November 13, 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 **13380**. These results correspond to your **LDW ENR/AC Pilot Study** project. Twenty-four tissue samples were received on 10/06/2020. All twenty-four of the tissue samples were homogenized. After homogenization, we followed the guidelines of your compositing table. Equal portions of series of six tissue samples combined to create the following samples; 13380-007-SA, 13380-014-SA, 13380-021-SA and 13380-028-SA (Floyd Snider Sample IDs: LDW-Y3-LBS-SU-ENR-A-WORM, LDW-Y3-LBS-SU-ENR-B-WORM, LDW-Y3-LBS-SU-ENR-C-WORM and LDW-Y3-LBS-SU-ENR+AC-A-WORM respectively). These "new" samples were then homogenized and a subsample of each was analyzed for all 209 polychlorinated biphenyls (PCBs). 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.

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 custodies, your composite table, our sample login form and the sample photos. The Laboratory Raw Data section contains our project request sheet, the percent lipids 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 **13380**, 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: **13380**

Received on: **10/06/2020** Project Due: **10/28/2020** Storage: **F-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13380-001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1A-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:55 pm	09/24/2021
13380-002-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2A-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:32 am	09/24/2021
13380-003-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3A-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:45 pm	09/24/2021
13380-004-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4A-WORM	EPA 1668 PCB	Tissue	09/24/2020	10:14 am	09/24/2021
13380-005-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5A-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:31 pm	09/24/2021
13380-006-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6A-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:49 pm	09/24/2021
13380-007-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-A-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13380-008-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1B-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:00 pm	09/24/2021
13380-009-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2B-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:25 pm	09/24/2021
13380-010-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3B-WORM	EPA 1668 PCB	Tissue	09/24/2020	03:08 pm	09/24/2021
13380-011-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4B-WORM	EPA 1668 PCB	Tissue	09/24/2020	11:10 am	09/24/2021
13380-012-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5B-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:39 pm	09/24/2021
13380-013-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6B-WORM	EPA 1668 PCB	Tissue	09/24/2020	03:26 pm	09/24/2021
13380-014-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-B-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13380-015-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-1C-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:12 am	09/24/2021
13380-016-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-2C-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:58 am	09/24/2021
13380-017-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-3C-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:24 am	09/24/2021
13380-018-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-4C-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:21 pm	09/24/2021
13380-019-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-5C-WORM	EPA 1668 PCB	Tissue	09/24/2020	03:19 pm	09/24/2021
13380-020-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-6C-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:54 pm	09/24/2021
13380-021-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR-C-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13380-022-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-1A-WORM	EPA 1668 PCB	Tissue	09/24/2020	10:27 am	09/24/2021
13380-023-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-2A-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:12 pm	09/24/2021
13380-024-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-3A-WORM	EPA 1668 PCB	Tissue	09/24/2020	11:55 am	09/24/2021
13380-025-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-4A-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:27 pm	09/24/2021
13380-026-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-5A-WORM	EPA 1668 PCB	Tissue	09/24/2020	11:16 am	09/24/2021
13380-027-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-6A-WORM	EPA 1668 PCB	Tissue	09/24/2020	02:45 pm	09/24/2021
13380-028-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-A-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021

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EPA Method 1668
PCBs

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.480			PCB-51	ND	0.778		
PCB-2	ND	0.459			PCB-52	ND	0.799	C	69
PCB-3	ND	0.442			PCB-53	ND	0.835		
PCB-4	ND	1.90			PCB-54	ND	0.626		
PCB-5	ND	1.07			PCB-55	ND	0.628		
PCB-6	ND	1.10			PCB-56	ND	0.579	C	60
PCB-7	ND	1.09			PCB-57	ND	0.641		
PCB-8	ND	1.11			PCB-58	ND	0.593		
PCB-9	ND	1.10			PCB-59	-	-	C042	42
PCB-10	ND	1.02			PCB-60	-	-	C056	56
PCB-11	ND	1.18			PCB-61	ND	0.693	C	70
PCB-12	ND	1.16			PCB-62	ND	0.630		
PCB-13	ND	1.17			PCB-63	ND	0.636		
PCB-14	ND	1.14			PCB-64	-	-	C041	41/71/72
PCB-15	ND	1.11			PCB-65	ND	0.695		
PCB-16	ND	0.753			PCB-66	ND	0.622	C	76
PCB-17	ND	0.835			PCB-67	ND	0.698		
PCB-18	ND	0.903			PCB-68	ND	0.610		
PCB-19	ND	0.896			PCB-69	-	-	C052	52
PCB-20	ND	0.511	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.446			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.435			PCB-73	ND	0.622		
PCB-24	ND	0.657			PCB-74	ND	0.668		
PCB-25	ND	0.505			PCB-75	-	-	C048	48
PCB-26	ND	0.498			PCB-76	-	-	C066	66
PCB-27	ND	0.647			PCB-77	ND	0.617		
PCB-28	ND	0.425			PCB-78	ND	0.571		
PCB-29	ND	0.470			PCB-79	ND	0.551		
PCB-30	ND	0.619			PCB-80	ND	0.542		
PCB-31	ND	0.470			PCB-81	ND	0.547		
PCB-32	ND	0.703			PCB-82	ND	1.15		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.886	C	112
PCB-34	ND	0.523			PCB-84	ND	0.968	C	92
PCB-35	ND	0.533			PCB-85	ND	0.812	C	116
PCB-36	ND	0.498			PCB-86	ND	1.01		
PCB-37	ND	0.517			PCB-87	ND	0.780	C	117/125
PCB-38	ND	0.496			PCB-88	ND	0.864	C	91
PCB-39	ND	0.500			PCB-89	ND	0.982		
PCB-40	ND	1.10			PCB-90	ND	0.879	C	101
PCB-41	ND	0.694	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.775	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.874	C	49	PCB-93	ND	0.906		
PCB-44	ND	1.01			PCB-94	ND	0.947		
PCB-45	ND	0.948			PCB-95	ND	0.894		
PCB-46	ND	0.996			PCB-96	ND	0.657		
PCB-47	ND	0.823			PCB-97	ND	1.01		
PCB-48	ND	0.701	C	75	PCB-98	ND	0.904	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.758		
PCB-50	ND	0.801			PCB-100	ND	0.780		

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EPA Method 1668
PCBs

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.843		
PCB-102	-	-	C098	98	PCB-152	ND	0.652		
PCB-103	ND	0.803			PCB-153	ND	0.708		
PCB-104	ND	0.635			PCB-154	ND	0.756		
PCB-105	ND	0.649			PCB-155	ND	0.612		
PCB-106	ND	0.630	C	118	PCB-156	ND	0.674		
PCB-107	ND	0.661	C	108	PCB-157	ND	0.673		
PCB-108	-	-	C107	107	PCB-158	ND	0.635	C	160
PCB-109	ND	0.710			PCB-159	ND	0.610		
PCB-110	ND	0.679			PCB-160	-	-	C158	158
PCB-111	ND	0.680	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.825			PCB-163	-	-	C138	138/164
PCB-114	ND	0.663			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.654		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.661		
PCB-118	-	-	C	106	PCB-168	ND	0.635		
PCB-119	ND	0.693			PCB-169	ND	0.690		
PCB-120	ND	0.669			PCB-170	ND	0.973		
PCB-121	ND	0.654			PCB-171	ND	0.903		
PCB-122	ND	0.647			PCB-172	ND	0.958		
PCB-123	ND	0.723			PCB-173	ND	0.964		
PCB-124	ND	0.657			PCB-174	ND	0.972		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.881		
PCB-126	ND	0.768			PCB-176	ND	0.685		
PCB-127	ND	0.691			PCB-177	ND	0.956		
PCB-128	ND	0.758	C	162	PCB-178	ND	0.934		
PCB-129	ND	0.977			PCB-179	ND	0.651		
PCB-130	ND	0.950			PCB-180	ND	0.916		
PCB-131	ND	0.920	C	133	PCB-181	ND	0.813		
PCB-132	ND	0.741	C	161	PCB-182	ND	0.822	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.825		
PCB-134	ND	0.936	C	143	PCB-184	ND	0.616		
PCB-135	ND	0.837			PCB-185	ND	0.908		
PCB-136	ND	0.670			PCB-186	ND	0.671		
PCB-137	ND	0.824			PCB-187	-	-	C182	182
PCB-138	ND	0.707	C	163/164	PCB-188	ND	0.670		
PCB-139	ND	0.775	C	149	PCB-189	ND	0.731		
PCB-140	ND	0.764			PCB-190	ND	0.710		
PCB-141	ND	0.824			PCB-191	ND	0.693		
PCB-142	ND	0.899			PCB-192	ND	0.714		
PCB-143	-	-	C134	134	PCB-193	ND	0.673		
PCB-144	ND	0.819			PCB-194	ND	0.749		
PCB-145	ND	0.637			PCB-195	ND	0.767		
PCB-146	ND	0.704	C	165	PCB-196	ND	0.999	C	203
PCB-147	ND	0.758			PCB-197	ND	0.779		
PCB-148	ND	0.822			PCB-198	ND	1.11		
PCB-149	-	-	C139	139	PCB-199	ND	1.08		
PCB-150	ND	0.646			PCB-200	ND	0.803		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.804		
PCB-202	ND	0.860		
PCB-203	-	-	C196	196
PCB-204	ND	0.786		
PCB-205	ND	0.604		
PCB-206	ND	0.758		
PCB-207	ND	0.549		
PCB-208	ND	0.536		
PCB-209	ND	0.606		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	74.2	5.00 - 145	
13C-PCB-3	85.2	5.00 - 145	
13C-PCB-4	81.9	5.00 - 145	
13C-PCB-15	99.8	5.00 - 145	
13C-PCB-19	87.9	5.00 - 145	
13C-PCB-37	103	5.00 - 145	
13C-PCB-54	83.4	5.00 - 145	
13C-PCB-77	94.6	10.0 - 145	
13C-PCB-81	93.7	10.0 - 145	
13C-PCB-104	86.9	10.0 - 145	
13C-PCB-105	91.9	10.0 - 145	
13C-PCB-114	95.8	10.0 - 145	
13C-PCB-118	95.9	10.0 - 145	
13C-PCB-123	94.1	10.0 - 145	
13C-PCB-126	94.5	10.0 - 145	
13C-PCB-155	100	10.0 - 145	
13C-PCB-156	101	10.0 - 145	
13C-PCB-157	93.6	10.0 - 145	
13C-PCB-167	94.8	10.0 - 145	
13C-PCB-169	96.1	10.0 - 145	
13C-PCB-188	101	10.0 - 145	
13C-PCB-189	99.7	10.0 - 145	
13C-PCB-202	97.4	10.0 - 145	
13C-PCB-205	101	10.0 - 145	
13C-PCB-206	99.1	10.0 - 145	
13C-PCB-208	102	10.0 - 145	
13C-PCB-209	103	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	91.0	5.00 - 145	
13C-PCB-111	93.7	10.0 - 145	
13C-PCB-178	97.5	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: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-001-OPR
Client ID: OPR
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: ng/ml

Acquired: 11-07-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	98.8	60.0 - 135	
PCB-3	97.0	60.0 - 135	
PCB-4	115	60.0 - 135	
PCB-15	90.6	60.0 - 135	
PCB-19	95.0	60.0 - 135	
PCB-37	95.6	60.0 - 135	
PCB-54	98.4	60.0 - 135	
PCB-77	97.8	60.0 - 135	
PCB-81	89.6	60.0 - 135	
PCB-104	101	60.0 - 135	
PCB-105	89.8	60.0 - 135	
PCB-114	89.8	60.0 - 135	
PCB-118	104	60.0 - 135	
PCB-123	97.4	60.0 - 135	
PCB-126	92.6	60.0 - 135	
PCB-155	98.8	60.0 - 135	
PCB-156	95.0	60.0 - 135	
PCB-157	93.4	60.0 - 135	
PCB-167	98.6	60.0 - 135	
PCB-169	101	60.0 - 135	
PCB-188	101	60.0 - 135	
PCB-189	101	60.0 - 135	
PCB-202	108	60.0 - 135	
PCB-205	97.6	60.0 - 135	
PCB-206	102	60.0 - 135	
PCB-208	99.4	60.0 - 135	
PCB-209	99.4	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	73.7	15.0 - 145	
13C-PCB-3	86.3	15.0 - 145	
13C-PCB-4	81.7	15.0 - 145	
13C-PCB-15	94.9	15.0 - 145	
13C-PCB-19	93.6	15.0 - 145	
13C-PCB-37	92.4	15.0 - 145	
13C-PCB-54	92.4	15.0 - 145	
13C-PCB-77	94.6	40.0 - 145	
13C-PCB-81	93.6	40.0 - 145	
13C-PCB-104	104	40.0 - 145	
13C-PCB-105	91.3	40.0 - 145	
13C-PCB-114	91.5	40.0 - 145	
13C-PCB-118	88.6	40.0 - 145	
13C-PCB-123	94.0	40.0 - 145	
13C-PCB-126	93.3	40.0 - 145	
13C-PCB-155	106	40.0 - 145	
13C-PCB-156	99.4	40.0 - 145	
13C-PCB-157	98.8	40.0 - 145	
13C-PCB-167	95.7	40.0 - 145	
13C-PCB-169	103	40.0 - 145	
13C-PCB-188	98.9	40.0 - 145	
13C-PCB-189	108	40.0 - 145	
13C-PCB-202	97.7	40.0 - 145	
13C-PCB-205	97.2	40.0 - 145	
13C-PCB-206	92.7	40.0 - 145	
13C-PCB-208	95.1	40.0 - 145	
13C-PCB-209	98.1	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	102	15.0 - 145	
13C-PCB-111	95.1	40.0 - 145	
13C-PCB-178	102	40.0 - 145	

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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

EPA Method 1668
PCBs

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020
Total Conc: 0.0

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.390			PCB-51	ND	0.750		
PCB-2	ND	0.384			PCB-52	ND	0.679	C	69
PCB-3	ND	0.383			PCB-53	ND	0.749		
PCB-4	ND	1.21			PCB-54	ND	0.556		
PCB-5	ND	0.602			PCB-55	ND	0.544		
PCB-6	ND	0.621			PCB-56	ND	0.600	C	60
PCB-7	ND	0.597			PCB-57	ND	0.561		
PCB-8	ND	0.624			PCB-58	ND	0.559		
PCB-9	ND	0.609			PCB-59	-	-	C042	42
PCB-10	ND	0.572			PCB-60	-	-	C056	56
PCB-11	ND	1.12			PCB-61	ND	0.617	C	70
PCB-12	ND	0.636			PCB-62	ND	0.630		
PCB-13	ND	0.648			PCB-63	ND	0.565		
PCB-14	ND	0.600			PCB-64	-	-	C041	41/71/72
PCB-15	ND	0.537			PCB-65	ND	0.595		
PCB-16	ND	0.536			PCB-66	ND	0.531	C	76
PCB-17	ND	0.598			PCB-67	ND	0.569		
PCB-18	ND	0.641			PCB-68	ND	0.532		
PCB-19	ND	0.683			PCB-69	-	-	C052	52
PCB-20	ND	0.568	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	0.526			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.525			PCB-73	ND	0.632		
PCB-24	ND	0.462			PCB-74	ND	0.566		
PCB-25	ND	0.582			PCB-75	-	-	C048	48
PCB-26	ND	0.562			PCB-76	-	-	C066	66
PCB-27	ND	0.478			PCB-77	ND	0.651		
PCB-28	ND	0.454			PCB-78	ND	0.576		
PCB-29	ND	0.536			PCB-79	ND	0.582		
PCB-30	ND	0.435			PCB-80	ND	0.464		
PCB-31	ND	0.599			PCB-81	ND	0.536		
PCB-32	ND	0.514			PCB-82	ND	0.981		
PCB-33	-	-	C020	20/21	PCB-83	ND	0.743	C	112
PCB-34	ND	0.569			PCB-84	ND	0.840	C	92
PCB-35	ND	0.595			PCB-85	ND	0.697	C	116
PCB-36	ND	0.554			PCB-86	ND	0.877		
PCB-37	ND	0.560			PCB-87	ND	0.663	C	117/125
PCB-38	ND	0.573			PCB-88	ND	0.661	C	91
PCB-39	ND	0.547			PCB-89	ND	0.845		
PCB-40	ND	0.978			PCB-90	ND	0.746	C	101
PCB-41	ND	0.615	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	0.679	C	59	PCB-92	-	-	C084	84
PCB-43	ND	0.791	C	49	PCB-93	ND	0.700		
PCB-44	ND	0.942			PCB-94	ND	0.773		
PCB-45	ND	0.872			PCB-95	ND	0.677		
PCB-46	ND	0.919			PCB-96	ND	0.555		
PCB-47	ND	0.749			PCB-97	ND	0.871		
PCB-48	ND	0.610	C	75	PCB-98	ND	0.752	C	102
PCB-49	-	-	C043	43	PCB-99	ND	0.670		
PCB-50	ND	0.725			PCB-100	ND	0.634		

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EPA Method 1668
PCBs

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	ND	0.735		
PCB-102	-	-	C098	98	PCB-152	ND	0.762		
PCB-103	ND	0.660			PCB-153	ND	0.622		
PCB-104	ND	0.518			PCB-154	ND	0.872		
PCB-105	ND	0.535			PCB-155	ND	0.699		
PCB-106	ND	0.599	C	118	PCB-156	ND	0.577		
PCB-107	ND	0.541	C	108	PCB-157	ND	0.591		
PCB-108	-	-	C107	107	PCB-158	ND	0.544	C	160
PCB-109	ND	0.626			PCB-159	ND	0.544		
PCB-110	ND	0.586			PCB-160	-	-	C158	158
PCB-111	ND	0.570	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.681			PCB-163	-	-	C138	138/164
PCB-114	ND	0.550			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.565		
PCB-117	-	-	C087	87/125	PCB-167	ND	0.637		
PCB-118	-	-	C	106	PCB-168	ND	0.542		
PCB-119	ND	0.615			PCB-169	ND	0.652		
PCB-120	ND	0.565			PCB-170	ND	0.803		
PCB-121	ND	0.552			PCB-171	ND	0.718		
PCB-122	ND	0.586			PCB-172	ND	0.763		
PCB-123	ND	0.647			PCB-173	ND	0.764		
PCB-124	ND	0.616			PCB-174	ND	0.722		
PCB-125	-	-	C087	87/117	PCB-175	ND	0.674		
PCB-126	ND	0.619			PCB-176	ND	0.502		
PCB-127	ND	0.598			PCB-177	ND	0.753		
PCB-128	ND	0.645	C	162	PCB-178	ND	0.698		
PCB-129	ND	0.823			PCB-179	ND	0.488		
PCB-130	ND	0.859			PCB-180	ND	0.710		
PCB-131	ND	0.778	C	133	PCB-181	ND	0.658		
PCB-132	ND	0.615	C	161	PCB-182	ND	0.639	C	187
PCB-133	-	-	C131	131	PCB-183	ND	0.624		
PCB-134	ND	0.811	C	143	PCB-184	ND	0.451		
PCB-135	ND	0.699			PCB-185	ND	0.692		
PCB-136	ND	0.782			PCB-186	ND	0.486		
PCB-137	ND	0.667			PCB-187	-	-	C182	182
PCB-138	ND	0.595	C	163/164	PCB-188	ND	0.565		
PCB-139	ND	0.652	C	149	PCB-189	ND	0.514		
PCB-140	ND	0.653			PCB-190	ND	0.611		
PCB-141	ND	0.726			PCB-191	ND	0.567		
PCB-142	ND	0.785			PCB-192	ND	0.586		
PCB-143	-	-	C134	134	PCB-193	ND	0.553		
PCB-144	ND	0.698			PCB-194	ND	0.556		
PCB-145	ND	0.731			PCB-195	ND	0.587		
PCB-146	ND	0.602	C	165	PCB-196	ND	0.837	C	203
PCB-147	ND	0.666			PCB-197	ND	0.635		
PCB-148	ND	0.952			PCB-198	ND	0.948		
PCB-149	-	-	C139	139	PCB-199	ND	0.911		
PCB-150	ND	0.754			PCB-200	ND	0.663		

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EPA Method 1668
PCBs

FAL ID: 13380-001-MB
Client ID: Method Blank
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	0.439		
PCB-202	ND	0.680		
PCB-203	-	-	C196	196
PCB-204	ND	0.641		
PCB-205	ND	0.490		
PCB-206	ND	0.582		
PCB-207	ND	0.386		
PCB-208	ND	0.375		
PCB-209	ND	0.480		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	76.0	5.00 - 145	
13C-PCB-3	89.2	5.00 - 145	
13C-PCB-4	83.4	5.00 - 145	
13C-PCB-15	119	5.00 - 145	
13C-PCB-19	94.9	5.00 - 145	
13C-PCB-37	92.2	5.00 - 145	
13C-PCB-54	93.8	5.00 - 145	
13C-PCB-77	94.0	10.0 - 145	
13C-PCB-81	97.2	10.0 - 145	
13C-PCB-104	92.0	10.0 - 145	
13C-PCB-105	106	10.0 - 145	
13C-PCB-114	103	10.0 - 145	
13C-PCB-118	100	10.0 - 145	
13C-PCB-123	102	10.0 - 145	
13C-PCB-126	99.3	10.0 - 145	
13C-PCB-155	100	10.0 - 145	
13C-PCB-156	116	10.0 - 145	
13C-PCB-157	104	10.0 - 145	
13C-PCB-167	99.9	10.0 - 145	
13C-PCB-169	106	10.0 - 145	
13C-PCB-188	103	10.0 - 145	
13C-PCB-189	111	10.0 - 145	
13C-PCB-202	105	10.0 - 145	
13C-PCB-205	103	10.0 - 145	
13C-PCB-206	97.6	10.0 - 145	
13C-PCB-208	96.3	10.0 - 145	
13C-PCB-209	95.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	106	5.00 - 145	
13C-PCB-111	91.1	10.0 - 145	
13C-PCB-178	99.2	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: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-001-OPR
Client ID: OPR
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: NA
Amount: 10.00 g

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: ng/ml

Acquired: 11-09-2020

Compound	% Recovery	QC Limits	Qual
PCB-1	95.4	60.0 - 135	
PCB-3	98.8	60.0 - 135	
PCB-4	104	60.0 - 135	
PCB-15	89.6	60.0 - 135	
PCB-19	95.2	60.0 - 135	
PCB-37	88.4	60.0 - 135	
PCB-54	98.2	60.0 - 135	
PCB-77	97.0	60.0 - 135	
PCB-81	89.6	60.0 - 135	
PCB-104	95.2	60.0 - 135	
PCB-105	88.0	60.0 - 135	
PCB-114	86.6	60.0 - 135	
PCB-118	98.4	60.0 - 135	
PCB-123	102	60.0 - 135	
PCB-126	91.4	60.0 - 135	
PCB-155	96.4	60.0 - 135	
PCB-156	89.2	60.0 - 135	
PCB-157	90.0	60.0 - 135	
PCB-167	93.0	60.0 - 135	
PCB-169	95.8	60.0 - 135	
PCB-188	97.6	60.0 - 135	
PCB-189	98.8	60.0 - 135	
PCB-202	101	60.0 - 135	
PCB-205	93.6	60.0 - 135	
PCB-206	98.8	60.0 - 135	
PCB-208	98.0	60.0 - 135	
PCB-209	98.2	60.0 - 135	

Internal Standards	% Recovery	QC Limits	Qual
13C-PCB-1	45.2	15.0 - 145	
13C-PCB-3	78.0	15.0 - 145	
13C-PCB-4	69.7	15.0 - 145	
13C-PCB-15	86.9	15.0 - 145	
13C-PCB-19	80.4	15.0 - 145	
13C-PCB-37	91.6	15.0 - 145	
13C-PCB-54	95.3	15.0 - 145	
13C-PCB-77	89.7	40.0 - 145	
13C-PCB-81	91.8	40.0 - 145	
13C-PCB-104	90.3	40.0 - 145	
13C-PCB-105	87.9	40.0 - 145	
13C-PCB-114	91.4	40.0 - 145	
13C-PCB-118	88.2	40.0 - 145	
13C-PCB-123	90.3	40.0 - 145	
13C-PCB-126	93.1	40.0 - 145	
13C-PCB-155	95.0	40.0 - 145	
13C-PCB-156	94.9	40.0 - 145	
13C-PCB-157	91.6	40.0 - 145	
13C-PCB-167	92.2	40.0 - 145	
13C-PCB-169	96.9	40.0 - 145	
13C-PCB-188	89.0	40.0 - 145	
13C-PCB-189	93.0	40.0 - 145	
13C-PCB-202	92.4	40.0 - 145	
13C-PCB-205	98.1	40.0 - 145	
13C-PCB-206	92.3	40.0 - 145	
13C-PCB-208	87.4	40.0 - 145	
13C-PCB-209	90.4	40.0 - 145	

Cleanup Surrogate	% Recovery	QC limits	Qual
13C-PCB-28	85.6	15.0 - 145	
13C-PCB-111	75.0	40.0 - 145	
13C-PCB-178	78.1	40.0 - 145	

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.00 g
% Lipids: 0.700

ICal: DAILY209FAL4-11-10-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-10-2020
Total Conc: 40700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	1.96	-	J		PCB-51	46.2	-		
PCB-2	ND	0.710			PCB-52	2400	-	C	69
PCB-3	1.32	-	J		PCB-53	185	-		
PCB-4	3.63	-			PCB-54	3.36	-		
PCB-5	ND	1.04			PCB-55	26.5	-		
PCB-6	26.1	-			PCB-56	566	-	C	60
PCB-7	5.92	-			PCB-57	11.2	-		
PCB-8	111	-			PCB-58	7.70	-		
PCB-9	6.54	-			PCB-59	-	-	C042	42
PCB-10	1.90	-	J		PCB-60	-	-	C056	56
PCB-11	16.1	-			PCB-61	1390	-	C	70
PCB-12	5.35	-			PCB-62	ND	0.838		
PCB-13	3.08	-			PCB-63	62.5	-		
PCB-14	ND	1.00			PCB-64	-	-	C041	41/71/72
PCB-15	31.5	-			PCB-65	ND	0.864		
PCB-16	131	-			PCB-66	1070	-	C	76
PCB-17	254	-			PCB-67	52.4	-		
PCB-18	260	-			PCB-68	16.9	-		
PCB-19	30.3	-			PCB-69	-	-	C052	52
PCB-20	389	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	212	-			PCB-72	-	-	C041	41/64/71
PCB-23	1.60	-	J		PCB-73	24.7	-		
PCB-24	29.4	-			PCB-74	523	-		
PCB-25	94.5	-			PCB-75	-	-	C048	48
PCB-26	195	-			PCB-76	-	-	C066	66
PCB-27	26.8	-			PCB-77	50.7	-		
PCB-28	612	-			PCB-78	ND	0.688		
PCB-29	5.92	-			PCB-79	25.0	-		
PCB-30	ND	0.814			PCB-80	ND	0.686		
PCB-31	779	-			PCB-81	35.1	-		
PCB-32	212	-			PCB-82	201	-		
PCB-33	-	-	C020	20/21	PCB-83	107	-	C	112
PCB-34	7.29	-			PCB-84	931	-	C	92
PCB-35	7.45	-			PCB-85	244	-	C	116
PCB-36	ND	0.768			PCB-86	ND	1.51		
PCB-37	117	-			PCB-87	640	-	C	117/125
PCB-38	12.2	-			PCB-88	260	-	C	91
PCB-39	1.70	-	J		PCB-89	21.5	-		
PCB-40	256	-			PCB-90	2350	-	C	101
PCB-41	954	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	484	-	C	59	PCB-92	-	-	C084	84
PCB-43	1700	-	C	49	PCB-93	ND	0.806		
PCB-44	1510	-			PCB-94	14.7	-		
PCB-45	151	-			PCB-95	2110	-		
PCB-46	64.7	-			PCB-96	15.9	-		
PCB-47	509	-			PCB-97	638	-		
PCB-48	342	-	C	75	PCB-98	ND	0.807	C	102
PCB-49	-	-	C043	43	PCB-99	915	-		
PCB-50	7.57	-			PCB-100	19.8	-		

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EPA Method 1668
PCBs

FAL ID: 13380-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.00 g
% Lipids: 0.700

ICal: DAILY209FAL4-11-10-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	588	-		
PCB-102	-	-	C098	98	PCB-152	3.00	-		
PCB-103	65.3	-			PCB-153	1760	-		
PCB-104	ND	0.553			PCB-154	69.0	-		
PCB-105	392	-			PCB-155	ND	0.695		
PCB-106	1170	-	C	118	PCB-156	103	-		
PCB-107	129	-	C	108	PCB-157	22.5	-		
PCB-108	-	-	C107	107	PCB-158	156	-	C	160
PCB-109	ND	1.11			PCB-159	14.9	-		
PCB-110	1730	-			PCB-160	-	-	C158	158
PCB-111	24.8	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.20			PCB-163	-	-	C138	138/164
PCB-114	29.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.77	-		
PCB-117	-	-	C087	87/125	PCB-167	48.9	-		
PCB-118	-	-	C	106	PCB-168	ND	0.804		
PCB-119	79.1	-			PCB-169	ND	0.877		
PCB-120	12.4	-			PCB-170	265	-		
PCB-121	ND	0.644			PCB-171	91.9	-		
PCB-122	17.6	-			PCB-172	55.5	-		
PCB-123	24.1	-			PCB-173	6.12	-		
PCB-124	61.0	-			PCB-174	389	-		
PCB-125	-	-	C087	87/117	PCB-175	16.3	-		
PCB-126	5.04	-			PCB-176	60.9	-		
PCB-127	ND	1.07			PCB-177	237	-		
PCB-128	216	-	C	162	PCB-178	103	-		
PCB-129	65.1	-			PCB-179	204	-		
PCB-130	126	-			PCB-180	638	-		
PCB-131	79.0	-	C	133	PCB-181	ND	1.06		
PCB-132	504	-	C	161	PCB-182	561	-	C	187
PCB-133	-	-	C131	131	PCB-183	238	-		
PCB-134	133	-	C	143	PCB-184	ND	0.773		
PCB-135	318	-			PCB-185	44.4	-		
PCB-136	355	-			PCB-186	ND	0.837		
PCB-137	65.3	-			PCB-187	-	-	C182	182
PCB-138	1660	-	C	163/164	PCB-188	ND	1.11		
PCB-139	1760	-	C	149	PCB-189	8.12	-		
PCB-140	24.6	-			PCB-190	56.0	-		
PCB-141	293	-			PCB-191	11.8	-		
PCB-142	ND	1.13			PCB-192	ND	0.927		
PCB-143	-	-	C134	134	PCB-193	41.7	-		
PCB-144	112	-			PCB-194	86.6	-		
PCB-145	ND	0.748			PCB-195	37.1	-		
PCB-146	347	-	C	165	PCB-196	138	-	C	203
PCB-147	42.8	-			PCB-197	7.88	-		
PCB-148	ND	0.982			PCB-198	8.49	-		
PCB-149	-	-	C139	139	PCB-199	141	-		
PCB-150	7.74	-			PCB-200	20.1	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-007-SA
Client ID: LDW-Y3-LBS-SU-ENR-A-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 10.00 g
% Lipids: 0.700

ICal: DAILY209FAL4-11-10-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-10-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	18.7	-		
PCB-202	32.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.06		
PCB-205	6.13	-		
PCB-206	25.3	-		
PCB-207	3.20	-		
PCB-208	8.40	-		
PCB-209	8.45	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	56.0	5.00 - 145	
13C-PCB-3	68.7	5.00 - 145	
13C-PCB-4	76.6	5.00 - 145	
13C-PCB-15	96.9	5.00 - 145	
13C-PCB-19	77.5	5.00 - 145	
13C-PCB-37	93.5	5.00 - 145	
13C-PCB-54	78.0	5.00 - 145	
13C-PCB-77	105	10.0 - 145	
13C-PCB-81	99.9	10.0 - 145	
13C-PCB-104	79.7	10.0 - 145	
13C-PCB-105	97.1	10.0 - 145	
13C-PCB-114	97.4	10.0 - 145	
13C-PCB-118	99.5	10.0 - 145	
13C-PCB-123	101	10.0 - 145	
13C-PCB-126	106	10.0 - 145	
13C-PCB-155	79.9	10.0 - 145	
13C-PCB-156	87.9	10.0 - 145	
13C-PCB-157	91.5	10.0 - 145	
13C-PCB-167	89.8	10.0 - 145	
13C-PCB-169	91.2	10.0 - 145	
13C-PCB-188	71.1	10.0 - 145	
13C-PCB-189	79.1	10.0 - 145	
13C-PCB-202	59.5	10.0 - 145	
13C-PCB-205	86.2	10.0 - 145	
13C-PCB-206	79.3	10.0 - 145	
13C-PCB-208	78.7	10.0 - 145	
13C-PCB-209	70.7	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	108	5.00 - 145	
13C-PCB-111	94.1	10.0 - 145	
13C-PCB-178	85.1	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: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FAL ID: 13380-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 7.29 g
% Lipids: 0.590

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020
Total Conc: 61300

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	2.17	-	J		PCB-51	111	-		
PCB-2	ND	0.915			PCB-52	4080	-	C	69
PCB-3	1.19	-	J		PCB-53	402	-		
PCB-4	29.5	-			PCB-54	4.24	-		
PCB-5	ND	0.798			PCB-55	41.9	-		
PCB-6	94.3	-			PCB-56	1020	-	C	60
PCB-7	14.5	-			PCB-57	23.1	-		
PCB-8	269	-			PCB-58	12.1	-		
PCB-9	17.7	-			PCB-59	-	-	C042	42
PCB-10	4.54	-			PCB-60	-	-	C056	56
PCB-11	17.1	-			PCB-61	2680	-	C	70
PCB-12	16.0	-			PCB-62	ND	0.693		
PCB-13	13.8	-			PCB-63	121	-		
PCB-14	ND	0.844			PCB-64	-	-	C041	41/71/72
PCB-15	49.8	-			PCB-65	ND	0.764		
PCB-16	367	-			PCB-66	2050	-	C	76
PCB-17	763	-			PCB-67	92.2	-		
PCB-18	1190	-			PCB-68	31.7	-		
PCB-19	96.6	-			PCB-69	-	-	C052	52
PCB-20	895	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	462	-			PCB-72	-	-	C041	41/64/71
PCB-23	3.37	-			PCB-73	38.8	-		
PCB-24	79.7	-			PCB-74	1150	-		
PCB-25	239	-			PCB-75	-	-	C048	48
PCB-26	446	-			PCB-76	-	-	C066	66
PCB-27	62.1	-			PCB-77	112	-		
PCB-28	1500	-			PCB-78	11.0	-		
PCB-29	11.5	-			PCB-79	32.1	-		
PCB-30	2.36	-	J		PCB-80	ND	0.595		
PCB-31	1550	-			PCB-81	44.8	-		
PCB-32	583	-			PCB-82	312	-		
PCB-33	-	-	C020	20/21	PCB-83	167	-	C	112
PCB-34	27.9	-			PCB-84	1350	-	C	92
PCB-35	16.0	-			PCB-85	374	-	C	116
PCB-36	ND	0.602			PCB-86	15.0	-		
PCB-37	240	-			PCB-87	934	-	C	117/125
PCB-38	24.8	-			PCB-88	419	-	C	91
PCB-39	ND	0.603			PCB-89	38.0	-		
PCB-40	460	-			PCB-90	3210	-	C	101
PCB-41	2100	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	973	-	C	59	PCB-92	-	-	C084	84
PCB-43	3010	-	C	49	PCB-93	ND	0.879		
PCB-44	2800	-			PCB-94	22.4	-		
PCB-45	374	-			PCB-95	2900	-		
PCB-46	138	-			PCB-96	27.8	-		
PCB-47	965	-			PCB-97	953	-		
PCB-48	627	-	C	75	PCB-98	ND	0.877	C	102
PCB-49	-	-	C043	43	PCB-99	1180	-		
PCB-50	9.02	-			PCB-100	18.7	-		

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EPA Method 1668
PCBs

FAL ID: 13380-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 7.29 g
% Lipids: 0.590

