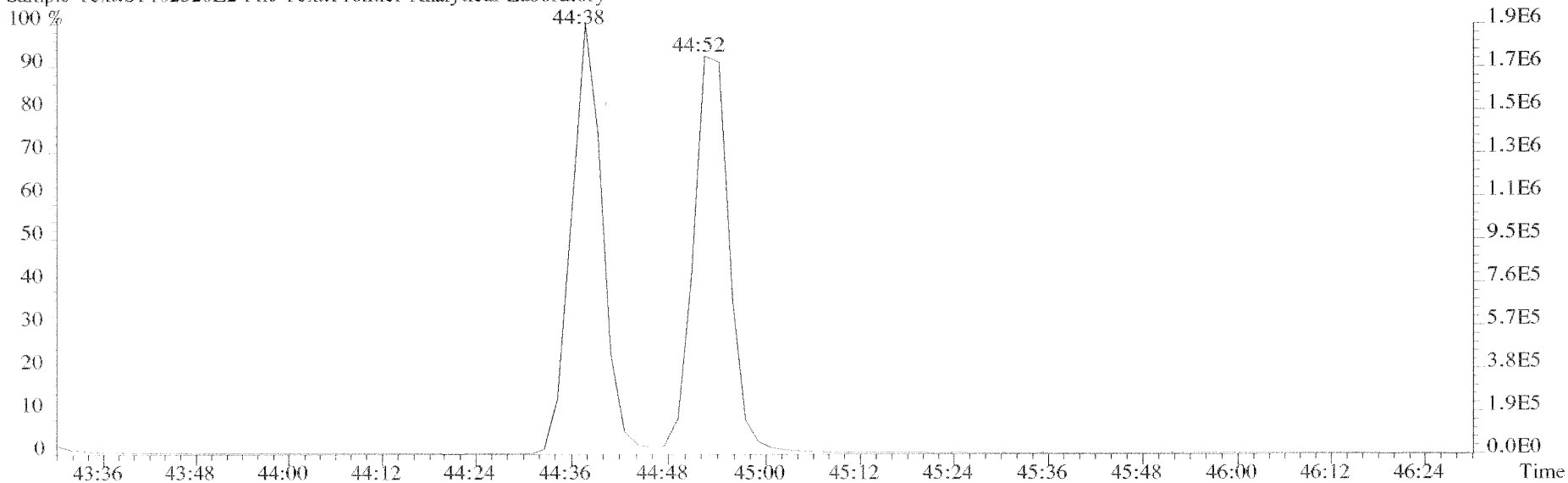




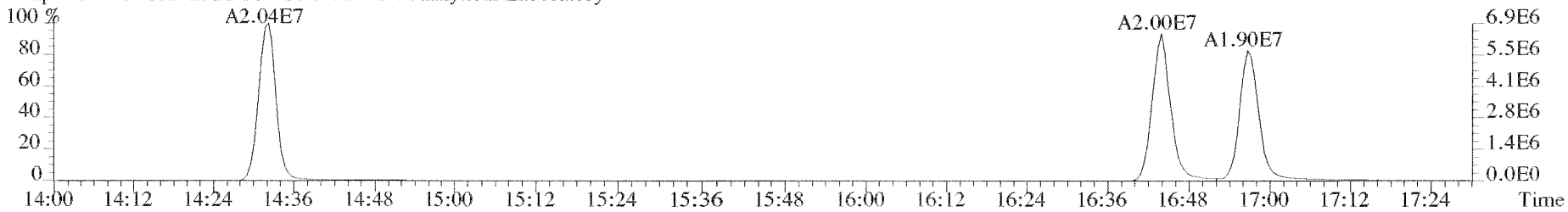
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



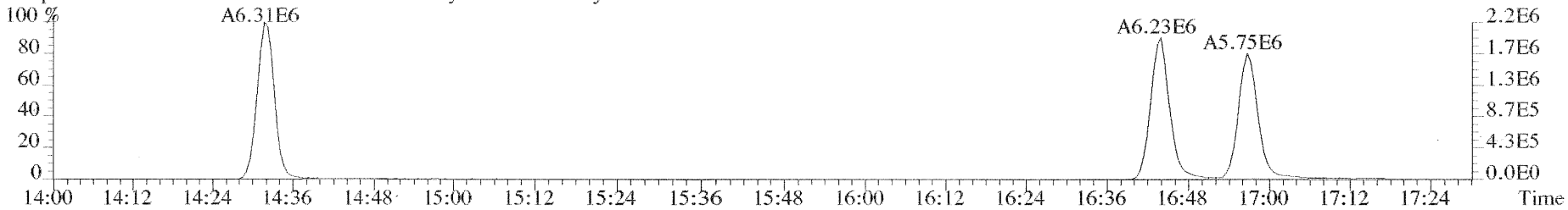
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



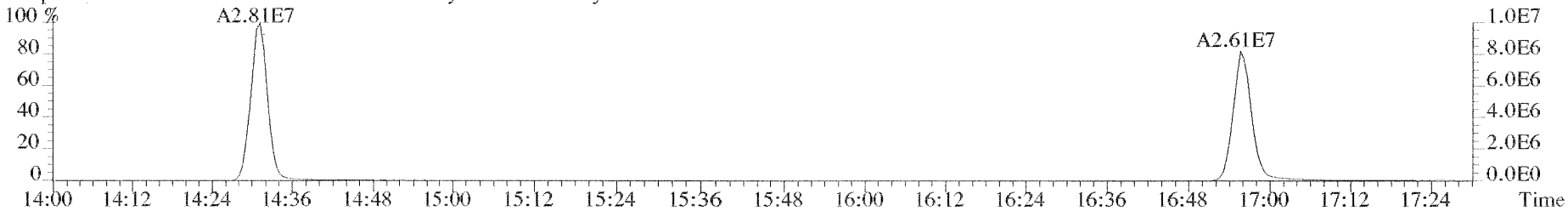
File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



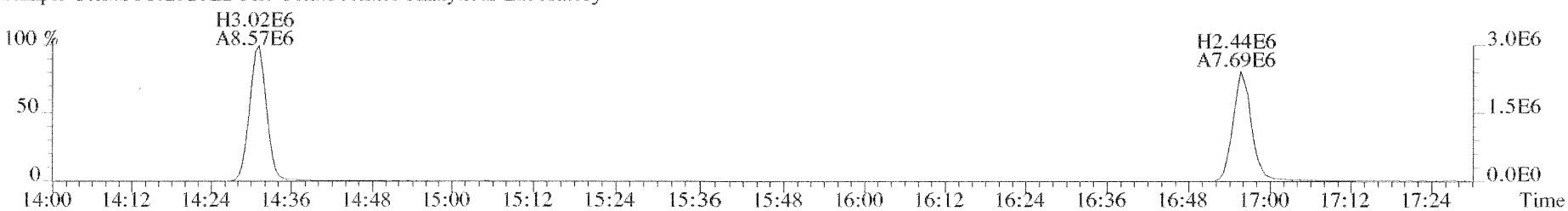
File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



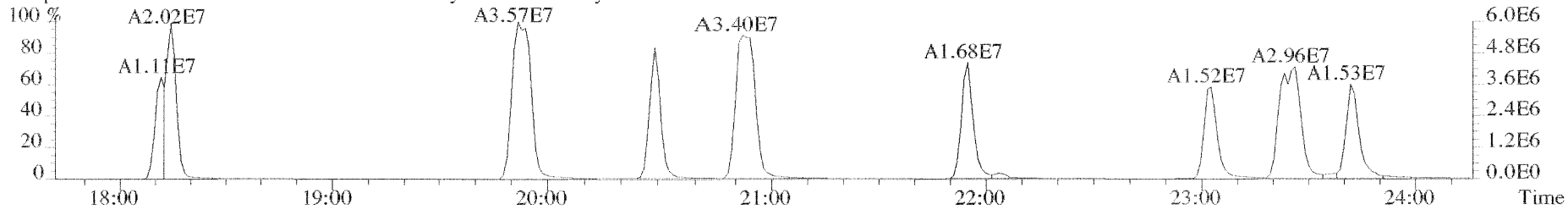
File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



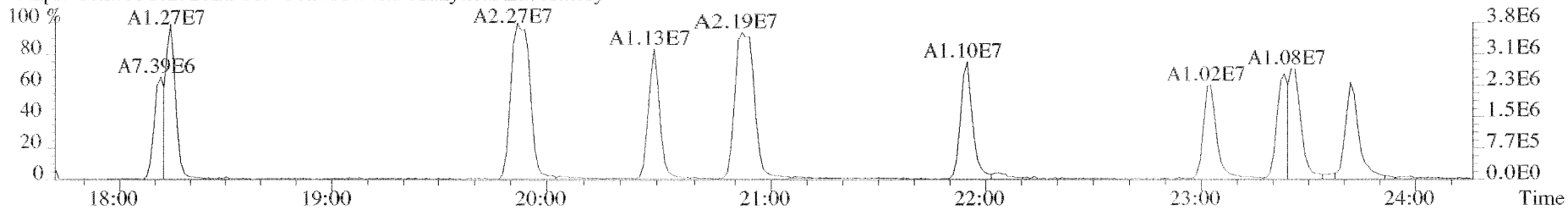
File:23OCT20Z #1-783 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



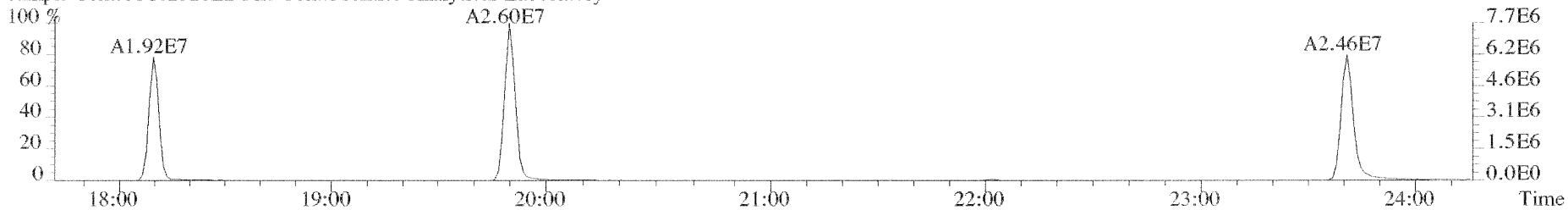
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



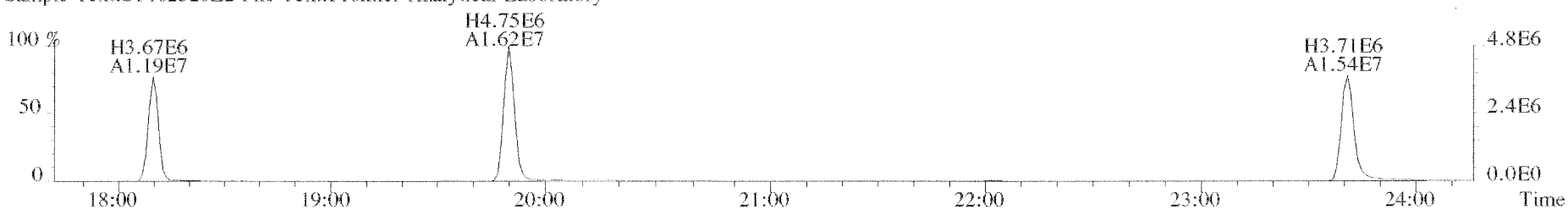
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



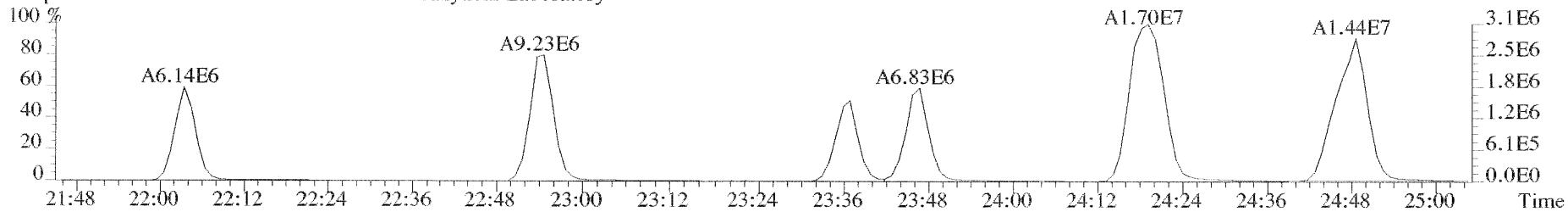
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



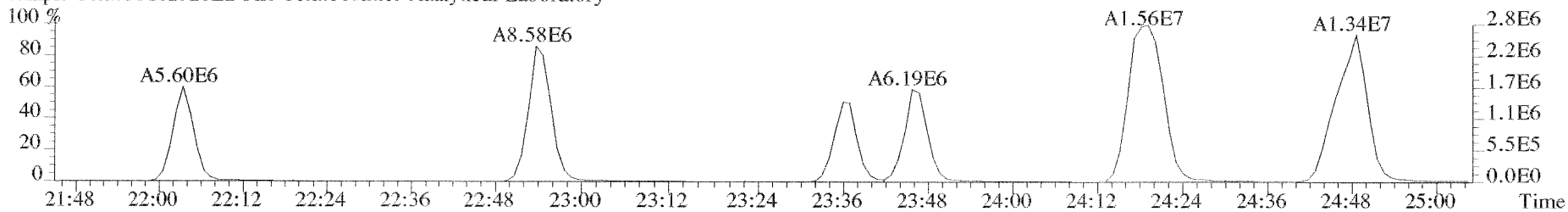
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



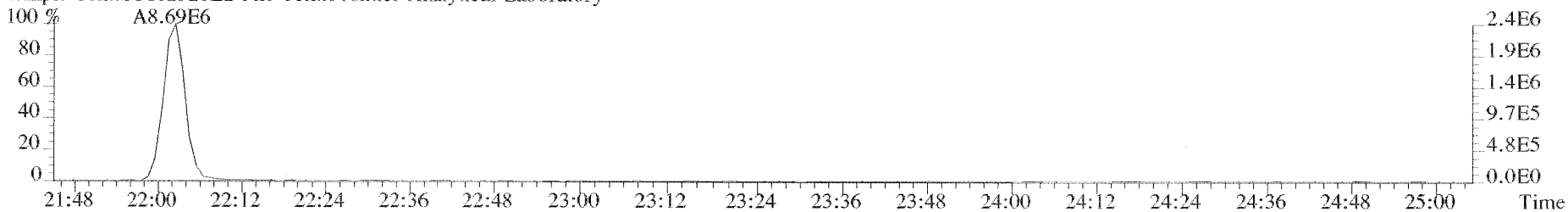
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