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	497	-		
PCB-102	-	-	C098	98	PCB-152	3.01	-		
PCB-103	59.4	-			PCB-153	1610	-		
PCB-104	ND	0.617			PCB-154	37.3	-		
PCB-105	571	-			PCB-155	ND	0.930		
PCB-106	1780	-	C	118	PCB-156	122	-		
PCB-107	163	-	C	108	PCB-157	27.0	-		
PCB-108	-	-	C107	107	PCB-158	181	-	C	160
PCB-109	ND	0.943			PCB-159	11.2	-		
PCB-110	2680	-			PCB-160	-	-	C158	158
PCB-111	40.2	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.10			PCB-163	-	-	C138	138/164
PCB-114	43.2	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	6.78	-		
PCB-117	-	-	C087	87/125	PCB-167	53.1	-		
PCB-118	-	-	C	106	PCB-168	ND	0.669		
PCB-119	89.0	-			PCB-169	ND	0.661		
PCB-120	10.6	-			PCB-170	219	-		
PCB-121	ND	0.634			PCB-171	77.0	-		
PCB-122	23.1	-			PCB-172	44.3	-		
PCB-123	30.9	-			PCB-173	6.77	-		
PCB-124	85.1	-			PCB-174	320	-		
PCB-125	-	-	C087	87/117	PCB-175	12.8	-		
PCB-126	8.18	-			PCB-176	48.7	-		
PCB-127	ND	0.777			PCB-177	177	-		
PCB-128	251	-	C	162	PCB-178	78.0	-		
PCB-129	82.9	-			PCB-179	158	-		
PCB-130	129	-			PCB-180	530	-		
PCB-131	68.0	-	C	133	PCB-181	ND	0.673		
PCB-132	521	-	C	161	PCB-182	386	-	C	187
PCB-133	-	-	C131	131	PCB-183	174	-		
PCB-134	142	-	C	143	PCB-184	ND	0.510		
PCB-135	309	-			PCB-185	34.7	-		
PCB-136	328	-			PCB-186	ND	0.556		
PCB-137	72.1	-			PCB-187	-	-	C182	182
PCB-138	1720	-	C	163/164	PCB-188	ND	0.631		
PCB-139	1600	-	C	149	PCB-189	7.90	-		
PCB-140	16.4	-			PCB-190	47.0	-		
PCB-141	315	-			PCB-191	10.5	-		
PCB-142	ND	0.947			PCB-192	ND	0.592		
PCB-143	-	-	C134	134	PCB-193	30.0	-		
PCB-144	97.4	-			PCB-194	59.9	-		
PCB-145	ND	0.967			PCB-195	27.5	-		
PCB-146	272	-	C	165	PCB-196	77.5	-	C	203
PCB-147	38.1	-			PCB-197	4.36	-		
PCB-148	ND	1.25			PCB-198	4.30	-		
PCB-149	-	-	C139	139	PCB-199	79.4	-		
PCB-150	5.69	-			PCB-200	11.1	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-014-SA
Client ID: LDW-Y3-LBS-SU-ENR-B-WORM
Matrix: Tissue
Batch No: X5498

Date Extracted: 10-26-2020
Date Received: 10-06-2020
Amount: 7.29 g
% Lipids: 0.590

ICal: DAILY209FAL4-11-7-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-07-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	12.2	-		
PCB-202	21.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.878		
PCB-205	4.44	-		
PCB-206	15.5	-		
PCB-207	2.20	-	J	
PCB-208	4.73	-		
PCB-209	4.61	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	60.7	5.00 - 145	
13C-PCB-3	77.4	5.00 - 145	
13C-PCB-4	72.2	5.00 - 145	
13C-PCB-15	95.7	5.00 - 145	
13C-PCB-19	77.1	5.00 - 145	
13C-PCB-37	91.9	5.00 - 145	
13C-PCB-54	82.1	5.00 - 145	
13C-PCB-77	99.7	10.0 - 145	
13C-PCB-81	98.7	10.0 - 145	
13C-PCB-104	87.2	10.0 - 145	
13C-PCB-105	91.3	10.0 - 145	
13C-PCB-114	95.5	10.0 - 145	
13C-PCB-118	88.6	10.0 - 145	
13C-PCB-123	95.2	10.0 - 145	
13C-PCB-126	96.6	10.0 - 145	
13C-PCB-155	83.5	10.0 - 145	
13C-PCB-156	93.7	10.0 - 145	
13C-PCB-157	90.3	10.0 - 145	
13C-PCB-167	92.8	10.0 - 145	
13C-PCB-169	93.4	10.0 - 145	
13C-PCB-188	79.6	10.0 - 145	
13C-PCB-189	81.9	10.0 - 145	
13C-PCB-202	76.1	10.0 - 145	
13C-PCB-205	89.6	10.0 - 145	
13C-PCB-206	78.2	10.0 - 145	
13C-PCB-208	88.2	10.0 - 145	
13C-PCB-209	73.8	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	89.5	5.00 - 145	
13C-PCB-111	88.5	10.0 - 145	
13C-PCB-178	84.9	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FAL ID: 13380-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 4.48 g
% Lipids: 0.893

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020
Total Conc: 31700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	1.06			PCB-51	51.9	-		
PCB-2	ND	1.03			PCB-52	1800	-	C	69
PCB-3	ND	1.02			PCB-53	161	-		
PCB-4	3.85	-	J		PCB-54	3.70	-	J	
PCB-5	ND	1.13			PCB-55	16.7	-		
PCB-6	18.9	-			PCB-56	546	-	C	60
PCB-7	4.83	-			PCB-57	8.91	-		
PCB-8	91.4	-			PCB-58	4.41	-	J	
PCB-9	8.18	-			PCB-59	-	-	C042	42
PCB-10	2.16	-	J		PCB-60	-	-	C056	56
PCB-11	18.7	-			PCB-61	1150	-	C	70
PCB-12	2.98	-	J		PCB-62	ND	1.17		
PCB-13	6.22	-			PCB-63	49.0	-		
PCB-14	ND	1.13			PCB-64	-	-	C041	41/71/72
PCB-15	32.2	-			PCB-65	ND	1.10		
PCB-16	143	-			PCB-66	826	-	C	76
PCB-17	214	-			PCB-67	33.1	-		
PCB-18	212	-			PCB-68	10.8	-		
PCB-19	28.3	-			PCB-69	-	-	C052	52
PCB-20	363	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	214	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.840			PCB-73	22.8	-		
PCB-24	26.3	-			PCB-74	508	-		
PCB-25	84.7	-			PCB-75	-	-	C048	48
PCB-26	160	-			PCB-76	-	-	C066	66
PCB-27	27.6	-			PCB-77	58.6	-		
PCB-28	546	-			PCB-78	ND	1.07		
PCB-29	4.81	-			PCB-79	15.3	-		
PCB-30	ND	1.13			PCB-80	ND	0.859		
PCB-31	616	-			PCB-81	24.9	-		
PCB-32	162	-			PCB-82	190	-		
PCB-33	-	-	C020	20/21	PCB-83	91.0	-	C	112
PCB-34	6.18	-			PCB-84	710	-	C	92
PCB-35	6.73	-			PCB-85	233	-	C	116
PCB-36	ND	0.887			PCB-86	ND	1.84		
PCB-37	107	-			PCB-87	591	-	C	117/125
PCB-38	9.64	-			PCB-88	220	-	C	91
PCB-39	ND	0.876			PCB-89	18.8	-		
PCB-40	221	-			PCB-90	1760	-	C	101
PCB-41	810	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	388	-	C	59	PCB-92	-	-	C084	84
PCB-43	1290	-	C	49	PCB-93	ND	1.29		
PCB-44	1320	-			PCB-94	13.5	-		
PCB-45	131	-			PCB-95	1640	-		
PCB-46	59.6	-			PCB-96	14.2	-		
PCB-47	401	-			PCB-97	550	-		
PCB-48	274	-	C	75	PCB-98	ND	1.38	C	102
PCB-49	-	-	C043	43	PCB-99	662	-		
PCB-50	6.14	-			PCB-100	13.0	-		

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EPA Method 1668
PCBs

FAL ID: 13380-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 4.48 g
% Lipids: 0.893

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	353	-		
PCB-102	-	-	C098	98	PCB-152	2.58	-	J	
PCB-103	35.7	-			PCB-153	1180	-		
PCB-104	ND	0.951			PCB-154	38.9	-		
PCB-105	382	-			PCB-155	ND	1.35		
PCB-106	1130	-	C	118	PCB-156	92.1	-		
PCB-107	87.0	-	C	108	PCB-157	20.9	-		
PCB-108	-	-	C107	107	PCB-158	121	-	C	160
PCB-109	ND	1.31			PCB-159	7.98	-		
PCB-110	1450	-			PCB-160	-	-	C158	158
PCB-111	28.5	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.43			PCB-163	-	-	C138	138/164
PCB-114	27.9	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	4.64	-		
PCB-117	-	-	C087	87/125	PCB-167	42.2	-		
PCB-118	-	-	C	106	PCB-168	ND	1.15		
PCB-119	47.1	-			PCB-169	ND	1.14		
PCB-120	5.54	-			PCB-170	189	-		
PCB-121	ND	1.01			PCB-171	69.2	-		
PCB-122	15.7	-			PCB-172	38.7	-		
PCB-123	22.1	-			PCB-173	6.91	-		
PCB-124	57.5	-			PCB-174	258	-		
PCB-125	-	-	C087	87/117	PCB-175	14.7	-		
PCB-126	4.75	-			PCB-176	42.2	-		
PCB-127	ND	1.23			PCB-177	150	-		
PCB-128	170	-	C	162	PCB-178	62.7	-		
PCB-129	58.3	-			PCB-179	132	-		
PCB-130	100	-			PCB-180	484	-		
PCB-131	50.6	-	C	133	PCB-181	ND	1.50		
PCB-132	312	-	C	161	PCB-182	340	-	C	187
PCB-133	-	-	C131	131	PCB-183	154	-		
PCB-134	99.9	-	C	143	PCB-184	ND	1.03		
PCB-135	195	-			PCB-185	31.2	-		
PCB-136	269	-			PCB-186	ND	1.11		
PCB-137	46.5	-			PCB-187	-	-	C182	182
PCB-138	1200	-	C	163/164	PCB-188	ND	1.33		
PCB-139	1030	-	C	149	PCB-189	8.29	-		
PCB-140	12.9	-			PCB-190	46.7	-		
PCB-141	237	-			PCB-191	11.3	-		
PCB-142	ND	1.67			PCB-192	ND	1.34		
PCB-143	-	-	C134	134	PCB-193	25.5	-		
PCB-144	78.7	-			PCB-194	57.1	-		
PCB-145	ND	1.41			PCB-195	24.0	-		
PCB-146	203	-	C	165	PCB-196	85.8	-	C	203
PCB-147	25.9	-			PCB-197	9.75	-	M	
PCB-148	ND	1.84			PCB-198	6.39	-		
PCB-149	-	-	C139	139	PCB-199	85.6	-		
PCB-150	5.03	-			PCB-200	12.1	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-021-SA
Client ID: LDW-Y3-LBS-SU-ENR-C-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 4.48 g
% Lipids: 0.893

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	13.6	-		
PCB-202	24.8	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.36		
PCB-205	4.29	-	J	
PCB-206	19.5	-		
PCB-207	3.21	-	J	
PCB-208	6.53	-		
PCB-209	6.53	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	67.4	5.00 - 145	
13C-PCB-3	81.2	5.00 - 145	
13C-PCB-4	85.1	5.00 - 145	
13C-PCB-15	94.0	5.00 - 145	
13C-PCB-19	82.1	5.00 - 145	
13C-PCB-37	99.4	5.00 - 145	
13C-PCB-54	81.5	5.00 - 145	
13C-PCB-77	110	10.0 - 145	
13C-PCB-81	110	10.0 - 145	
13C-PCB-104	66.9	10.0 - 145	
13C-PCB-105	96.4	10.0 - 145	
13C-PCB-114	97.5	10.0 - 145	
13C-PCB-118	92.6	10.0 - 145	
13C-PCB-123	101	10.0 - 145	
13C-PCB-126	105	10.0 - 145	
13C-PCB-155	75.4	10.0 - 145	
13C-PCB-156	97.1	10.0 - 145	
13C-PCB-157	90.4	10.0 - 145	
13C-PCB-167	92.4	10.0 - 145	
13C-PCB-169	100	10.0 - 145	
13C-PCB-188	79.6	10.0 - 145	
13C-PCB-189	86.9	10.0 - 145	
13C-PCB-202	75.5	10.0 - 145	
13C-PCB-205	94.8	10.0 - 145	
13C-PCB-206	76.0	10.0 - 145	
13C-PCB-208	73.6	10.0 - 145	
13C-PCB-209	72.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	90.9	5.00 - 145	
13C-PCB-111	90.5	10.0 - 145	
13C-PCB-178	69.0	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: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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EPA Method 1668
PCBs

FAL ID: 13380-028-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.40 g
% Lipids: 0.452

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020
Total Conc: 29900

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	2.38	-			PCB-51	48.0	-		
PCB-2	ND	0.870			PCB-52	1830	-	C	69
PCB-3	1.38	-	J		PCB-53	200	-		
PCB-4	2.81	-			PCB-54	2.18	-	J	
PCB-5	ND	0.975			PCB-55	18.2	-		
PCB-6	21.5	-			PCB-56	347	-	C	60
PCB-7	4.43	-			PCB-57	7.55	-		
PCB-8	70.7	-			PCB-58	6.16	-		
PCB-9	6.61	-			PCB-59	-	-	C042	42
PCB-10	2.32	-	J		PCB-60	-	-	C056	56
PCB-11	11.1	-			PCB-61	937	-	C	70
PCB-12	3.55	-			PCB-62	ND	0.994		
PCB-13	3.13	-			PCB-63	39.0	-		
PCB-14	ND	0.973			PCB-64	-	-	C041	41/71/72
PCB-15	11.9	-			PCB-65	ND	0.939		
PCB-16	105	-			PCB-66	705	-	C	76
PCB-17	191	-			PCB-67	29.8	-		
PCB-18	243	-			PCB-68	17.0	-		
PCB-19	20.7	-			PCB-69	-	-	C052	52
PCB-20	207	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	108	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.805			PCB-73	30.1	-		
PCB-24	28.7	-			PCB-74	381	-		
PCB-25	74.5	-			PCB-75	-	-	C048	48
PCB-26	152	-			PCB-76	-	-	C066	66
PCB-27	27.3	-			PCB-77	37.0	-		
PCB-28	312	-			PCB-78	ND	0.623		
PCB-29	3.26	-			PCB-79	19.0	-		
PCB-30	ND	1.30			PCB-80	ND	0.732		
PCB-31	464	-			PCB-81	19.2	-		
PCB-32	152	-			PCB-82	137	-		
PCB-33	-	-	C020	20/21	PCB-83	80.3	-	C	112
PCB-34	6.15	-			PCB-84	691	-	C	92
PCB-35	4.80	-			PCB-85	183	-	C	116
PCB-36	ND	0.850			PCB-86	ND	1.14		
PCB-37	49.6	-			PCB-87	438	-	C	117/125
PCB-38	9.01	-			PCB-88	229	-	C	91
PCB-39	1.63	-	J		PCB-89	15.3	-		
PCB-40	156	-			PCB-90	1740	-	C	101
PCB-41	786	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	317	-	C	59	PCB-92	-	-	C084	84
PCB-43	1290	-	C	49	PCB-93	ND	0.808		
PCB-44	1160	-			PCB-94	14.4	-		
PCB-45	103	-			PCB-95	1660	-		
PCB-46	49.6	-			PCB-96	13.1	-		
PCB-47	351	-			PCB-97	466	-		
PCB-48	226	-	C	75	PCB-98	ND	0.868	C	102
PCB-49	-	-	C043	43	PCB-99	673	-		
PCB-50	5.31	-			PCB-100	16.5	-		

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EPA Method 1668
PCBs

FAL ID: 13380-028-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.40 g
% Lipids: 0.452

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	425	-		
PCB-102	-	-	C098	98	PCB-152	1.87	-	J	
PCB-103	55.2	-			PCB-153	1300	-		
PCB-104	ND	0.597			PCB-154	54.0	-		
PCB-105	304	-			PCB-155	ND	0.662		
PCB-106	980	-	C	118	PCB-156	77.5	-		
PCB-107	95.7	-	C	108	PCB-157	16.9	-		
PCB-108	-	-	C107	107	PCB-158	119	-	C	160
PCB-109	ND	0.811			PCB-159	9.13	-		
PCB-110	1240	-			PCB-160	-	-	C158	158
PCB-111	13.9	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.883			PCB-163	-	-	C138	138/164
PCB-114	21.5	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	3.25	-		
PCB-117	-	-	C087	87/125	PCB-167	36.7	-		
PCB-118	-	-	C	106	PCB-168	ND	0.865		
PCB-119	64.8	-			PCB-169	ND	0.921		
PCB-120	9.76	-			PCB-170	203	-		
PCB-121	ND	0.637			PCB-171	73.9	-		
PCB-122	12.0	-			PCB-172	44.0	-		
PCB-123	16.8	-			PCB-173	7.48	-		
PCB-124	46.3	-			PCB-174	289	-		
PCB-125	-	-	C087	87/117	PCB-175	12.4	-		
PCB-126	4.72	-			PCB-176	46.4	-		
PCB-127	ND	1.05			PCB-177	180	-		
PCB-128	157	-	C	162	PCB-178	76.2	-		
PCB-129	47.5	-			PCB-179	160	-		
PCB-130	94.6	-			PCB-180	540	-		
PCB-131	56.2	-	C	133	PCB-181	ND	0.934		
PCB-132	404	-	C	161	PCB-182	368	-	C	187
PCB-133	-	-	C131	131	PCB-183	157	-		
PCB-134	102	-	C	143	PCB-184	ND	0.641		
PCB-135	231	-			PCB-185	30.3	-		
PCB-136	329	-			PCB-186	ND	0.690		
PCB-137	46.2	-			PCB-187	-	-	C182	182
PCB-138	1200	-	C	163/164	PCB-188	2.18	-	J	
PCB-139	1310	-	C	149	PCB-189	6.92	-		
PCB-140	18.5	-			PCB-190	43.1	-		
PCB-141	234	-			PCB-191	10.6	-		
PCB-142	ND	1.25			PCB-192	ND	0.831		
PCB-143	-	-	C134	134	PCB-193	31.6	-		
PCB-144	83.5	-			PCB-194	54.9	-		
PCB-145	ND	0.693			PCB-195	25.9	-		
PCB-146	252	-	C	165	PCB-196	83.8	-	C	203
PCB-147	28.6	-			PCB-197	3.85	-		
PCB-148	ND	0.902			PCB-198	4.94	-		
PCB-149	-	-	C139	139	PCB-199	82.1	-		
PCB-150	8.91	-			PCB-200	12.3	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13380-028-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.40 g
% Lipids: 0.452

ICal: DAILY209FAL4-11-9-20
GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	15.0	-		
PCB-202	23.9	-		
PCB-203	-	-	C196	196
PCB-204	ND	0.856		
PCB-205	4.15	-		
PCB-206	17.2	-		
PCB-207	3.27	-		
PCB-208	6.46	-		
PCB-209	5.66	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	36.5	5.00 - 145	
13C-PCB-3	45.1	5.00 - 145	
13C-PCB-4	50.6	5.00 - 145	
13C-PCB-15	80.8	5.00 - 145	
13C-PCB-19	55.4	5.00 - 145	
13C-PCB-37	93.5	5.00 - 145	
13C-PCB-54	74.7	5.00 - 145	
13C-PCB-77	89.0	10.0 - 145	
13C-PCB-81	105	10.0 - 145	
13C-PCB-104	73.5	10.0 - 145	
13C-PCB-105	97.4	10.0 - 145	
13C-PCB-114	99.2	10.0 - 145	
13C-PCB-118	96.9	10.0 - 145	
13C-PCB-123	102	10.0 - 145	
13C-PCB-126	99.5	10.0 - 145	
13C-PCB-155	72.4	10.0 - 145	
13C-PCB-156	94.3	10.0 - 145	
13C-PCB-157	89.8	10.0 - 145	
13C-PCB-167	90.3	10.0 - 145	
13C-PCB-169	94.3	10.0 - 145	
13C-PCB-188	77.4	10.0 - 145	
13C-PCB-189	85.8	10.0 - 145	
13C-PCB-202	75.8	10.0 - 145	
13C-PCB-205	96.9	10.0 - 145	
13C-PCB-206	84.0	10.0 - 145	
13C-PCB-208	83.6	10.0 - 145	
13C-PCB-209	73.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	92.7	5.00 - 145	
13C-PCB-111	79.5	10.0 - 145	
13C-PCB-178	74.0	10.0 - 145	

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

Analyst: [signature]

Date: 11/13/2020

Reviewed By: DPV

Date: 11/13/2020

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Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

FAL USE ONLY
Laboratory Project No.: 13380
Temperature: 2 °C

Chain of Custody

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CLIENT INFORMATION
Company Name: Floyd Snider
Contact Name: Gretchen Heavner
Address: 601 Union Street, Suite 600, Seattle WA 98101
Phone: 206-292-2078 Fax: 206-682-7867
Email: gretchen.heavner@floydsnider.com

INVOICE INFORMATION (if different from client info)
Company Name: Wood.
Contact Name: Diane Shannon and Cliff Whitmus
Address: 3500 188TH St. SW, Suite 601, Lynnwood WA 98037
Phone: 425-921-4008 Fax:
Email: diane.shannon@woodplc.com & crystal.thimsen@woodplc.com

PROJECT INFORMATION
FAL Quote #: 3102A
P.O. #: C013106435
Project #: LY15160310
Project Name: LDW ENR/AC Pilot Study
TAT (business days): ☑ 15 ☐ 10 ☐ 5* ☐ 3* (√ one)
* FAL must agree with price and RUSH TAT in writing.

REPORT INFORMATION
Report Level: ☐ I/II ☐ III ☑ IV
☑ EDD: ☐ FAL Basic ☐ Geotracker ☑ Other: FSI ☐ Custom: Contact FAL
☐ California State Drinking Water Form
System #: Source #:
Sampler: Employer:

REPORT DISTRIBUTION (email only is preferred)
☐ Hardcopy
☐ CD (.pdf including EDDs if requested)
☑ Email (.pdf including EDDs if requested)

ADDITIONAL INSTRUCTIONS
EDD format should be as developed with Floyd|Snider and Saylor Data Solutions

****CONGENERS**: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8)
****TEQ**: ☐ 1998 WHO ☐ 2005 WHO ☐ Other

		Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
1	1	LDW-Y3-LBS-SU-ENR-1A-WORM	9/24/20	1455	TISSUE	1								✓			Homogenize and composite, see attached table
8	2	LDW-Y3-LBS-SU-ENR-1B-WORM	9/24/20	1400	TISSUE	1								✓			Homogenize and composite, see attached table
15 14	3	LDW-Y3-LBS-SU-ENR-1C-WORM	9/24/20	912	TISSUE	1								✓			Homogenize and composite, see attached table
2	4	LDW-Y3-LBS-SU-ENR-2A-WORM	9/24/20	932	TISSUE	1								✓			Homogenize and composite, see attached table
9	5	LDW-Y3-LBS-SU-ENR-2B-WORM	9/24/20	1425	TISSUE	1								✓			Homogenize and composite, see attached table
16	6	LDW-Y3-LBS-SU-ENR-2C-WORM	9/24/20	958	TISSUE	1								✓			Homogenize and composite, see attached table
3	7	LDW-Y3-LBS-SU-ENR-3A-WORM	9/24/20	1345	TISSUE	1								✓			Homogenize and composite, see attached table
10	8	LDW-Y3-LBS-SU-ENR-3B-WORM	9/24/20	1508	TISSUE	1								✓			Homogenize and composite, see attached table
17	9	LDW-Y3-LBS-SU-ENR-3C-WORM	9/24/20	924	TISSUE	1								✓			Homogenize and composite, see attached table
4	10	LDW-Y3-LBS-SU-ENR-4A-WORM	9/24/20	1014	TISSUE	1								✓			Homogenize and composite, see attached table
11	11	LDW-Y3-LBS-SU-ENR-4B-WORM	9/24/20	1110	TISSUE	1								✓			Homogenize and composite, see attached table
18	12	LDW-Y3-LBS-SU-ENR-4C-WORM	9/24/20	1321	TISSUE	1								✓			Homogenize and composite, see attached table
5	13	LDW-Y3-LBS-SU-ENR-5A-WORM	9/24/20	1431	TISSUE	1								✓			Homogenize and composite, see attached table
12	14	LDW-Y3-LBS-SU-ENR-5B-WORM	9/24/20	1339	TISSUE	1								✓			Homogenize and composite, see attached table
19	15	LDW-Y3-LBS-SU-ENR-5C-WORM	9/24/20	1519	TISSUE	1								✓			Homogenize and composite, see attached table

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. Kelly Michelle Knudsen	10/5/20	1230	K Christensen	10-6-20	10:05am

Client understands that all terms described in the proposals, quotations, and/or the general terms provided in the current FAL price schedules will be followed.
FAL reserves the rights to terminate its service or withhold delivery of reports, if in FAL's sole discretion the terms of the project have been broken.

White Copy – Report Yellow Copy – Laboratory Pink Copy - Originator

Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

FAL USE ONLY
Laboratory Project No.: 13380
Temperature: 2 °C

Chain of Custody

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Email: diane.shannon@woodplc.com & crystal.thimsen@woodplc.com

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P.O. #: C013106435
Project #: LY15160310
Project Name: LDW ENR/AC Pilot Study
TAT (business days): ✓ 15 ☐ 10 ☐ 5* ☐ 3* (√ one)
* FAL must agree with price and RUSH TAT in writing.

REPORT INFORMATION
Report Level: ☐ I/II ☐ III ✓ IV
✓ EDD: ☐ FAL Basic ☐ Geotracker ✓ Other: FSI ☐ Custom: Contact FAL
☐ California State Drinking Water Form
System #: Source #:
Sampler: Employer:

REPORT DISTRIBUTION (email only is preferred)
☐ Hardcopy
☐ CD (.pdf including EDDs if requested)
✓ Email (.pdf including EDDs if requested)

ADDITIONAL INSTRUCTIONS
EDD format should be as developed with Floyd|Snider and Saylor Data Solutions

****CONGENERS**: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8)
****TEQ**: ☐ 1998 WHO ☐ 2005 WHO ☐ Other

		Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
6	1	LDW-Y3-LBS-SU-ENR-6A-WORM	9/24/20	1349	TISSUE	1								✓			Homogenize and composite, see attached table
13	2	LDW-Y3-LBS-SU-ENR-6B-WORM	9/24/20	1526	TISSUE	1								✓			Homogenize and composite, see attached table
20	3	LDW-Y3-LBS-SU-ENR-6C-WORM	9/24/20	1354	TISSUE	1								✓			Homogenize and composite, see attached table
22	4	LDW-Y3-LBS-SU-ENR+AC-1A-WORM	9/24/20	1027	TISSUE	1								✓			Homogenize and composite, see attached table
	~~5~~	~~LDW-Y3-LBS-SU-ENR+AC-1B-WORM~~	~~9/24/20~~	~~902~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	~~6~~	~~LDW-Y3-LBS-SU-ENR+AC-1C-WORM~~	~~9/24/20~~	~~1513~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
23	7	LDW-Y3-LBS-SU-ENR+AC-2A-WORM	9/24/20	1412	TISSUE	1								✓			Homogenize and composite, see attached table
	~~8~~	~~LDW-Y3-LBS-SU-ENR+AC-2B-WORM~~	~~9/24/20~~	~~1232~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	~~9~~	~~LDW-Y3-LBS-SU-ENR+AC-2C-WORM~~	~~9/24/20~~	~~1208~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
24	10	LDW-Y3-LBS-SU-ENR+AC-3A-WORM	9/24/20	1155	TISSUE	1								✓			Homogenize and composite, see attached table
	~~11~~	~~LDW-Y3-LBS-SU-ENR+AC-3B-WORM~~	~~9/24/20~~	~~1334~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	~~12~~	~~LDW-Y3-LBS-SU-ENR+AC-3C-WORM~~	~~9/24/20~~	~~1313~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
25	13	LDW-Y3-LBS-SU-ENR+AC-4A-WORM	9/24/20	1327	TISSUE	1								✓			Homogenize and composite, see attached table
	~~14~~	~~LDW-Y3-LBS-SU-ENR+AC-4B-WORM~~	~~9/24/20~~	~~1004~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	~~15~~	~~LDW-Y3-LBS-SU-ENR+AC-4C-WORM~~	~~9/24/20~~	~~1212~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. [signature] Michelle Knowlen	10/5/20	1230	K Christensen	10-6-20	10:05AM

Client understands that all terms described in the proposals, quotations, and/or the general terms provided in the current FAL price schedules will be followed.
FAL reserves the rights to terminate its service or withhold delivery of reports, if in FAL's sole discretion the terms of the project have been broken.

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Frontier Analytical Laboratory
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

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Laboratory Project No.: 13380
Temperature: 2 °C

Chain of Custody

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Please Print in Pen Page 3 of 6

CLIENT INFORMATION	INVOICE INFORMATION (if different from client info)	PROJECT INFORMATION
Company Name: Floyd Snider	Company Name: Wood.	FAL Quote #: 3102A
Contact Name: Gretchen Heavner	Contact Name: Diane Shannon and Cliff Whitmus	P.O. #: C013106435
Address: 601 Union Street, Suite 600, Seattle WA 98101	Address: 3500 188TH St. SW, Suite 601, Lynnwood WA 98037	Project #: LY15160310
Phone: 206-292-2078 Fax: 206-682-7867	Phone: 425-921-4008 Fax:	Project Name: LDW ENR/AC Pilot Study
Email: gretchen.heavner@floydsnider.com	Email: diane.shannon@woodplc.com & crystal.thimsen@woodplc.com	TAT (business days): ✓ 15 ☐ 10 ☐ 5* ☐ 3* (√ one)
		* FAL must agree with price and RUSH TAT in writing.

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****CONGENERS**: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8)
****TEQ**: ☐ 1998 WHO ☐ 2005 WHO ☐ Other

		Sample ID	Date Collected	Time Collected	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks
26	1	LDW-Y3-LBS-SU-ENR+AC-5A-WORM	9/24/20	1116	TISSUE	1								✓			Homogenize and composite, see attached table
	~~2~~	~~LDW-Y3-LBS-SU-ENR+AC-5B-WORM~~	~~9/24/20~~	~~1140~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	~~3~~	~~LDW-Y3-LBS-SU-ENR+AC-5C-WORM~~	~~9/24/20~~	~~936~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
27	4	LDW-Y3-LBS-SU-ENR+AC-6A-WORM	9/24/20	1445	TISSUE	1								✓			Homogenize and composite, see attached table
	5	LDW-Y3-LBS-SU-ENR+AC-6B-WORM	9/24/20	1135	TISSUE	1								✓			Homogenize and composite, see attached table
	6	LDW-Y3-LBS-SU-ENR+AC-6C-WORM	9/24/20	1019	TISSUE	1								✓			Homogenize and composite, see attached table
	7	LDW-Y3-LBS-SU-ENR-1A-CLAM	9/24/20	1455	TISSUE	1								✓			Homogenize and composite, see attached table
	8	LDW-Y3-LBS-SU-ENR-1B-CLAM	9/24/20	1400	TISSUE	1								✓			Homogenize and composite, see attached table
	9	LDW-Y3-LBS-SU-ENR-1C-CLAM	9/24/20	912	TISSUE	1								✓			Homogenize and composite, see attached table
	10	LDW-Y3-LBS-SU-ENR-2A-CLAM	9/24/20	932	TISSUE	1								✓			Homogenize and composite, see attached table
	11	LDW-Y3-LBS-SU-ENR-2B-CLAM	9/24/20	1425	TISSUE	1								✓			Homogenize and composite, see attached table
	12	LDW-Y3-LBS-SU-ENR-2C-CLAM	9/24/20	958	TISSUE	1								✓			Homogenize and composite, see attached table
	13	LDW-Y3-LBS-SU-ENR-3A-CLAM	9/24/20	1345	TISSUE	1								✓			Homogenize and composite, see attached table
	14	LDW-Y3-LBS-SU-ENR-3B-CLAM	9/24/20	1508	TISSUE	1								✓			Homogenize and composite, see attached table
	15	LDW-Y3-LBS-SU-ENR-3C-CLAM	9/24/20	924	TISSUE	1								✓			Homogenize and composite, see attached table

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. Kowler Michelle Kowler	10/5/20	1230	K Christensen	10.6.20	10:05AM

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** NOTE: For each composite, please homogenize each jar and take equal subsamples from each to form the composite.

Composite Sample ID	Bioaccum Tissue Samples	Date	Time	
LDW-Y3-LBS-SU-ENR-A-CLAM 7	LDW-Y3-LBS-SU-ENR-1A-CLAM	9/24/2020	1455	1
	LDW-Y3-LBS-SU-ENR-2A-CLAM	9/24/2020	932	2
	LDW-Y3-LBS-SU-ENR-3A-CLAM	9/24/2020	1345	3
	LDW-Y3-LBS-SU-ENR-4A-CLAM	9/24/2020	1014	4
	LDW-Y3-LBS-SU-ENR-5A-CLAM	9/24/2020	1431	5
	LDW-Y3-LBS-SU-ENR-6A-CLAM	9/24/2020	1349	6
LDW-Y3-LBS-SU-ENR-B-CLAM 14	LDW-Y3-LBS-SU-ENR-1B-CLAM	9/24/2020	1400	8
	LDW-Y3-LBS-SU-ENR-2B-CLAM	9/24/2020	1425	9
	LDW-Y3-LBS-SU-ENR-3B-CLAM	9/24/2020	1508	10
	LDW-Y3-LBS-SU-ENR-4B-CLAM	9/24/2020	1110	11
	LDW-Y3-LBS-SU-ENR-5B-CLAM	9/24/2020	1339	12
	LDW-Y3-LBS-SU-ENR-6B-CLAM	9/24/2020	1526	13
LDW-Y3-LBS-SU-ENR-C-CLAM 21	LDW-Y3-LBS-SU-ENR-1C-CLAM	9/24/2020	912	15
	LDW-Y3-LBS-SU-ENR-2C-CLAM	9/24/2020	958	16
	LDW-Y3-LBS-SU-ENR-3C-CLAM	9/24/2020	924	17
	LDW-Y3-LBS-SU-ENR-4C-CLAM	9/24/2020	1321	18
	LDW-Y3-LBS-SU-ENR-5C-CLAM	9/24/2020	1519	19
	LDW-Y3-LBS-SU-ENR-6C-CLAM	9/24/2020	1354	20
LDW-Y3-LBS-SU-ENR+AC-A-CLAM 7	LDW-Y3-LBS-SU-ENR+AC-1A-CLAM	9/24/2020	1027	1
	LDW-Y3-LBS-SU-ENR+AC-2A-CLAM	9/24/2020	1412	2
	LDW-Y3-LBS-SU-ENR+AC-3A-CLAM	9/24/2020	1155	3
	LDW-Y3-LBS-SU-ENR+AC-4A-CLAM	9/24/2020	1327	4
	LDW-Y3-LBS-SU-ENR+AC-5A-CLAM	9/24/2020	1116	5
	LDW-Y3-LBS-SU-ENR+AC-6A-CLAM	9/24/2020	1445	6
LDW-Y3-LBS-SU-ENR+AC-B-CLAM 14	LDW-Y3-LBS-SU-ENR+AC-1B-CLAM	9/24/2020	1105	8
	LDW-Y3-LBS-SU-ENR+AC-2B-CLAM	9/24/2020	1232	9
	LDW-Y3-LBS-SU-ENR+AC-3B-CLAM	9/24/2020	1334	10
	LDW-Y3-LBS-SU-ENR+AC-4B-CLAM	9/24/2020	1004	11
	LDW-Y3-LBS-SU-ENR+AC-5B-CLAM	9/24/2020	1140	12
	LDW-Y3-LBS-SU-ENR+AC-6B-CLAM	9/24/2020	1135	13
LDW-Y3-LBS-SU-ENR+AC-C-CLAM 21	LDW-Y3-LBS-SU-ENR+AC-1C-CLAM	9/24/2020	1513	~~14~~ 15
	LDW-Y3-LBS-SU-ENR+AC-2C-CLAM	9/24/2020	1208	16
	LDW-Y3-LBS-SU-ENR+AC-3C-CLAM	9/24/2020	1313	17
	LDW-Y3-LBS-SU-ENR+AC-4C-CLAM	9/24/2020	1212	18
	LDW-Y3-LBS-SU-ENR+AC-5C-CLAM	9/24/2020	936	19
	LDW-Y3-LBS-SU-ENR+AC-6C-CLAM	9/24/2020	1019	20
LDW-Y3-LBS-SU-ENR-A-WORM 7	LDW-Y3-LBS-SU-ENR-1A-WORM	9/24/2020	1455	1
	LDW-Y3-LBS-SU-ENR-2A-WORM	9/24/2020	932	2
	LDW-Y3-LBS-SU-ENR-3A-WORM	9/24/2020	1345	3
	LDW-Y3-LBS-SU-ENR-4A-WORM	9/24/2020	1014	4
	LDW-Y3-LBS-SU-ENR-5A-WORM	9/24/2020	1431	5
	LDW-Y3-LBS-SU-ENR-6A-WORM	9/24/2020	1349	6
LDW-Y3-LBS-SU-ENR-B-WORM 14	LDW-Y3-LBS-SU-ENR-1B-WORM	9/24/2020	1400	8
	LDW-Y3-LBS-SU-ENR-2B-WORM	9/24/2020	1425	9
	LDW-Y3-LBS-SU-ENR-3B-WORM	9/24/2020	1508	10
	LDW-Y3-LBS-SU-ENR-4B-WORM	9/24/2020	1110	11
	LDW-Y3-LBS-SU-ENR-5B-WORM	9/24/2020	1339	12
	LDW-Y3-LBS-SU-ENR-6B-WORM	9/24/2020	1526	13

13378

13379

13380

LDW-Y3-LBS-SU-ENR-C-WORM 21	LDW-Y3-LBS-SU-ENR-1C-WORM	9/24/2020	912	15
	LDW-Y3-LBS-SU-ENR-2C-WORM	9/24/2020	958	16
	LDW-Y3-LBS-SU-ENR-3C-WORM	9/24/2020	924	17
	LDW-Y3-LBS-SU-ENR-4C-WORM	9/24/2020	1321	18
	LDW-Y3-LBS-SU-ENR-5C-WORM	9/24/2020	1519	19
	LDW-Y3-LBS-SU-ENR-6C-WORM	9/24/2020	1354	20
LDW-Y3-LBS-SU-ENR+AC-A-WORM 26	LDW-Y3-LBS-SU-ENR+AC-1A-WORM	9/24/2020	1027	22
	LDW-Y3-LBS-SU-ENR+AC-2A-WORM	9/24/2020	1412	23
	LDW-Y3-LBS-SU-ENR+AC-3A-WORM	9/24/2020	1155	24
	LDW-Y3-LBS-SU-ENR+AC-4A-WORM	9/24/2020	1327	25
	LDW-Y3-LBS-SU-ENR+AC-5A-WORM	9/24/2020	1116	26
	LDW-Y3-LBS-SU-ENR+AC-6A-WORM	9/24/2020	1445	27
LDW-Y3-LBS-SU-ENR+AC-B-WORM 7	LDW-Y3-LBS-SU-ENR+AC-1B-WORM	9/24/2020	902	1
	LDW-Y3-LBS-SU-ENR+AC-2B-WORM	9/24/2020	1232	2
	LDW-Y3-LBS-SU-ENR+AC-3B-WORM	9/24/2020	1334	3
	LDW-Y3-LBS-SU-ENR+AC-4B-WORM	9/24/2020	1004	4
	LDW-Y3-LBS-SU-ENR+AC-5B-WORM	9/24/2020	1140	5
	LDW-Y3-LBS-SU-ENR+AC-6B-WORM	9/24/2020	1135	6
LDW-Y3-LBS-SU-ENR+AC-C-WORM 14	LDW-Y3-LBS-SU-ENR+AC-1C-WORM	9/24/2020	1513	8
	LDW-Y3-LBS-SU-ENR+AC-2C-WORM	9/24/2020	1208	9
	LDW-Y3-LBS-SU-ENR+AC-3C-WORM	9/24/2020	1313	10
	LDW-Y3-LBS-SU-ENR+AC-4C-WORM	9/24/2020	1212	11
	LDW-Y3-LBS-SU-ENR+AC-5C-WORM	9/24/2020	936	12
	LDW-Y3-LBS-SU-ENR+AC-6C-WORM	9/24/2020	1019	13
LDW-Y3-LBS-CLAM-BAS 13	LDW-Y3-LBS-1-CLAM-BAS	8/27/2020	1500	15
	LDW-Y3-LBS-2-CLAM-BAS	8/27/2020	1504	16
	LDW-Y3-LBS-3-CLAM-BAS	8/27/2020	1513	17
LDW-Y3-LBS-WORM-BAS 22	LDW-Y3-LBS-1-WORM-BAS	8/26/2020	1656	19
	LDW-Y3-LBS-2-WORM-BAS	8/26/2020	1656	20
	LDW-Y3-LBS-3-WORM-BAS	8/26/2020	1656	21

13380

13383

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13380**

Client:	Floyd | Snider
Client Project ID:	LDW ENR/AC Pilot Study
Date Received:	10/06/2020
Time Received:	10:05 am
Received By:	KC
Logged In By:	KC
# of Samples Received:	28
Duplicates:	0
Storage Location:	F-4

Method of Delivery:	Fed-Ex
Tracking Number:	771709576084
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	2
Cooling Method	Blue Ice/Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	No
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	No
pH Range of Aqueous Sample	N/A

Anomalies or additional comments:

Please note that the samples were received in clear glass jars. NELAP requires samples be received in amber glass bottles or jars. Although this anomaly will not affect your results, we are required by NELAP to make a note of it. We will proceed with analysis unless directed otherwise by you. In the future please send your samples in amber glass bottles or jars. Upon your request, we can provide amber bottle and/or jars to you at no cost.