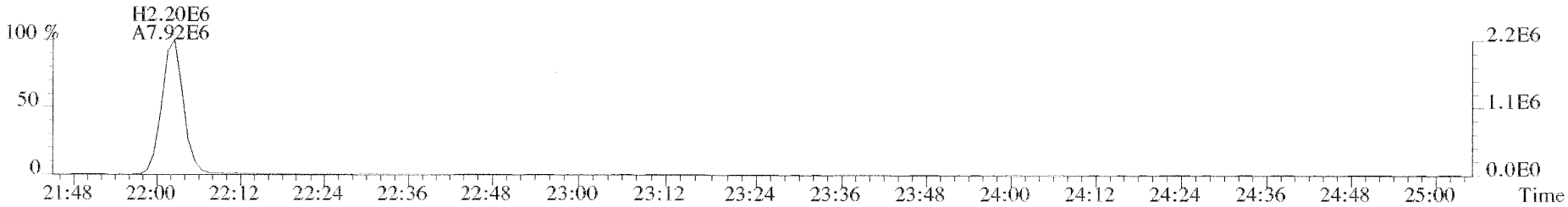
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



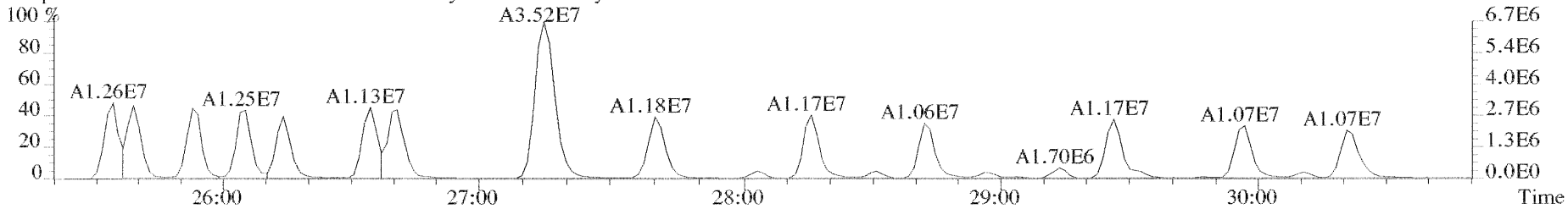
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



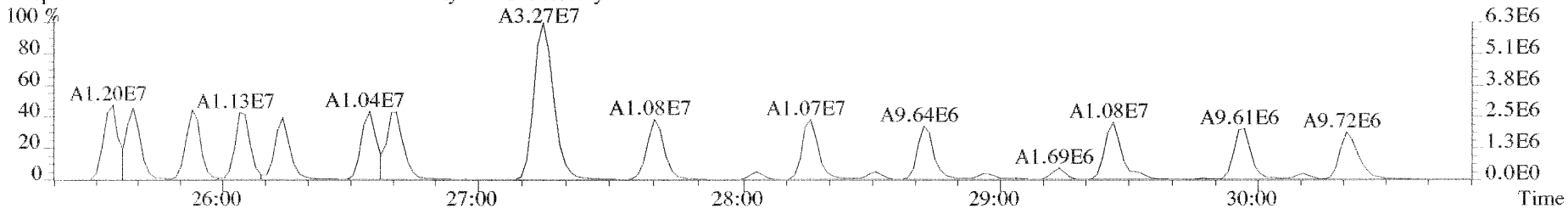
File:23OCT20Z #1-467 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



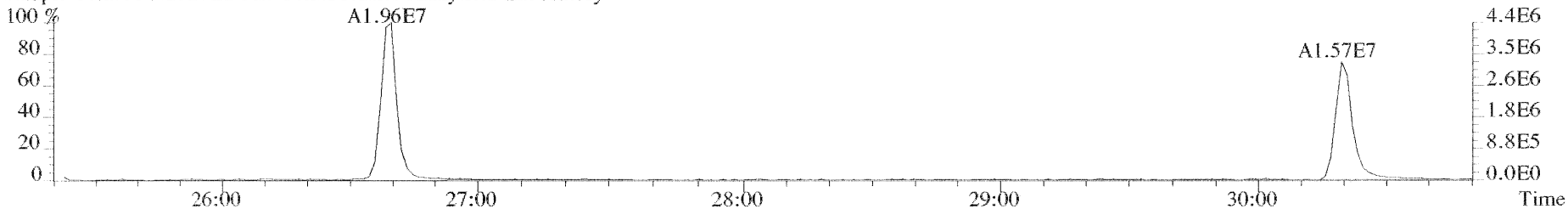
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



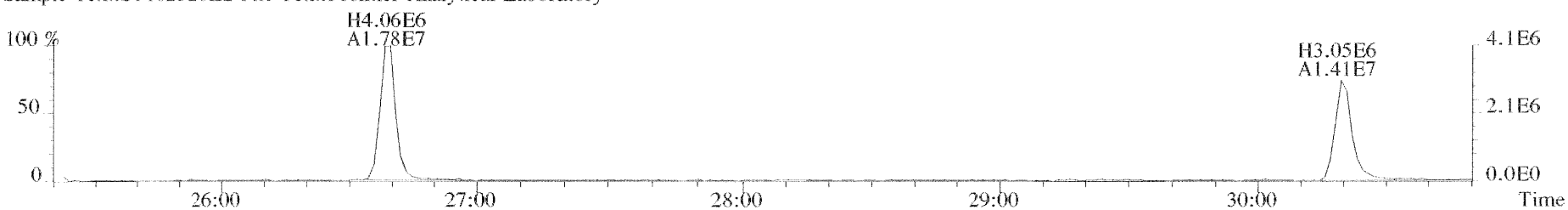
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



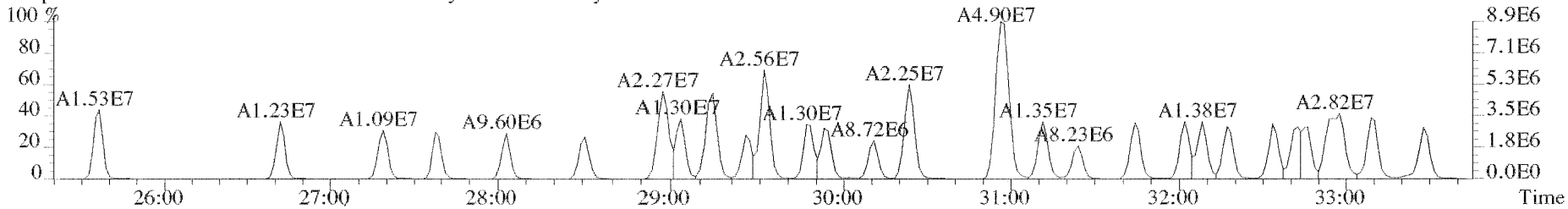
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



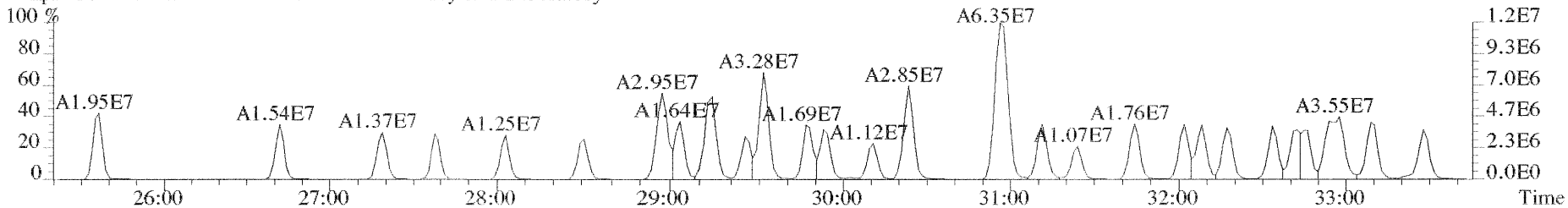
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



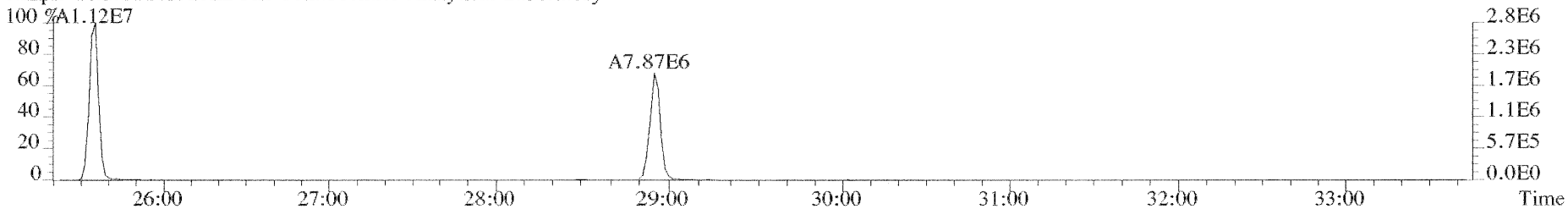
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



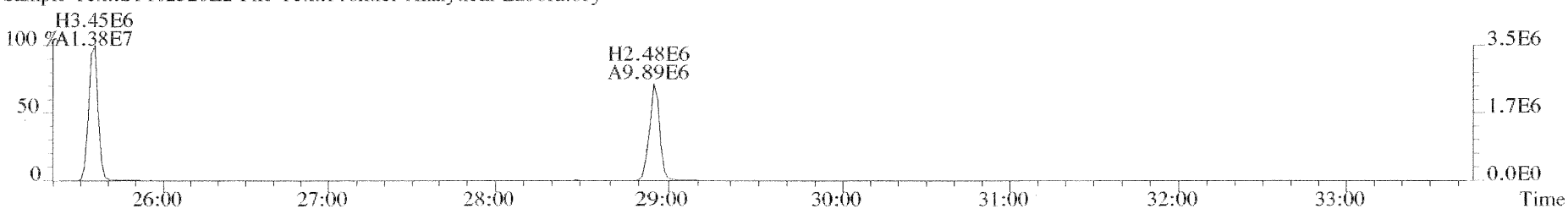
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



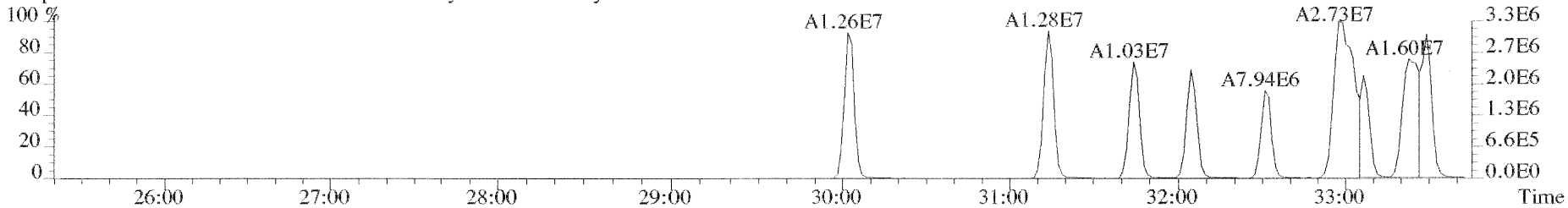
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



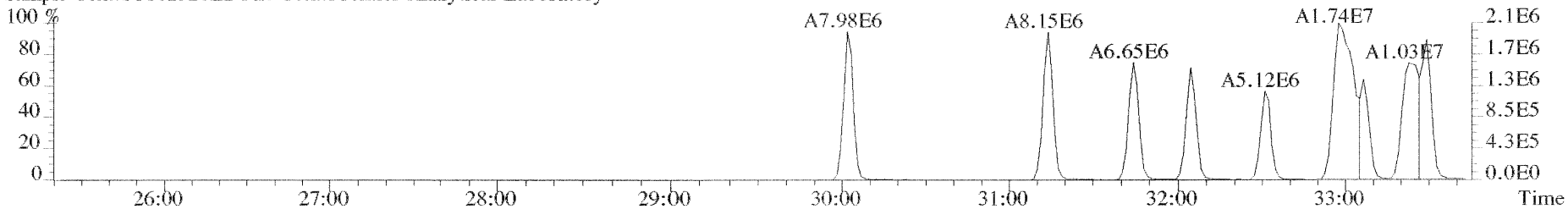
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



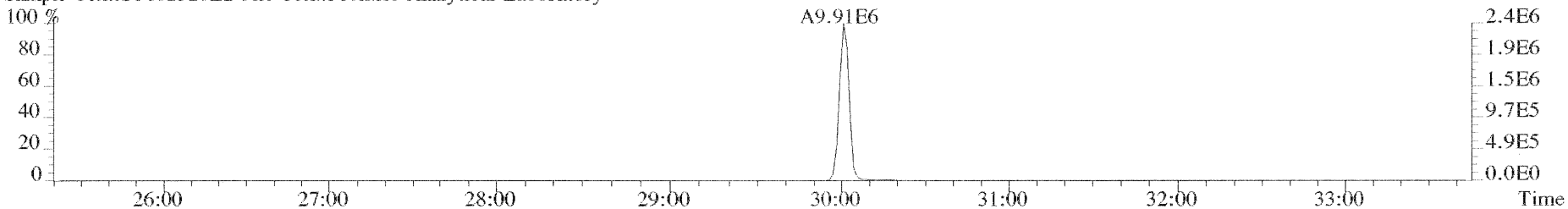
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



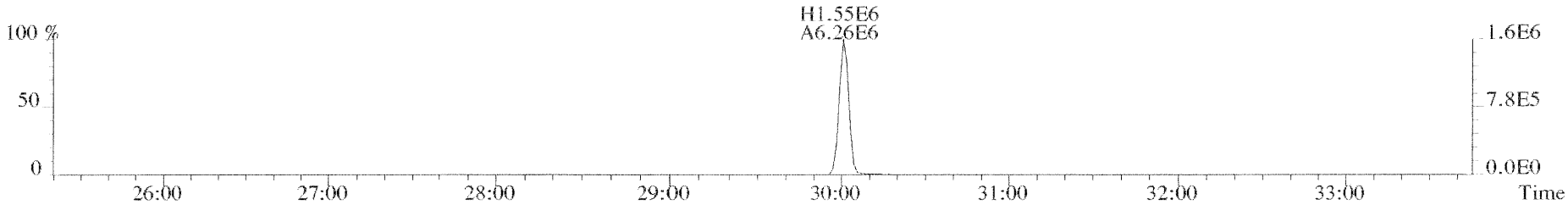
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