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

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Contact Name: Diane Shannon and Cliff Whitmus
Address: 3500 188TH St. SW, Suite 601, Lynnwood WA 98037
Phone: 425-921-4008 Fax:
Email: diane.shannon@woodplc.com & crystal.thimsen@woodplc.com
PROJECT INFORMATION
FAL Quote #: 3102A
P.O. #: C013106435
Project #: LY15160310
Project Name: LDW ENR/AC Pilot Study
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13380-015-SA
13380-016-SA
13380-017-SA
13380-018-SA
13380-019-SA
13380-020-SA
Frontier Analytical Laboratory
Storage: F-3
(01 of 01)
Collection Date:
Project: Lower Duwamish Waterway
Preservation:
Analysis:
Frozen

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	13380	Sample #:	~~1-28~~ 7,14 PR 10-26-20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	09/24/2021
Matrix:	Tissue	Extraction Batch:	5498	Due Date:	10/28/2020
Method:	EPA 1668 PCB			Storage:	F-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13380-7
13380-7A

Extract/s located in box: H_2O_2

Standards: 13380

Instrument:
DB5MS ____
007-225 ____
DB1MS FDKY
Other ____

Frontier Analytical Laboratory
Percent Lipids

FAL Project: 13380

Sample ID	Chemist	Date	RB and Residue Weight (g)	Empty RB Weight (g)	(g) Lipids	%Lipids
13380-001-0001-SA	* These samples comped to #7 — RR 10-26-20					
13380-002-0001-SA						
13380-003-0001-SA						
13380-004-0001-SA						
13380-005-0001-SA						
13380-006-0001-SA						
13380-007-0001-SA	RR	10-26-20	0.8092g	0.8022g	0.070g	0.70%
13380-008-0001-SA	* These samples comped to #14 — RR 10-26-20					
13380-009-0001-SA						
13380-010-0001-SA						
13380-011-0001-SA						
13380-012-0001-SA						
13380-013-0001-SA						
13380-014-0001-SA	RR	10-26-20	0.8052	0.8009g	0.043g	0.59%
13380-015-0001-SA	* These samples comped & % lipid on other paperwork					
13380-016-0001-SA						
13380-017-0001-SA						
13380-018-0001-SA						
13380-019-0001-SA						
13380-020-0001-SA						
13380-021-0001-SA						
13380-022-0001-SA						
13380-023-0001-SA						
13380-024-0001-SA						
13380-025-0001-SA						

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13380 Extraction Date: 2020-10-26 Extraction Chemist: RR

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 1 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
13378 05498-001-0001-MB					
05498-001-0001-OPR					
13380-007-0001-SA	10.00g	NA	RR 10-26-20	NA	RR KC 10-27-20
13380-014-0001-SA	7.29g	↓	↓ ↓ ↓	↓	↓ ↓ ↓

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	60108
Water	203952	C-18 Empore Discs	31511	Cyclohexane	58152		

Comments:

Frontier Analytical Laboratory

CLEANUP SHEET

Project #: 13380

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 PCB·KOH	Cleanup 2 NA	Cleanup 3 NA	RS Amt: 10.0uL ID: 201019A Vial: 1
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
13378 05498-001-0001-MB				
05498-001-0001-OPR				
13380-007-0001-SA	RR 10·27·20	NA	NA	RR 10·27·20
13380-014-0001-SA	↓	↓	↓	↓ ↓ ↓

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	60108
Water	203952	C-18 Empore Discs	31511	Cyclohexane	58152		

Comments:

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

PR 10-26-20

Project #:	13380	Sample #:	~~1-28~~ ~~7, 14~~, 21, 28	Client Manager:	BS
Client:	Floyd | Snider		KCM 6-20	Hold Time:	09/24/2021
Matrix:	Tissue	Extraction Batch:	5499	Due Date:	10/28/2020
Method:	EPA 1668 PCB			Storage:	~~F3~~ F-4 DDN 10.22.20
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13380-21

Extract/s located in box: H_2O_2

Standards: 13380

Instrument:

DB5MS	
007-225	
DB1MS	FI(r)
Other	

Frontier Analytical Laboratory
Percent Lipids

FAL Project: 13380

Sample ID	Chemist	Date	RB and Residue Weight (g)	Empty RB Weight (g)	(g) Lipids	%Lipids
13380-001-0001-SA	See other % lipids sheet. KC 10.27.20					
13380-002-0001-SA						
13380-003-0001-SA						
13380-004-0001-SA						
13380-005-0001-SA						
13380-006-0001-SA						
13380-007-0001-SA						
13380-008-0001-SA						
13380-009-0001-SA						
13380-010-0001-SA						
13380-011-0001-SA						
13380-012-0001-SA						
13380-013-0001-SA						
13380-014-0001-SA						
13380-015-0001-SA						
13380-016-0001-SA						
13380-017-0001-SA						
13380-018-0001-SA						
13380-019-0001-SA						
13380-020-0001-SA						
13380-021-0001-SA	KC	10.27.20	0.7750g	0.7710g	0.0040g	0.89%
13380-022-0001-SA	See other % lipids sheet KC 10.27.2020					
13380-023-0001-SA						
13380-024-0001-SA						
13380-025-0001-SA						
13380.028.0001SA	KC	10.27.20	0.7969g	0.7931g	0.0038g	0.45%

Frontier Analytical Laboratory

EXTRACTION SHEET

Project #: 13380 Extraction Date: 2020-10-27 Extraction Chemist: KC

Method/Analysis: EPA 1668 PCB

Procedure: SOX Solvent: DCM (Methylene Chloride)

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: R200204A Vial: 1 Chemist/Witness/Date	NS Amt: 10.0uL ID: 200609A Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 201028A Vial: 1 Chemist/Witness/Date
05499-001-0001-MB	(10.00g)	NA	KC 10-27-20	NA	KC 10-29-20
05499-001-0001-OPR	(10.00g)	↓	↓	KC 10-27-20	↓
13380-021-0001-SA	4.48g	↓	↓	NA	↓
13380-028-0001-SA	8.40g	↓	↓	↓	↓

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	60108
Water	203952	C-18 Empore Discs	31511	Cyclohexane	58152		

Comments:

- MB and OPR blank matrix consists of ~10.00g Sodium Sulfate and 0.50g PCB oil 7169-001-SA. KC 10-27-20

Frontier Analytical Laboratory
CLEANUP SHEET

Project #: 13380

Method/Analysis: EPA 1668 PCB

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

Sample ID	Cleanup 1 KOH Column Chemist/Date	Cleanup 2 PCB-MSG Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 201019A Vial: 1 Chemist/Witness/Date
05499-001-0001-MB	KC 10-28-20 29 KC 10-29-20	KC 10-29-20	NA	KC 10-29-20
05499-001-0001-OPR	↓	↓	↓	↓
13380-021-0001-SA	↓	↓	↓	↓
13380-028-0001-SA	↓	↓	↓	↓

AX-21 Charcoal Cleaned	091619	Acetone	201164	Acid Alumina	A0388461	Hexane	201567
Methanol	200718	Methylene Chloride (DCM)	59353	Silica Gel	TA5086934	Sodium Hydroxide 1N	193250
Sodium Sulfate	2019111895	Sulfuric Acid	198700	Tetradecane	200273	Toluene	60108
Water	203952	C-18 Empore Discs	31511	Cyclohexane	58152		

Comments:

FAL ID: 05498-001-0001-MB Filename: 07NOV20Z Sam:3 Acquired: 7-NOV-20 09:28:13 ICal: DAILY209FAL4-11-7-20
Client ID: Method Blank ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.00

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.37	*		654	540	0.480			
13C-PCB-1	1.63e+07	3.19	y	14:32	0.71	742					74.2	3.48e+06	1.08e+06
PCB-2	*	*	n	NotFnd	1.39	*		654	540	0.459			
PCB-3	*	*	n	NotFnd	1.40	*		654	540	0.442			
13C-PCB-3	1.81e+07	3.30	y	16:58	0.69	852					85.2	3.62e+06	1.15e+06
PCB-4	*	*	n	NotFnd	1.08	*		620	3240	1.90			
PCB-10	*	*	n	NotFnd	1.63	*		620	3240	1.02			
13C-PCB-4	1.65e+07	1.58	y	18:13	0.65	819					81.9	2.93e+06	1.79e+06
PCB-9	*	*	n	NotFnd	1.51	*		620	3240	1.10			
PCB-7	*	*	n	NotFnd	1.53	*		620	3240	1.09			
PCB-6	*	*	n	NotFnd	1.52	*		620	3240	1.10			
PCB-8	*	*	n	NotFnd	1.51	*		620	3240	1.11			
PCB-5	*	*	n	NotFnd	1.56	*		620	3240	1.07			
PCB-14	*	*	n	NotFnd	1.47	*		620	3240	1.14			
PCB-11	*	*	n	NotFnd	1.42	*		620	3240	1.18			
PCB-13	*	*	n	NotFnd	1.43	*		620	3240	1.17			
PCB-12	*	*	n	NotFnd	1.44	*		620	3240	1.16			
PCB-15	*	*	n	NotFnd	1.31	*		620	3240	1.11			
13C-PCB-15	3.01e+07	1.63	y	23:45	0.98	998					99.8	4.09e+06	2.52e+06
PCB-19	*	*	n	NotFnd	1.34	*		870	428	0.896			
PCB-30	*	*	n	NotFnd	1.94	*		870	428	0.619			
PCB-18	*	*	n	NotFnd	1.33	*		870	428	0.903			
PCB-17	*	*	n	NotFnd	1.44	*		870	428	0.835			
PCB-27	*	*	n	NotFnd	1.86	*		870	428	0.647			
PCB-24	*	*	n	NotFnd	1.83	*		870	428	0.657			
PCB-16	*	*	n	NotFnd	1.60	*		870	428	0.753			
PCB-32	*	*	n	NotFnd	1.71	*		870	428	0.703			
13C-PCB-19	1.04e+07	1.12	y	22:06	0.38	879					87.9	1.41e+06	1.28e+06
13C-PCB-9	3.09e+07	1.60	y	19:54	-	6.48							
PCB-34	*	*	n	NotFnd	1.26	*		987	600	0.523			
PCB-23	*	*	n	NotFnd	1.52	*		987	600	0.435			
PCB-29	*	*	n	NotFnd	1.40	*		987	600	0.470			
PCB-26	*	*	n	NotFnd	1.33	*		987	600	0.498			
PCB-25	*	*	n	NotFnd	1.31	*		987	600	0.505			
PCB-31	*	*	n	NotFnd	1.40	*		987	600	0.470			
PCB-28	*	*	n	NotFnd	1.55	*		987	600	0.425			
PCB-20	*	*	n	NotFnd	1.29	*		987	600	0.511		Co-elute PCB 21/33	
PCB-21	*	*	n	NotFnd	1.29	*		987	600	0.511		Co-elute PCB 20/33	
PCB-33	*	*	n	NotFnd	1.29	*		987	600	0.511		Co-elute PCB 20/21	
PCB-22	*	*	n	NotFnd	1.48	*		987	600	0.446			
PCB-36	*	*	n	NotFnd	1.32	*		987	600	0.498			
PCB-39	*	*	n	NotFnd	1.32	*		987	600	0.500			
PCB-38	*	*	n	NotFnd	1.33	*		987	600	0.496			
PCB-35	*	*	n	NotFnd	1.24	*		987	600	0.533			
PCB-37	*	*	n	NotFnd	1.28	*		987	600	0.517			
13C-PCB-37	3.15e+07	1.07	y	30:23	1.76	1030					103	3.10e+06	2.91e+06

PCB-54	*	*	n	NotFnd	1.37	*	566	984	0.626			
PCB-50	*	*	n	NotFnd	1.07	*	566	984	0.801			
PCB-53	*	*	n	NotFnd	1.02	*	566	984	0.835			
PCB-51	*	*	n	NotFnd	1.10	*	566	984	0.778			
PCB-45	*	*	n	NotFnd	0.90	*	566	984	0.948			
PCB-46	*	*	n	NotFnd	0.86	*	566	984	0.996			
PCB-52	*	*	n	NotFnd	1.07	*	566	984	0.799	Co-elute PCB 69		
PCB-69	*	*	n	NotFnd	1.07	*	566	984	0.799	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.38	*	566	984	0.622			
PCB-43	*	*	n	NotFnd	0.98	*	566	984	0.874	Co-elute PCB 49		
PCB-49	*	*	n	NotFnd	0.98	*	566	984	0.874	Co-elute PCB 43		
PCB-47	*	*	n	NotFnd	1.04	*	566	984	0.823			
PCB-48	*	*	n	NotFnd	1.22	*	566	984	0.701	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.22	*	566	984	0.701	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.23	*	566	984	0.695			
PCB-62	*	*	n	NotFnd	1.36	*	566	984	0.630			
PCB-44	*	*	n	NotFnd	0.85	*	566	984	1.01			
PCB-42	*	*	n	NotFnd	1.10	*	566	984	0.775	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.10	*	566	984	0.775	Co-elute PCB 42		
PCB-72	*	*	n	NotFnd	1.23	*	566	984	0.694	Co-elute PCB 41/71/64		
PCB-41	*	*	n	NotFnd	1.23	*	566	984	0.694	Co-elute PCB 72/71/64		
PCB-71	*	*	n	NotFnd	1.23	*	566	984	0.694	Co-elute PCB 72/41/64		
PCB-64	*	*	n	NotFnd	1.23	*	566	984	0.694	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.40	*	566	984	0.610			
PCB-40	*	*	n	NotFnd	0.78	*	566	984	1.10			
PCB-57	*	*	n	NotFnd	1.33	*	566	984	0.641			
PCB-67	*	*	n	NotFnd	1.23	*	566	984	0.698			
PCB-58	*	*	n	NotFnd	1.44	*	566	984	0.593			
PCB-63	*	*	n	NotFnd	1.35	*	566	984	0.636			
PCB-74	*	*	n	NotFnd	1.28	*	566	984	0.668			
PCB-61	*	*	n	NotFnd	1.23	*	566	984	0.693	Co-elute PCB 70		
PCB-70	*	*	n	NotFnd	1.23	*	566	984	0.693	Co-elute PCB 61		
PCB-76	*	*	n	NotFnd	1.38	*	566	984	0.622	Co-elute PCB 66		
PCB-66	*	*	n	NotFnd	1.38	*	566	984	0.622	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.58	*	566	984	0.542			
PCB-55	*	*	n	NotFnd	1.36	*	566	984	0.628			
13C-PCB-54	1.75e+07	0.83	y	25:38	1.21	834				83.4	2.04e+06	2.48e+06
PCB-104	*	*	n	NotFnd	1.22	*	423	440	0.635			
PCB-96	*	*	n	NotFnd	1.18	*	423	440	0.657			
PCB-103	*	*	n	NotFnd	0.97	*	423	440	0.803			
PCB-100	*	*	n	NotFnd	0.99	*	423	440	0.780			
PCB-94	*	*	n	NotFnd	0.82	*	423	440	0.947			
PCB-98	*	*	n	NotFnd	0.86	*	423	440	0.904	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	423	440	0.904	Co-elute PCB 98		
PCB-95	*	*	n	NotFnd	0.87	*	423	440	0.894			
PCB-93	*	*	n	NotFnd	0.86	*	423	440	0.906			
PCB-88	*	*	n	NotFnd	0.90	*	423	440	0.864	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.90	*	423	440	0.864	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.19	*	423	440	0.654			
13C-PCB-104	1.17e+07	1.61	y	30:04	0.78	869				86.9	1.72e+06	1.07e+06
13C-PCB-28	3.45e+07	1.08	y	26:42	2.19	910				91.0	4.14e+06	3.93e+06
13C-PCB-52	1.73e+07	0.82	y	28:59	-	8.00						

PCB-56	*	*	n	NotFnd	1.25	*	540	756	0.579			Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.25	*	540	756	0.579			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.31	*	540	756	0.551			
PCB-78	*	*	n	NotFnd	1.27	*	540	756	0.571			
PCB-81	*	*	n	NotFnd	1.33	*	540	756	0.547			
13C-PCB-81	2.09e+07	0.80	y	36:08	1.84	937				93.7	1.98e+06	2.48e+06
PCB-77	*	*	n	NotFnd	1.17	*	540	756	0.617			
13C-PCB-77	2.17e+07	0.81	y	36:42	1.89	946				94.6	2.03e+06	2.46e+06
PCB-155	*	*	n	NotFnd	1.16	*	505	351	0.612			
PCB-150	*	*	n	NotFnd	1.10	*	505	351	0.646			
PCB-152	*	*	n	NotFnd	1.09	*	505	351	0.652			
PCB-145	*	*	n	NotFnd	1.12	*	505	351	0.637			
PCB-136	*	*	n	NotFnd	1.06	*	505	351	0.670			
PCB-148	*	*	n	NotFnd	0.86	*	505	351	0.822			
PCB-154	*	*	n	NotFnd	0.94	*	505	351	0.756			
13C-PCB-155	1.24e+07	1.28	y	34:13	1.02	1000				100	1.71e+06	1.31e+06
13C-PCB-111	1.49e+07	1.63	y	36:17	1.31	937				93.7	2.21e+06	1.33e+06
13C-PCB-101	1.21e+07	1.60	y	34:40	-	6.55						
PCB-84	*	*	n	NotFnd	0.69	*	621	489	0.968			Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.69	*	621	489	0.968			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.68	*	621	489	0.982			
PCB-90	*	*	n	NotFnd	0.76	*	621	489	0.879			Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.76	*	621	489	0.879			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.81	*	621	489	0.825			
PCB-99	*	*	n	NotFnd	0.89	*	621	489	0.758			
PCB-119	*	*	n	NotFnd	0.97	*	621	489	0.693			
PCB-83	*	*	n	NotFnd	0.76	*	621	489	0.886			Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.76	*	621	489	0.886			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.95	*	621	489	0.710			
PCB-97	*	*	n	NotFnd	0.66	*	621	489	1.01			
PCB-86	*	*	n	NotFnd	0.67	*	621	489	1.01			
PCB-125	*	*	n	NotFnd	0.86	*	621	489	0.780			Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.86	*	621	489	0.780			Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.86	*	621	489	0.780			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	0.99	*	621	489	0.680			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	0.99	*	621	489	0.680			Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.83	*	621	489	0.812			Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.83	*	621	489	0.812			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.00	*	621	489	0.669			
PCB-110	*	*	n	NotFnd	0.99	*	621	489	0.679			
PCB-82	*	*	n	NotFnd	0.58	*	621	489	1.15			
PCB-124	*	*	n	NotFnd	1.27	*	723	657	0.657			
PCB-108	*	*	n	NotFnd	1.26	*	723	657	0.661			Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.26	*	723	657	0.661			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.21	*	723	657	0.723			
13C-PCB-123	1.80e+07	1.60	y	38:19	1.42	941				94.1	2.38e+06	1.54e+06
PCB-118	*	*	n	NotFnd	1.21	*	723	657	0.630			Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.21	*	723	657	0.630			Co-elute PCB 118
13C-PCB-118	1.98e+07	1.61	y	38:31	1.54	959				95.9	2.83e+06	1.72e+06
PCB-114	*	*	n	NotFnd	1.30	*	723	657	0.663			
13C-PCB-114	1.87e+07	1.60	y	39:07	1.46	958				95.8	2.47e+06	1.54e+06
PCB-122	*	*	n	NotFnd	1.29	*	723	657	0.647			
PCB-105	*	*	n	NotFnd	1.31	*	723	657	0.649			
13C-PCB-105	1.79e+07	1.62	y	39:56	1.45	919				91.9	2.53e+06	1.54e+06

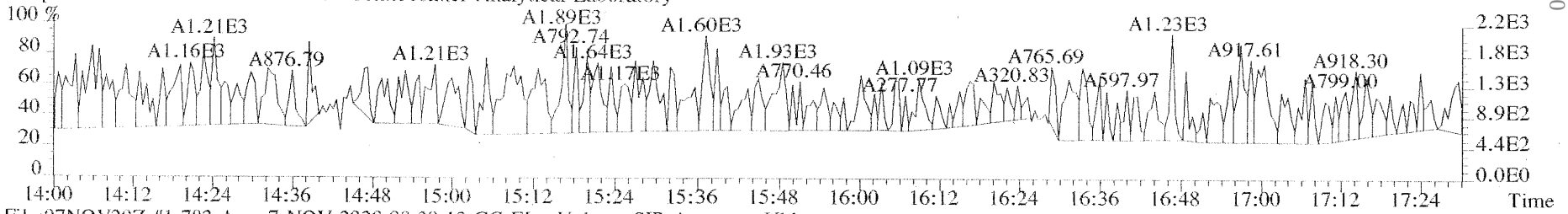
PCB-127	*	*	n	NotFnd	1.21	*	723	657	0.691				
PCB-126	*	*	n	NotFnd	1.28	*	723	657	0.768				
13C-PCB-126	1.67e+07	1.60	y	42:03	1.31	945				94.5	2.18e+06	1.35e+06	
PCB-151	*	*	n	NotFnd	1.00	*	644	489	0.843				
PCB-135	*	*	n	NotFnd	1.01	*	644	489	0.837				
PCB-144	*	*	n	NotFnd	1.03	*	644	489	0.819				
PCB-147	*	*	n	NotFnd	1.11	*	644	489	0.758				
PCB-139	*	*	n	NotFnd	1.09	*	644	489	0.775		Co-elute PCB 149		
PCB-149	*	*	n	NotFnd	1.09	*	644	489	0.775		Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.11	*	644	489	0.764				
PCB-143	*	*	n	NotFnd	0.90	*	644	489	0.936		Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.90	*	644	489	0.936		Co-elute PCB 143		
PCB-131	*	*	n	NotFnd	0.92	*	644	489	0.920		Co-elute PCB 133		
PCB-133	*	*	n	NotFnd	0.92	*	644	489	0.920		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.94	*	644	489	0.899				
PCB-165	*	*	n	NotFnd	1.20	*	644	489	0.704		Co-elute PCB 146		
PCB-146	*	*	n	NotFnd	1.20	*	644	489	0.704		Co-elute PCB 165		
PCB-161	*	*	n	NotFnd	1.14	*	644	489	0.741		Co-elute PCB 132		
PCB-132	*	*	n	NotFnd	1.14	*	644	489	0.741		Co-elute PCB 161		
PCB-153	*	*	n	NotFnd	1.19	*	644	489	0.708				
PCB-168	*	*	n	NotFnd	1.33	*	644	489	0.635				
PCB-141	*	*	n	NotFnd	1.03	*	644	489	0.824				
PCB-137	*	*	n	NotFnd	1.03	*	644	489	0.824				
PCB-130	*	*	n	NotFnd	0.89	*	644	489	0.950				
PCB-138	*	*	n	NotFnd	1.19	*	644	489	0.707		Co-elute PCB 163/164		
PCB-163	*	*	n	NotFnd	1.19	*	644	489	0.707		Co-elute PCB 138/164		
PCB-164	*	*	n	NotFnd	1.19	*	644	489	0.707		Co-elute PCB 138/163		
PCB-158	*	*	n	NotFnd	1.33	*	644	489	0.635		Co-elute PCB 160		
PCB-160	*	*	n	NotFnd	1.33	*	644	489	0.635		Co-elute PCB 158		
PCB-129	*	*	n	NotFnd	0.87	*	644	489	0.977				
PCB-166	*	*	n	NotFnd	1.29	*	644	489	0.654				
PCB-159	*	*	n	NotFnd	1.39	*	644	489	0.610				
PCB-128	*	*	n	NotFnd	1.12	*	644	489	0.758		Co-elute PCB 162		
PCB-162	*	*	n	NotFnd	1.12	*	644	489	0.758		Co-elute PCB 128		
PCB-167	*	*	n	NotFnd	1.24	*	644	489	0.661				
13C-PCB-167	1.46e+07	1.28	y	43:25	1.14	948				94.8	1.95e+06	1.51e+06	
PCB-156	*	*	n	NotFnd	1.30	*	644	489	0.674				
13C-PCB-156	1.50e+07	1.29	y	44:39	1.10	1010				101	1.81e+06	1.42e+06	
PCB-157	*	*	n	NotFnd	1.27	*	644	489	0.673				
13C-PCB-157	1.45e+07	1.27	y	44:54	1.16	936				93.6	1.87e+06	1.46e+06	
PCB-169	*	*	n	NotFnd	1.21	*	644	489	0.690				
13C-PCB-169	1.38e+07	1.30	y	46:46	1.07	961				96.1	1.96e+06	1.45e+06	

FAL ID: 05498-001-0001-MB Filename: 07NOV20Z Sam:3 Acquired: 7-NOV-20 09:28:13 ICal: DAILY209FAL4-11-7-20
Client ID: Method Blank ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 10.00

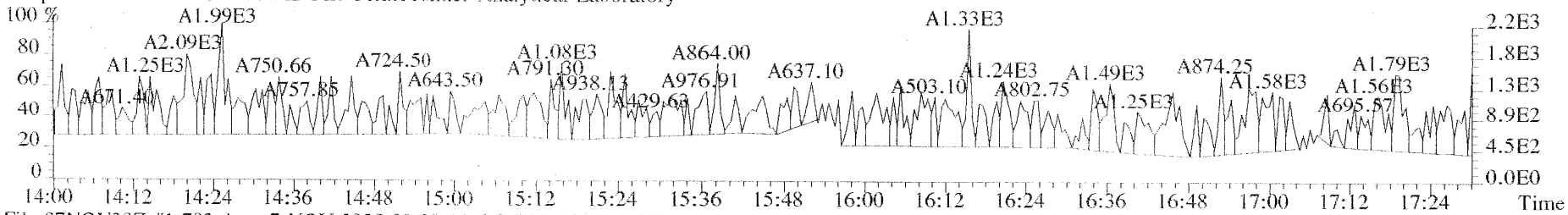
PCB-188	*	*	n	NotFnd	1.19	*	486	453	0.670				
13C-PCB-188	1.25e+07	1.05	y	39:43	0.92	1010				101	1.50e+06	1.44e+06	
PCB-184	*	*	n	NotFnd	1.33	*	486	453	0.616				
PCB-179	*	*	n	NotFnd	1.26	*	486	453	0.651				
PCB-176	*	*	n	NotFnd	1.20	*	486	453	0.685				
PCB-186	*	*	n	NotFnd	1.22	*	486	453	0.671				
PCB-178	*	*	n	NotFnd	0.88	*	486	453	0.934				
PCB-175	*	*	n	NotFnd	0.93	*	486	453	0.881				
PCB-187	*	*	n	NotFnd	1.00	*	486	453	0.822		Co-elute PCB 182		
PCB-182	*	*	n	NotFnd	1.00	*	486	453	0.822		Co-elute PCB 187		
PCB-183	*	*	n	NotFnd	0.99	*	486	453	0.825				
PCB-185	*	*	n	NotFnd	0.90	*	486	453	0.908				
PCB-174	*	*	n	NotFnd	0.84	*	486	453	0.972				
PCB-181	*	*	n	NotFnd	1.01	*	486	453	0.813				
PCB-177	*	*	n	NotFnd	0.86	*	486	453	0.956				
PCB-171	*	*	n	NotFnd	0.91	*	486	453	0.903				
PCB-173	*	*	n	NotFnd	0.85	*	486	453	0.964				
PCB-172	*	*	n	NotFnd	0.85	*	486	453	0.958				
PCB-192	*	*	n	NotFnd	1.15	*	486	453	0.714				
PCB-180	*	*	n	NotFnd	0.89	*	486	453	0.916				
PCB-193	*	*	n	NotFnd	1.22	*	486	453	0.673				
PCB-191	*	*	n	NotFnd	1.18	*	486	453	0.693				
PCB-170	*	*	n	NotFnd	0.84	*	486	453	0.973				
PCB-190	*	*	n	NotFnd	1.15	*	486	453	0.710				
PCB-189	*	*	n	NotFnd	1.15	*	486	453	0.731				
13C-PCB-189	1.07e+07	1.08	y	48:27	0.80	997				99.7	1.46e+06	1.32e+06	
PCB-202	*	*	n	NotFnd	1.11	*	396	422	0.860				
PCB-201	*	*	n	NotFnd	1.19	*	396	422	0.804				
PCB-204	*	*	n	NotFnd	1.21	*	396	422	0.786				
PCB-197	*	*	n	NotFnd	1.22	*	396	422	0.779				
PCB-200	*	*	n	NotFnd	1.19	*	396	422	0.803				
PCB-198	*	*	n	NotFnd	0.86	*	396	422	1.11				
PCB-199	*	*	n	NotFnd	0.88	*	396	422	1.08				
PCB-203	*	*	n	NotFnd	0.95	*	396	422	0.999		Co-elute PCB 196		
PCB-196	*	*	n	NotFnd	0.95	*	396	422	0.999		Co-elute PCB 203		
13C-PCB-202	8.42e+06	0.91	y	44:49	0.64	974				97.4	1.03e+06	1.11e+06	
13C-PCB-178	8.81e+06	1.08	y	42:21	0.67	975				97.5	1.09e+06	9.65e+05	
13C-PCB-138	1.34e+07	1.29	y	41:33	-	6.40							
PCB-195	*	*	n	NotFnd	0.93	*	756	988	0.767				
PCB-194	*	*	n	NotFnd	0.95	*	756	988	0.749				
PCB-205	*	*	n	NotFnd	1.18	*	756	988	0.604				
13C-PCB-205	1.73e+07	0.90	y	50:06	1.24	1010				101	2.89e+06	3.23e+06	
PCB-208	*	*	n	NotFnd	1.11	*	576	740	0.536				
13C-PCB-208	1.56e+07	0.81	y	49:09	1.12	1020				102	2.44e+06	3.13e+06	
PCB-207	*	*	n	NotFnd	1.29	*	576	740	0.549				
PCB-206	*	*	n	NotFnd	1.13	*	576	740	0.758				
13C-PCB-206	1.15e+07	0.80	y	51:18	0.84	991				99.1	1.70e+06	2.13e+06	
PCB-209	*	*	n	NotFnd	1.24	*	616	348	0.606				
13C-PCB-209	1.15e+07	1.20	y	52:29	0.81	1030				103	1.75e+06	1.45e+06	
13C-PCB-194	1.38e+07	0.91	y	49:50	-	6.26							

Analyst: _____ Date: 11/9/20

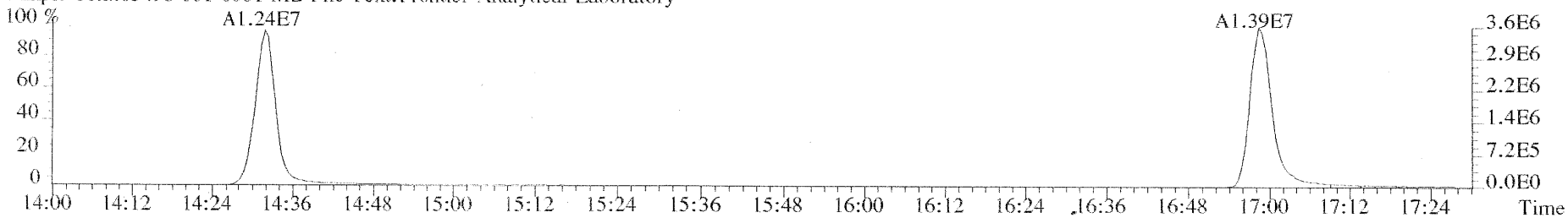
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



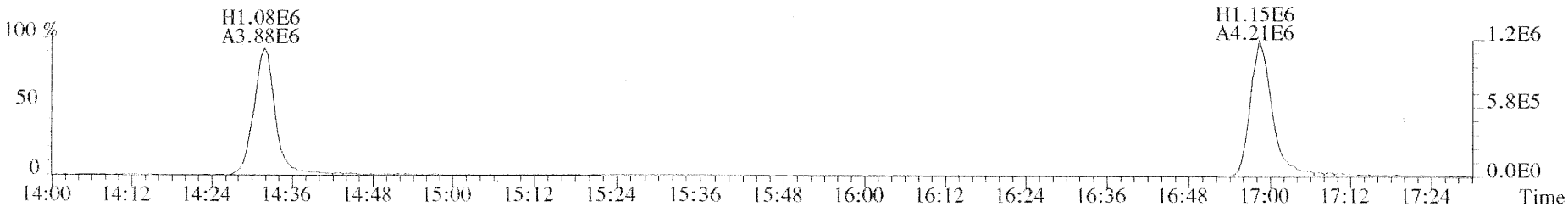
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



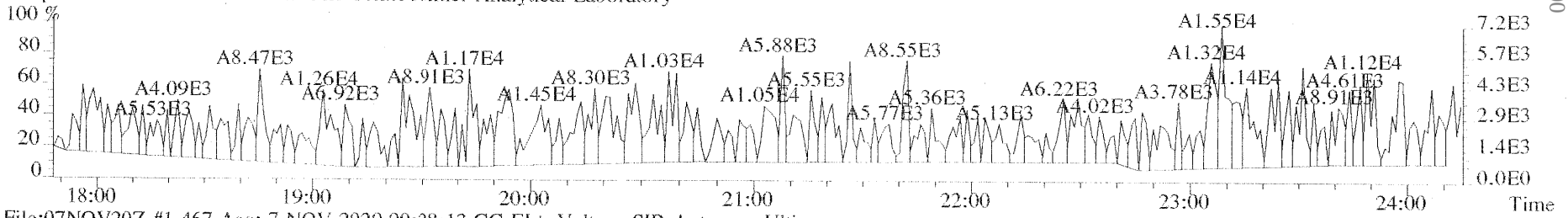
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



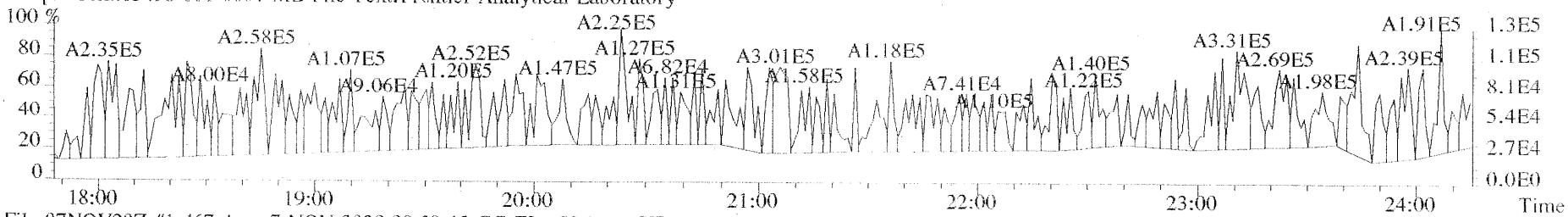
File:07NOV20Z #1-783 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



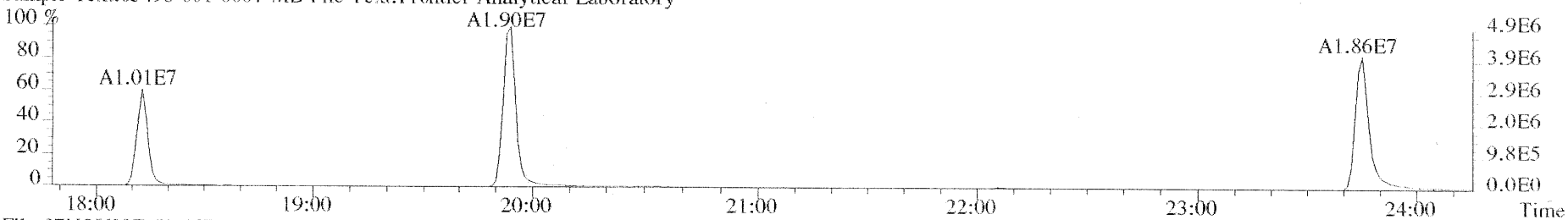
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



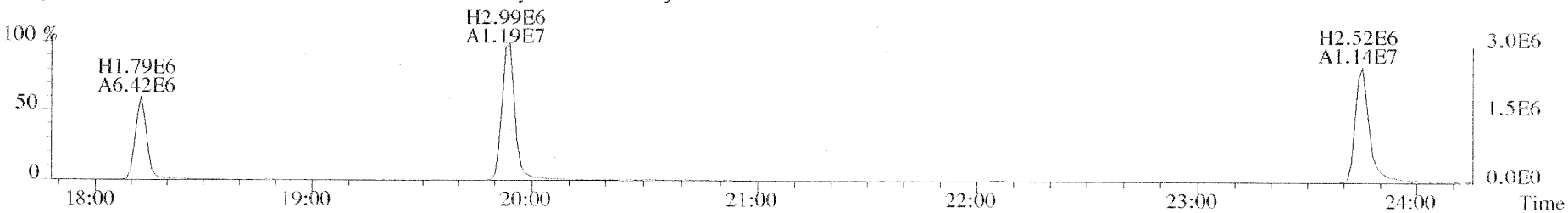
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



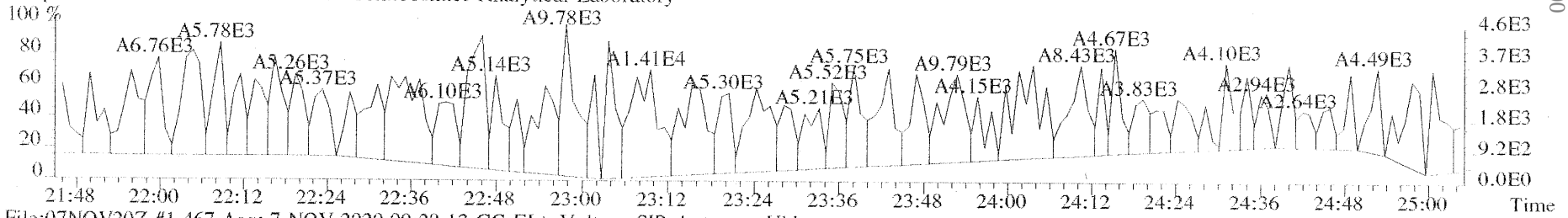
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



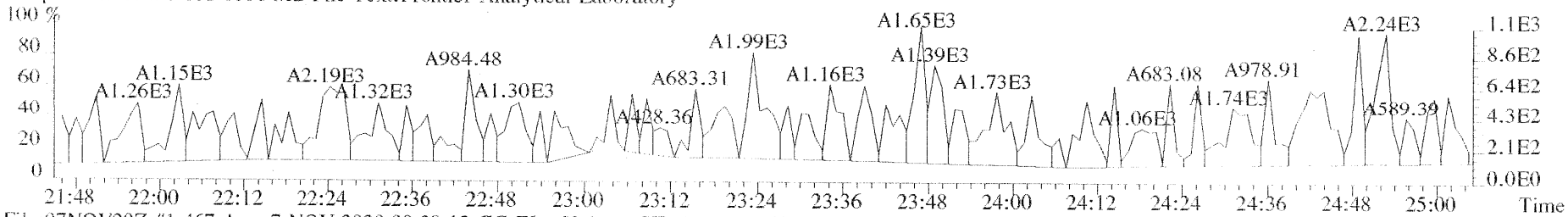
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



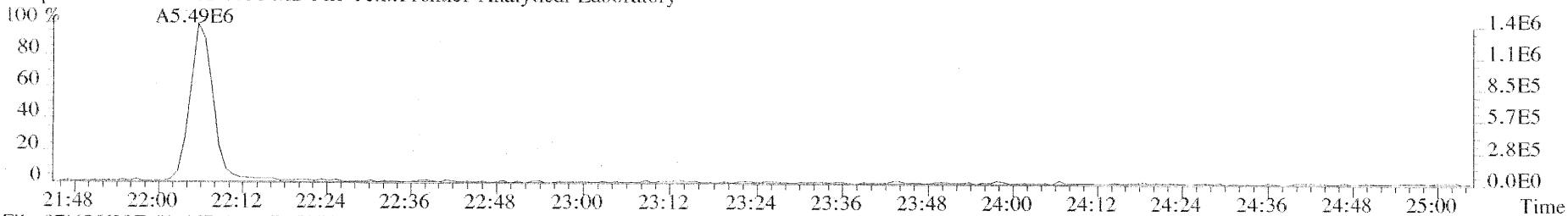
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



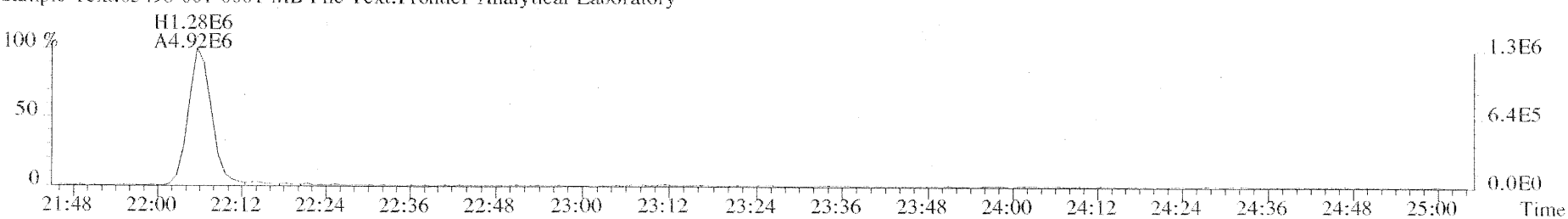
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



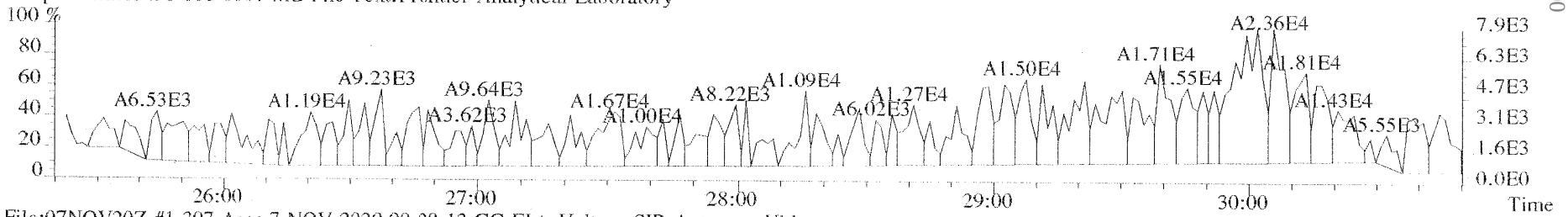
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



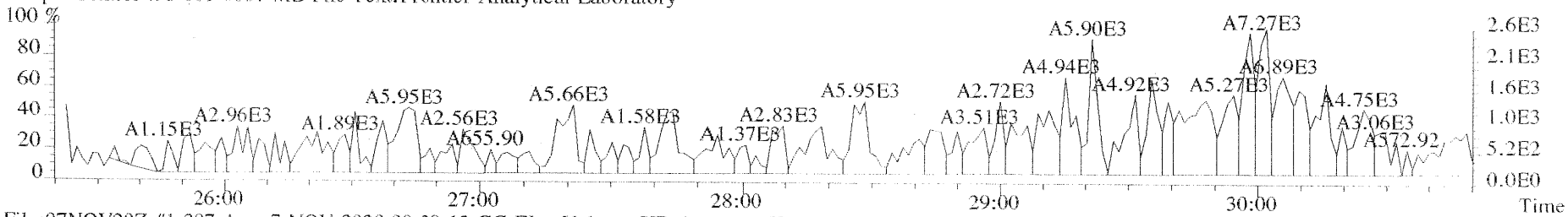
File:07NOV20Z #1-467 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



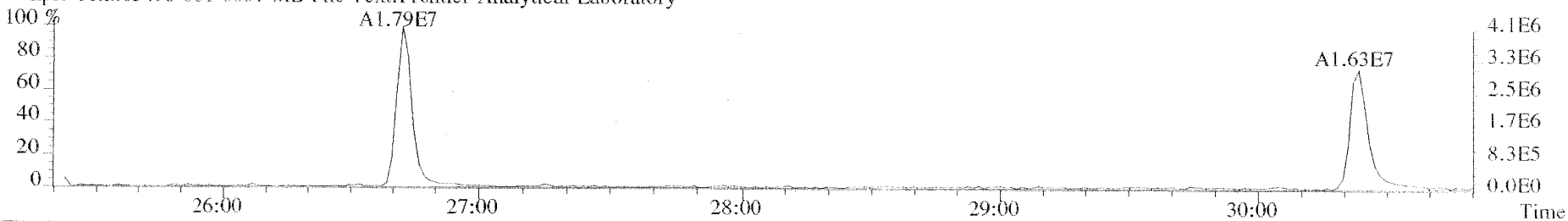
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



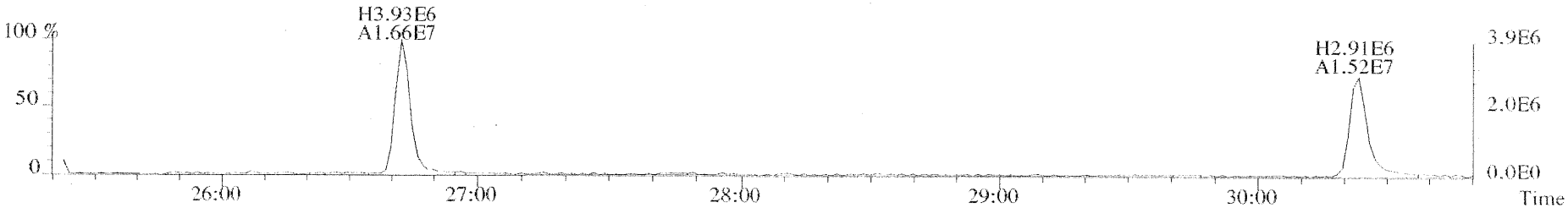
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



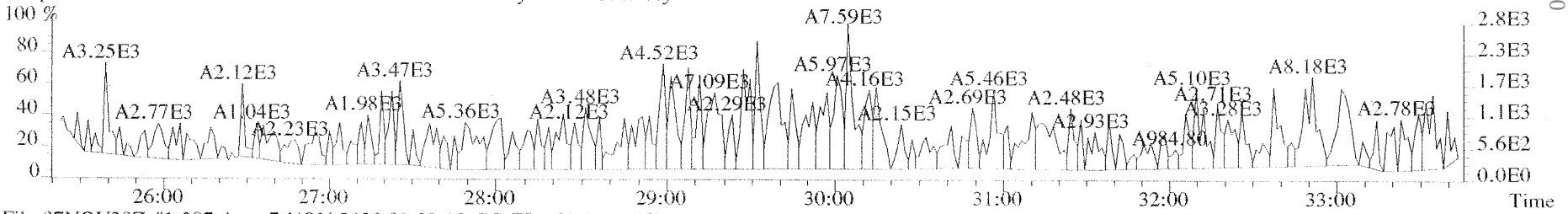
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



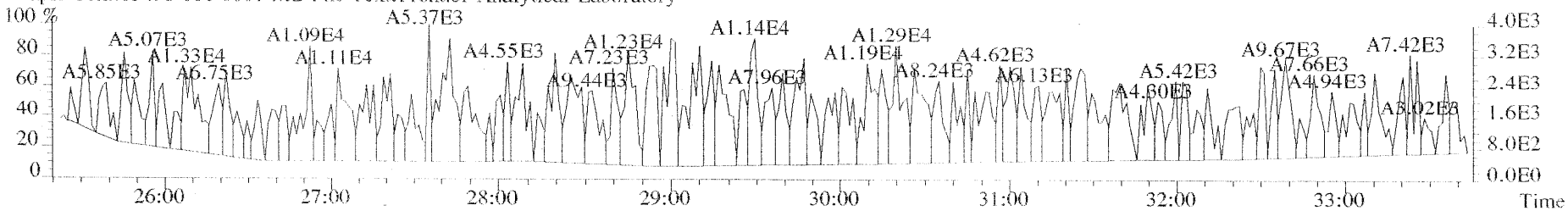
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



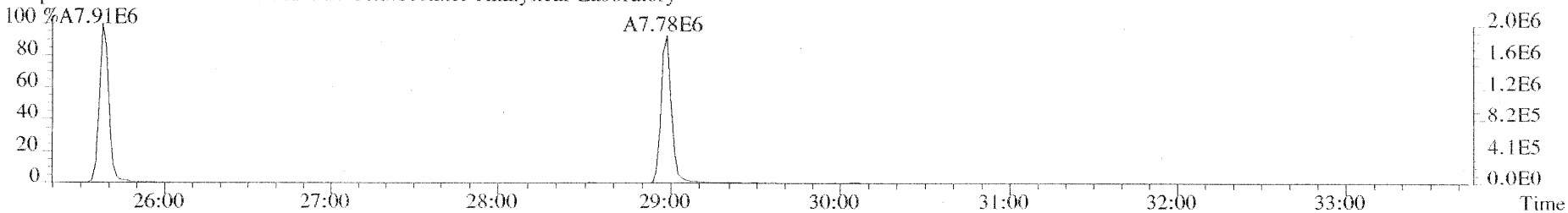
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



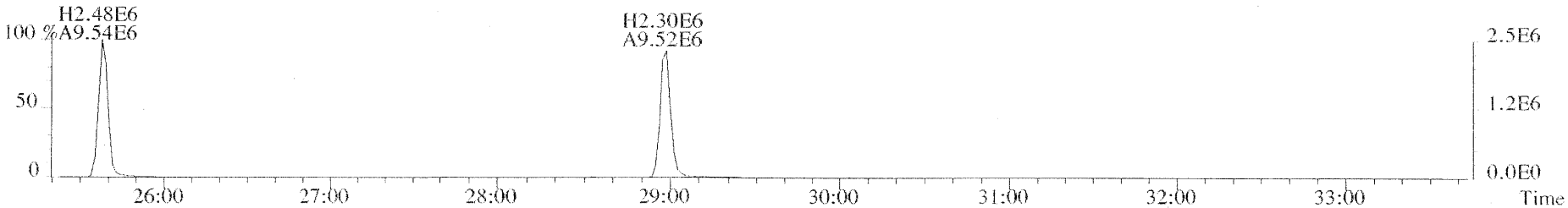
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



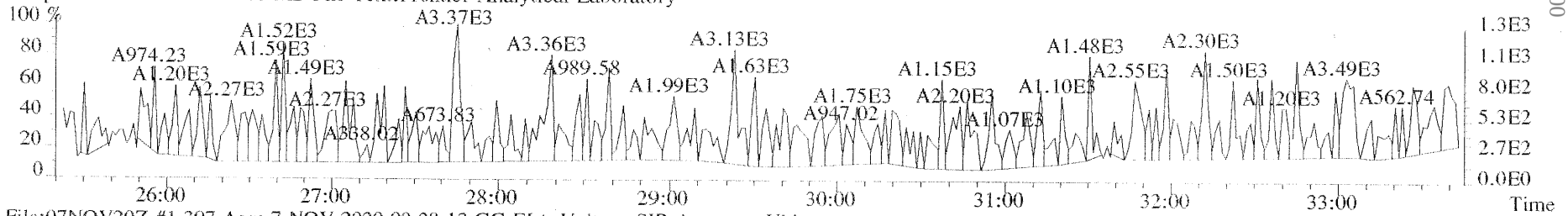
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



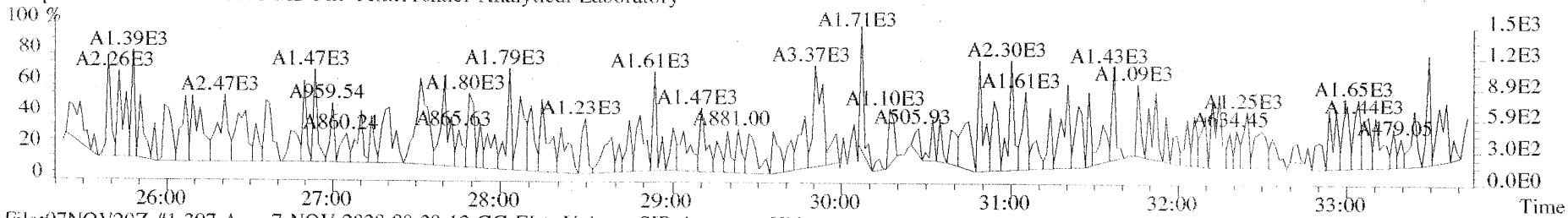
File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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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
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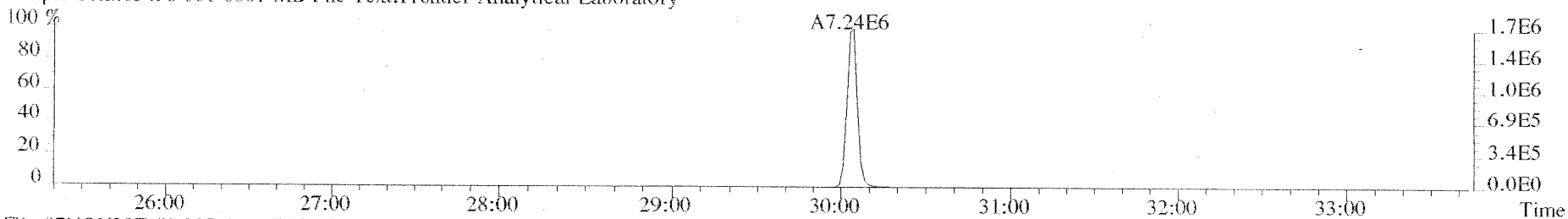
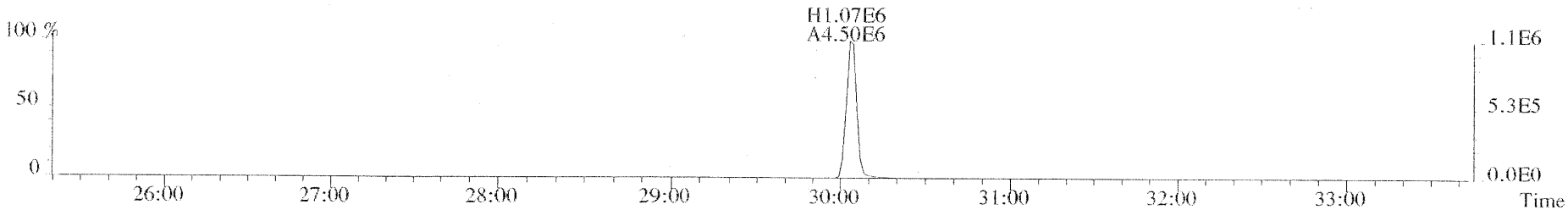


File:07NOV20Z #1-397 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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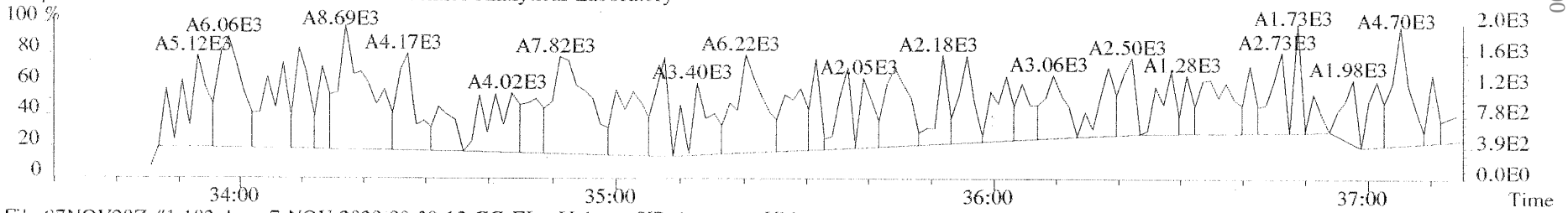
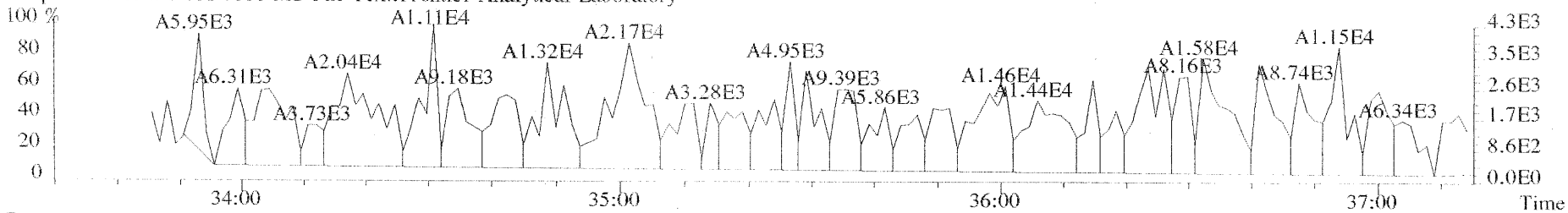
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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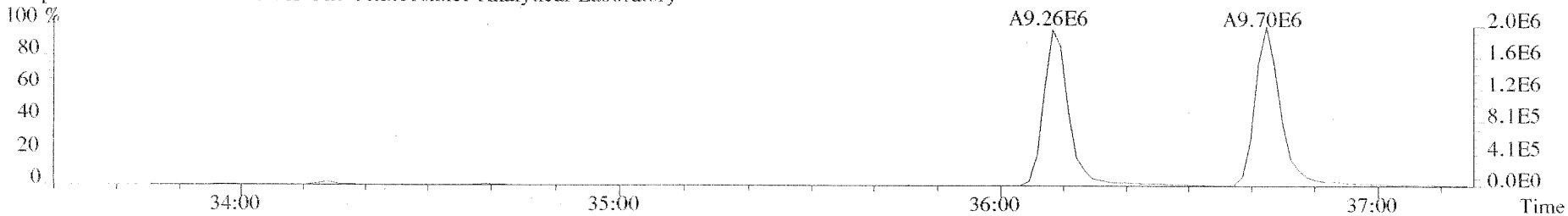
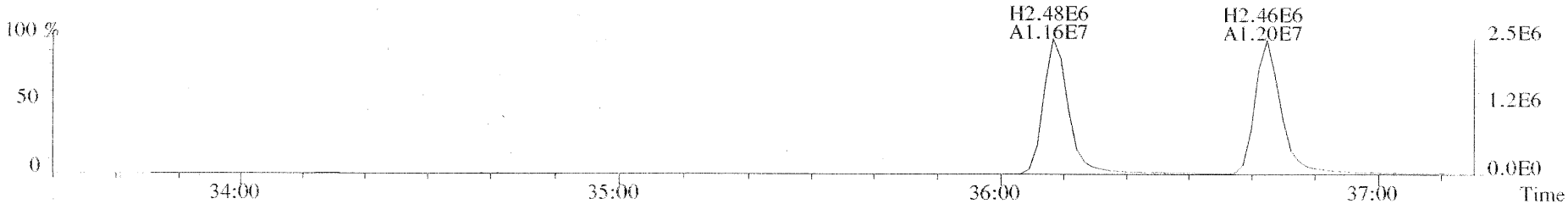
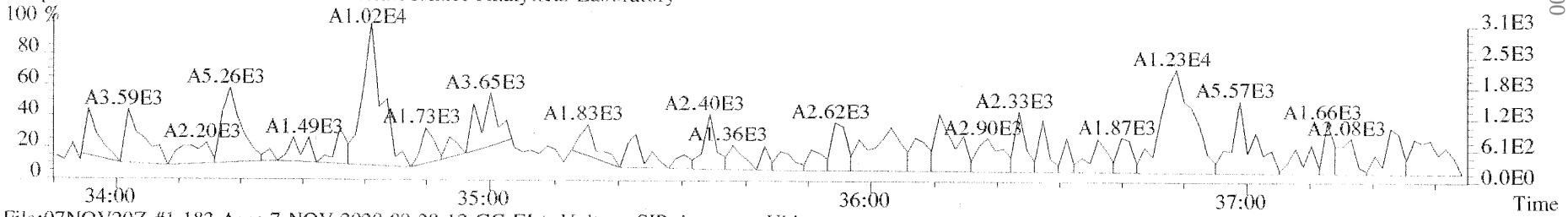
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



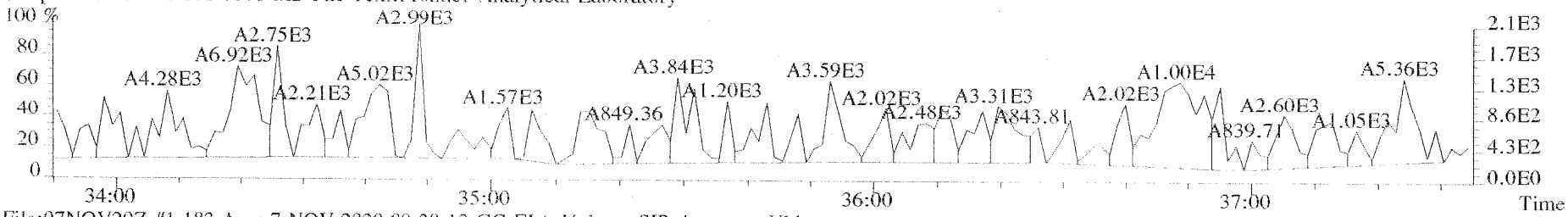
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



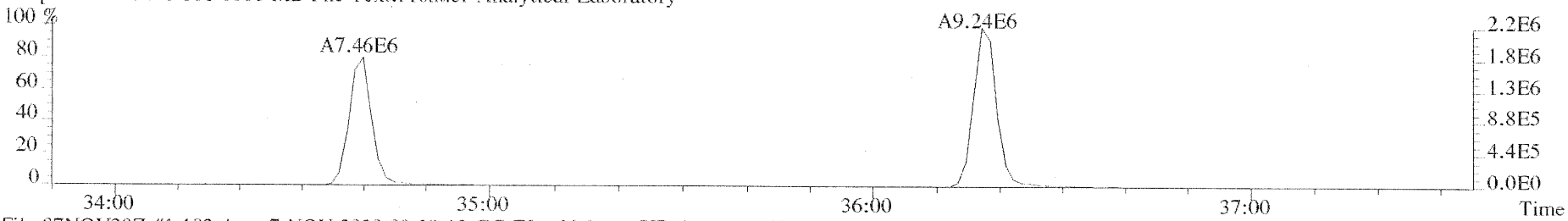
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



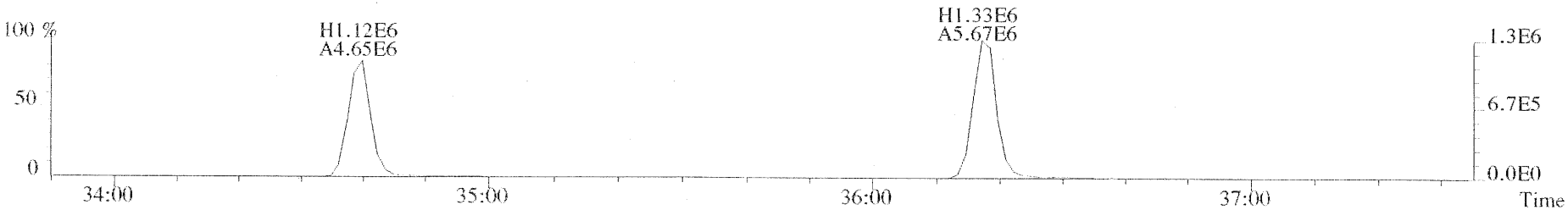
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



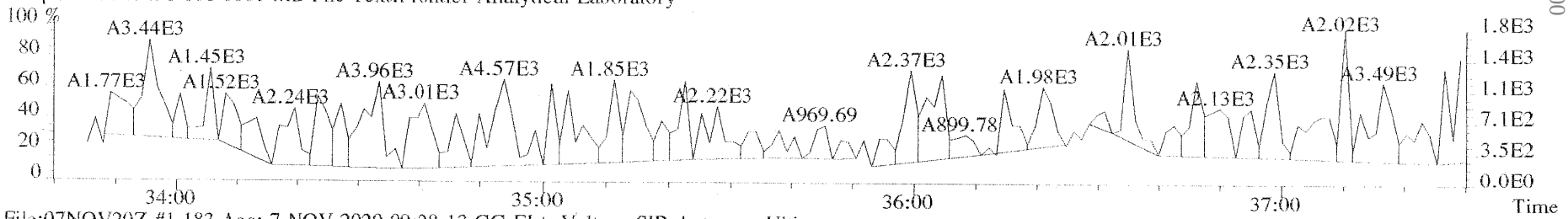
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



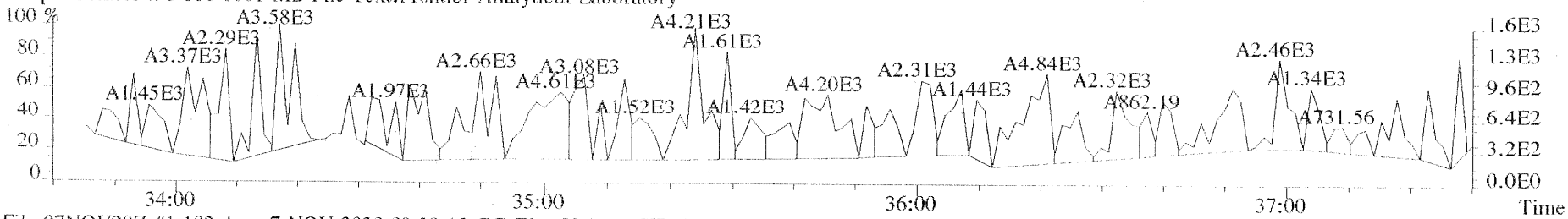
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



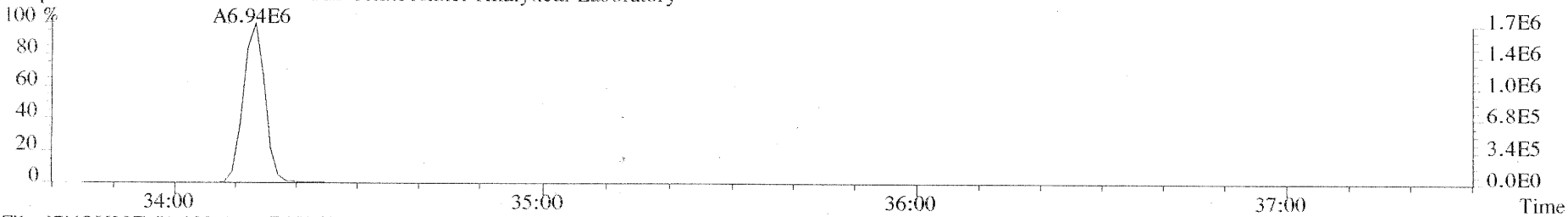
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



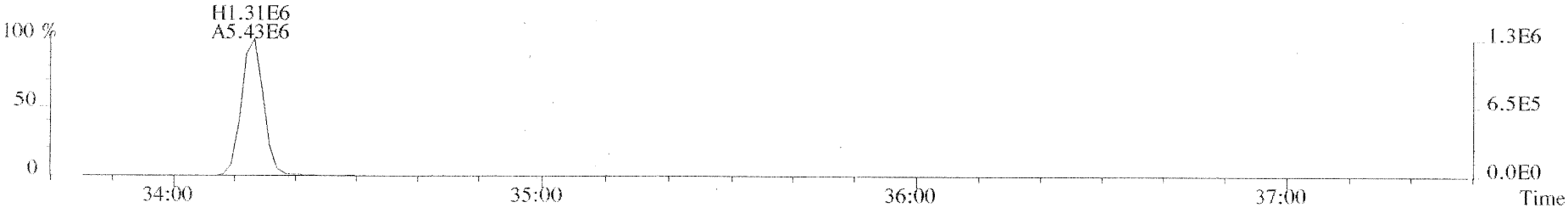
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



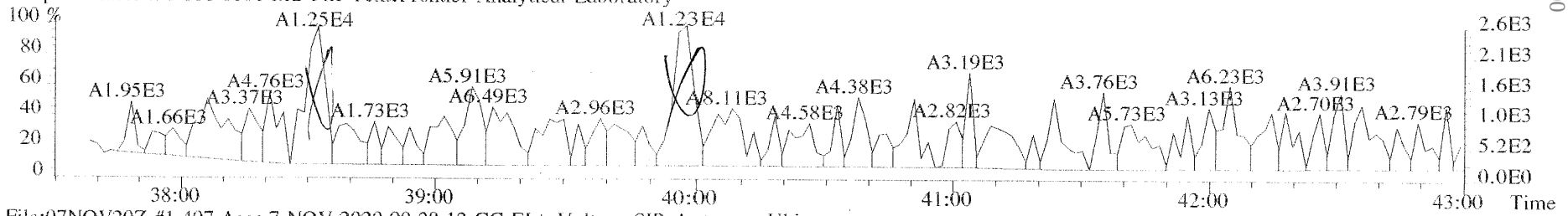
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