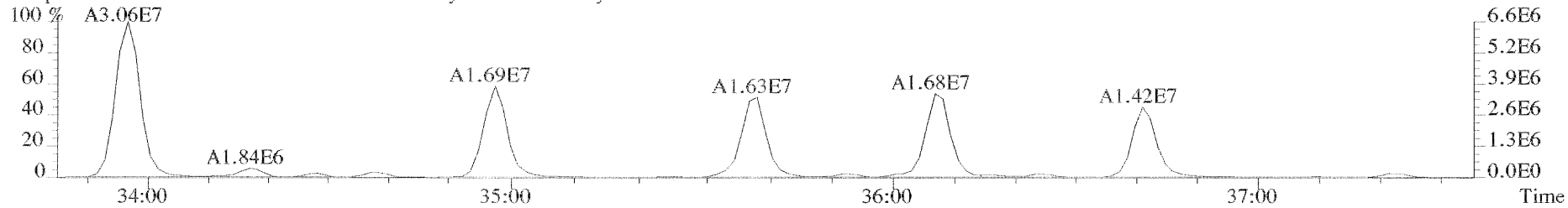
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



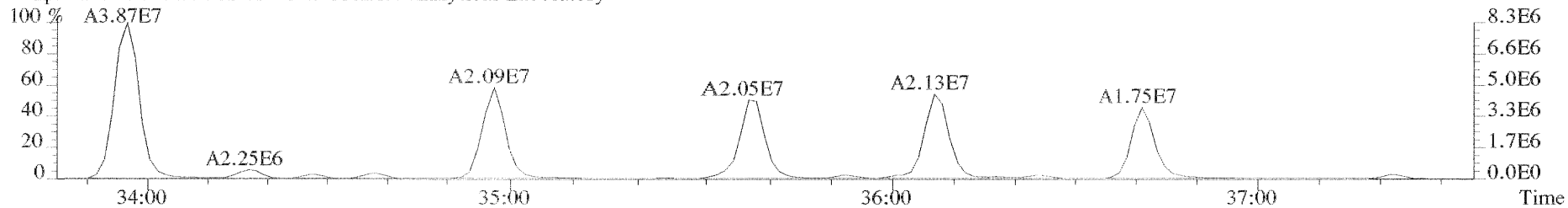
File:23OCT20Z #1-397 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



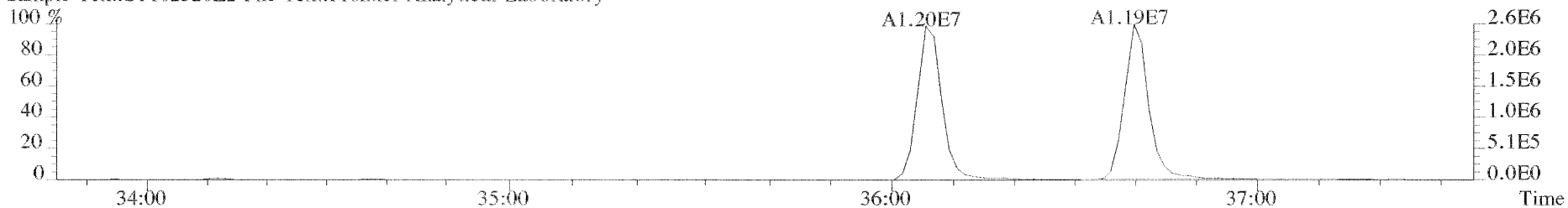
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



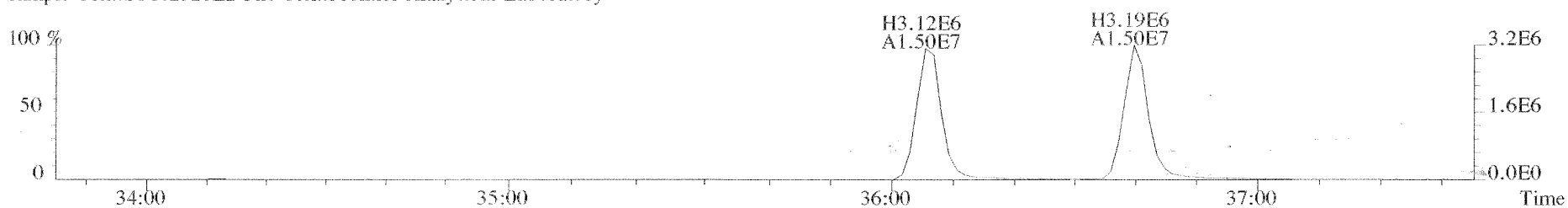
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



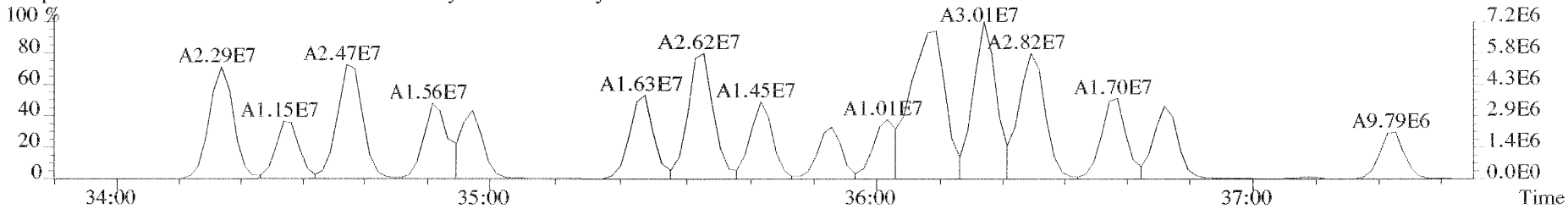
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



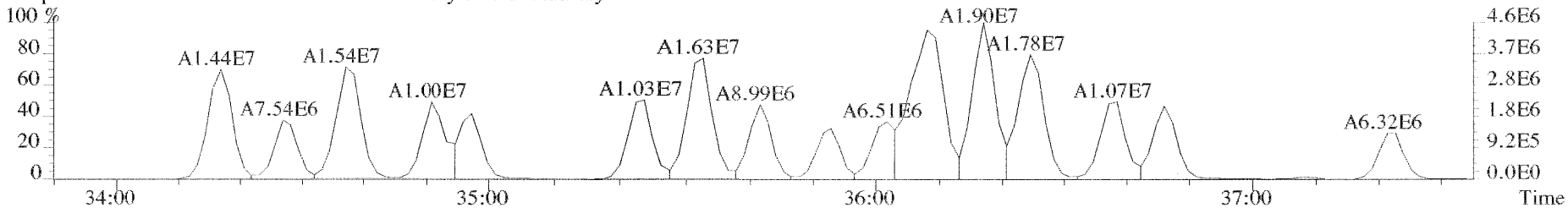
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



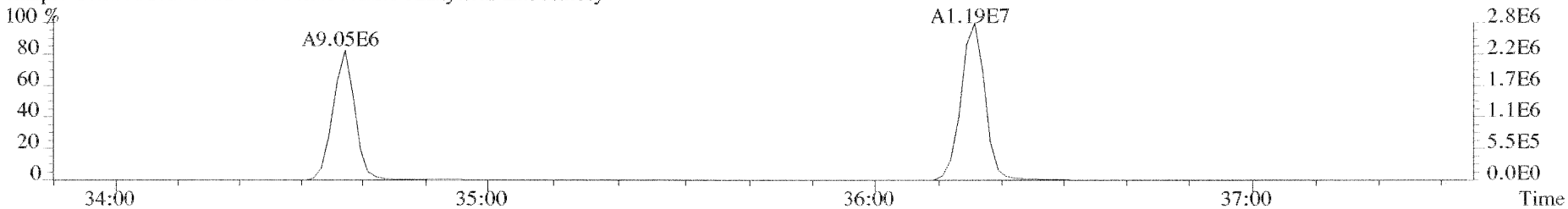
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



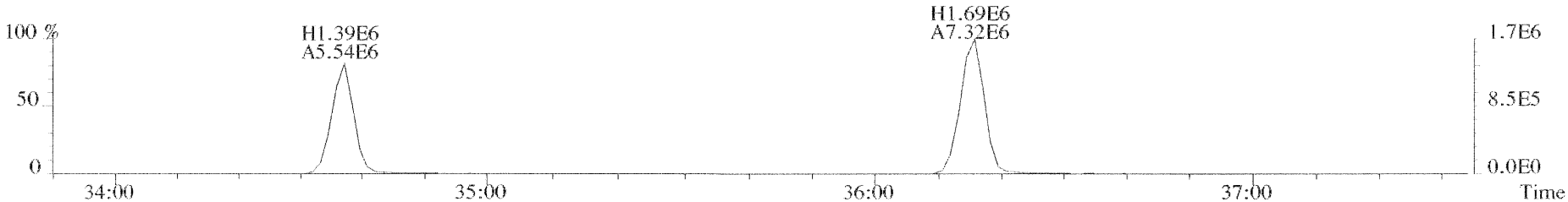
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



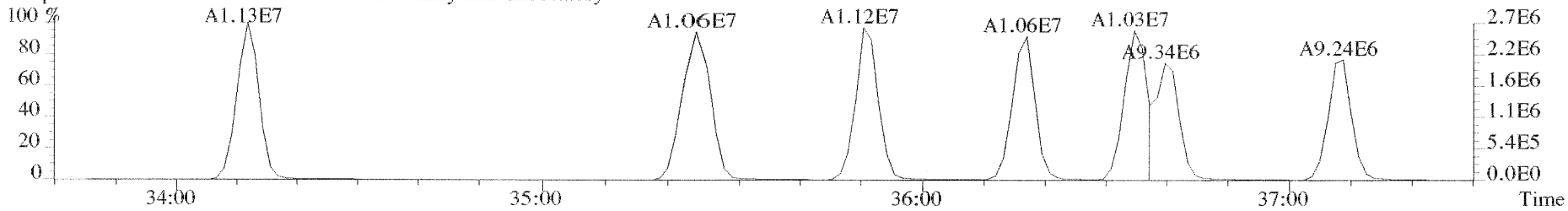
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



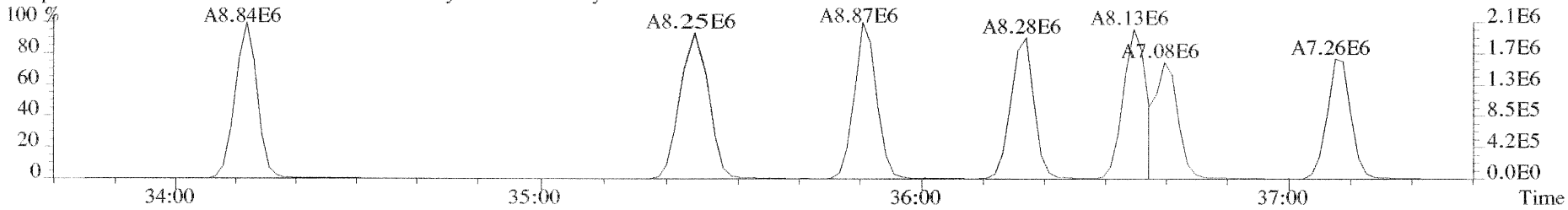
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



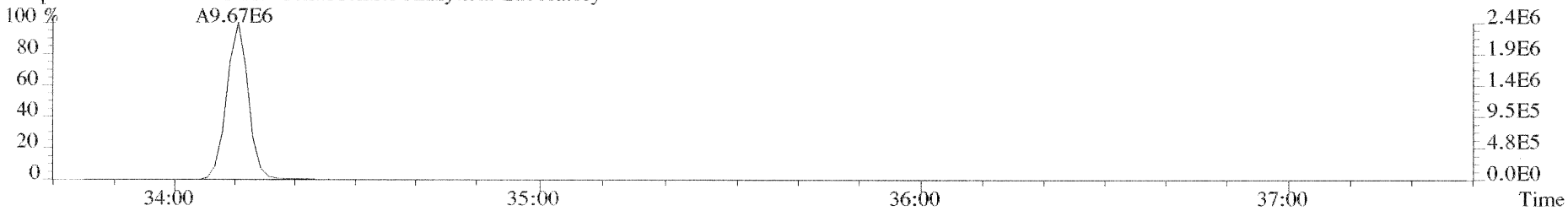
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



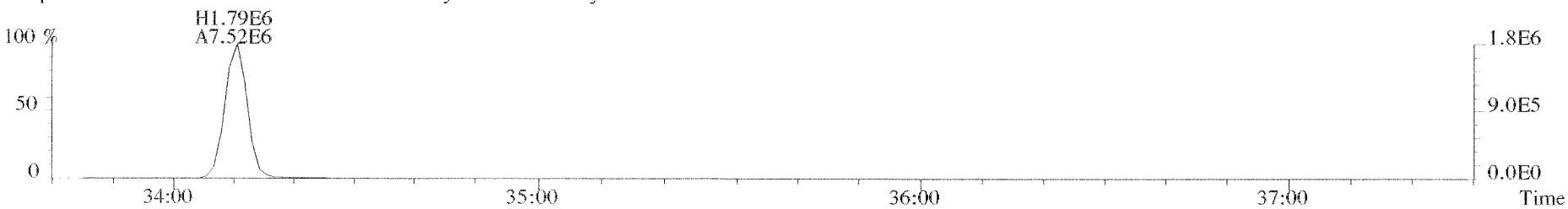
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



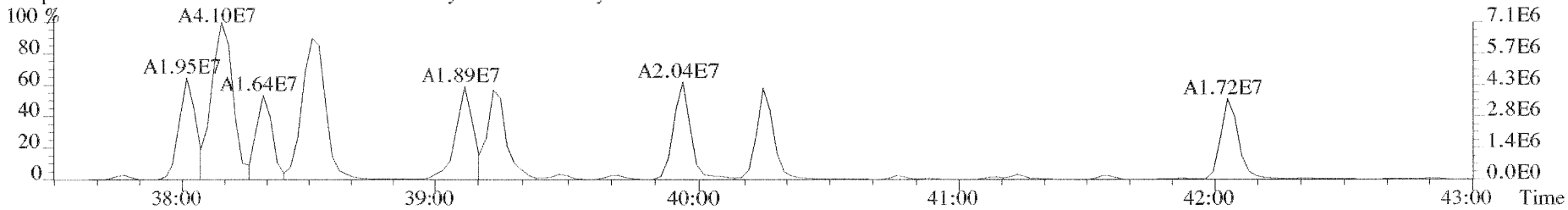
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