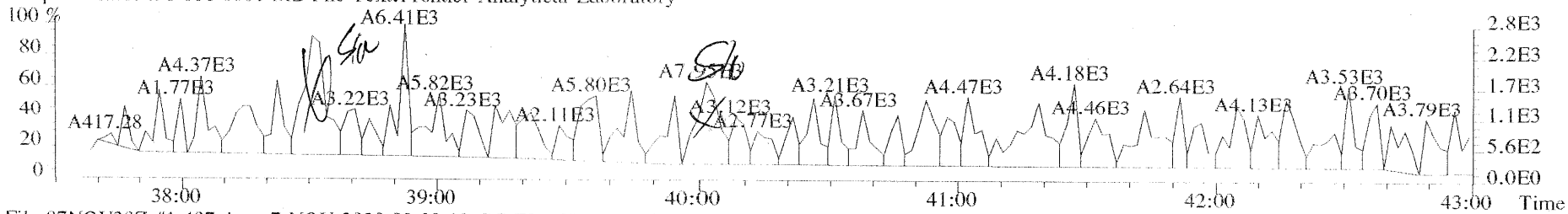
File:07NOV20Z #1-183 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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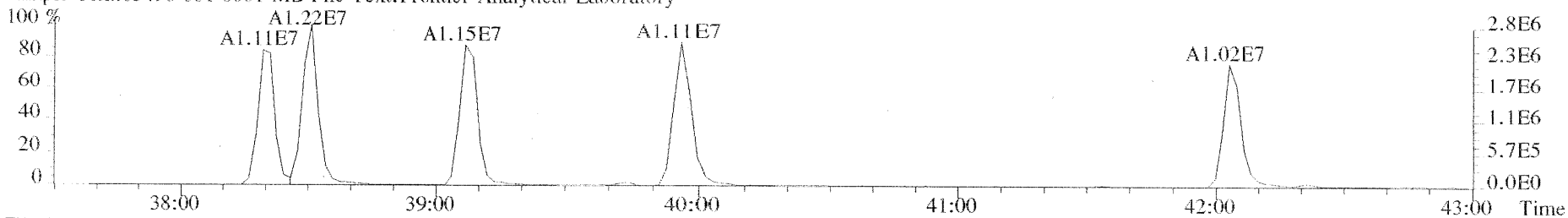
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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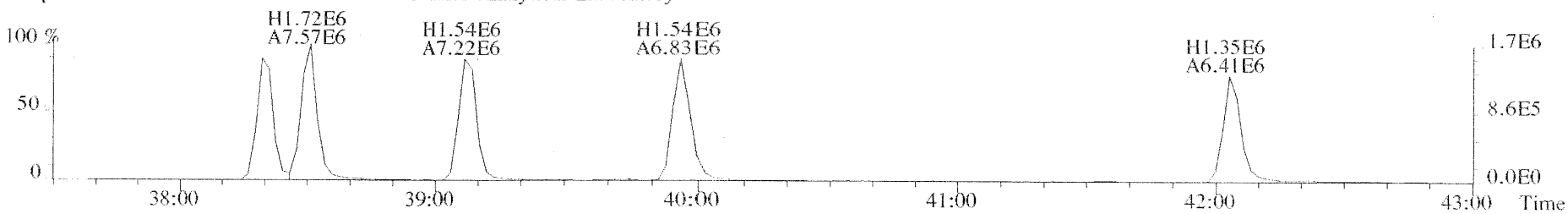
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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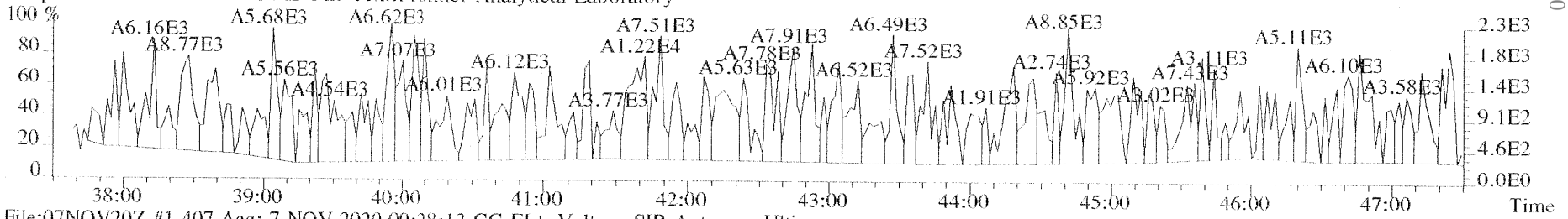
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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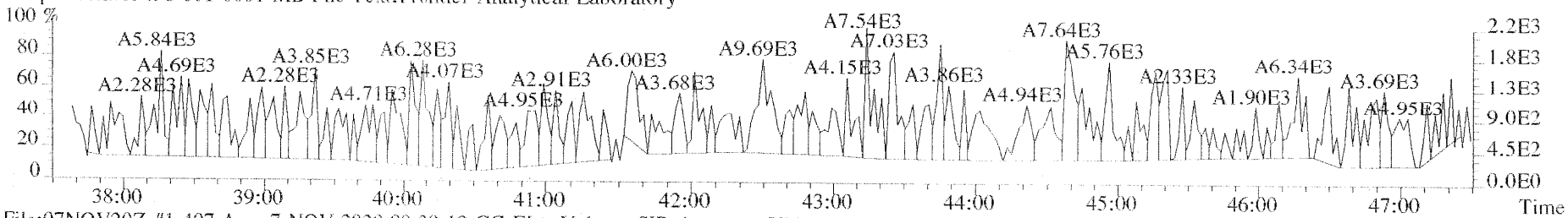
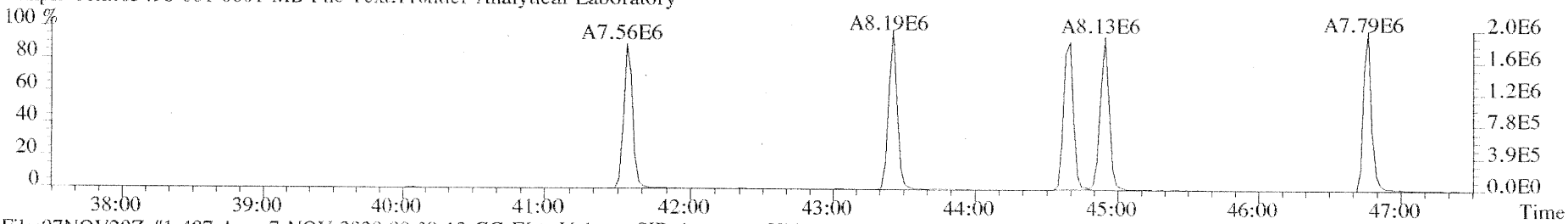
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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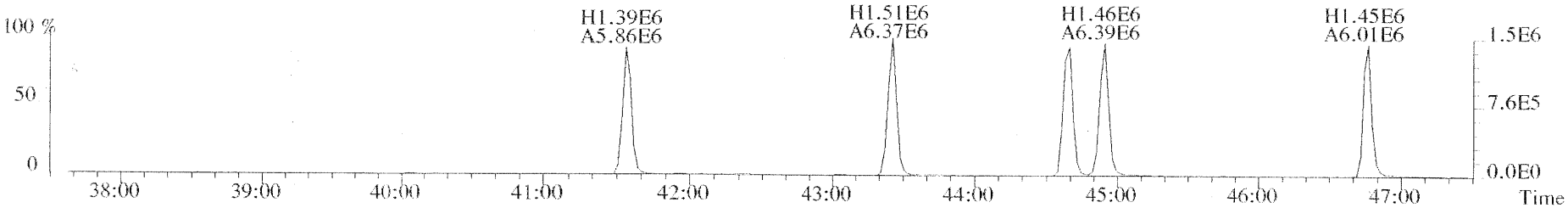
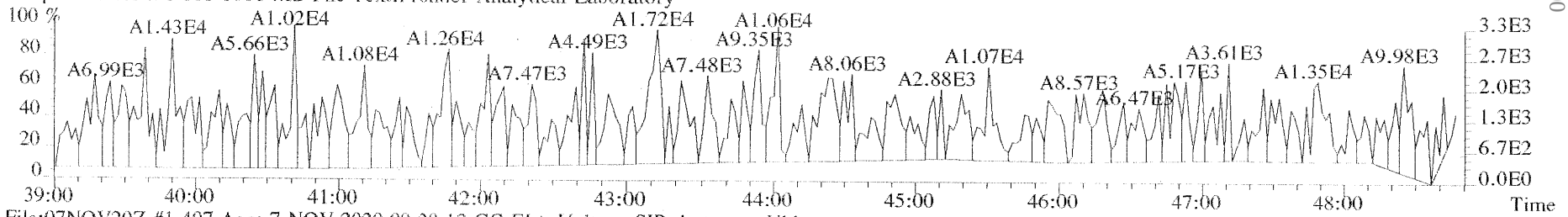
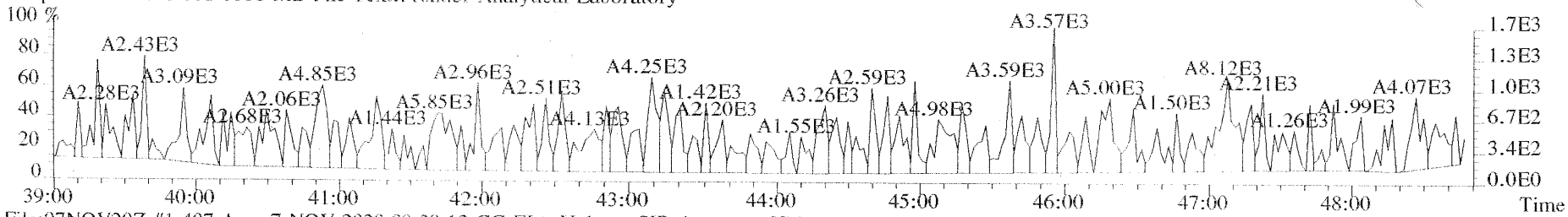
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



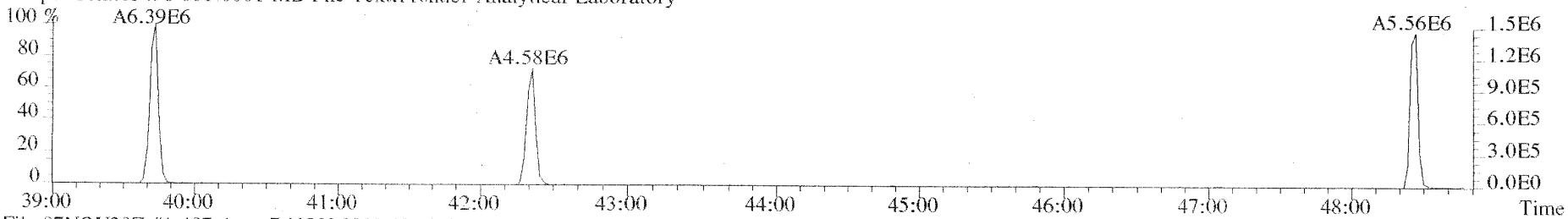
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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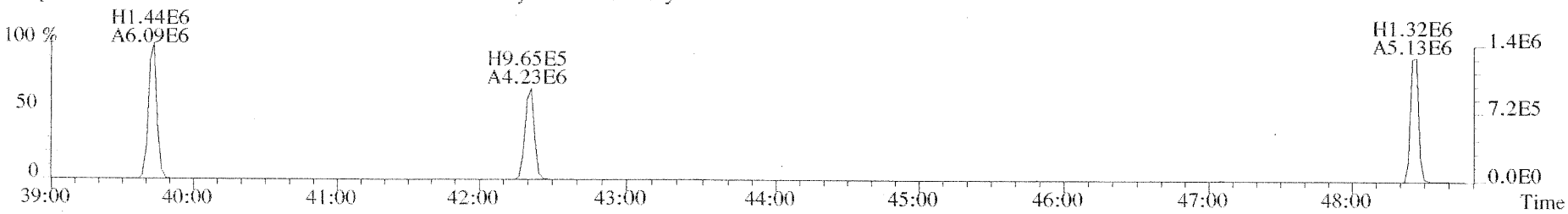
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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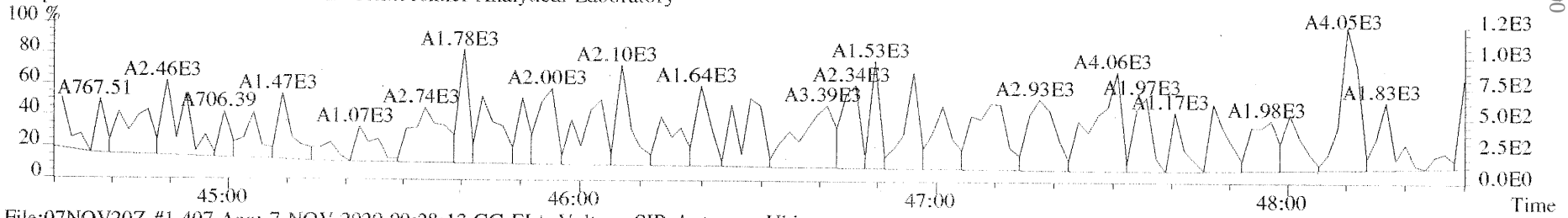
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



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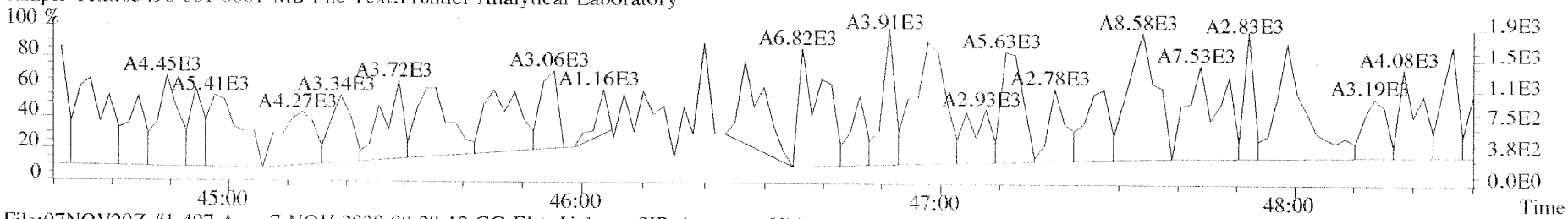
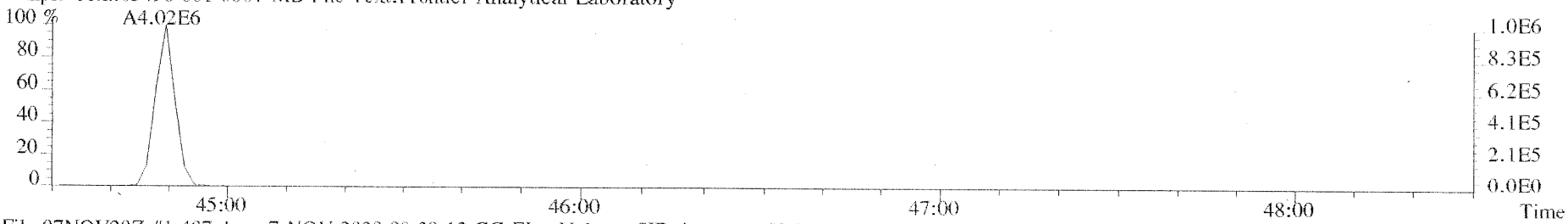
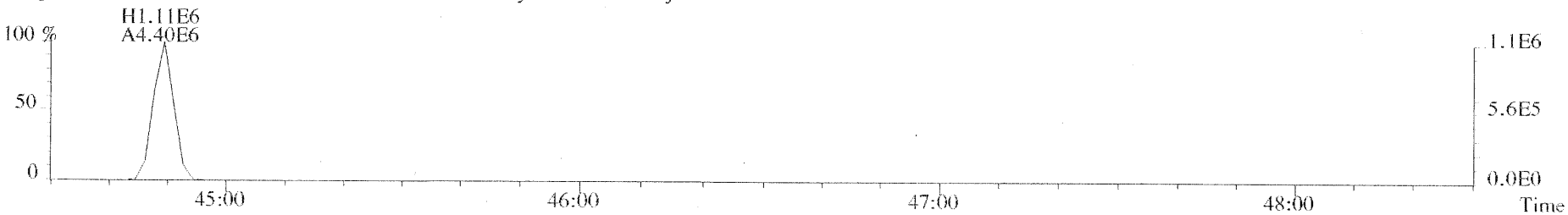
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



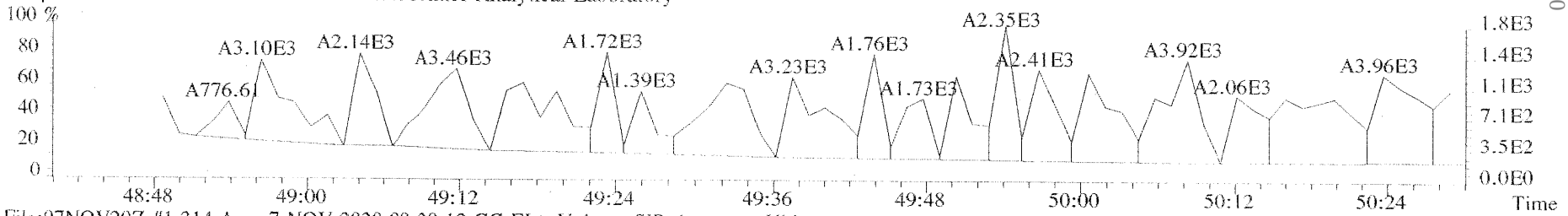
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



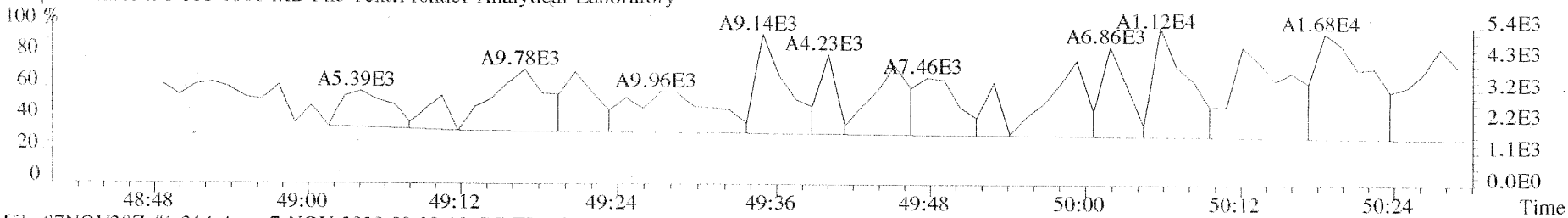
File:07NOV20Z #1-407 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



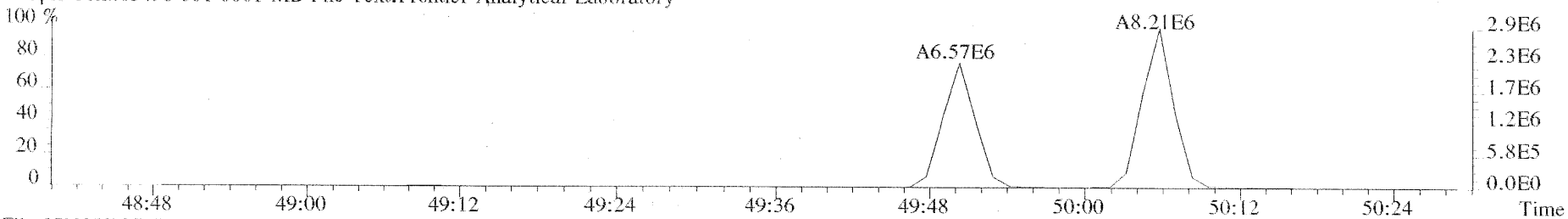
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



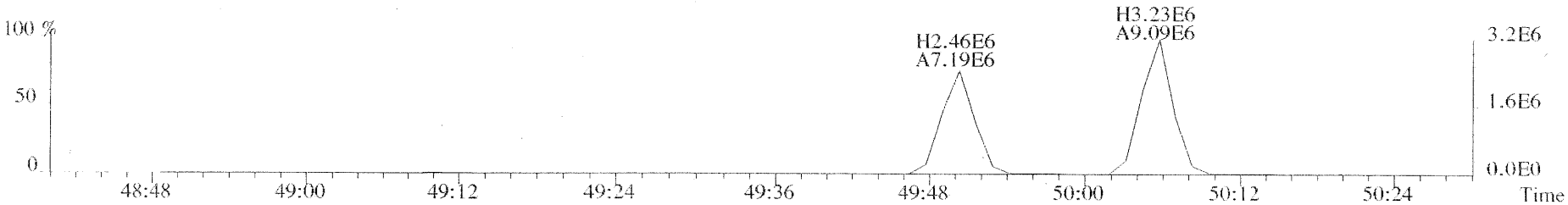
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



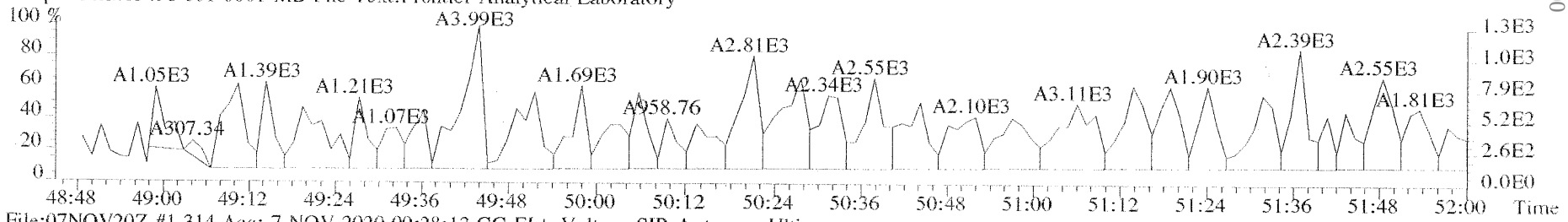
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



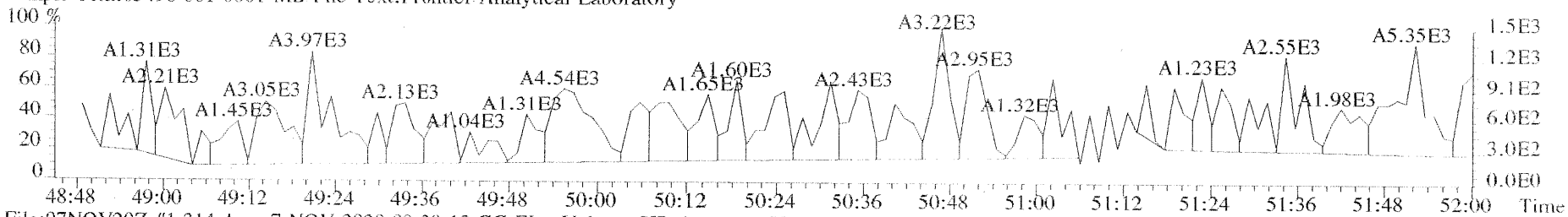
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



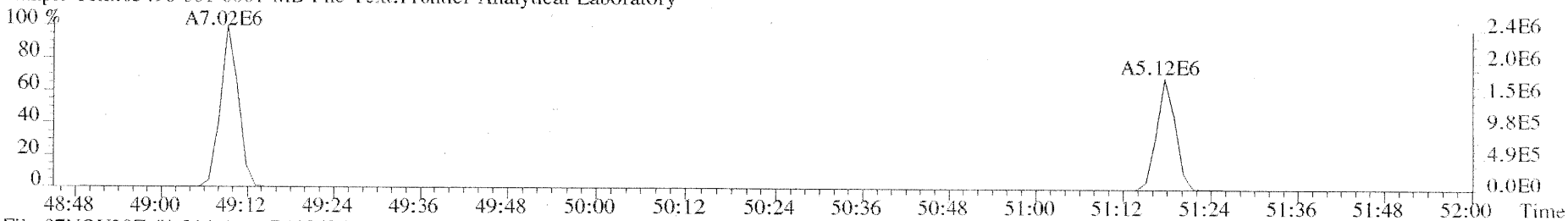
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



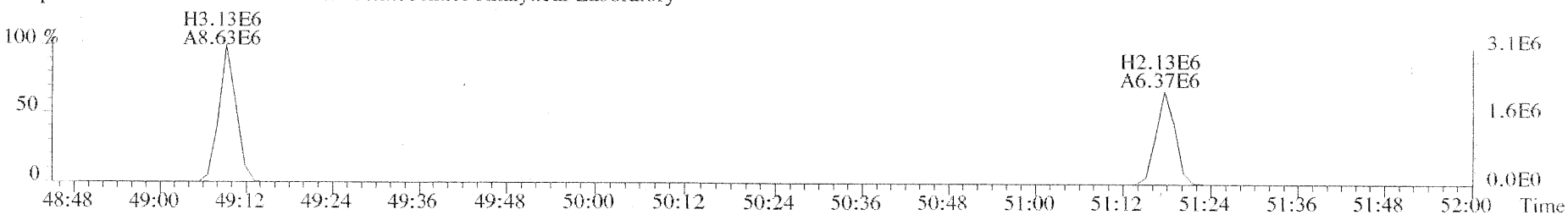
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



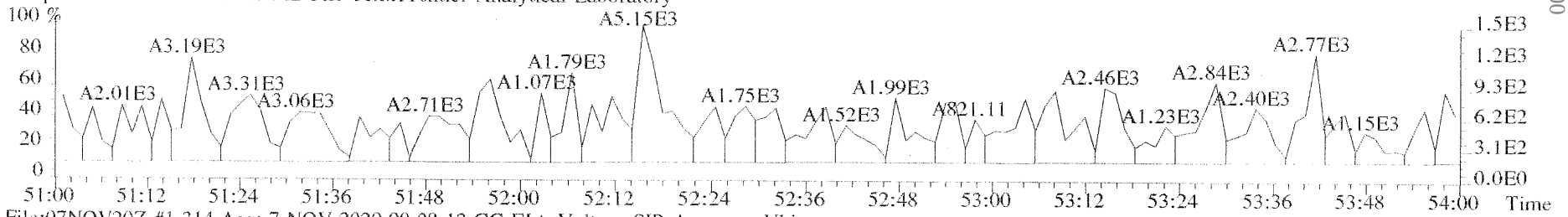
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



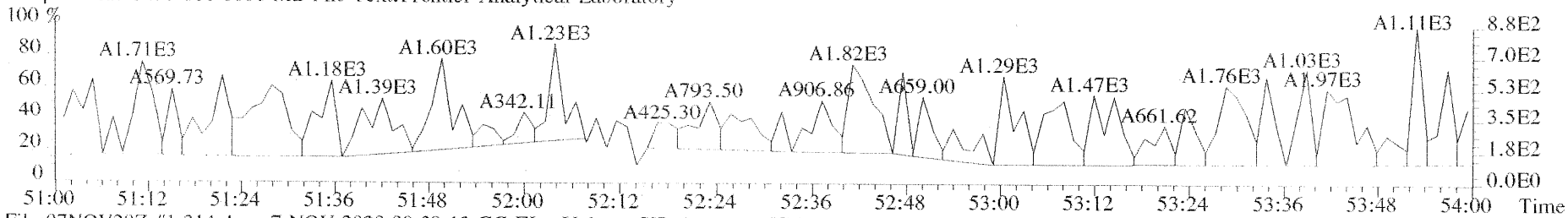
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



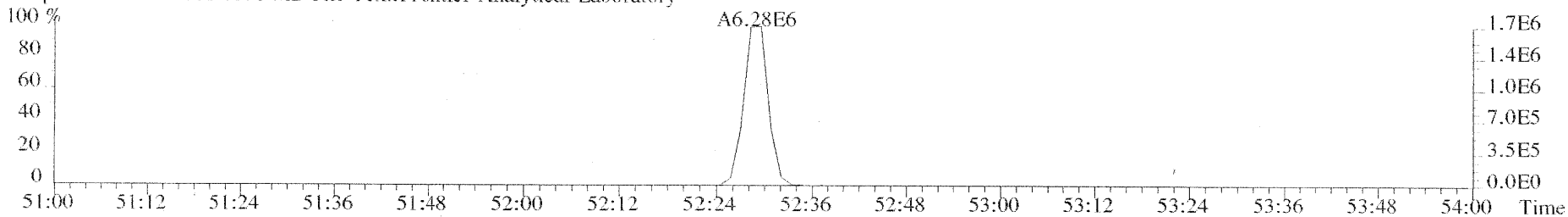
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



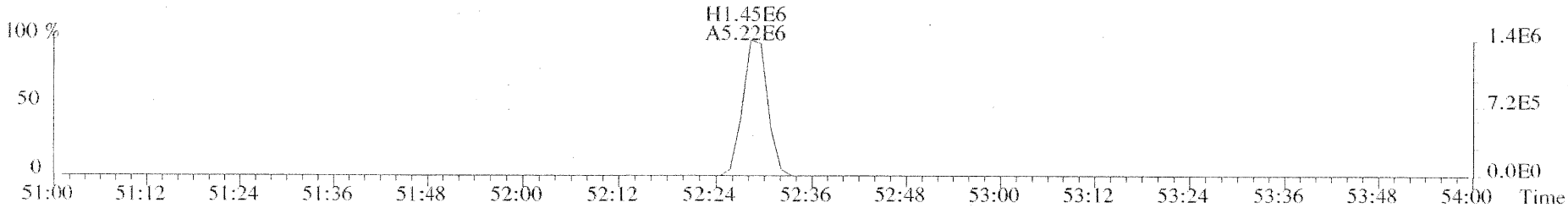
File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-MB File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 09:28:13 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:05498-001-0001-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: 05498-001-0001-OPR

Matrix (aqueous/solid/leachate): Tissue OPR Data Filename: 07NOV20Z Sam:2

Ext. Date: 10/26/20 Shift: Day Analysis Date: 7-NOV-20 08:29:52

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	49.4	30.0 - 67.5
PCB-3	50	48.5	30.0 - 67.5
PCB-4	50	57.7	30.0 - 67.5
PCB-15	50	45.3	30.0 - 67.5
PCB-19	50	47.5	30.0 - 67.5
PCB-37	50	47.8	30.0 - 67.5
PCB-54	50	49.2	30.0 - 67.5
PCB-77	50	48.9	30.0 - 67.5
PCB-81	50	44.8	30.0 - 67.5
PCB-104	50	50.4	30.0 - 67.5
PCB-105	50	44.9	30.0 - 67.5
PCB-114	50	44.9	30.0 - 67.5
PCB-118	50	51.8	30.0 - 67.5
PCB-123	50	48.7	30.0 - 67.5
PCB-126	50	46.3	30.0 - 67.5
PCB-155	50	49.4	30.0 - 67.5
PCB-156	50	47.5	30.0 - 67.5
PCB-157	50	46.7	30.0 - 67.5
PCB-167	50	49.3	30.0 - 67.5
PCB-169	50	50.3	30.0 - 67.5
PCB-188	50	50.5	30.0 - 67.5
PCB-189	50	50.4	30.0 - 67.5
PCB-202	50	54.1	30.0 - 67.5
PCB-205	50	48.8	30.0 - 67.5
PCB-206	50	50.9	30.0 - 67.5
PCB-208	50	49.7	30.0 - 67.5
PCB-209	50	49.7	30.0 - 67.5

Analyst: [signature] Date: 11/9/20

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05498-001-0001-OPR

Matrix (aqueous/solid/leachate): Tissue OPR Data Filename: 07NOV20Z Sam:2

Ext. Date: 10/26/20 Shift: Day Analysis Date: 7-NOV-20 08:29:52

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	73.7	15.0 - 145
13C-PCB-3	100	86.3	15.0 - 145
13C-PCB-4	100	81.7	15.0 - 145
13C-PCB-15	100	94.9	15.0 - 145
13C-PCB-19	100	93.6	15.0 - 145
13C-PCB-37	100	92.4	15.0 - 145
13C-PCB-54	100	92.4	15.0 - 145
13C-PCB-77	100	94.6	40.0 - 145
13C-PCB-81	100	93.6	40.0 - 145
13C-PCB-104	100	104	40.0 - 145
13C-PCB-105	100	91.3	40.0 - 145
13C-PCB-114	100	91.5	40.0 - 145
13C-PCB-118	100	88.6	40.0 - 145
13C-PCB-123	100	94.0	40.0 - 145
13C-PCB-126	100	93.3	40.0 - 145
13C-PCB-155	100	106	40.0 - 145
13C-PCB-156	100	99.4	40.0 - 145
13C-PCB-157	100	98.8	40.0 - 145
13C-PCB-167	100	95.7	40.0 - 145
13C-PCB-169	100	103	40.0 - 145
13C-PCB-188	100	98.9	40.0 - 145
13C-PCB-189	100	108	40.0 - 145
13C-PCB-202	100	97.7	40.0 - 145
13C-PCB-205	100	97.2	40.0 - 145
13C-PCB-206	100	92.7	40.0 - 145
13C-PCB-208	100	95.1	40.0 - 145
13C-PCB-209	100	98.1	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	102	15.0 - 145
13C-PCB-111	100	95.1	40.0 - 145
13C-PCB-178	100	102	40.0 - 145

Analyst: [signature] Date: 11/9/20

FAL ID: 05498-001-0001-OPR Filename: 07NOV20Z Sam:2 Acquired: 7-NOV-20 08:29:52 ICal: DAILY209FAL4-11-7-20
Client ID: OPR ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13371-12 GC Column: DB1MS Amount: 1.000

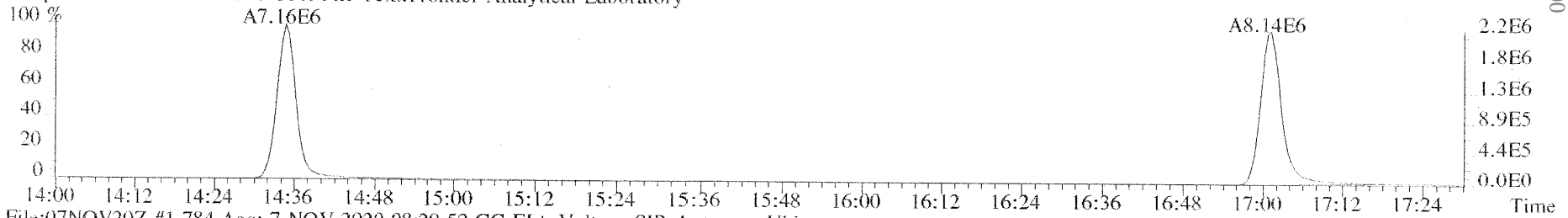
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	9.40e+06	3.19 y	14:35	1.37	49.4		2.50	-	-	*	
13C-PCB-1	1.39e+07	3.17 y	14:34	0.71	73.7		2.50				73.7
PCB-3	1.07e+07	3.19 y	17:01	1.40	48.5		2.50	-	-	*	
13C-PCB-3	1.58e+07	3.24 y	17:00	0.69	86.3		2.50				86.3
PCB-4	8.83e+06	1.37 y	18:16	1.08	57.7		2.50	-	-	*	
13C-PCB-4	1.42e+07	1.60 y	18:14	0.65	81.7		2.50				81.7
PCB-15	1.47e+07	1.47 y	23:47	1.31	45.3		2.50	-	-	*	
13C-PCB-15	2.46e+07	1.58 y	23:46	0.98	94.9		2.50				94.9
PCB-19	6.09e+06	1.09 y	22:09	1.34	47.5		2.50	-	-	*	
13C-PCB-19	9.54e+06	1.08 y	22:07	0.38	93.6		2.50				93.6
13C-PCB-9	2.66e+07	1.61 y	19:55	-	55.7		2.50				
PCB-37	1.26e+07	1.05 y	30:25	1.28	47.8		2.50	-	-	*	
13C-PCB-37	2.06e+07	1.05 y	30:24	1.76	92.4		2.50				92.4
PCB-54	9.52e+06	0.79 y	25:40	1.37	49.2		2.50	-	-	*	
13C-PCB-54	1.42e+07	0.81 y	25:39	1.21	92.4		2.50				92.4
PCB-104	6.30e+06	1.56 y	30:06	1.22	50.4		2.50	-	-	*	
13C-PCB-104	1.03e+07	1.59 y	30:05	0.78	104		2.50				104
13C-PCB-28	2.83e+07	1.03 y	26:44	2.19	102		2.50				102
13C-PCB-52	1.27e+07	0.81 y	28:59	-	58.6		2.50				
PCB-81	1.13e+07	0.80 y	36:10	1.33	44.8		2.50	-	-	*	
13C-PCB-81	1.89e+07	0.80 y	36:09	1.84	93.6		2.50				93.6
PCB-77	1.13e+07	0.78 y	36:44	1.17	48.9		2.50	-	-	*	
13C-PCB-77	1.97e+07	0.80 y	36:43	1.89	94.6		2.50				94.6
PCB-155	6.81e+06	1.26 y	34:15	1.16	49.4		2.50	-	-	*	
13C-PCB-155	1.19e+07	1.28 y	34:13	1.02	106		2.50				106
13C-PCB-111	1.37e+07	1.60 y	36:19	1.31	95.1		2.50				95.1
13C-PCB-101	1.10e+07	1.61 y	34:40	-	59.5		2.50				
PCB-123	1.03e+07	1.61 y	38:21	1.21	48.7		2.50	-	-	*	
13C-PCB-123	1.75e+07	1.57 y	38:21	1.42	94.0		2.50				94.0
PCB-118	1.11e+07	1.64 y	38:33	1.21	51.8		2.50	-	-	*	
13C-PCB-118	1.78e+07	1.63 y	38:31	1.54	88.6		2.50				88.6
PCB-114	1.01e+07	1.63 y	39:09	1.30	44.9		2.50	-	-	*	
13C-PCB-114	1.74e+07	1.58 y	39:07	1.46	91.5		2.50				91.5
PCB-105	1.02e+07	1.62 y	39:58	1.31	44.9		2.50	-	-	*	
13C-PCB-105	1.73e+07	1.59 y	39:57	1.45	91.3		2.50				91.3
PCB-126	9.46e+06	1.58 y	42:05	1.28	46.3		2.50	-	-	*	
13C-PCB-126	1.60e+07	1.63 y	42:03	1.31	93.3		2.50				93.3
PCB-167	8.72e+06	1.25 y	43:27	1.24	49.3		2.50	-	-	*	
13C-PCB-167	1.43e+07	1.31 y	43:26	1.14	95.7		2.50				95.7
PCB-156	8.85e+06	1.28 y	44:40	1.30	47.5		2.50	-	-	*	
13C-PCB-156	1.43e+07	1.28 y	44:40	1.10	99.4		2.50				99.4
PCB-157	8.81e+06	1.25 y	44:56	1.27	46.7		2.50	-	-	*	
13C-PCB-157	1.49e+07	1.30 y	44:55	1.16	98.8		2.50				98.8
PCB-169	8.73e+06	1.26 y	46:47	1.21	50.3		2.50	-	-	*	
13C-PCB-169	1.44e+07	1.29 y	46:47	1.07	103		2.50				103
PCB-188	7.18e+06	1.06 y	39:45	1.19	50.5		2.50	-	-	*	
13C-PCB-188	1.19e+07	1.09 y	39:43	0.92	98.9		2.50				98.9
PCB-189	6.58e+06	1.05 y	48:27	1.15	50.4		2.50	-	-	*	
13C-PCB-189	1.13e+07	1.07 y	48:27	0.80	108		2.50				108
PCB-202	4.93e+06	0.92 y	44:51	1.11	54.1		2.50	-	-	*	
13C-PCB-202	8.22e+06	0.90 y	44:50	0.64	97.7		2.50				97.7
13C-PCB-178	8.97e+06	1.05 y	42:21	0.67	102		2.50				102
13C-PCB-138	1.31e+07	1.28 y	41:34	-	62.3		2.50				