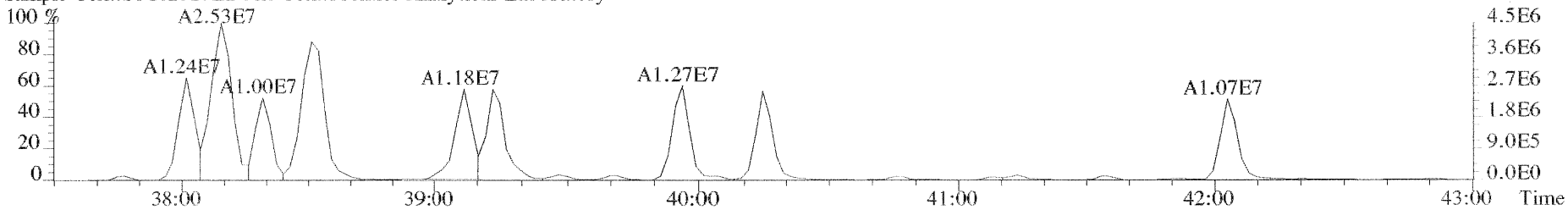
File:23OCT20Z #1-183 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



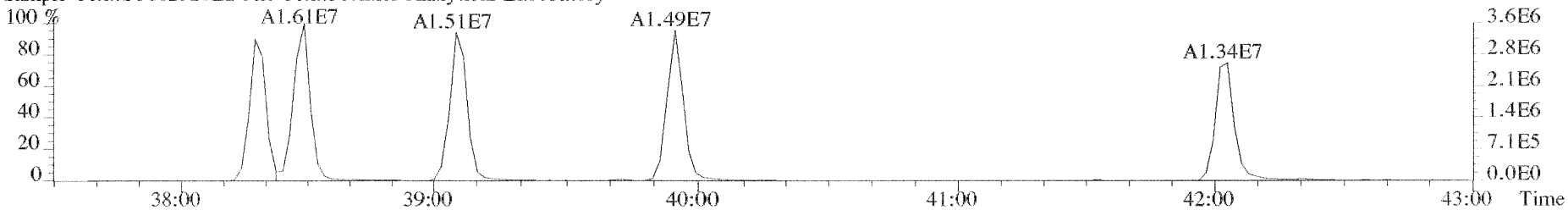
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



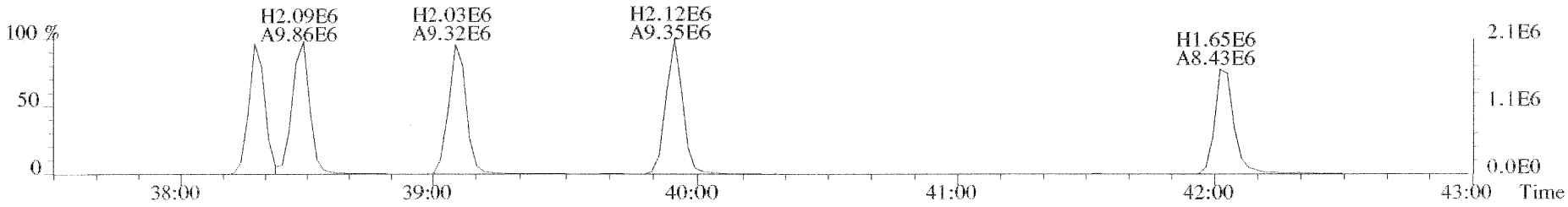
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



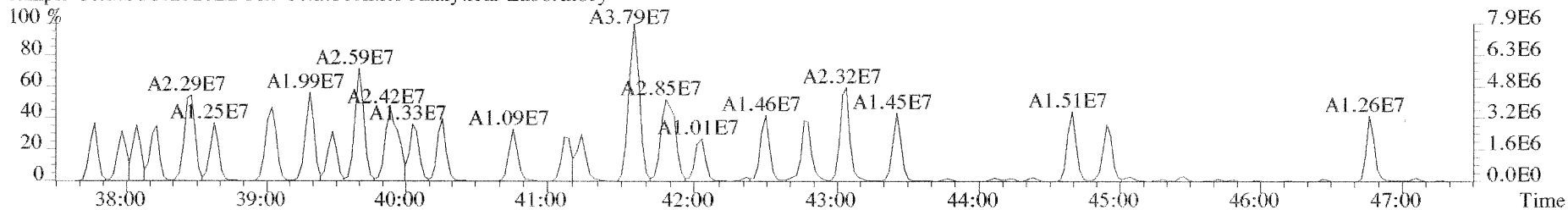
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



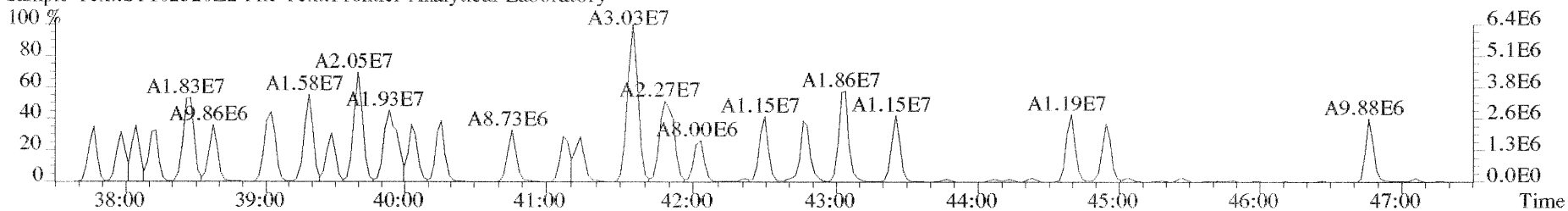
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



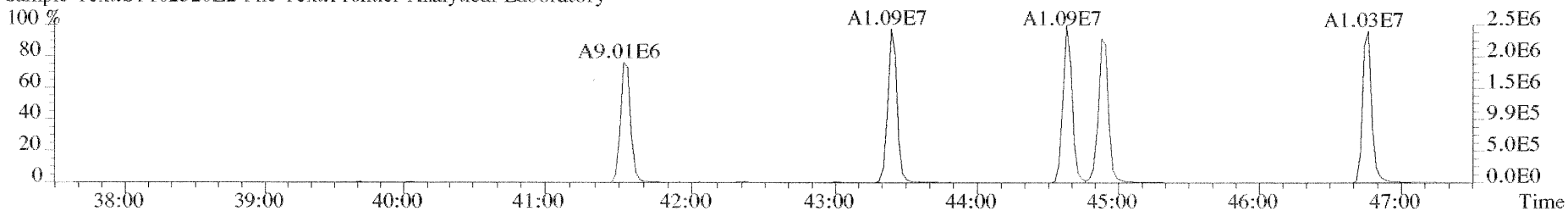
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



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



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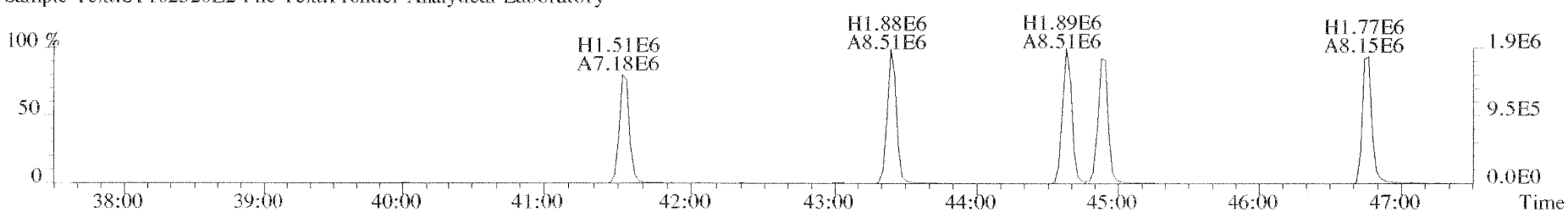
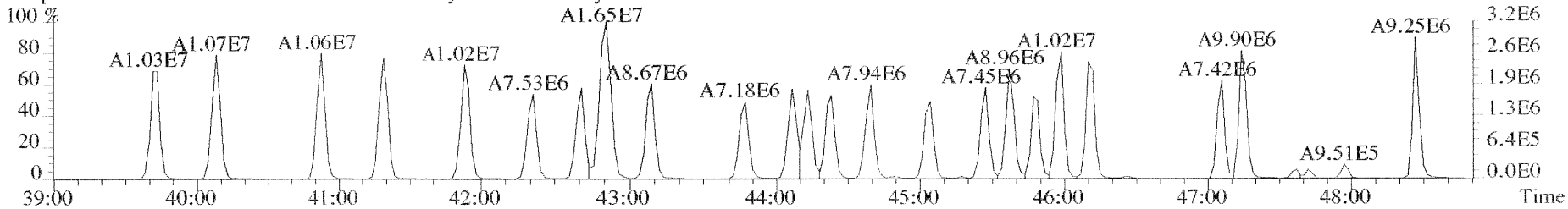
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



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



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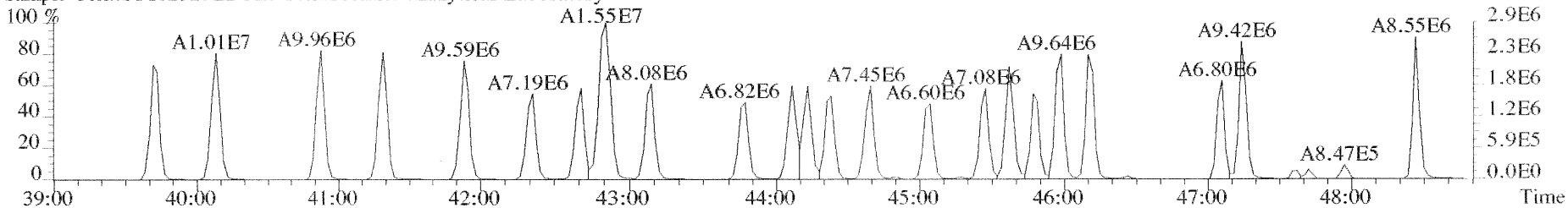
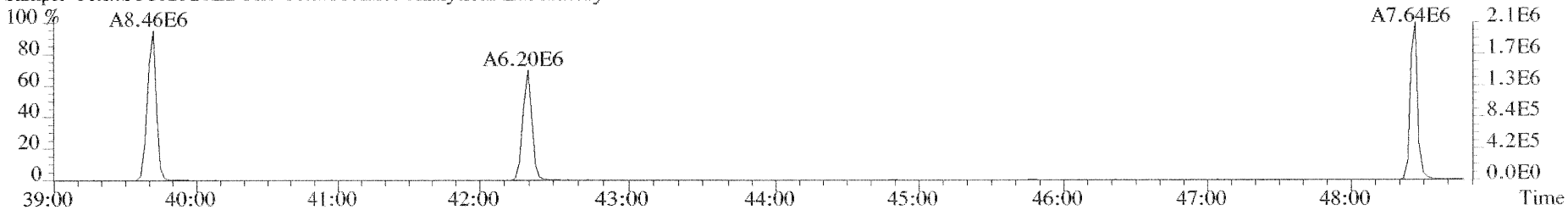
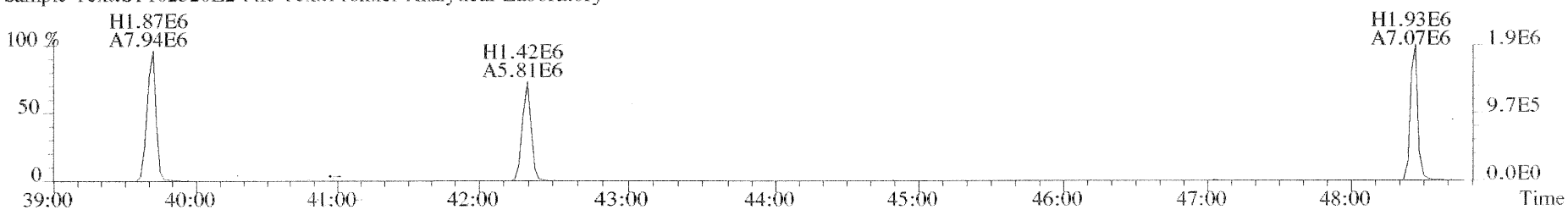
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



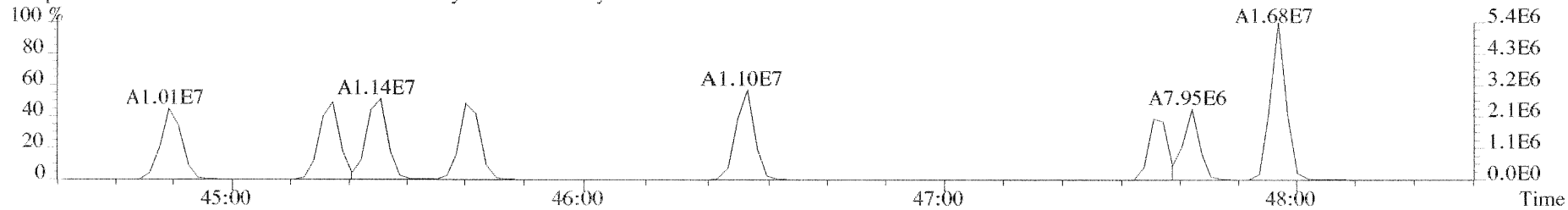
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



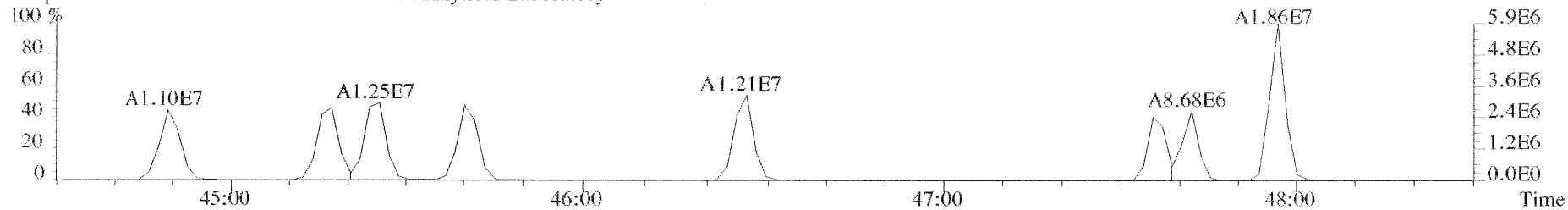
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