FAL ID: 05498-001-0001-OPR Filename: 07NOV20Z Sam:2 Acquired: 7-NOV-20 08:29:52 ICal: DAILY209FAL4-11-7-20 2 of 2
Client ID: OPR ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13371-12 GC Column: DB1MS Amount: 1.000

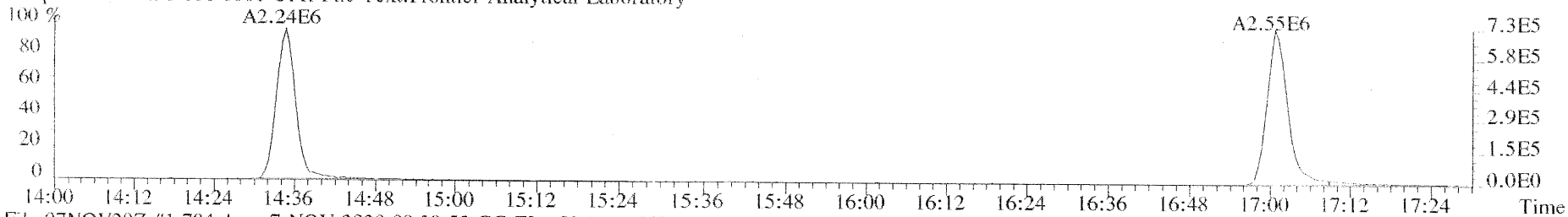
PCB-205	1.03e+07	0.90 y	50:07	1.18	48.8	2.50	-	-	*	
13C-PCB-205	1.80e+07	0.90 y	50:06	1.24	97.2	2.50				97.2
PCB-208	8.69e+06	1.35 y	49:10	1.11	49.7	2.50	-	-	*	
13C-PCB-208	1.58e+07	0.80 y	49:10	1.12	95.1	2.50				95.1
PCB-206	6.71e+06	1.35 y	51:19	1.13	50.9	2.50	-	-	*	
13C-PCB-206	1.16e+07	0.81 y	51:18	0.84	92.7	2.50				92.7
PCB-209	7.34e+06	1.19 y	52:31	1.24	49.7	2.50	-	-	*	
13C-PCB-209	1.19e+07	1.21 y	52:29	0.81	98.1	2.50				98.1
13C-PCB-194	1.49e+07	0.91 y	49:50	-	67.8	2.50				

Analyst: _____ Date: 11/9/20

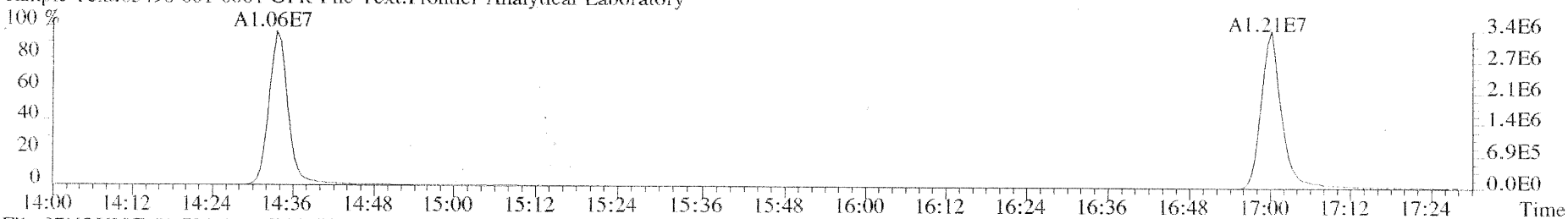
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



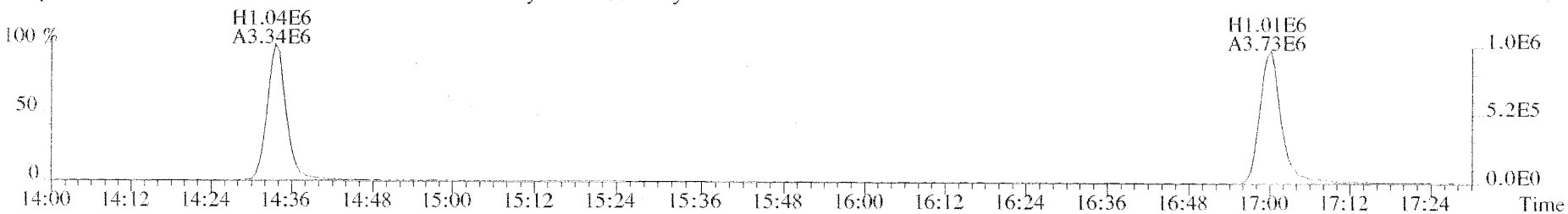
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



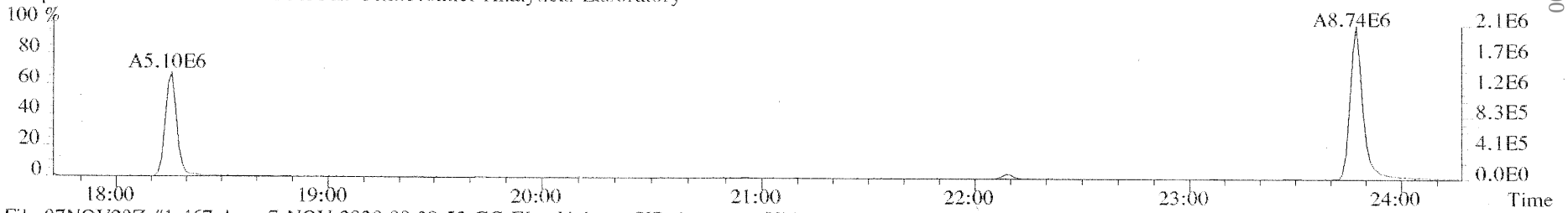
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



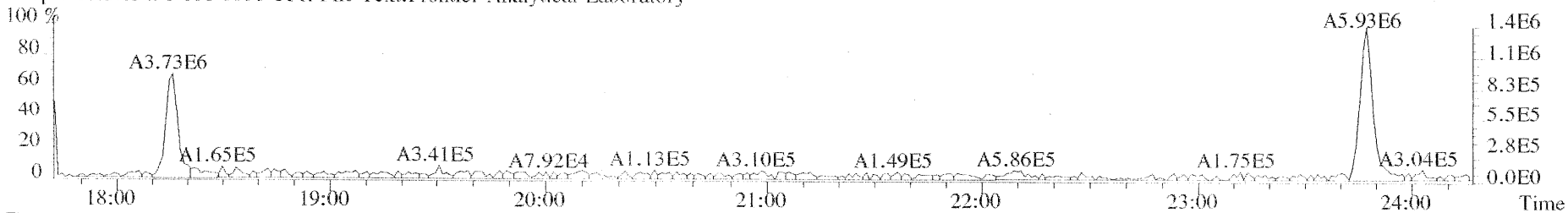
File:07NOV20Z #1-784 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



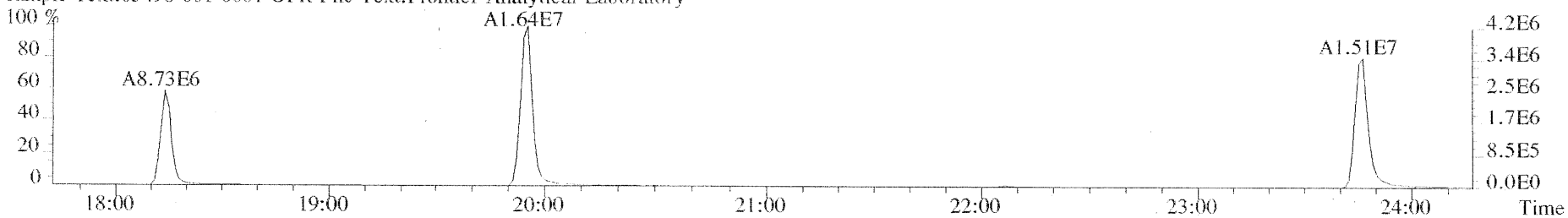
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



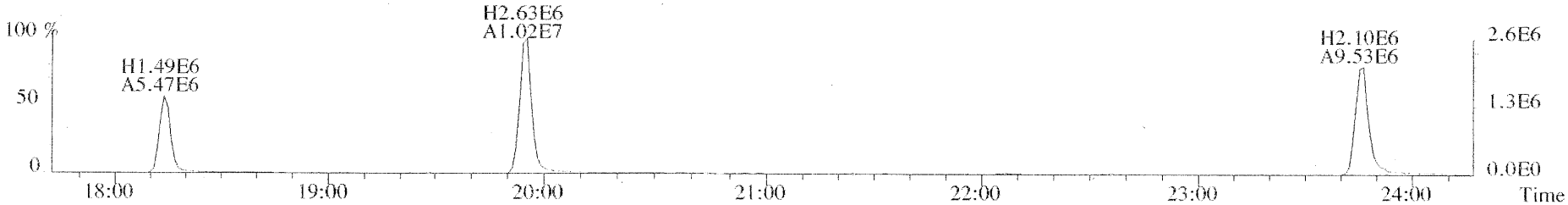
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



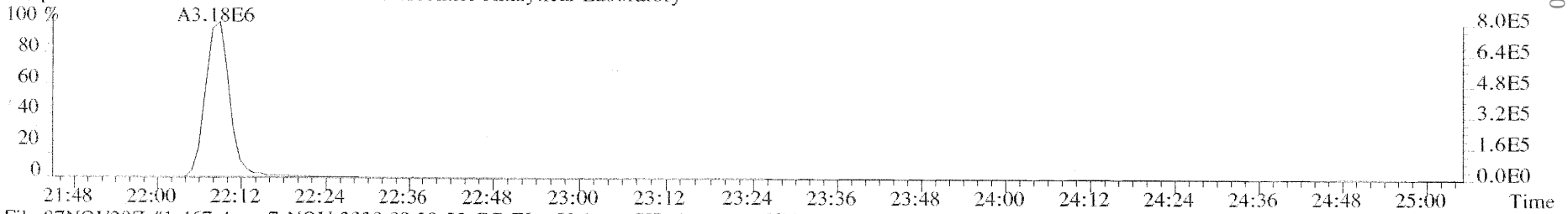
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



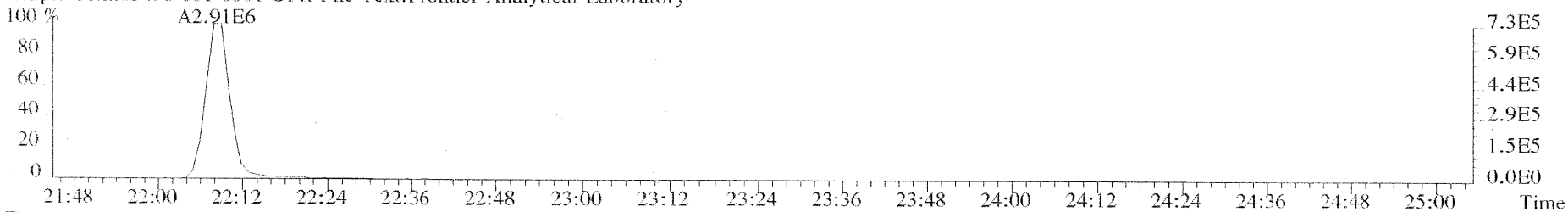
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



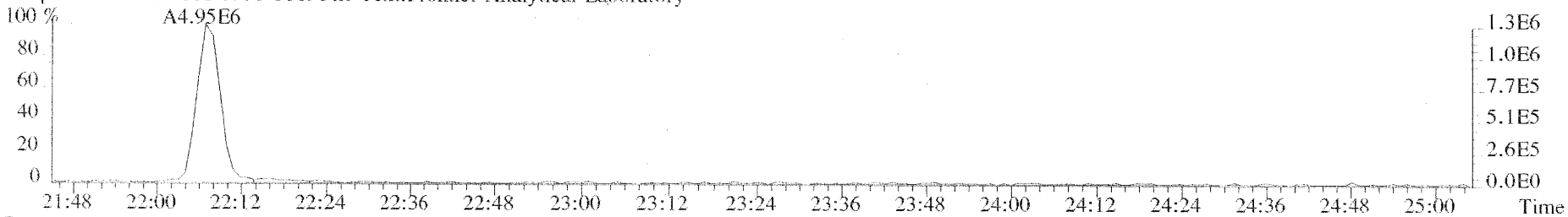
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



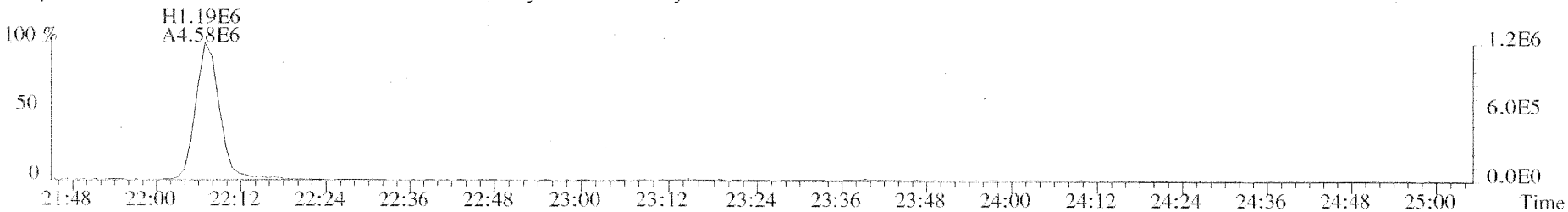
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



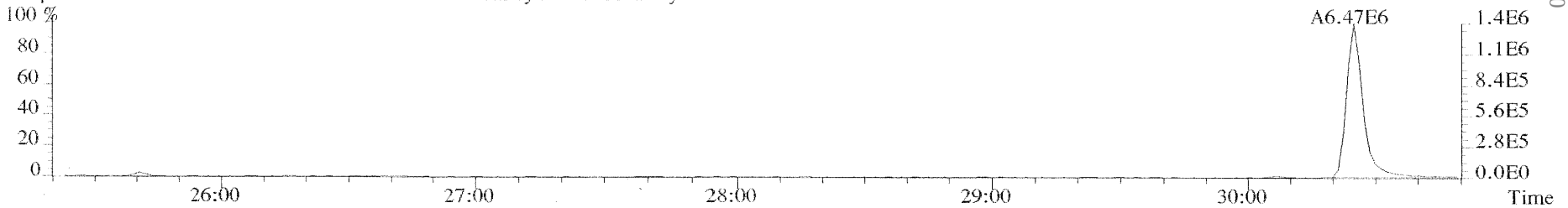
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



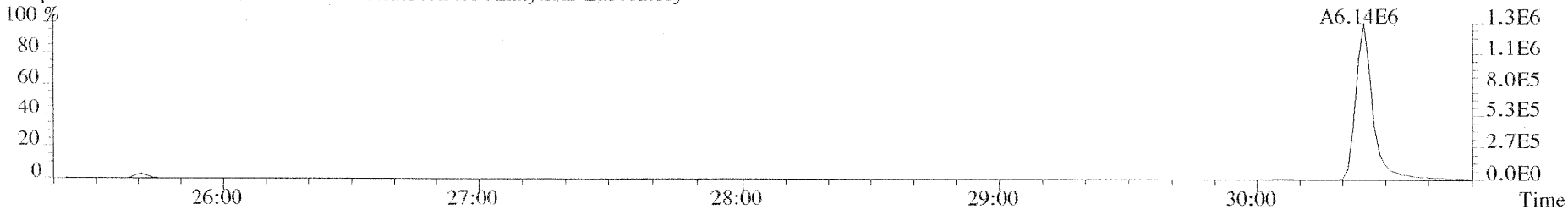
File:07NOV20Z #1-467 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



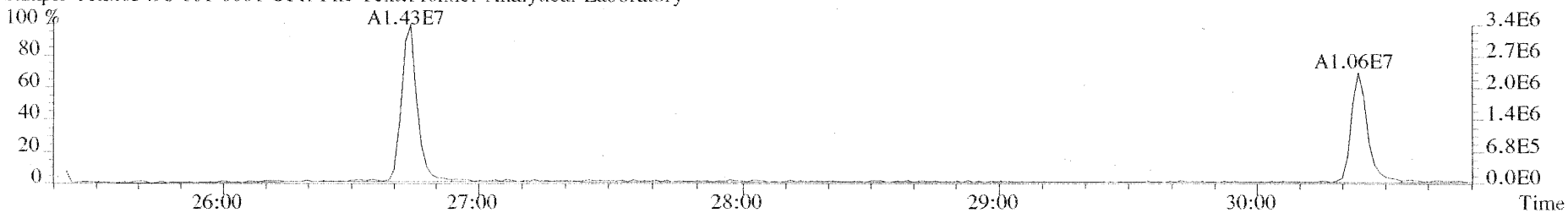
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



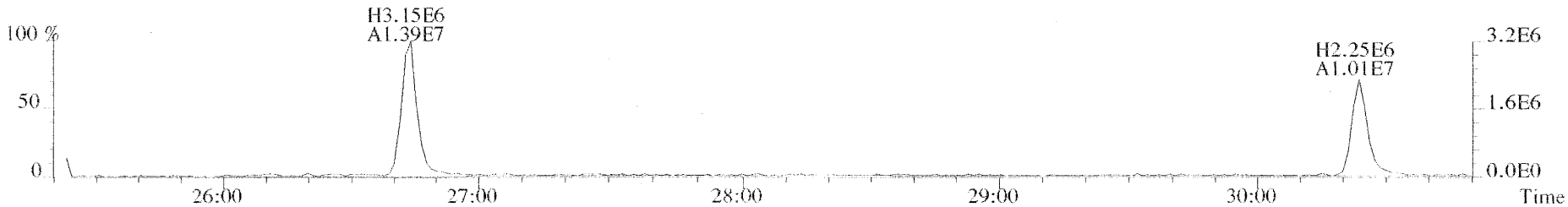
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



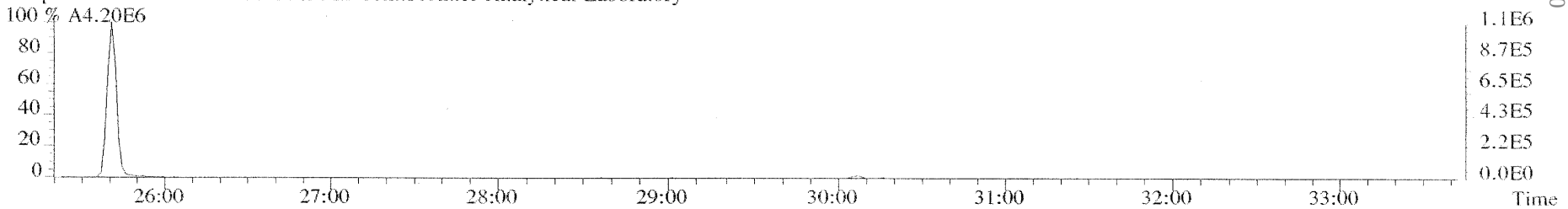
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



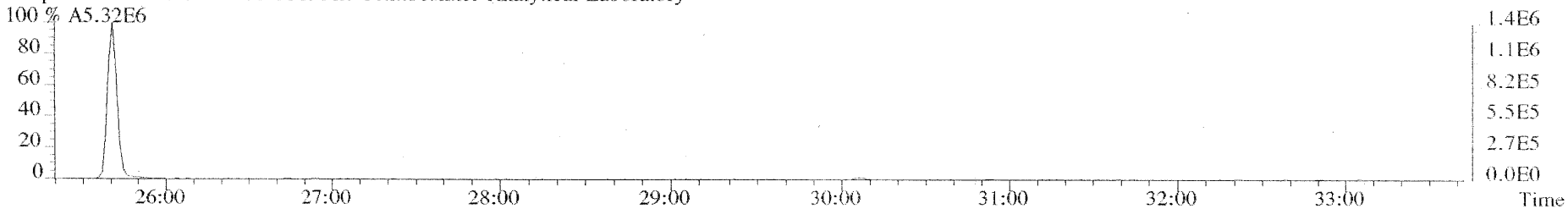
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



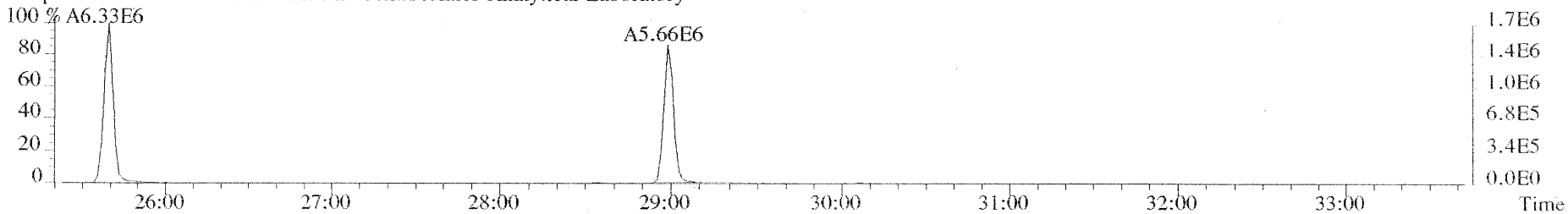
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



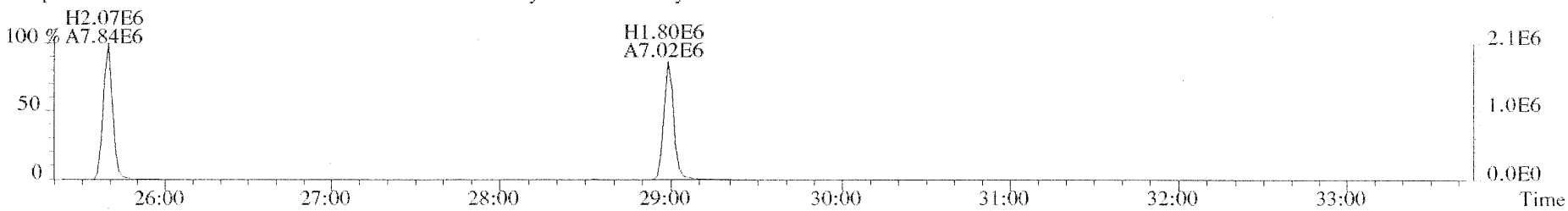
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



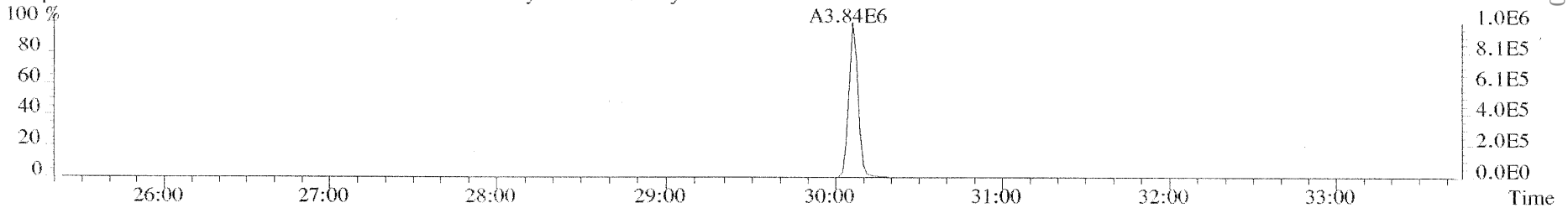
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



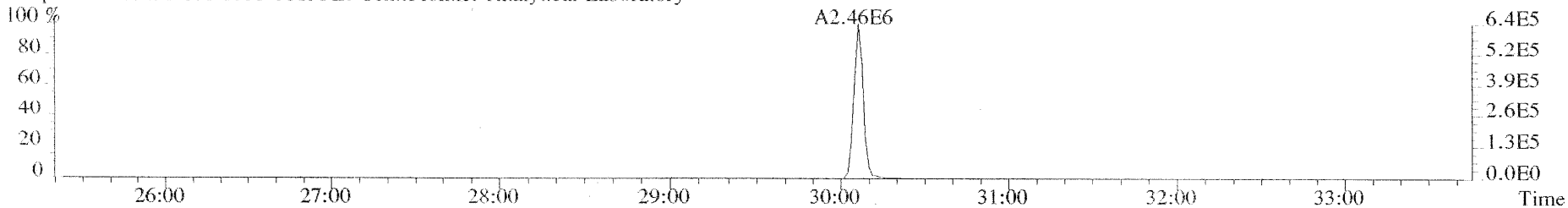
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



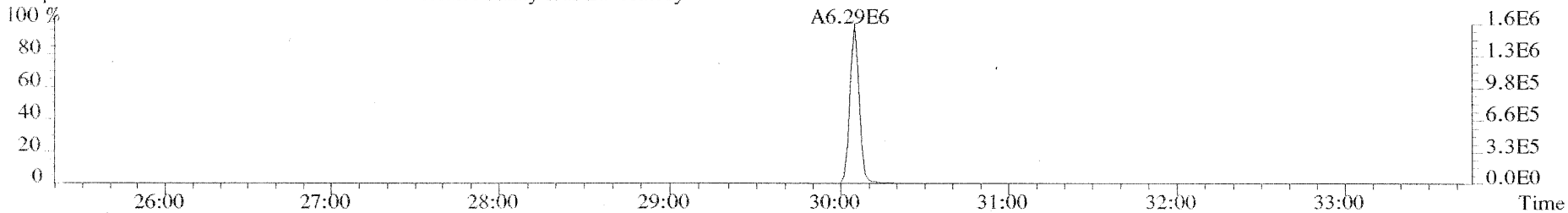
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



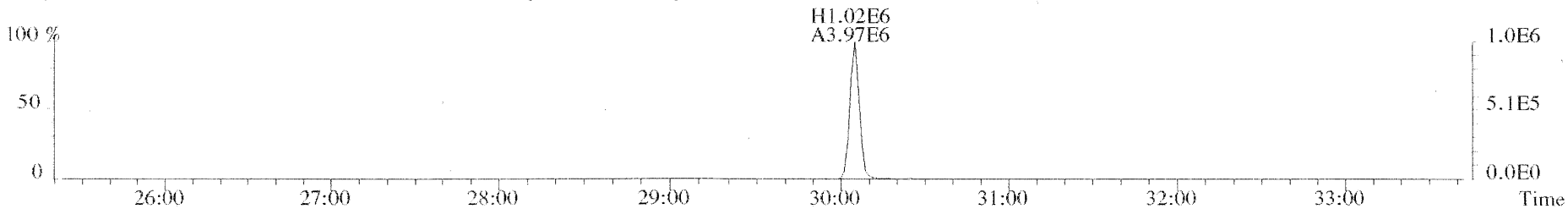
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



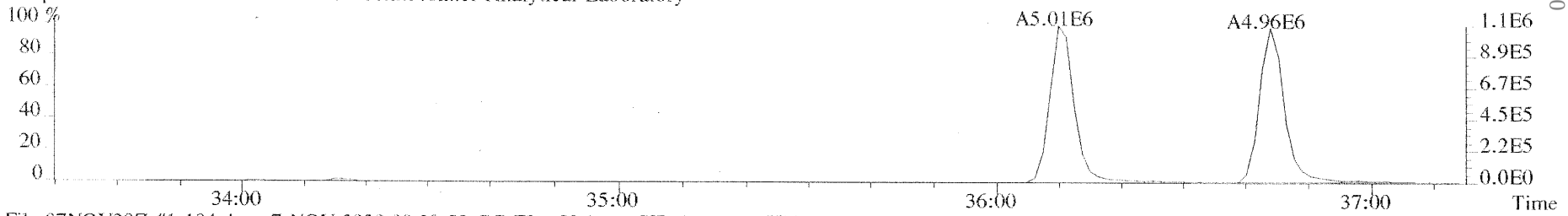
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



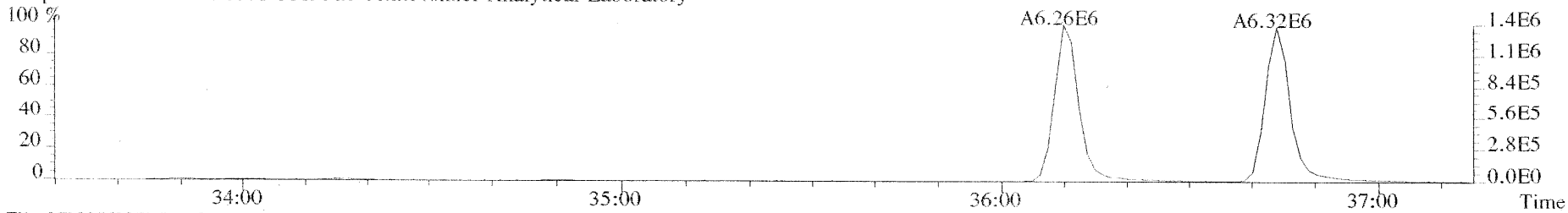
File:07NOV20Z #1-396 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



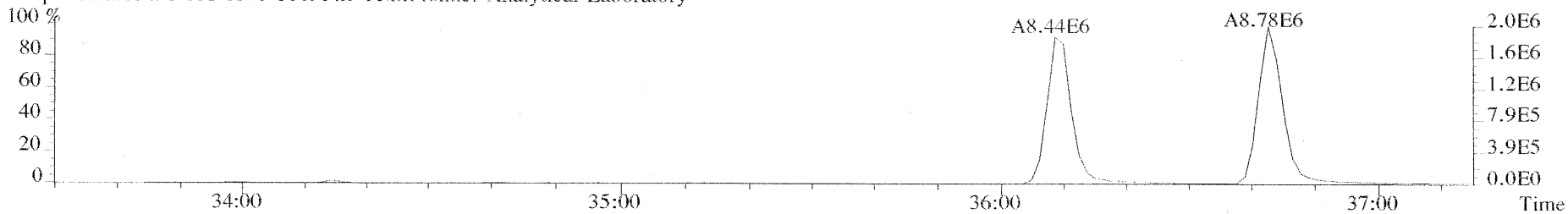
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



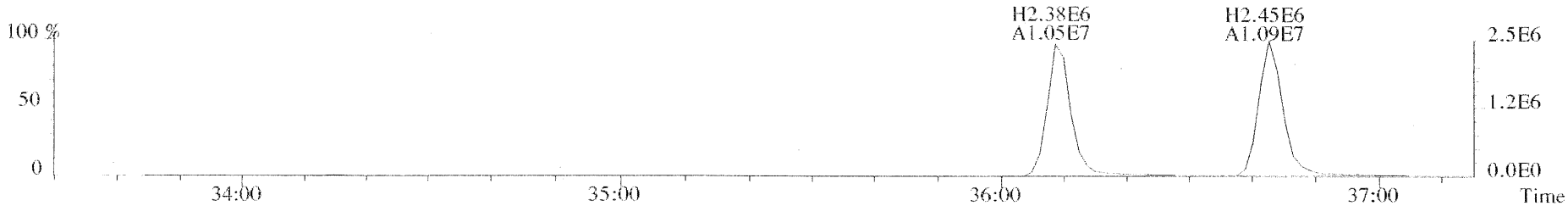
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



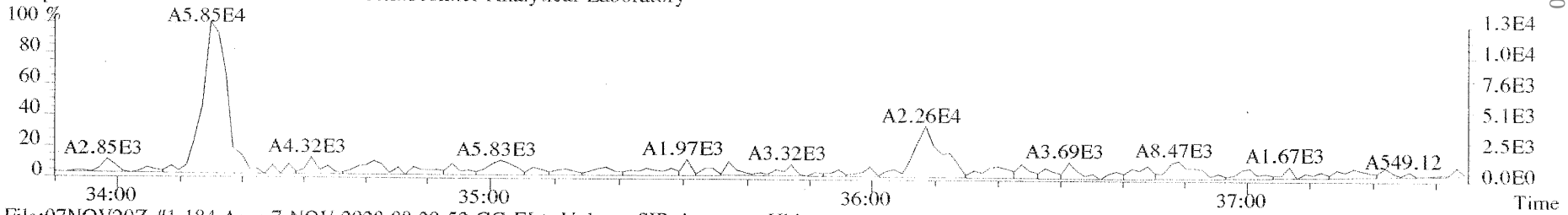
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



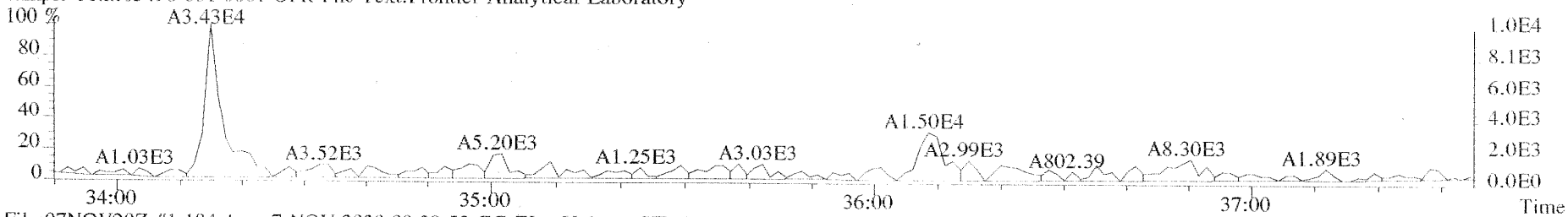
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



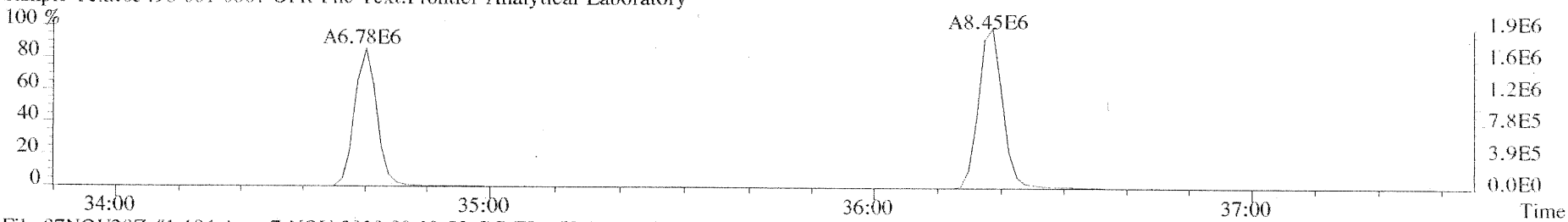
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



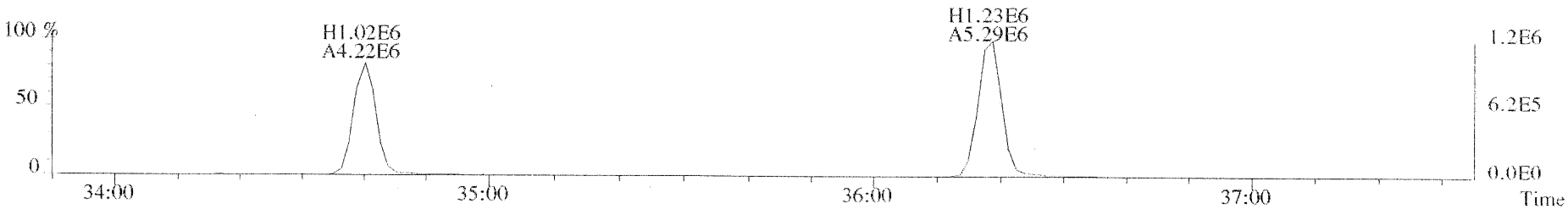
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