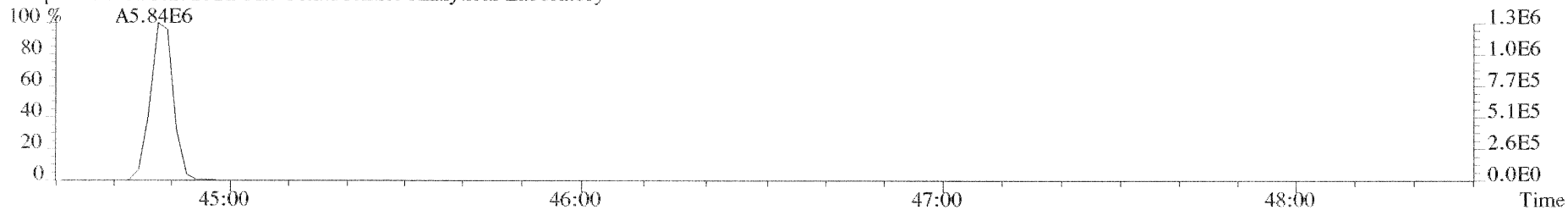
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



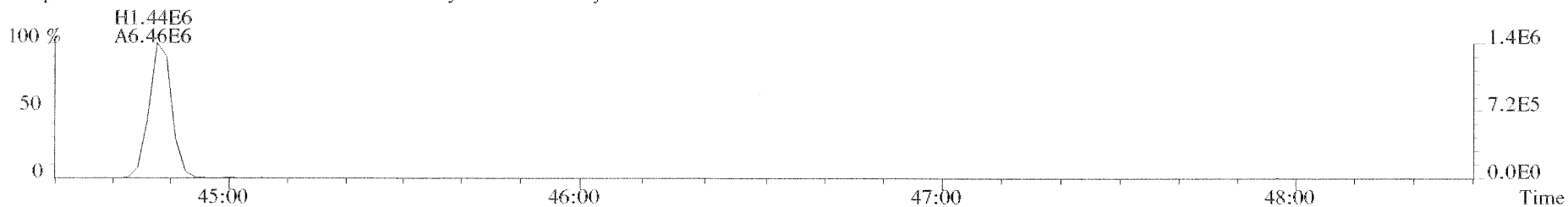
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



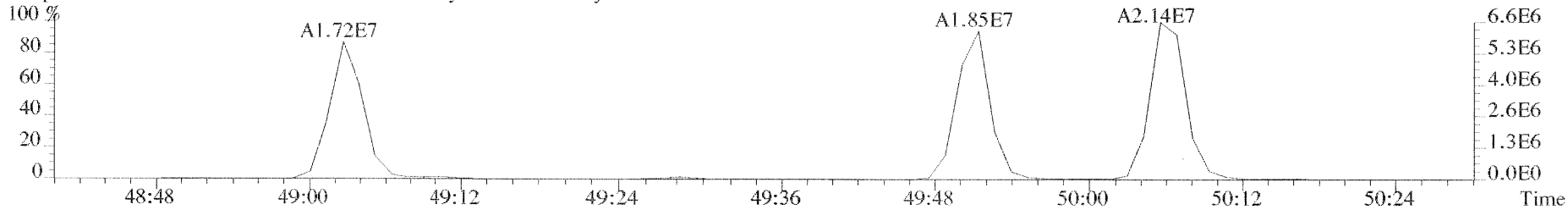
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



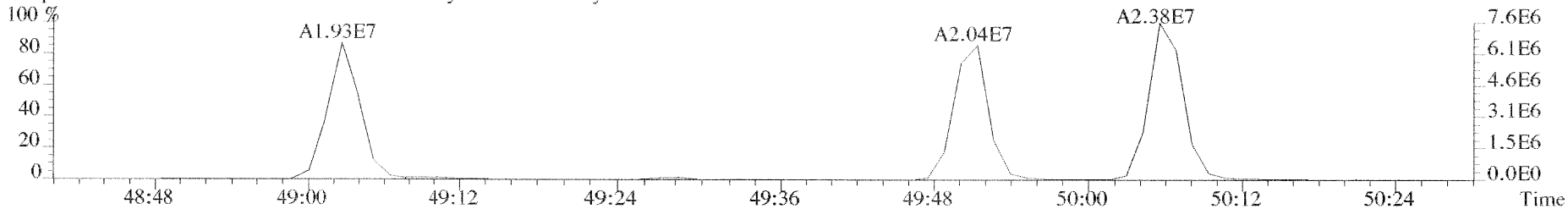
File:23OCT20Z #1-407 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



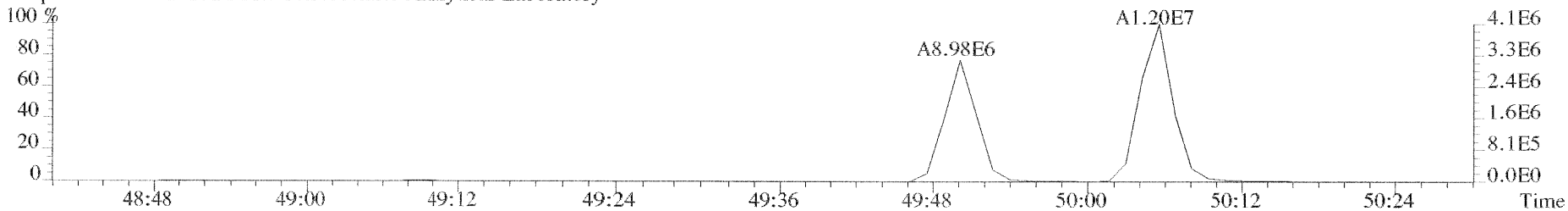
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



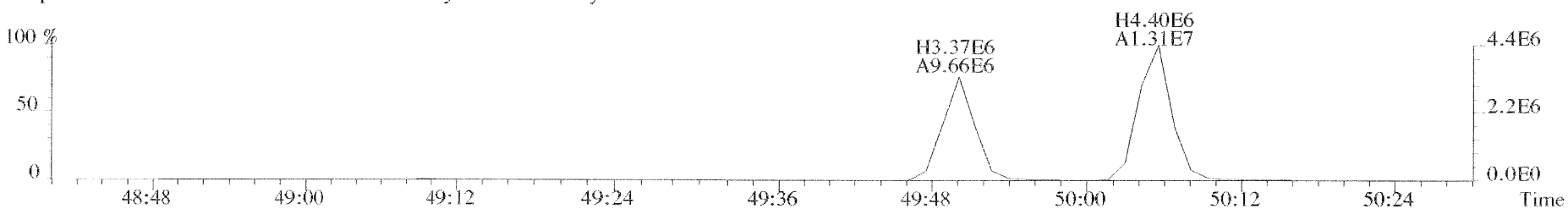
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



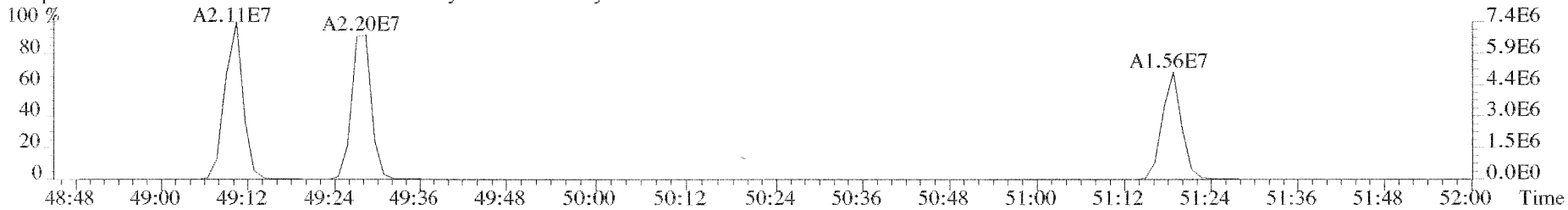
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



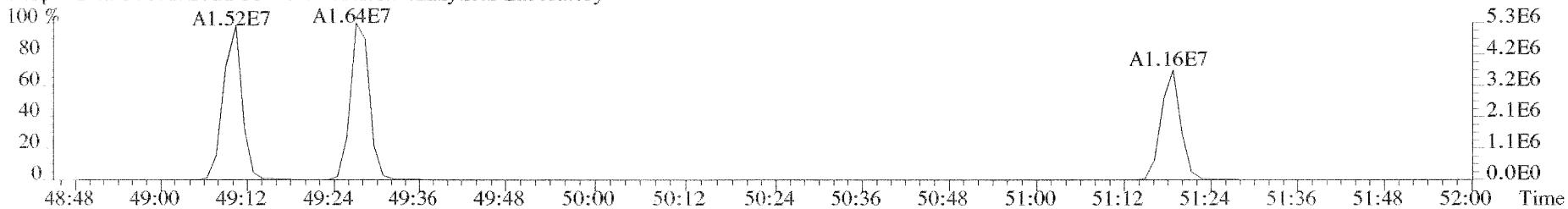
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



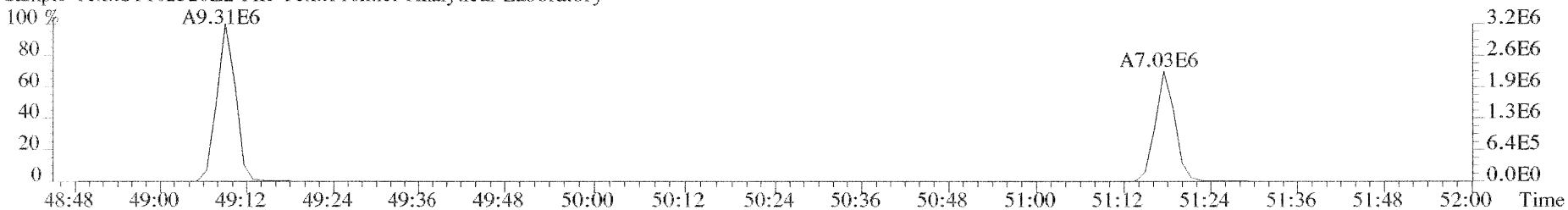
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



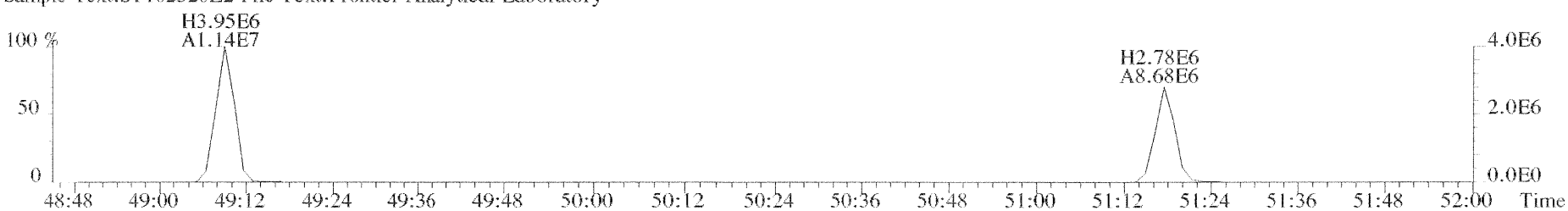
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



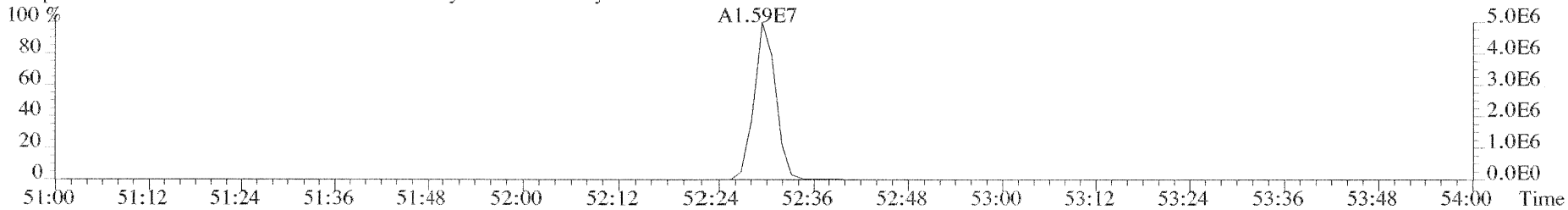
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



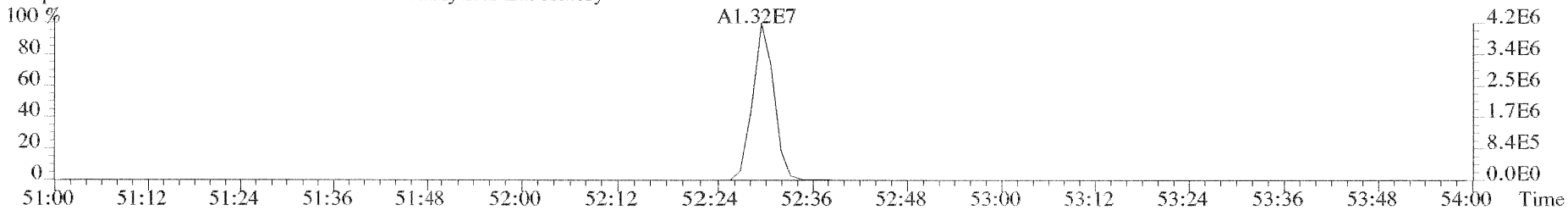
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



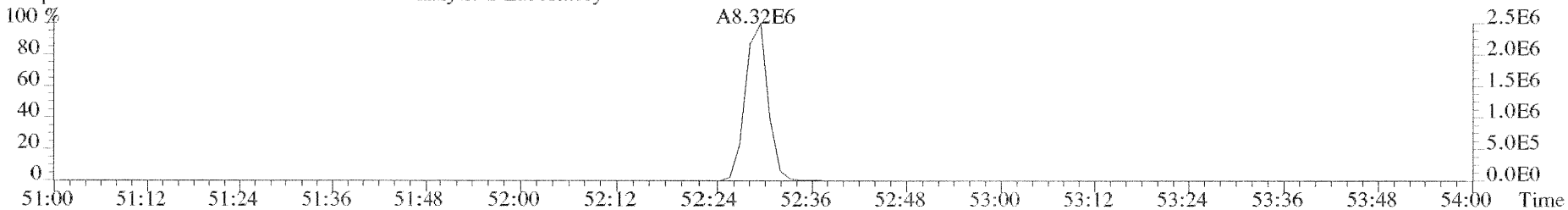
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



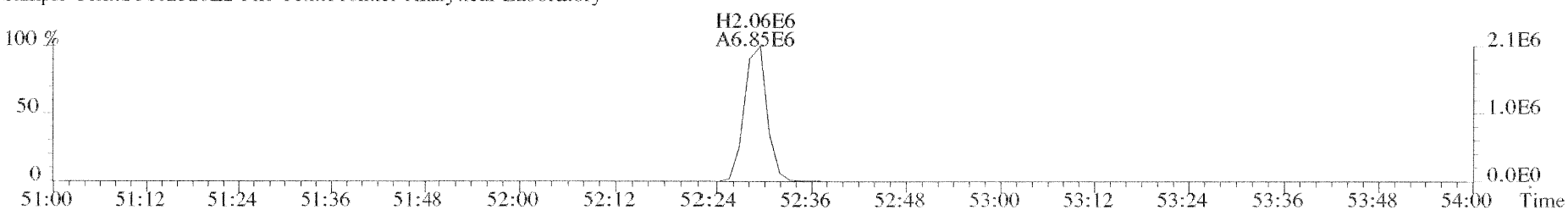
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory



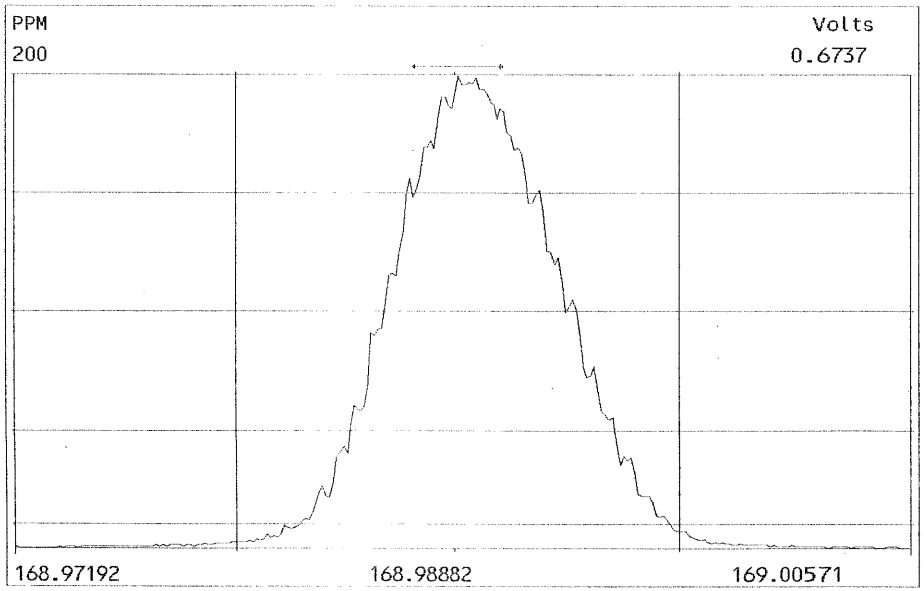
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory

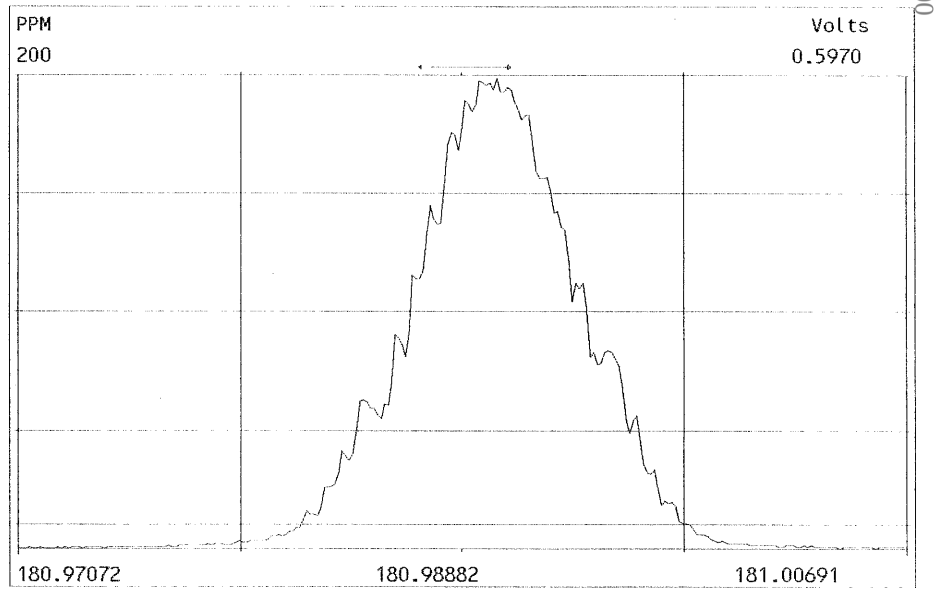


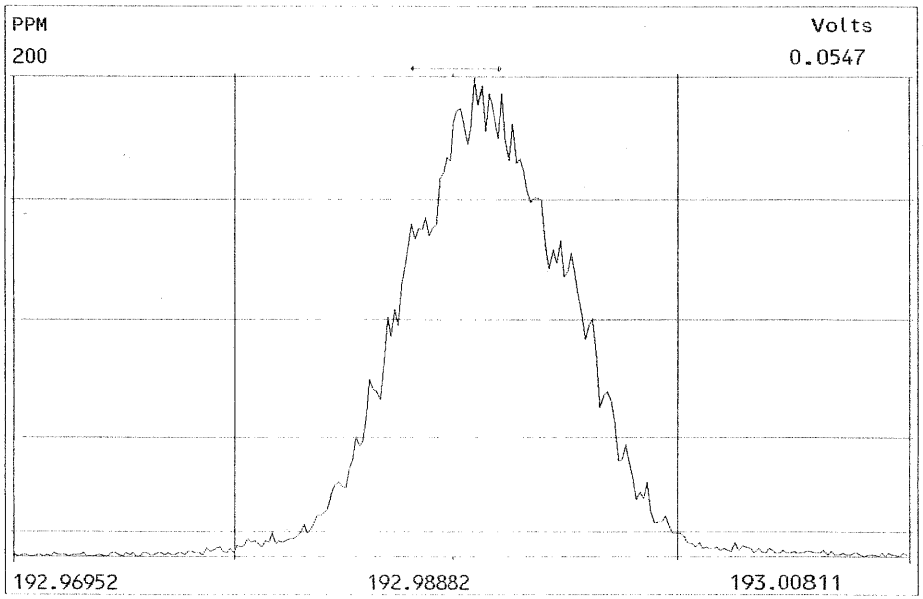
File:23OCT20Z #1-314 Acq:24-OCT-2020 00:28:20 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST102320Z2 File Text:Frontier Analytical Laboratory

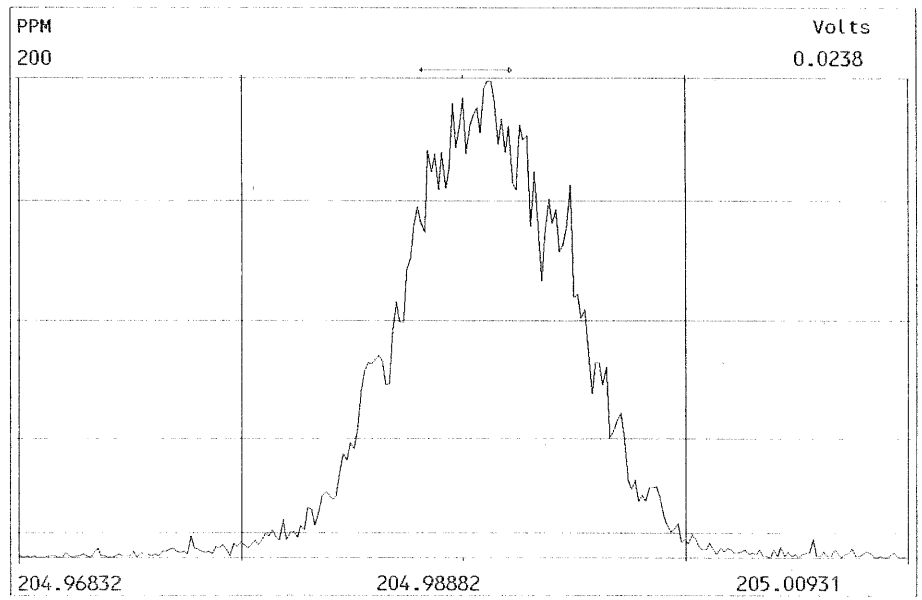


Peak Locate Examination:24-OCT-2020:01:55 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

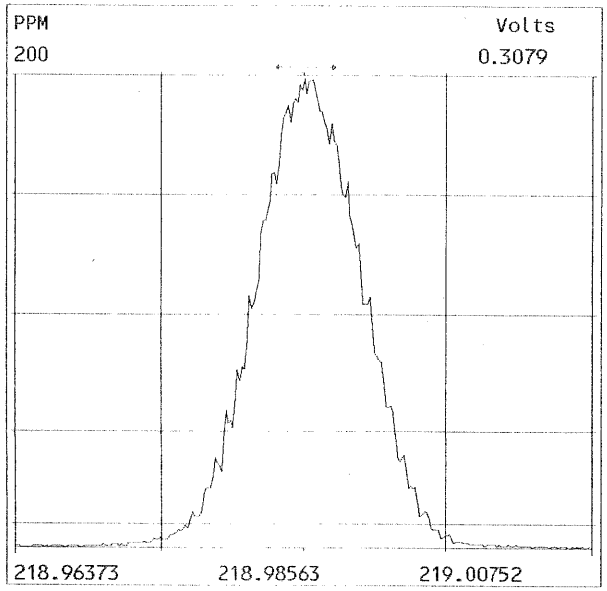


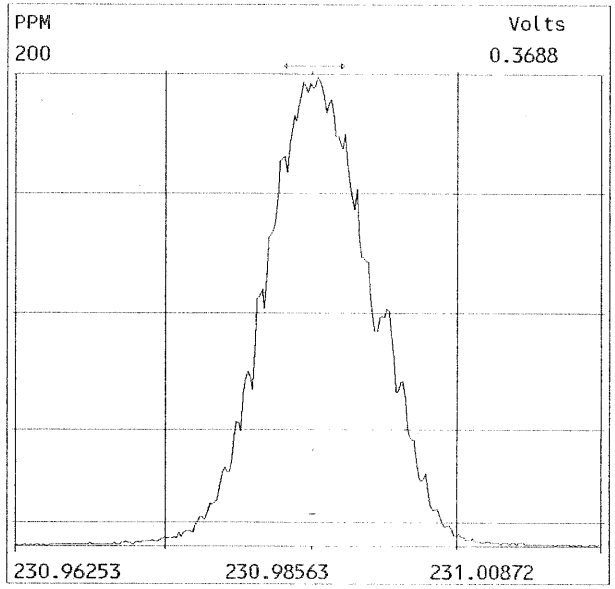


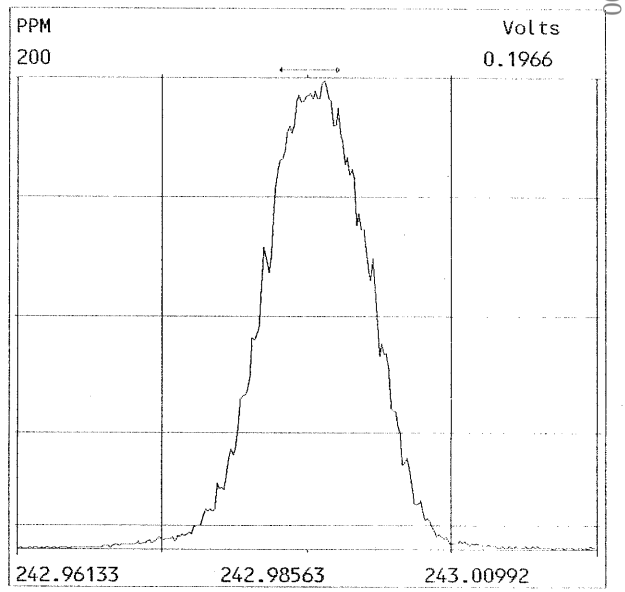


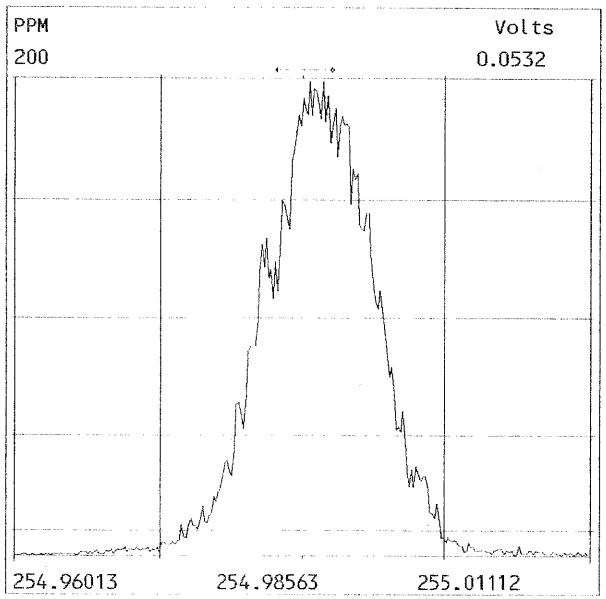


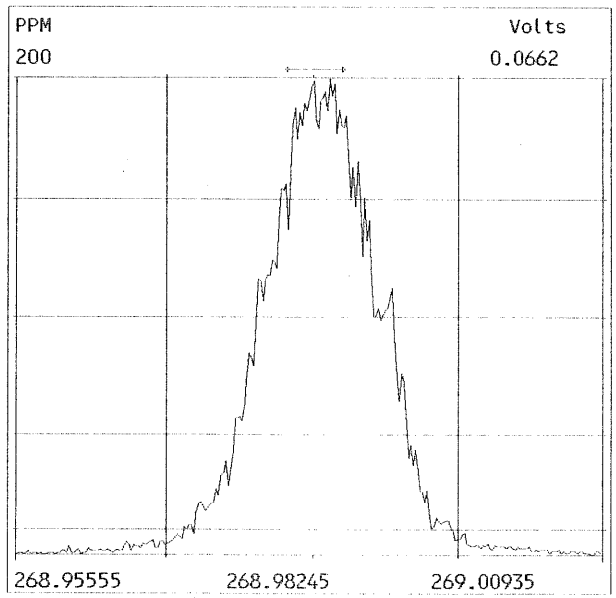
Peak Locate Examination:24-OCT-2020:01:58 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