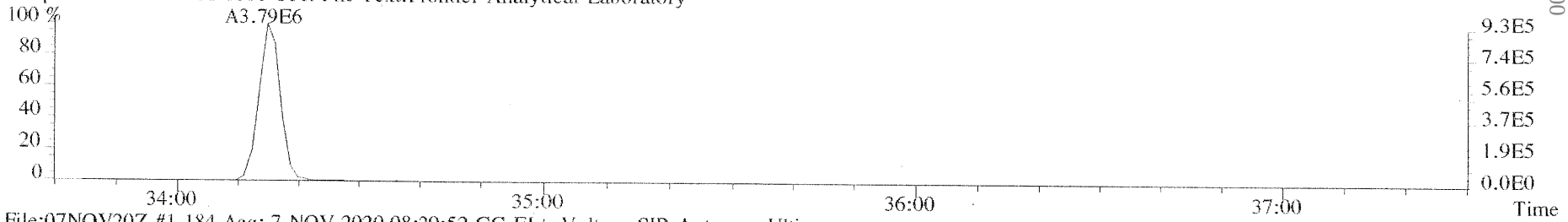
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



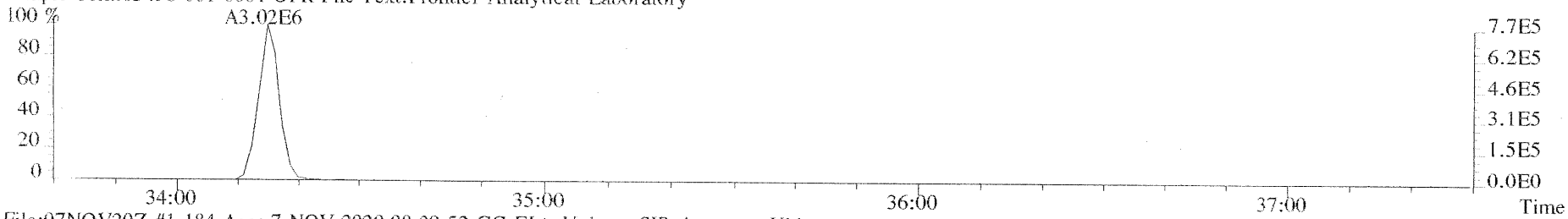
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



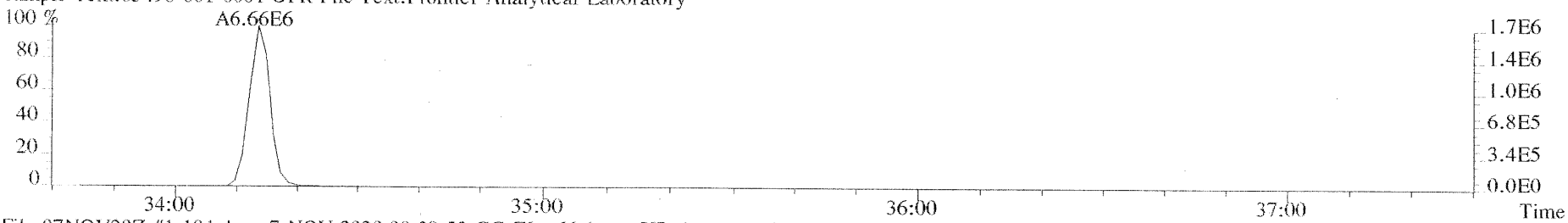
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



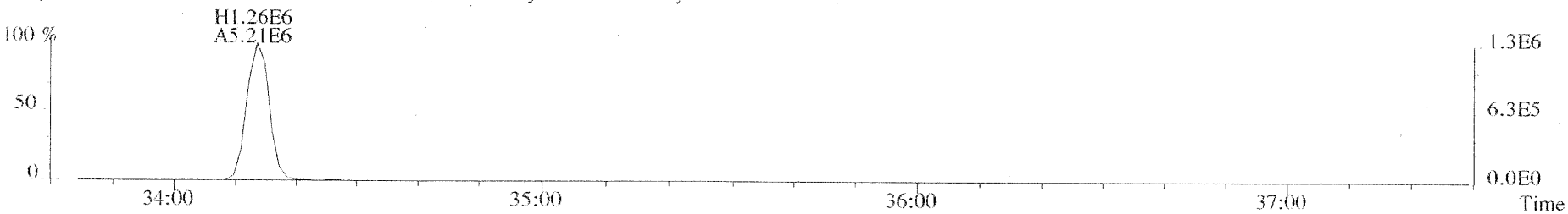
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



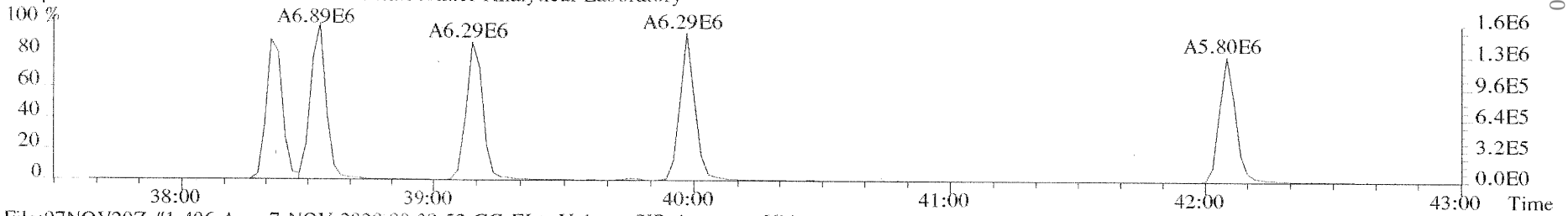
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



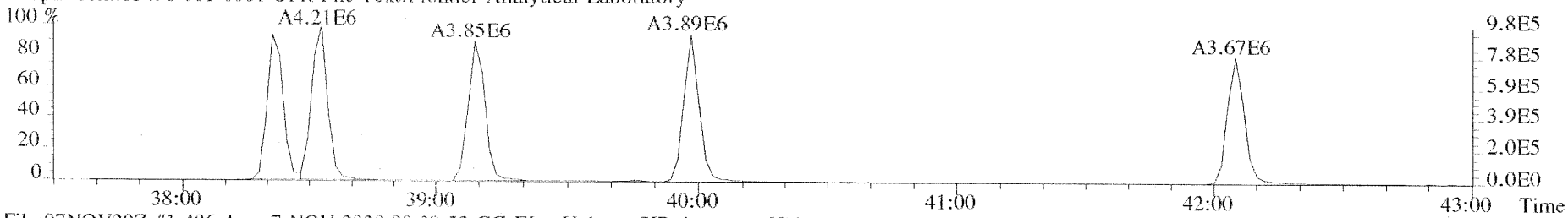
File:07NOV20Z #1-184 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



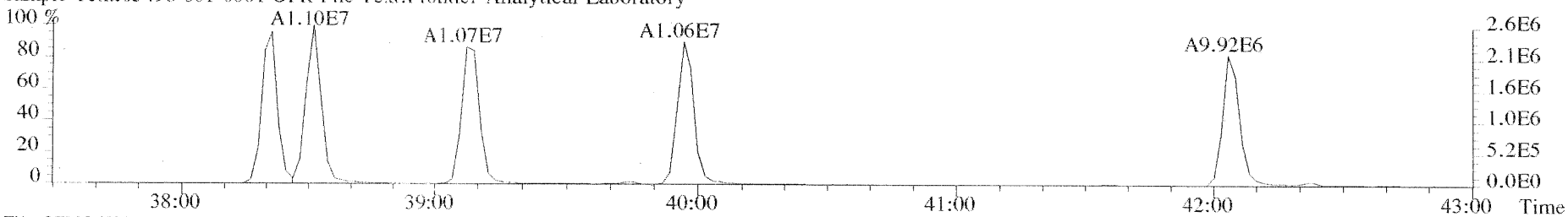
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



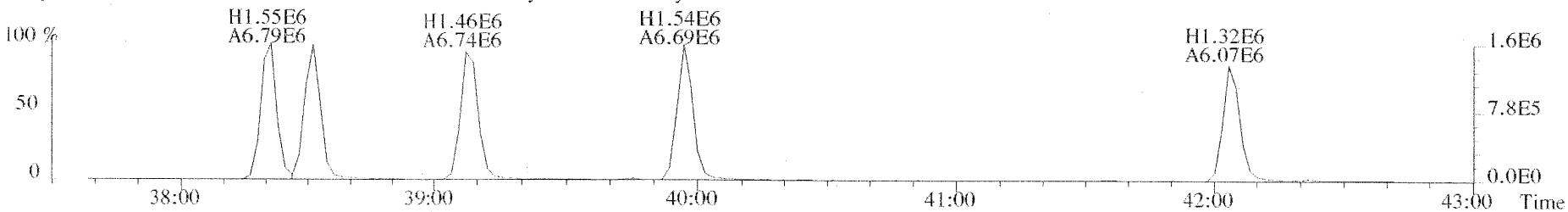
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



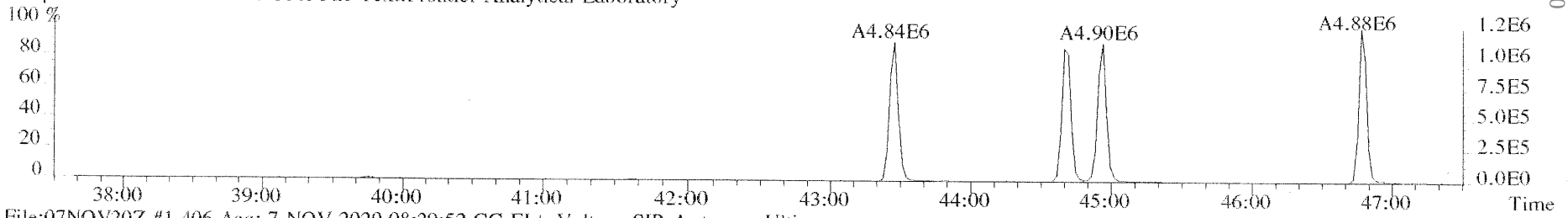
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



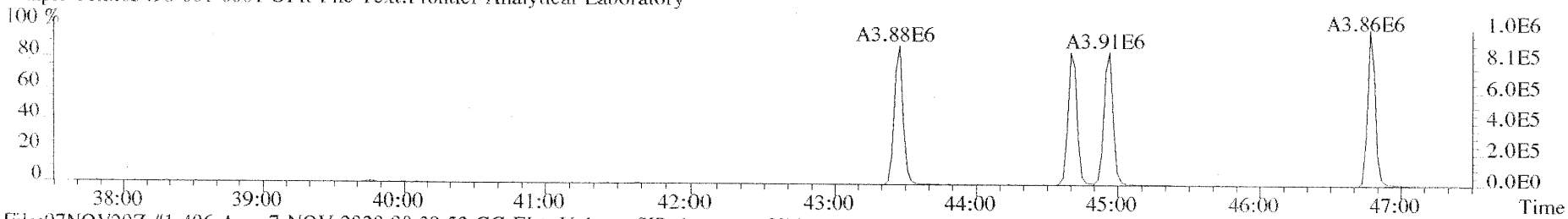
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



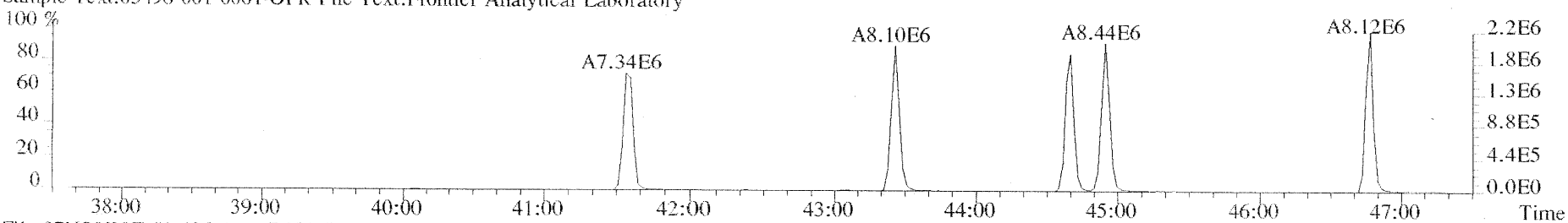
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



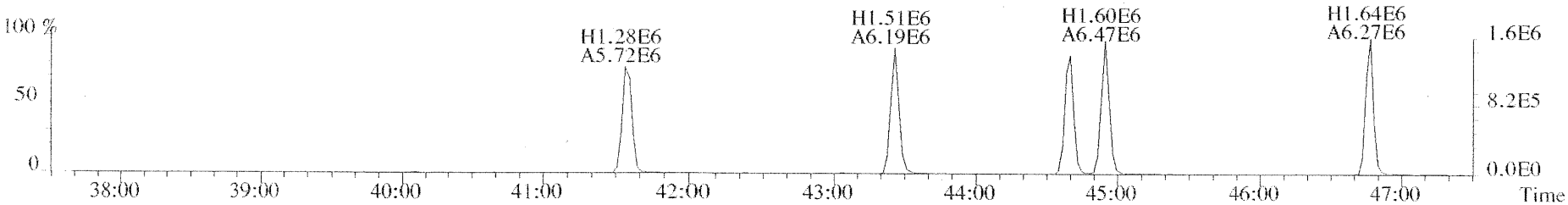
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



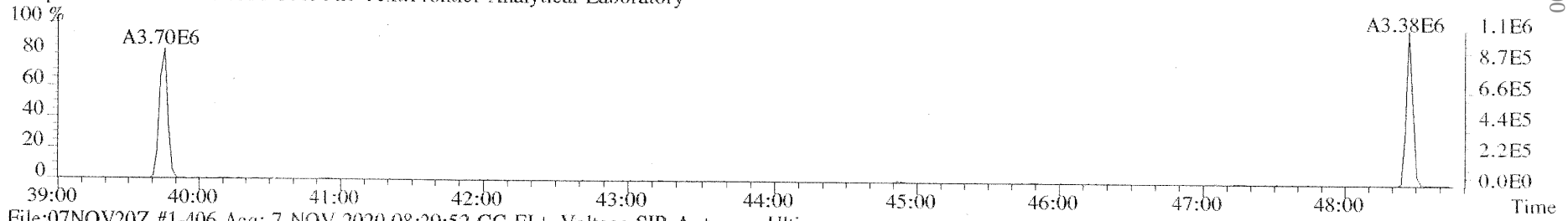
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



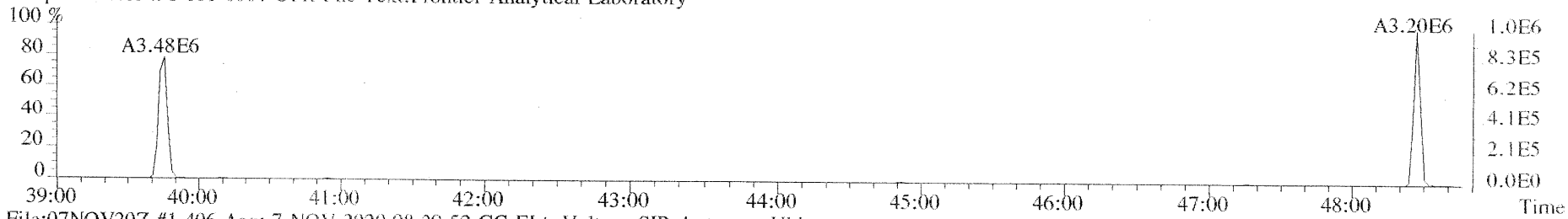
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



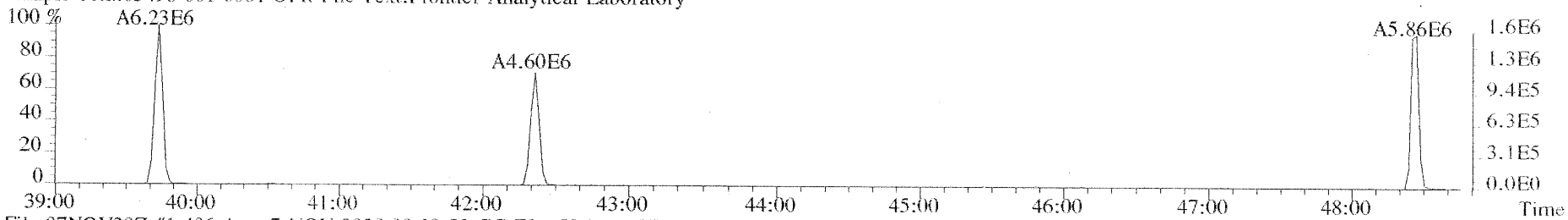
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



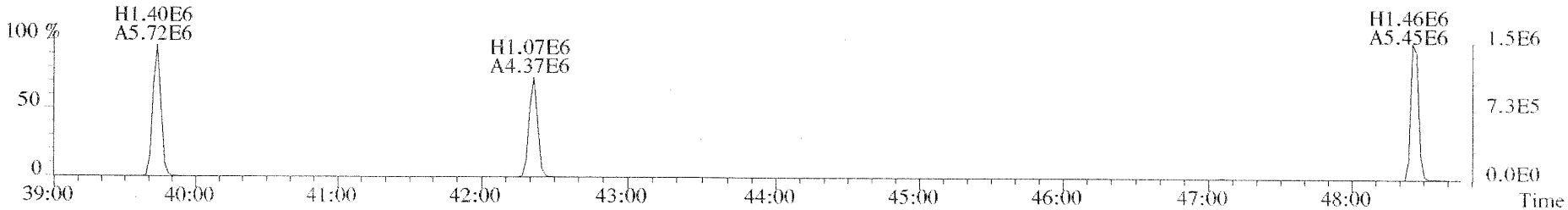
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



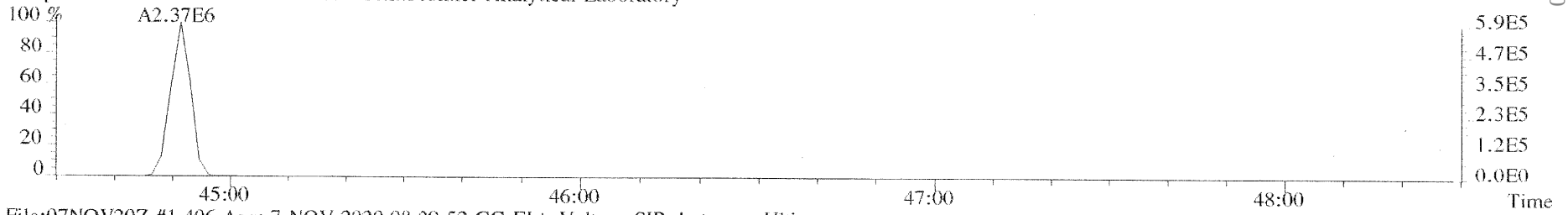
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



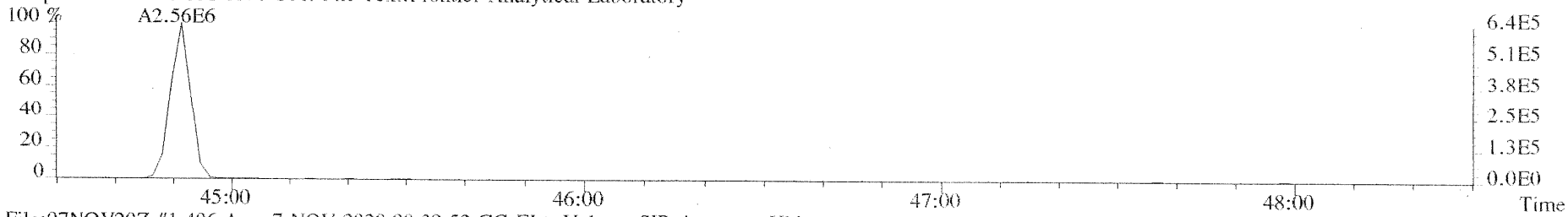
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



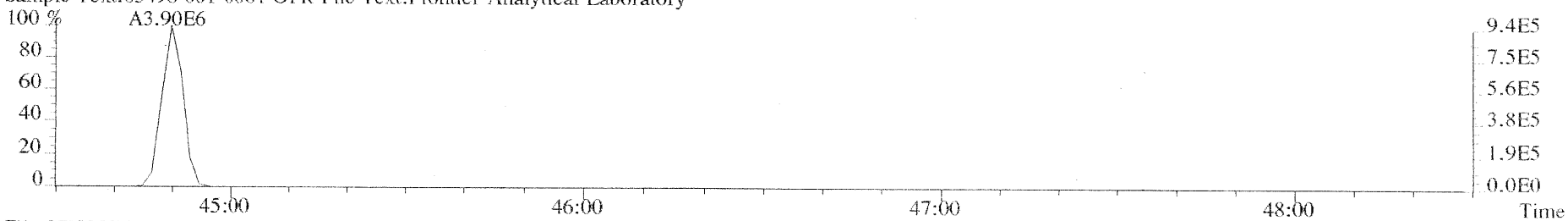
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



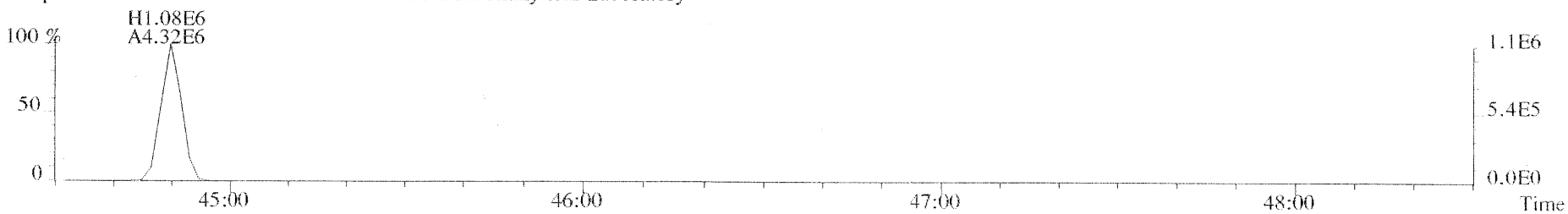
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



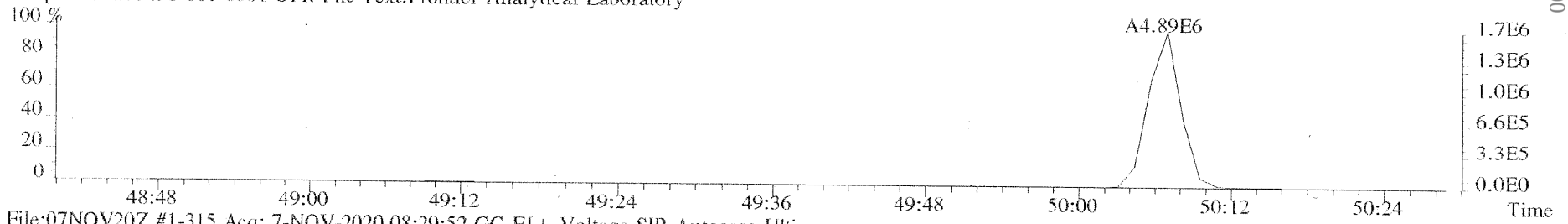
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



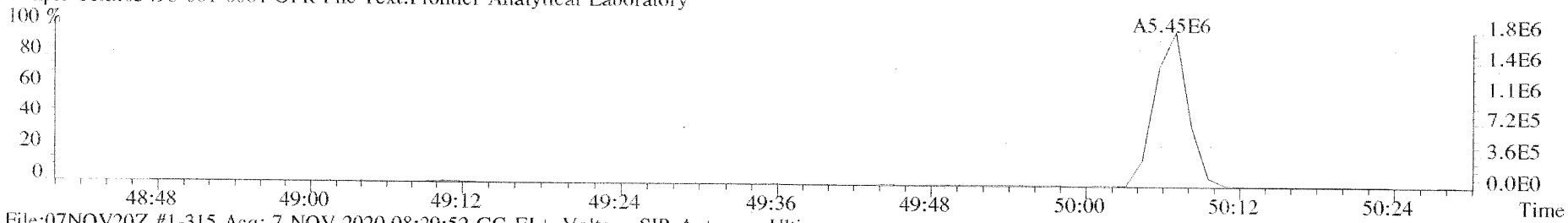
File:07NOV20Z #1-406 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



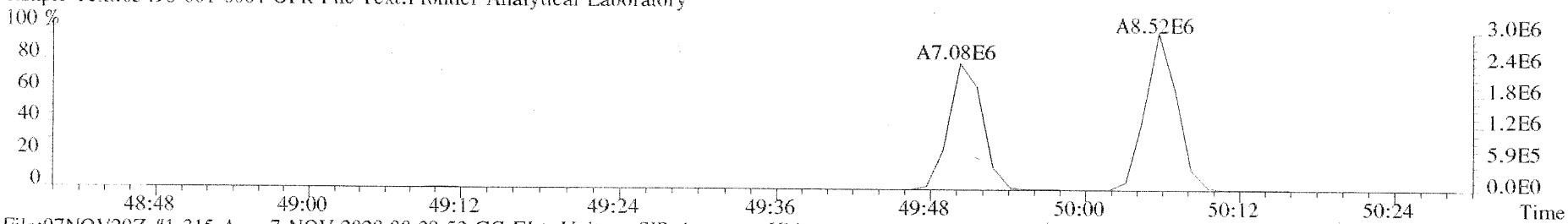
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



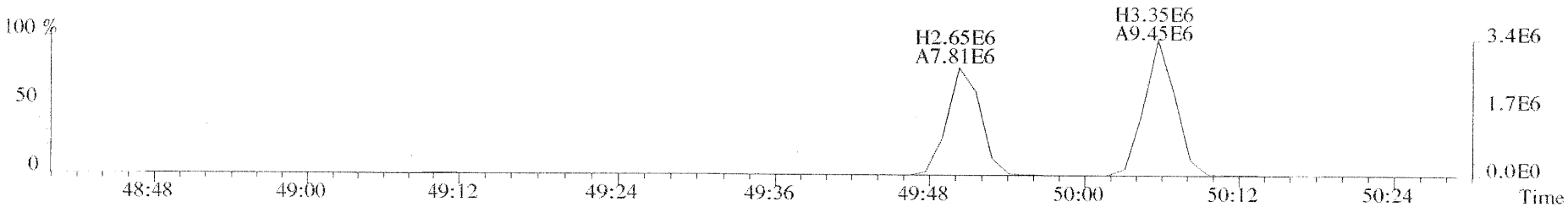
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



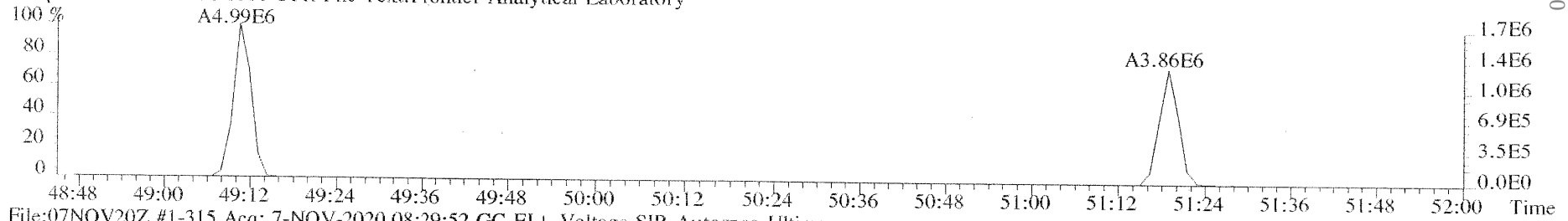
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



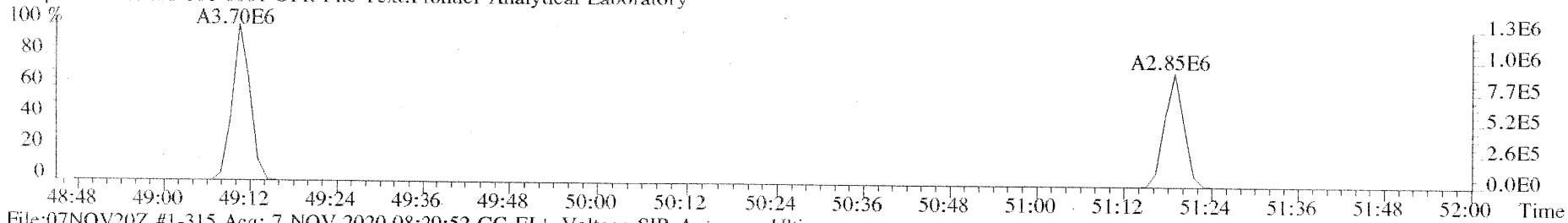
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



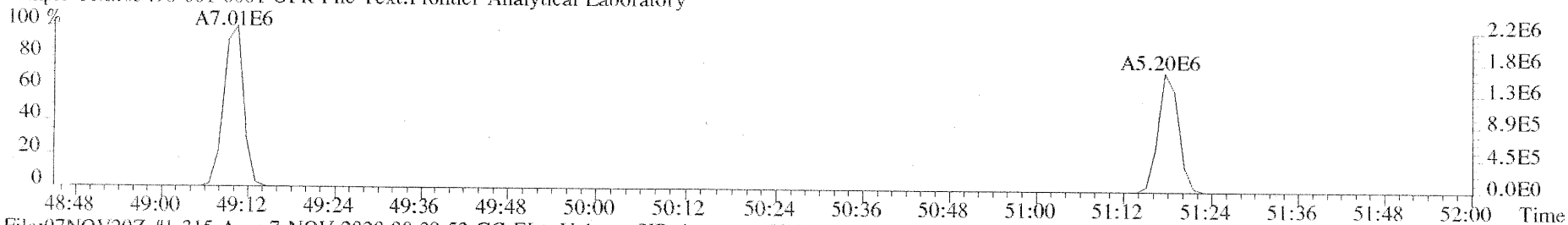
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



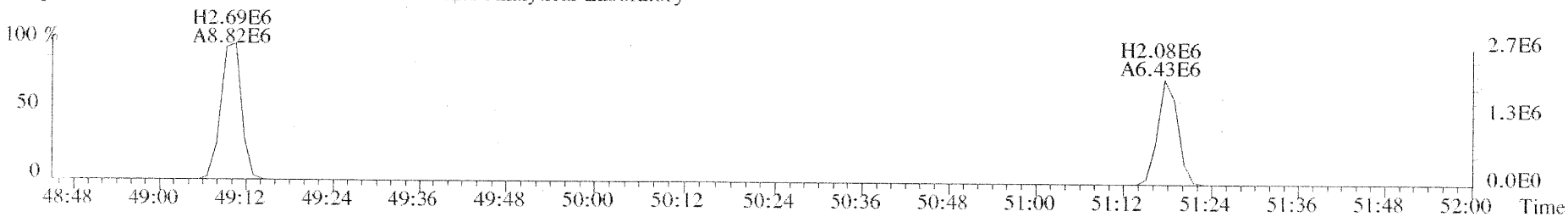
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



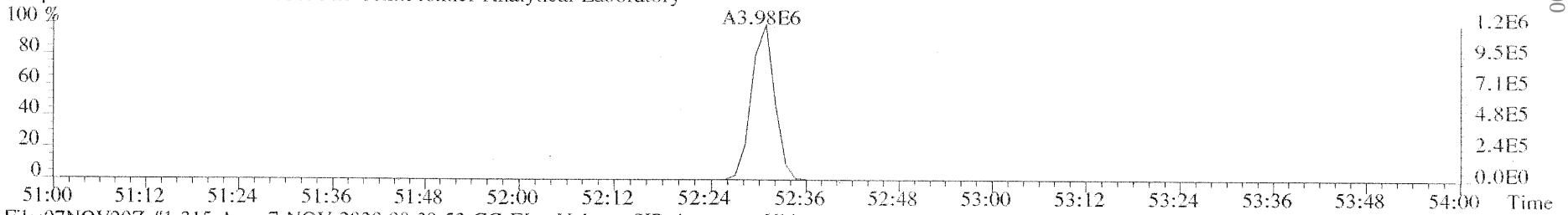
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



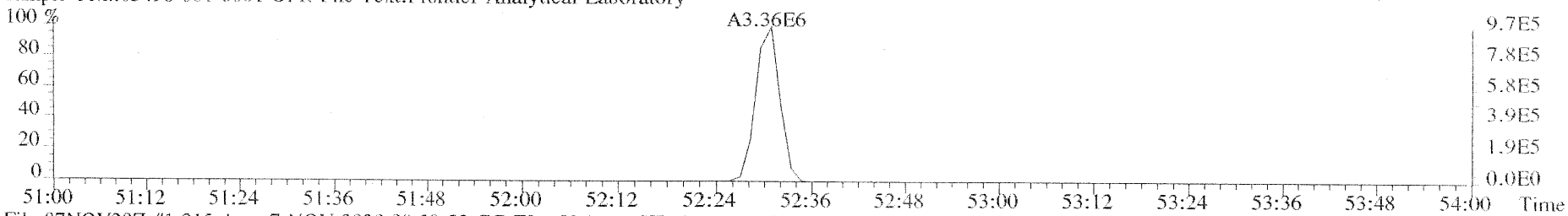
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



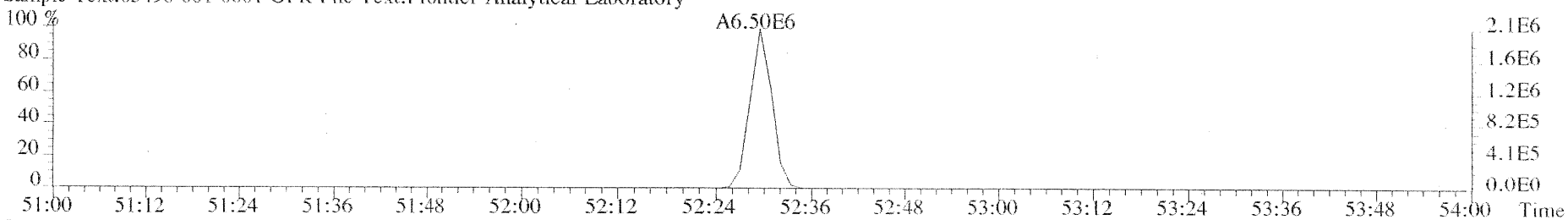
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



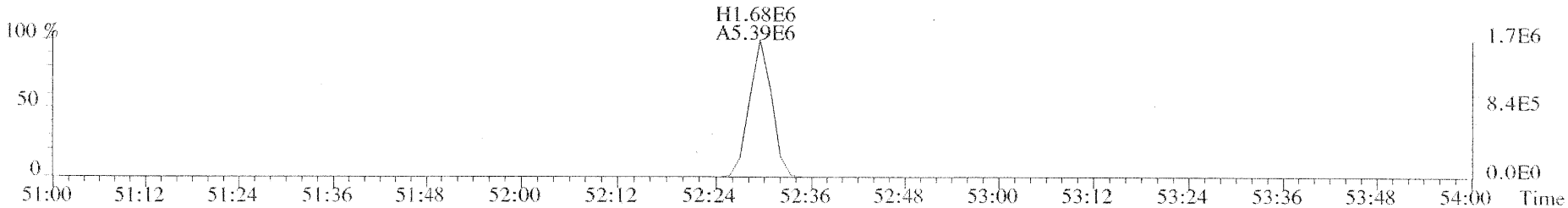
File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 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:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-315 Acq: 7-NOV-2020 08:29:52 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:05498-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 05499-001-0001-MB Filename: 09NOV20Z Sam:3 Acquired: 9-NOV-20 13:58:55 ICal: DAILY209FAL4-11-9-20
Client ID: Method Blank ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13383-7 GC Column: DB1MS Amount: 10.00