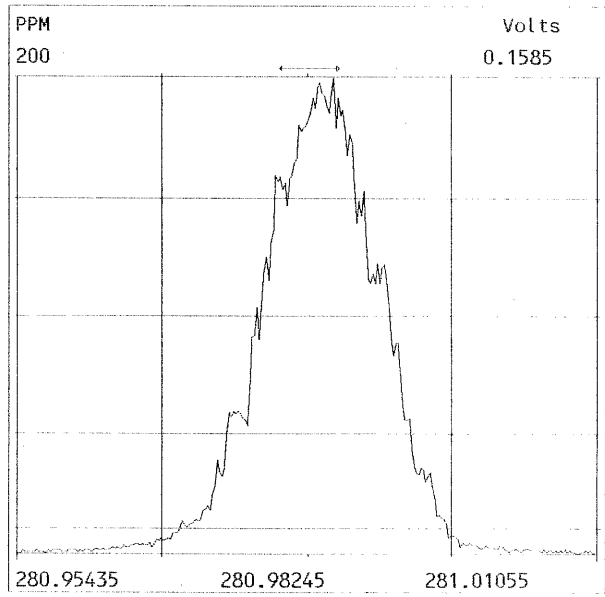




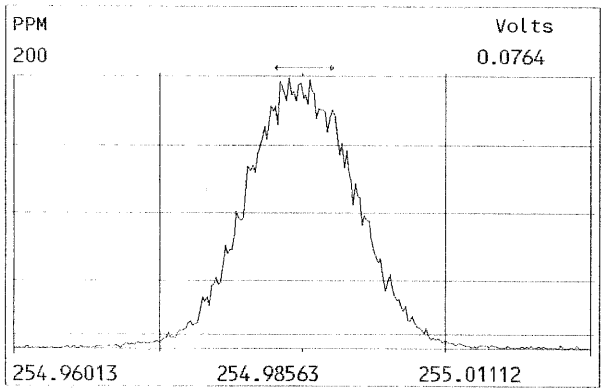


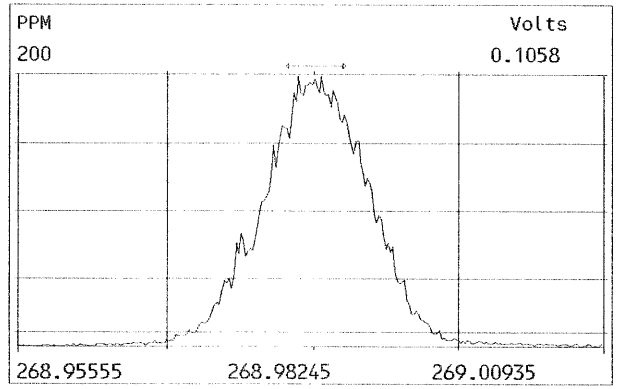


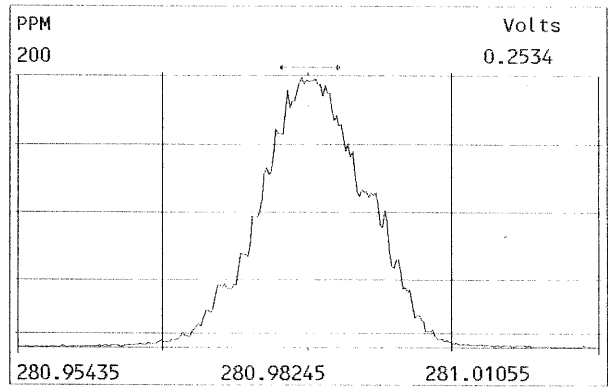


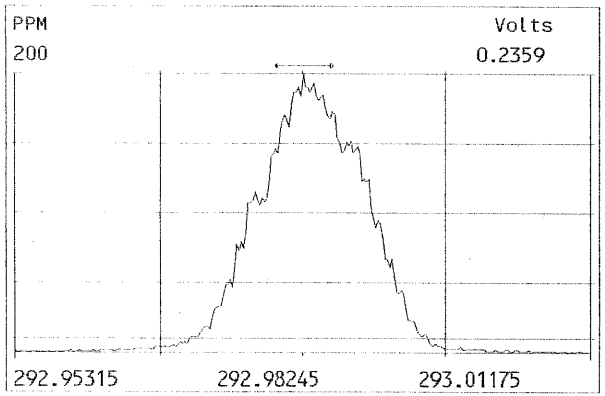


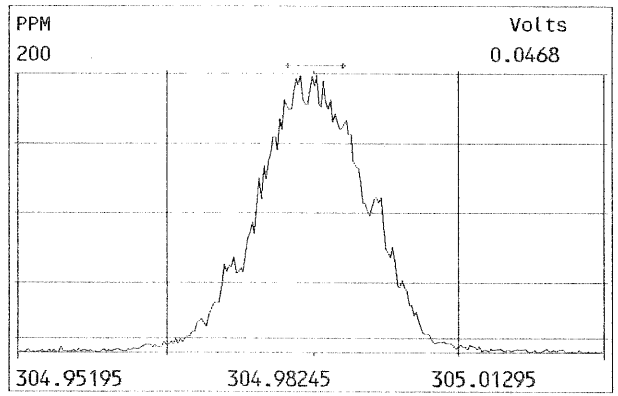
Peak Locate Examination:24-OCT-2020:02:00 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

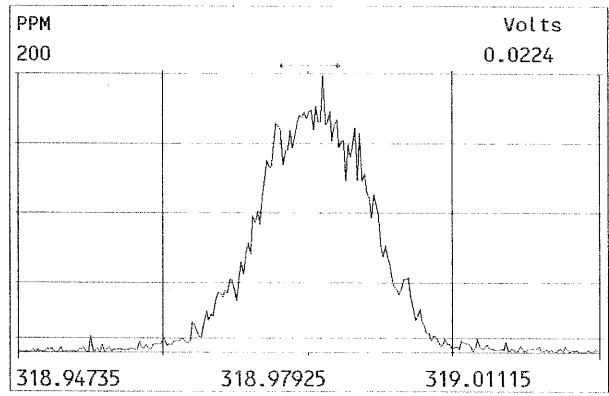


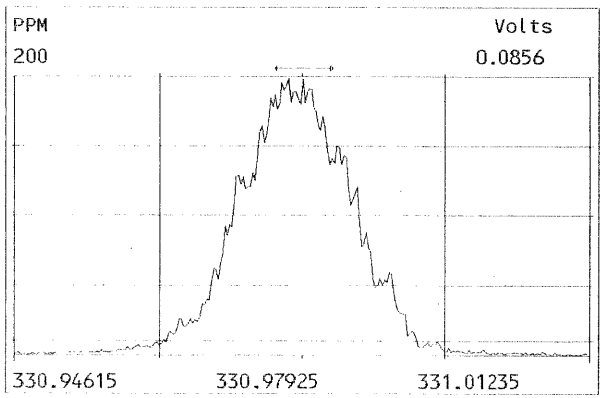


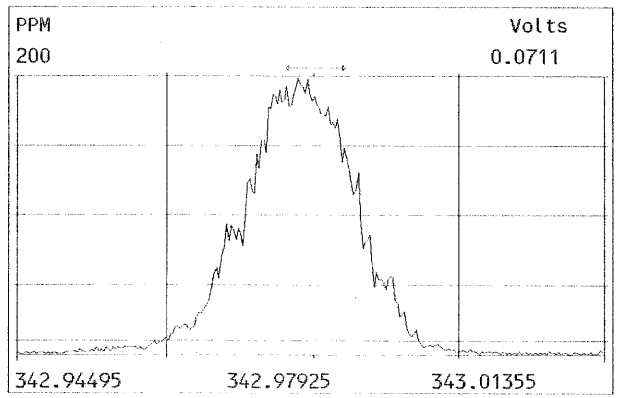




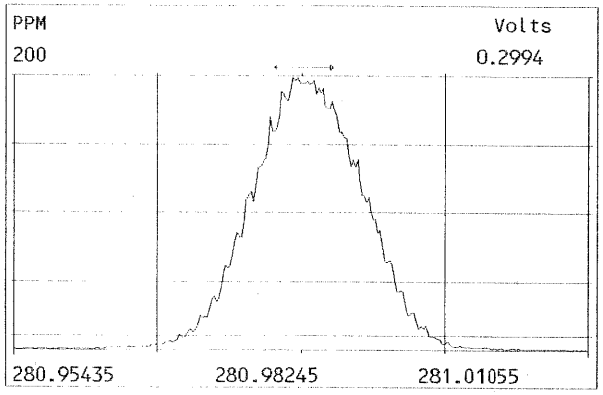


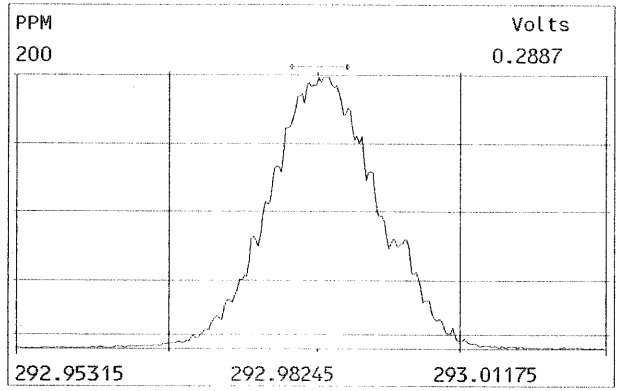


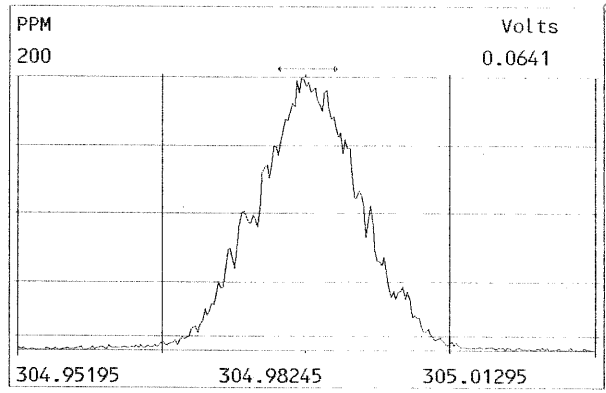


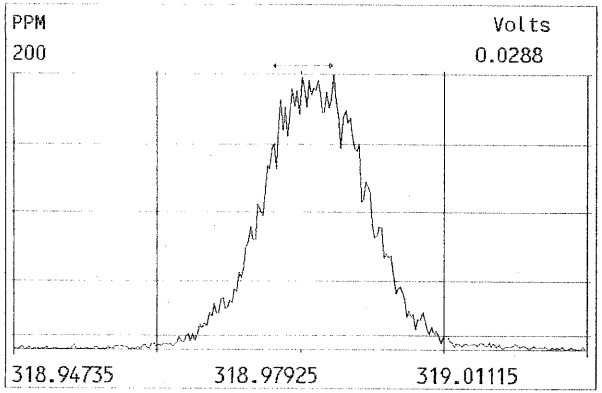


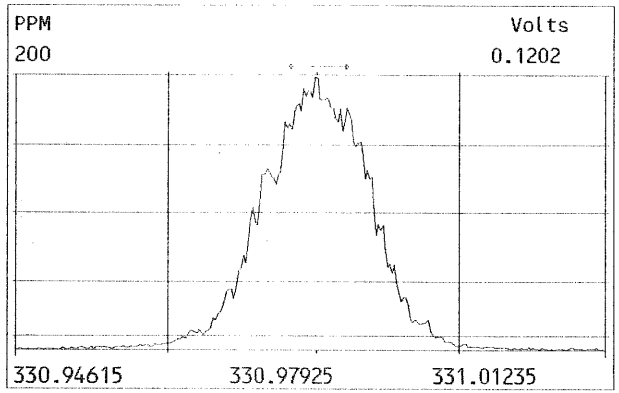
Peak Locate Examination:24-OCT-2020:02:02 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

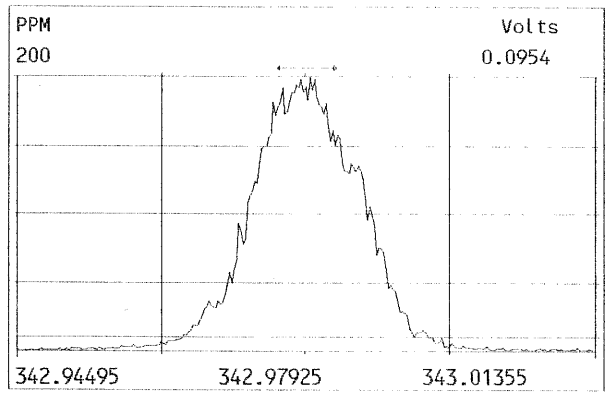


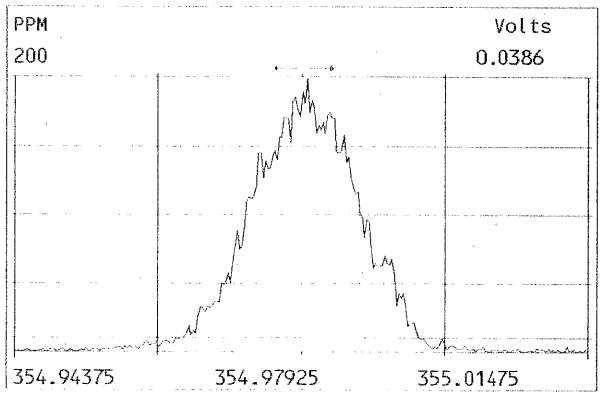


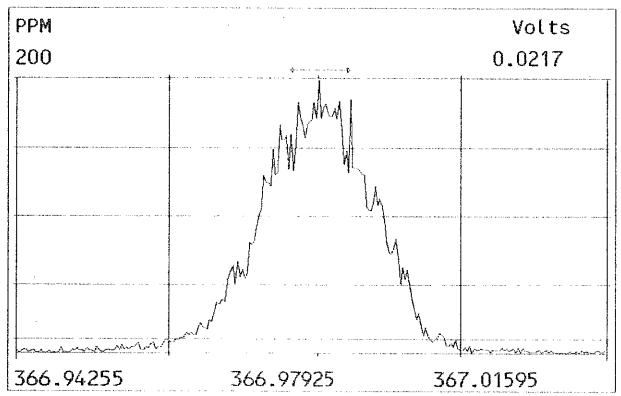


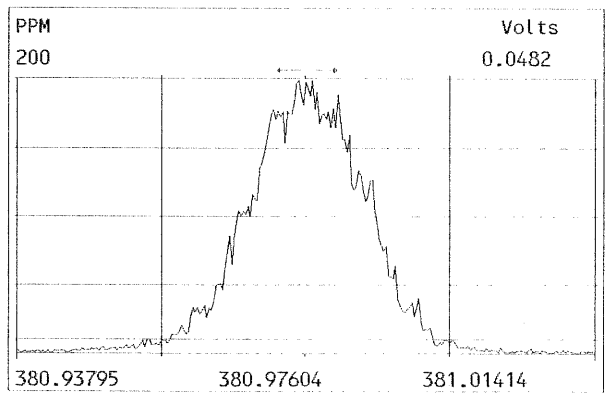




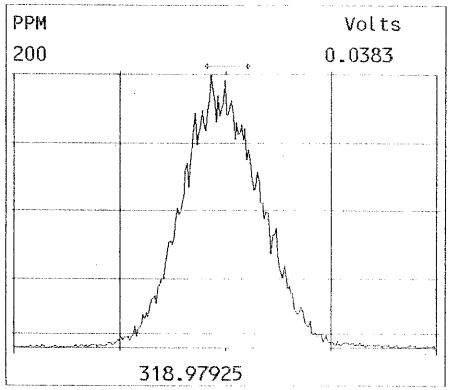


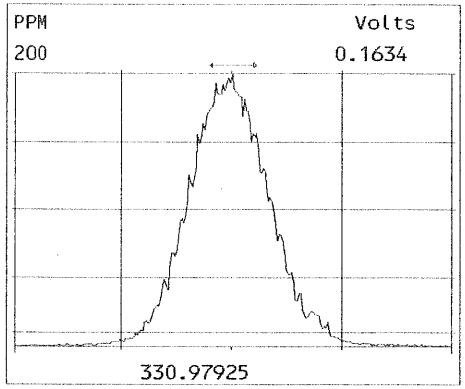


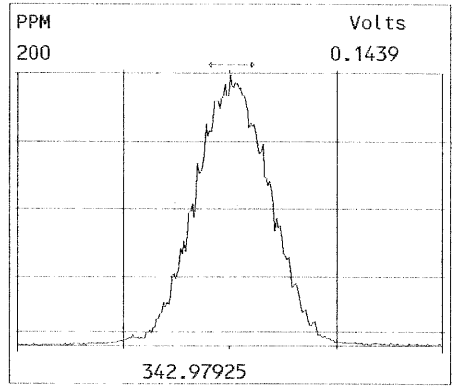


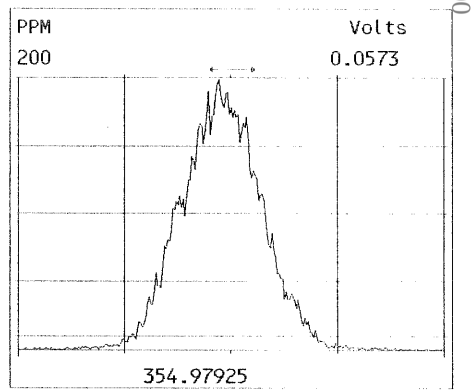


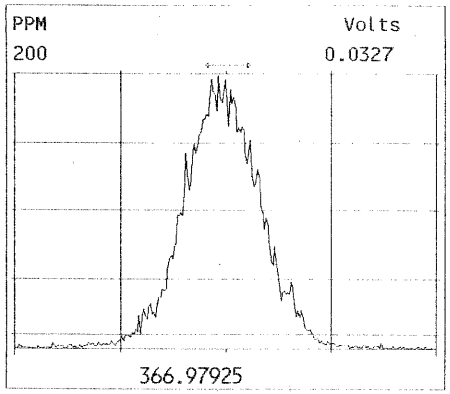
Peak Locate Examination:24-OCT-2020:02:05 File:23OCT20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

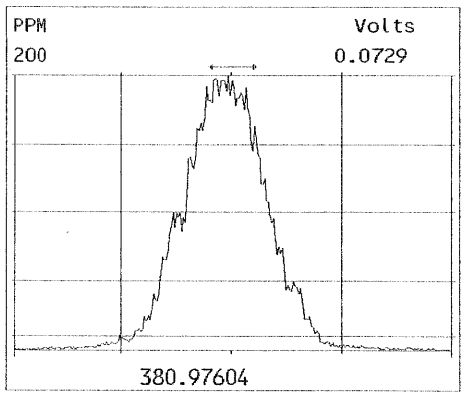


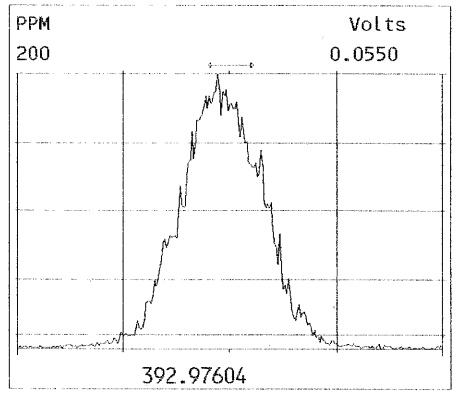


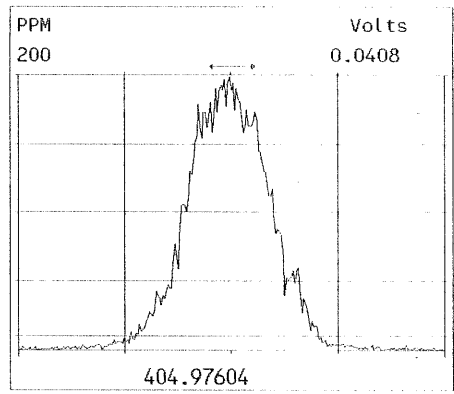


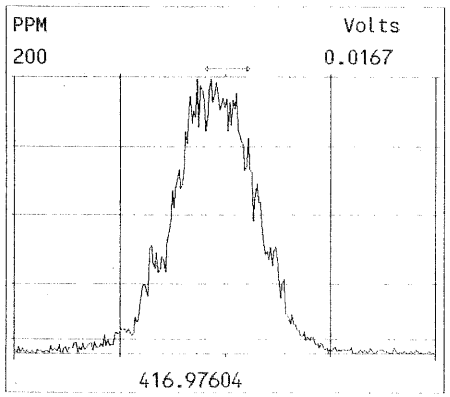


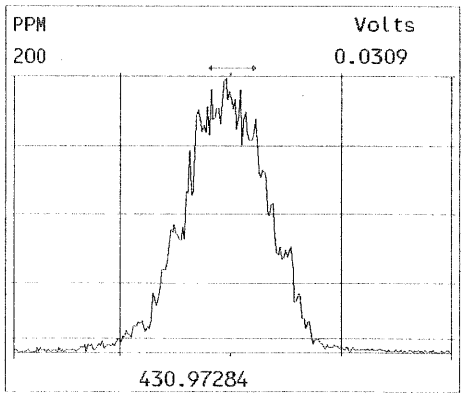


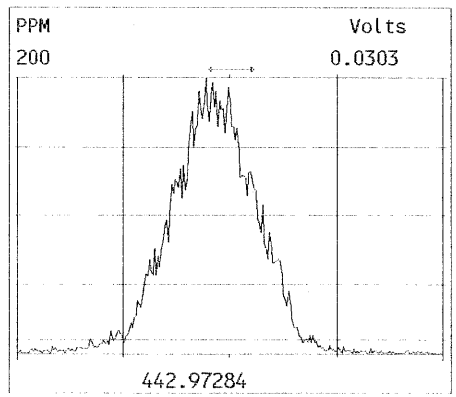
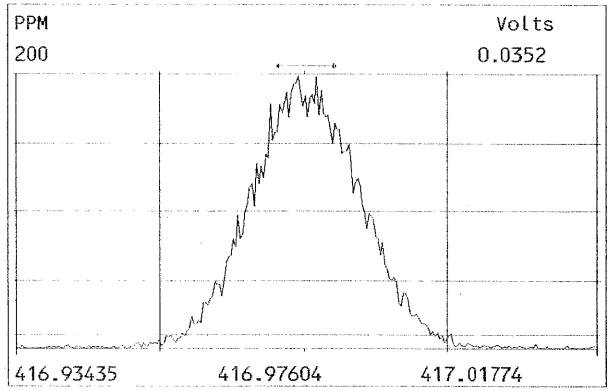
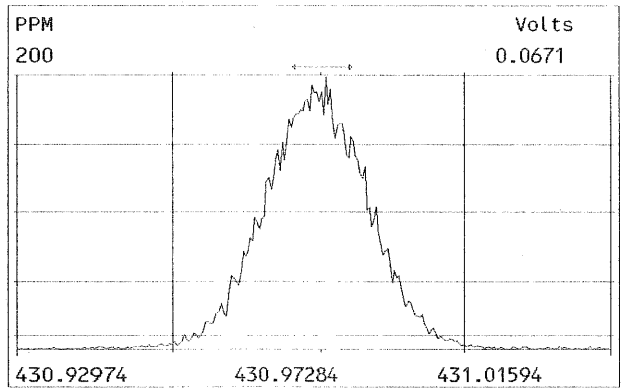
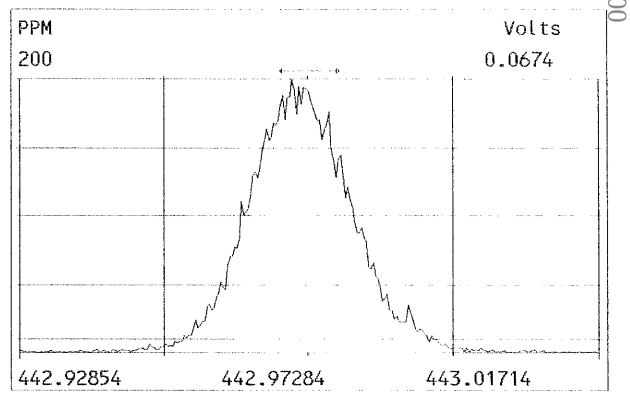
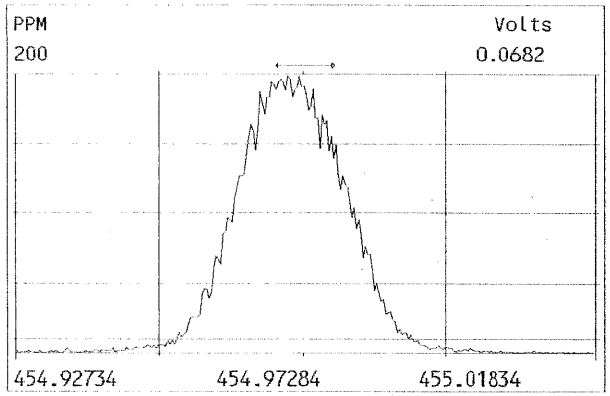
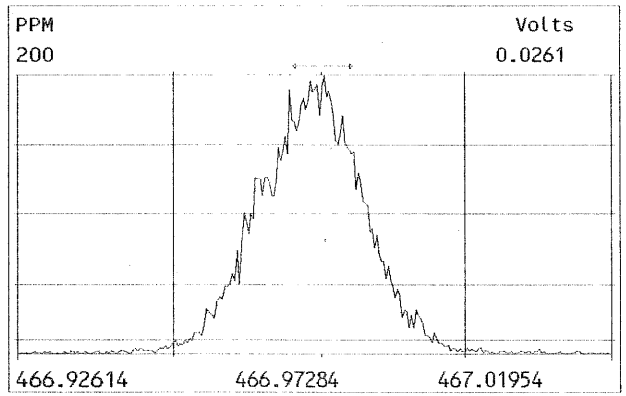
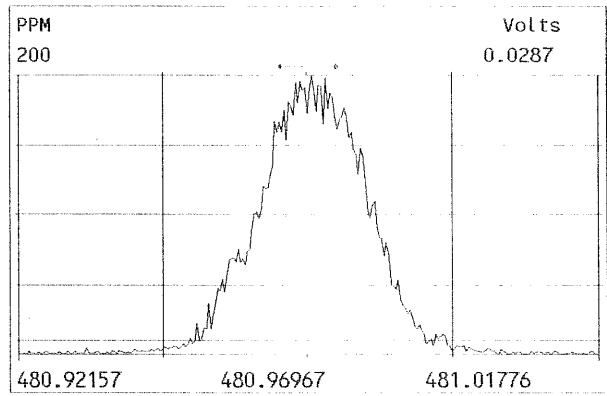
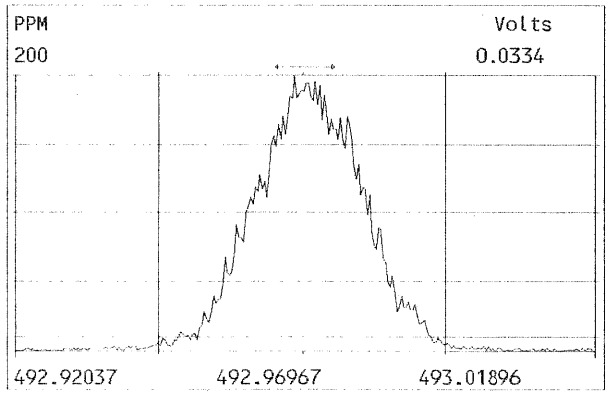
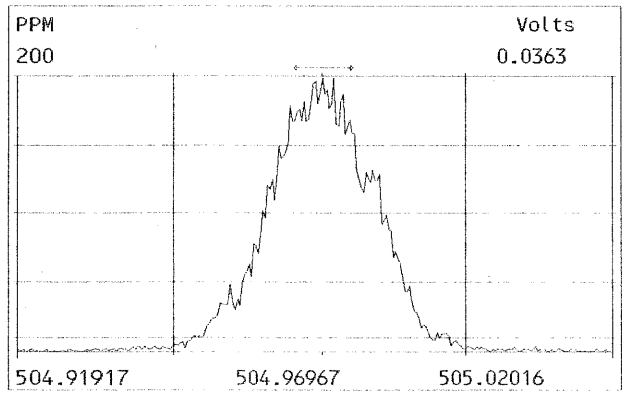
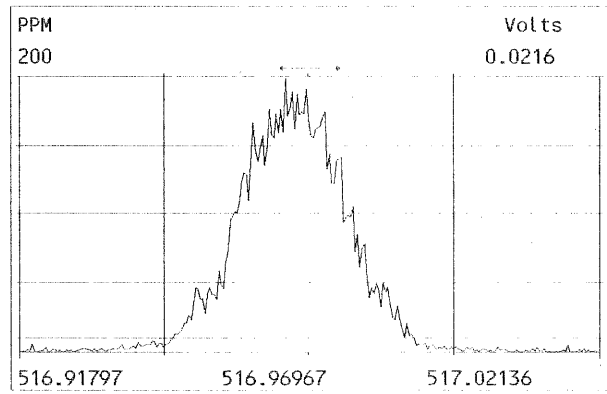








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