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.29	*		1060	912	0.390			
13C-PCB-1	2.67e+07	3.21 y	14:33	0.83	760					76.0	7.45e+06	2.31e+06
PCB-2	*	* n	NotFnd	1.28	*		1060	912	0.384			
PCB-3	*	* n	NotFnd	1.26	*		1060	912	0.383			
13C-PCB-3	3.02e+07	3.25 y	16:60	0.80	892					89.2	7.81e+06	2.38e+06
PCB-4	*	* n	NotFnd	1.09	*		621	3210	1.21			
PCB-10	*	* n	NotFnd	1.50	*		621	3210	0.572			
13C-PCB-4	2.32e+07	1.59 y	18:14	0.66	834					83.4	4.46e+06	2.81e+06
PCB-9	*	* n	NotFnd	1.41	*		621	3210	0.609			
PCB-7	*	* n	NotFnd	1.44	*		621	3210	0.597			
PCB-6	*	* n	NotFnd	1.38	*		621	3210	0.621			
PCB-8	*	* n	NotFnd	1.37	*		621	3210	0.624			
PCB-5	*	* n	NotFnd	1.43	*		621	3210	0.602			
PCB-14	*	* n	NotFnd	1.43	*		621	3210	0.600			
PCB-11	*	* n	NotFnd	1.34	*		3480	3210	1.12			
PCB-13	*	* n	NotFnd	1.32	*		621	3210	0.648			
PCB-12	*	* n	NotFnd	1.35	*		621	3210	0.636			
PCB-15	*	* n	NotFnd	1.20	*		621	3210	0.537			
13C-PCB-15	4.96e+07	1.62 y	23:46	0.99	1190					119	9.22e+06	5.69e+06
PCB-19	*	* n	NotFnd	1.21	*		1230	520	0.683			
PCB-30	*	* n	NotFnd	1.89	*		1230	520	0.435			
PCB-18	*	* n	NotFnd	1.28	*		1230	520	0.641			
PCB-17	*	* n	NotFnd	1.38	*		1230	520	0.598			
PCB-27	*	* n	NotFnd	1.72	*		1230	520	0.478			
PCB-24	*	* n	NotFnd	1.78	*		1230	520	0.462			
PCB-16	*	* n	NotFnd	1.53	*		1230	520	0.536			
PCB-32	*	* n	NotFnd	1.60	*		1230	520	0.514			
13C-PCB-19	1.85e+07	1.07 y	22:08	0.46	949					94.9	2.71e+06	2.60e+06
13C-PCB-9	4.23e+07	1.63 y	19:55	-	6.98							
PCB-34	*	* n	NotFnd	1.26	*		1890	664	0.569			
PCB-23	*	* n	NotFnd	1.36	*		1890	664	0.525			
PCB-29	*	* n	NotFnd	1.33	*		1890	664	0.536			
PCB-26	*	* n	NotFnd	1.27	*		1890	664	0.562			
PCB-25	*	* n	NotFnd	1.23	*		1890	664	0.582			
PCB-31	*	* n	NotFnd	1.19	*		1890	664	0.599			
PCB-28	*	* n	NotFnd	1.57	*		1890	664	0.454			
PCB-20	*	* n	NotFnd	1.26	*		1890	664	0.568		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.26	*		1890	664	0.568		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.26	*		1890	664	0.568		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.36	*		1890	664	0.526			
PCB-36	*	* n	NotFnd	1.29	*		1890	664	0.554			
PCB-39	*	* n	NotFnd	1.31	*		1890	664	0.547			
PCB-38	*	* n	NotFnd	1.25	*		1890	664	0.573			
PCB-35	*	* n	NotFnd	1.20	*		1890	664	0.595			
PCB-37	*	* n	NotFnd	1.28	*		1890	664	0.560			
13C-PCB-37	3.39e+07	1.06 y	30:25	1.69	922					92.2	4.62e+06	4.32e+06

PCB-54	*	*	n	NotFnd	1.27	*	944	1230	0.556	
PCB-50	*	*	n	NotFnd	0.97	*	944	1230	0.725	
PCB-53	*	*	n	NotFnd	0.94	*	944	1230	0.749	
PCB-51	*	*	n	NotFnd	0.94	*	944	1230	0.750	
PCB-45	*	*	n	NotFnd	0.81	*	944	1230	0.872	
PCB-46	*	*	n	NotFnd	0.77	*	944	1230	0.919	
PCB-52	*	*	n	NotFnd	1.04	*	944	1230	0.679	Co-elute PCB 69
PCB-69	*	*	n	NotFnd	1.04	*	944	1230	0.679	Co-elute PCB 52
PCB-73	*	*	n	NotFnd	1.12	*	944	1230	0.632	
PCB-43	*	*	n	NotFnd	0.89	*	944	1230	0.791	Co-elute PCB 49
PCB-49	*	*	n	NotFnd	0.89	*	944	1230	0.791	Co-elute PCB 43
PCB-47	*	*	n	NotFnd	0.94	*	944	1230	0.749	
PCB-48	*	*	n	NotFnd	1.16	*	944	1230	0.610	Co-elute PCB 75
PCB-75	*	*	n	NotFnd	1.16	*	944	1230	0.610	Co-elute PCB 48
PCB-65	*	*	n	NotFnd	1.19	*	944	1230	0.595	
PCB-62	*	*	n	NotFnd	1.12	*	944	1230	0.630	
PCB-44	*	*	n	NotFnd	0.75	*	944	1230	0.942	
PCB-42	*	*	n	NotFnd	1.04	*	944	1230	0.679	Co-elute PCB 59
PCB-59	*	*	n	NotFnd	1.04	*	944	1230	0.679	Co-elute PCB 42
PCB-72	*	*	n	NotFnd	1.15	*	944	1230	0.615	Co-elute PCB 41/71/64
PCB-41	*	*	n	NotFnd	1.15	*	944	1230	0.615	Co-elute PCB 72/71/64
PCB-71	*	*	n	NotFnd	1.15	*	944	1230	0.615	Co-elute PCB 72/41/64
PCB-64	*	*	n	NotFnd	1.15	*	944	1230	0.615	Co-elute PCB 72/41/71
PCB-68	*	*	n	NotFnd	1.33	*	944	1230	0.532	
PCB-40	*	*	n	NotFnd	0.72	*	944	1230	0.978	
PCB-57	*	*	n	NotFnd	1.26	*	944	1230	0.561	
PCB-67	*	*	n	NotFnd	1.24	*	944	1230	0.569	
PCB-58	*	*	n	NotFnd	1.26	*	944	1230	0.559	
PCB-63	*	*	n	NotFnd	1.25	*	944	1230	0.565	
PCB-74	*	*	n	NotFnd	1.25	*	944	1230	0.566	
PCB-61	*	*	n	NotFnd	1.14	*	944	1230	0.617	Co-elute PCB 70
PCB-70	*	*	n	NotFnd	1.14	*	944	1230	0.617	Co-elute PCB 61
PCB-76	*	*	n	NotFnd	1.33	*	944	1230	0.531	Co-elute PCB 66
PCB-66	*	*	n	NotFnd	1.33	*	944	1230	0.531	Co-elute PCB 76
PCB-80	*	*	n	NotFnd	1.52	*	944	1230	0.464	
PCB-55	*	*	n	NotFnd	1.30	*	944	1230	0.544	
13C-PCB-54	2.64e+07	0.79	y	25:40	1.29	938				93.8
PCB-104	*	*	n	NotFnd	1.16	*	640	756	0.518	
PCB-96	*	*	n	NotFnd	1.08	*	640	756	0.555	
PCB-103	*	*	n	NotFnd	0.91	*	640	756	0.660	
PCB-100	*	*	n	NotFnd	0.95	*	640	756	0.634	
PCB-94	*	*	n	NotFnd	0.78	*	640	756	0.773	
PCB-98	*	*	n	NotFnd	0.80	*	640	756	0.752	Co-elute PCB 102
PCB-102	*	*	n	NotFnd	0.80	*	640	756	0.752	Co-elute PCB 98
PCB-95	*	*	n	NotFnd	0.89	*	640	756	0.677	
PCB-93	*	*	n	NotFnd	0.86	*	640	756	0.700	
PCB-88	*	*	n	NotFnd	0.91	*	640	756	0.661	Co-elute PCB 91
PCB-91	*	*	n	NotFnd	0.91	*	640	756	0.661	Co-elute PCB 88
PCB-121	*	*	n	NotFnd	1.09	*	640	756	0.552	
13C-PCB-104	2.13e+07	1.58	y	30:07	1.07	920				92.0
13C-PCB-28	4.80e+07	1.08	y	26:45	2.08	1060				106
13C-PCB-52	2.18e+07	0.76	y	29:01	-	6.99				

PCB-56	*	*	n	NotFnd	1.20	*	900	1230	0.600	Co-elute PCB 60
PCB-60	*	*	n	NotFnd	1.20	*	900	1230	0.600	Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.23	*	900	1230	0.582	
PCB-78	*	*	n	NotFnd	1.25	*	900	1230	0.576	
PCB-81	*	*	n	NotFnd	1.31	*	900	1230	0.536	
13C-PCB-81	2.83e+07	0.79	y	36:11	1.53	972				97.2
PCB-77	*	*	n	NotFnd	1.13	*	900	1230	0.651	
13C-PCB-77	2.92e+07	0.80	y	36:45	1.64	940				94.0
PCB-155	*	*	n	NotFnd	1.12	*	992	876	0.699	
PCB-150	*	*	n	NotFnd	1.04	*	992	876	0.754	
PCB-152	*	*	n	NotFnd	1.03	*	992	876	0.762	
PCB-145	*	*	n	NotFnd	1.07	*	992	876	0.731	
PCB-136	*	*	n	NotFnd	1.01	*	992	876	0.782	
PCB-148	*	*	n	NotFnd	0.83	*	992	876	0.952	
PCB-154	*	*	n	NotFnd	0.90	*	992	876	0.872	
13C-PCB-155	2.30e+07	1.29	y	34:17	1.21	1000				100
13C-PCB-111	2.27e+07	1.63	y	36:21	1.31	911				91.1
13C-PCB-101	1.90e+07	1.63	y	34:42	-	6.01				
PCB-84	*	*	n	NotFnd	0.73	*	850	820	0.840	Co-elute PCB 92
PCB-92	*	*	n	NotFnd	0.73	*	850	820	0.840	Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.73	*	850	820	0.845	
PCB-90	*	*	n	NotFnd	0.82	*	850	820	0.746	Co-elute PCB 101
PCB-101	*	*	n	NotFnd	0.82	*	850	820	0.746	Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.90	*	850	820	0.681	
PCB-99	*	*	n	NotFnd	0.92	*	850	820	0.670	
PCB-119	*	*	n	NotFnd	1.00	*	850	820	0.615	
PCB-83	*	*	n	NotFnd	0.83	*	850	820	0.743	Co-elute PCB 112
PCB-112	*	*	n	NotFnd	0.83	*	850	820	0.743	Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*	850	820	0.626	
PCB-97	*	*	n	NotFnd	0.71	*	850	820	0.871	
PCB-86	*	*	n	NotFnd	0.70	*	850	820	0.877	
PCB-125	*	*	n	NotFnd	0.93	*	850	820	0.663	Co-elute PCB 87/117
PCB-87	*	*	n	NotFnd	0.93	*	850	820	0.663	Co-elute PCB 125/117
PCB-117	*	*	n	NotFnd	0.93	*	850	820	0.663	Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	1.08	*	850	820	0.570	Co-elute PCB 115
PCB-115	*	*	n	NotFnd	1.08	*	850	820	0.570	Co-elute PCB 111
PCB-85	*	*	n	NotFnd	0.88	*	850	820	0.697	Co-elute PCB 116
PCB-116	*	*	n	NotFnd	0.88	*	850	820	0.697	Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.09	*	850	820	0.565	
PCB-110	*	*	n	NotFnd	1.05	*	850	820	0.586	
PCB-82	*	*	n	NotFnd	0.63	*	850	820	0.981	
PCB-124	*	*	n	NotFnd	1.09	*	896	928	0.616	
PCB-108	*	*	n	NotFnd	1.24	*	896	928	0.541	Co-elute PCB 107
PCB-107	*	*	n	NotFnd	1.24	*	896	928	0.541	Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.07	*	896	928	0.647	
13C-PCB-123	2.61e+07	1.58	y	38:23	1.29	1020				102
PCB-118	*	*	n	NotFnd	1.13	*	896	928	0.599	Co-elute PCB 106
PCB-106	*	*	n	NotFnd	1.13	*	896	928	0.599	Co-elute PCB 118
13C-PCB-118	2.79e+07	1.62	y	38:34	1.41	1000				100
PCB-114	*	*	n	NotFnd	1.20	*	896	928	0.550	
13C-PCB-114	2.72e+07	1.59	y	39:10	1.34	1030				103
PCB-122	*	*	n	NotFnd	1.15	*	896	928	0.586	
PCB-105	*	*	n	NotFnd	1.23	*	896	928	0.535	
13C-PCB-105	2.78e+07	1.58	y	39:60	1.33	1060				106

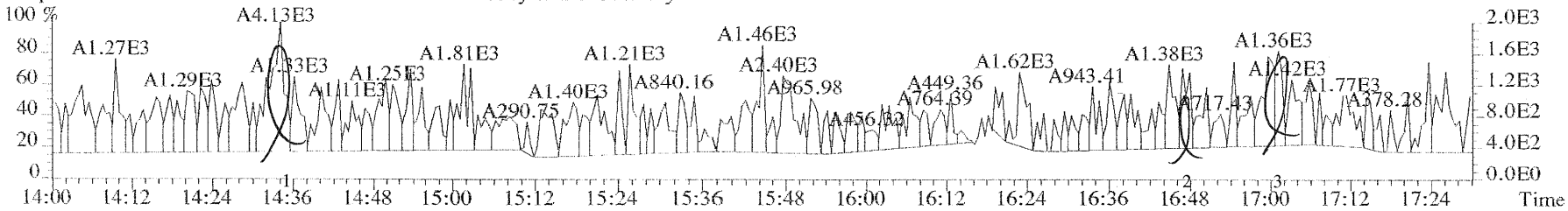
PCB-127	*	*	n	NotFnd	1.12	*	896	928	0.598	
PCB-126	*	*	n	NotFnd	1.20	*	896	928	0.619	
13C-PCB-126	2.36e+07	1.58	y	42:07	1.20	993				99.3
PCB-151	*	*	n	NotFnd	1.02	*	987	789	0.735	
PCB-135	*	*	n	NotFnd	1.08	*	987	789	0.699	
PCB-144	*	*	n	NotFnd	1.08	*	987	789	0.698	
PCB-147	*	*	n	NotFnd	1.13	*	987	789	0.666	
PCB-139	*	*	n	NotFnd	1.15	*	987	789	0.652	Co-elute PCB 149
PCB-149	*	*	n	NotFnd	1.15	*	987	789	0.652	Co-elute PCB 139
PCB-140	*	*	n	NotFnd	1.15	*	987	789	0.653	
PCB-143	*	*	n	NotFnd	0.93	*	987	789	0.811	Co-elute PCB 134
PCB-134	*	*	n	NotFnd	0.93	*	987	789	0.811	Co-elute PCB 143
PCB-131	*	*	n	NotFnd	0.97	*	987	789	0.778	Co-elute PCB 133
PCB-133	*	*	n	NotFnd	0.97	*	987	789	0.778	Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.96	*	987	789	0.785	
PCB-165	*	*	n	NotFnd	1.25	*	987	789	0.602	Co-elute PCB 146
PCB-146	*	*	n	NotFnd	1.25	*	987	789	0.602	Co-elute PCB 165
PCB-161	*	*	n	NotFnd	1.22	*	987	789	0.615	Co-elute PCB 132
PCB-132	*	*	n	NotFnd	1.22	*	987	789	0.615	Co-elute PCB 161
PCB-153	*	*	n	NotFnd	1.21	*	987	789	0.622	
PCB-168	*	*	n	NotFnd	1.39	*	987	789	0.542	
PCB-141	*	*	n	NotFnd	1.04	*	987	789	0.726	
PCB-137	*	*	n	NotFnd	1.13	*	987	789	0.667	
PCB-130	*	*	n	NotFnd	0.88	*	987	789	0.859	
PCB-138	*	*	n	NotFnd	1.26	*	987	789	0.595	Co-elute PCB 163/164
PCB-163	*	*	n	NotFnd	1.26	*	987	789	0.595	Co-elute PCB 138/164
PCB-164	*	*	n	NotFnd	1.26	*	987	789	0.595	Co-elute PCB 138/163
PCB-158	*	*	n	NotFnd	1.38	*	987	789	0.544	Co-elute PCB 160
PCB-160	*	*	n	NotFnd	1.38	*	987	789	0.544	Co-elute PCB 158
PCB-129	*	*	n	NotFnd	0.91	*	987	789	0.823	
PCB-166	*	*	n	NotFnd	1.33	*	987	789	0.565	
PCB-159	*	*	n	NotFnd	1.38	*	987	789	0.544	
PCB-128	*	*	n	NotFnd	1.17	*	987	789	0.645	Co-elute PCB 162
PCB-162	*	*	n	NotFnd	1.17	*	987	789	0.645	Co-elute PCB 128
PCB-167	*	*	n	NotFnd	1.21	*	987	789	0.637	
13C-PCB-167	2.15e+07	1.26	y	43:29	1.09	999				99.9
PCB-156	*	*	n	NotFnd	1.29	*	987	789	0.577	
13C-PCB-156	2.35e+07	1.28	y	44:43	1.03	1160				116
PCB-157	*	*	n	NotFnd	1.24	*	987	789	0.591	
13C-PCB-157	2.24e+07	1.28	y	44:58	1.09	1040				104
PCB-169	*	*	n	NotFnd	1.17	*	987	789	0.652	
13C-PCB-169	1.98e+07	1.28	y	46:48	0.94	1060				106

FAL ID: 05499-001-0001-MB Filename: 09NOV20Z Sam:3 Acquired: 9-NOV-20 13:58:55 ICal: DAILY209FAL4-11-9-20
Client ID: Method Blank ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 10.00

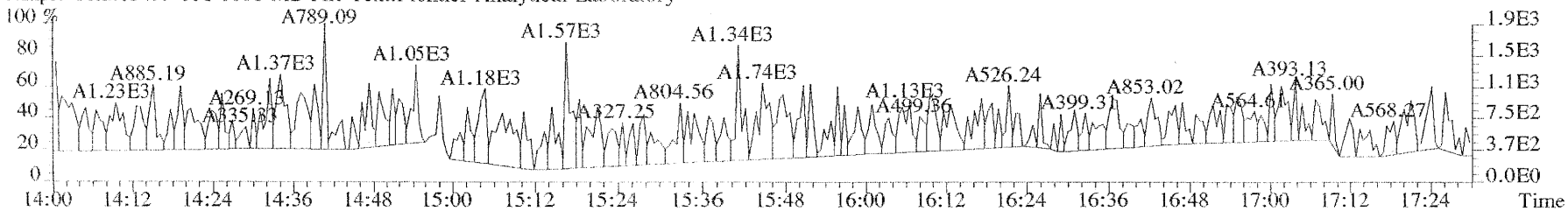
PCB-188	*	*	n	NotFnd	1.10	*	756	648	0.565	
13C-PCB-188	2.15e+07	1.07	y	39:47	1.06	1030				103
PCB-184	*	*	n	NotFnd	1.31	*	756	648	0.451	
PCB-179	*	*	n	NotFnd	1.21	*	756	648	0.488	
PCB-176	*	*	n	NotFnd	1.18	*	756	648	0.502	
PCB-186	*	*	n	NotFnd	1.22	*	756	648	0.486	
PCB-178	*	*	n	NotFnd	0.85	*	756	648	0.698	
PCB-175	*	*	n	NotFnd	0.88	*	756	648	0.674	
PCB-187	*	*	n	NotFnd	0.92	*	756	648	0.639	Co-elute PCB 182
PCB-182	*	*	n	NotFnd	0.92	*	756	648	0.639	Co-elute PCB 187
PCB-183	*	*	n	NotFnd	0.95	*	756	648	0.624	
PCB-185	*	*	n	NotFnd	0.85	*	756	648	0.692	
PCB-174	*	*	n	NotFnd	0.82	*	756	648	0.722	
PCB-181	*	*	n	NotFnd	0.90	*	756	648	0.658	
PCB-177	*	*	n	NotFnd	0.79	*	756	648	0.753	
PCB-171	*	*	n	NotFnd	0.82	*	756	648	0.718	
PCB-173	*	*	n	NotFnd	0.77	*	756	648	0.764	
PCB-172	*	*	n	NotFnd	0.77	*	756	648	0.763	
PCB-192	*	*	n	NotFnd	1.01	*	756	648	0.586	
PCB-180	*	*	n	NotFnd	0.83	*	756	648	0.710	
PCB-193	*	*	n	NotFnd	1.07	*	756	648	0.553	
PCB-191	*	*	n	NotFnd	1.04	*	756	648	0.567	
PCB-170	*	*	n	NotFnd	0.74	*	756	648	0.803	
PCB-190	*	*	n	NotFnd	0.97	*	756	648	0.611	
PCB-189	*	*	n	NotFnd	1.08	*	756	648	0.514	
13C-PCB-189	1.78e+07	1.07	y	48:28	0.81	1110				111
PCB-202	*	*	n	NotFnd	1.07	*	628	510	0.680	
PCB-201	*	*	n	NotFnd	1.14	*	628	150	0.439	
PCB-204	*	*	n	NotFnd	1.14	*	628	510	0.641	
PCB-197	*	*	n	NotFnd	1.15	*	628	510	0.635	
PCB-200	*	*	n	NotFnd	1.10	*	628	510	0.663	
PCB-198	*	*	n	NotFnd	0.77	*	628	510	0.948	
PCB-199	*	*	n	NotFnd	0.80	*	628	510	0.911	
PCB-203	*	*	n	NotFnd	0.87	*	628	510	0.837	Co-elute PCB 196
PCB-196	*	*	n	NotFnd	0.87	*	628	510	0.837	Co-elute PCB 203
13C-PCB-202	1.65e+07	0.92	y	44:55	0.80	1050				105
13C-PCB-178	1.47e+07	1.11	y	42:25	0.75	992				99.2
13C-PCB-138	1.97e+07	1.30	y	41:37	-	5.76				
PCB-195	*	*	n	NotFnd	1.00	*	804	1240	0.587	
PCB-194	*	*	n	NotFnd	1.05	*	804	1240	0.556	
PCB-205	*	*	n	NotFnd	1.20	*	804	1240	0.490	
13C-PCB-205	2.20e+07	0.90	y	50:07	1.12	1030				103
PCB-208	*	*	n	NotFnd	1.08	*	528	792	0.375	
13C-PCB-208	2.17e+07	0.78	y	49:12	1.19	963				96.3
PCB-207	*	*	n	NotFnd	1.31	*	528	792	0.386	
PCB-206	*	*	n	NotFnd	1.13	*	528	792	0.582	
13C-PCB-206	1.49e+07	0.83	y	51:19	0.80	976				97.6
PCB-209	*	*	n	NotFnd	1.20	*	768	420	0.480	
13C-PCB-209	1.59e+07	1.21	y	52:30	0.88	951				95.1
13C-PCB-194	1.90e+07	0.91	y	49:52	-	6.34				

Analyst: _____ Date: 11/10/20

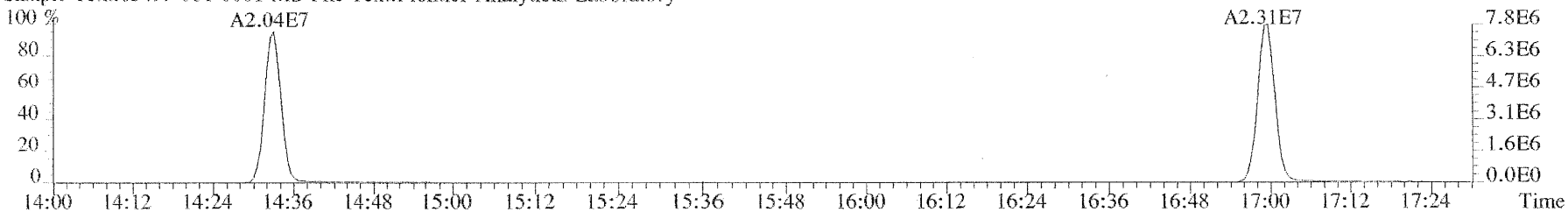
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



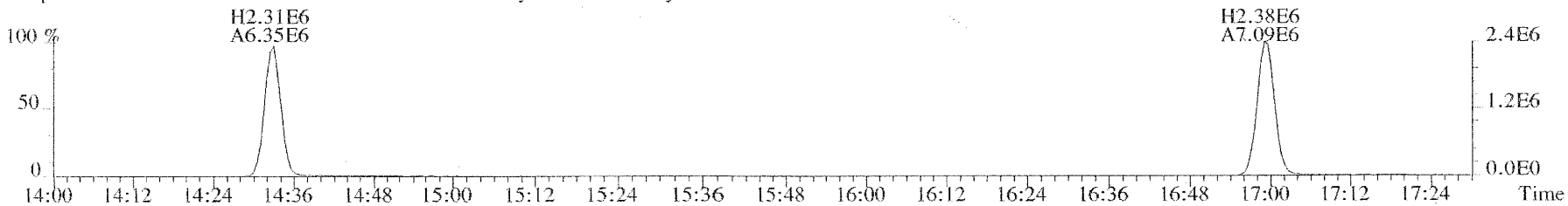
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



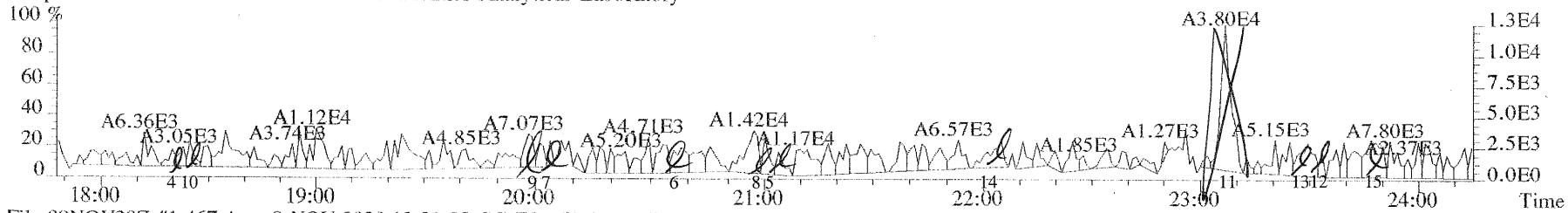
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



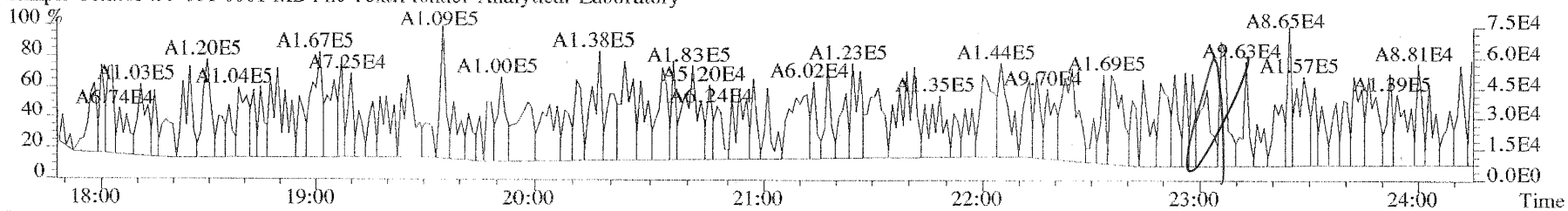
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



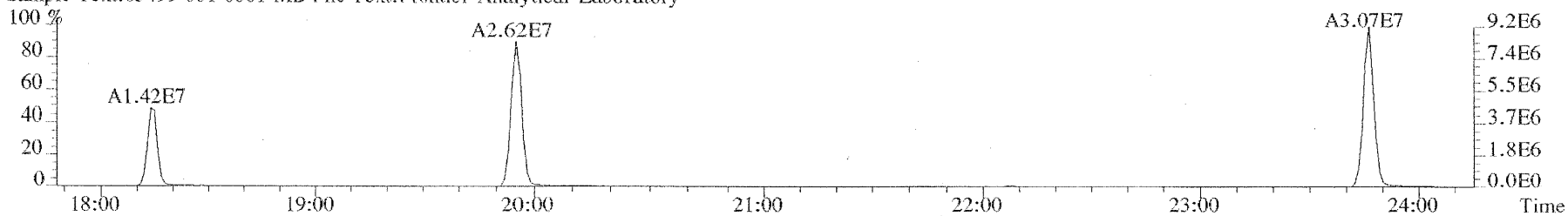
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



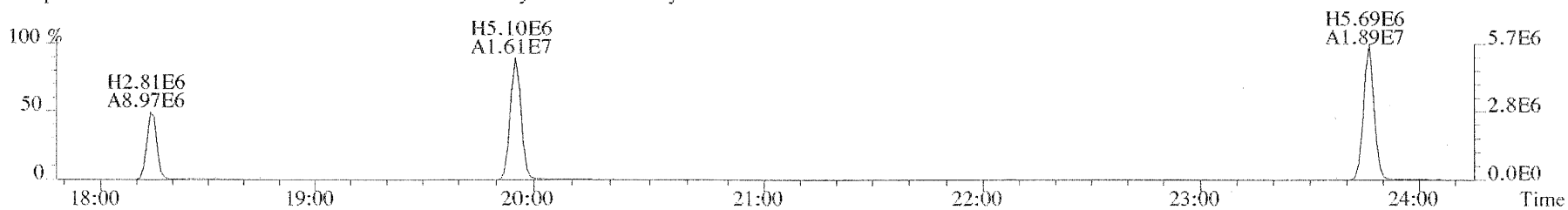
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



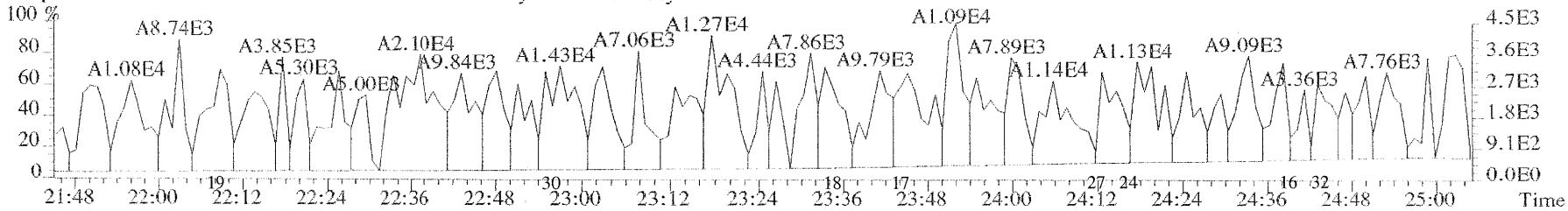
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



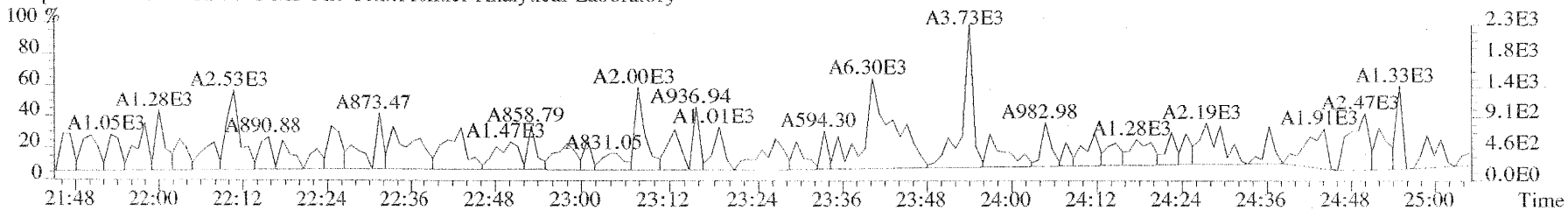
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



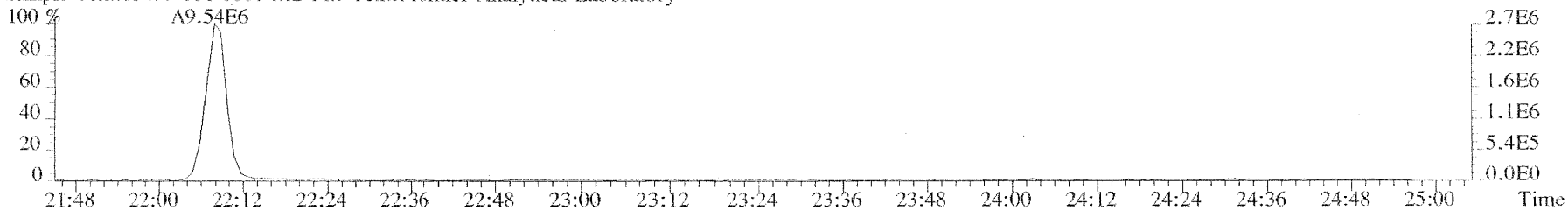
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



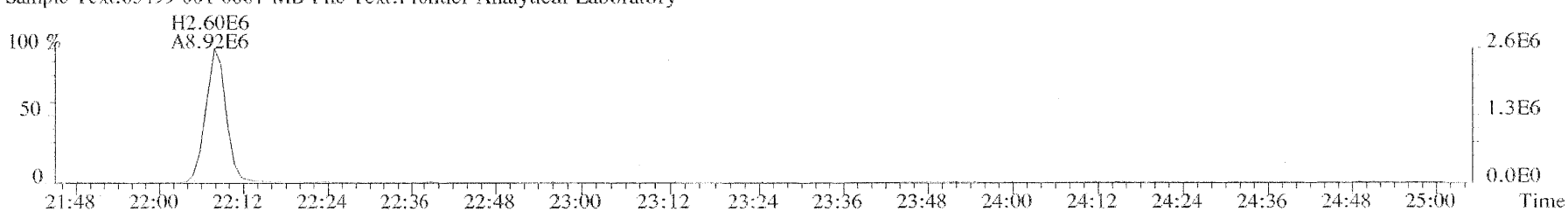
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



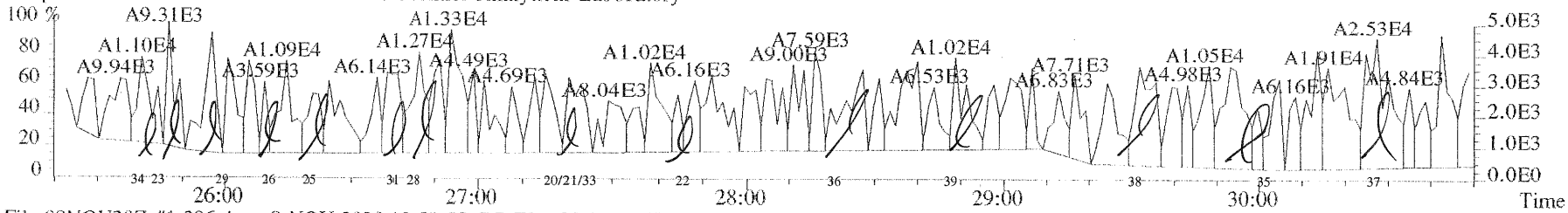
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



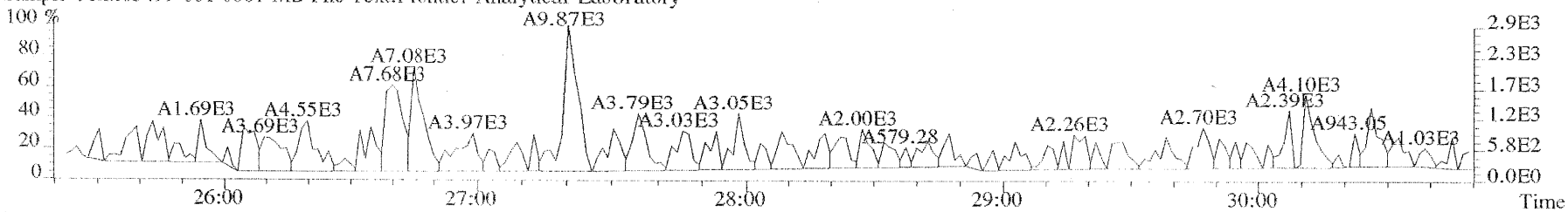
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



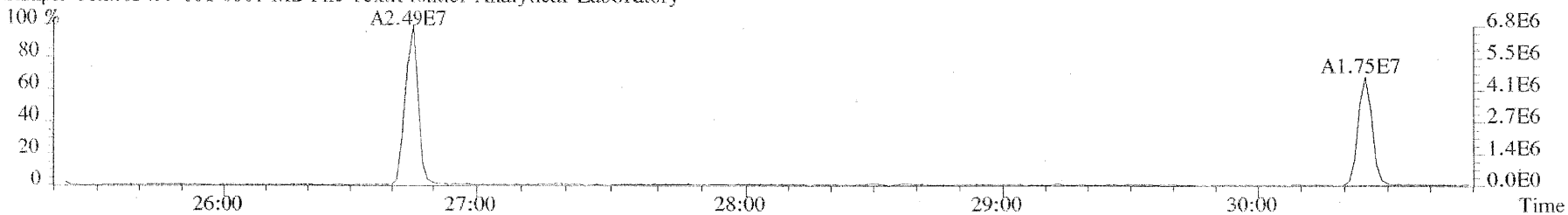
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



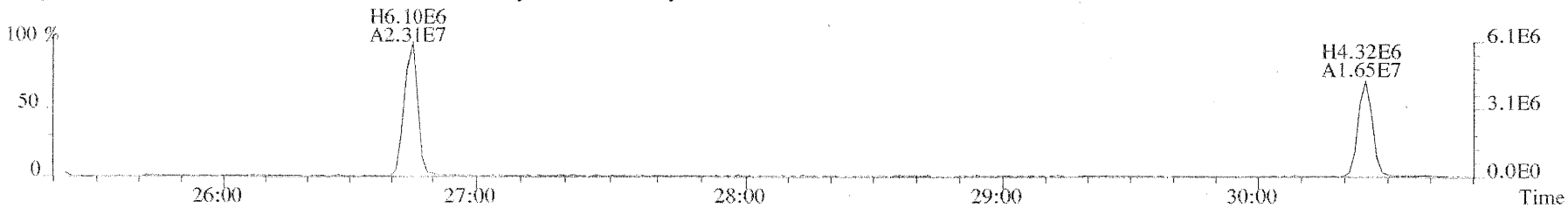
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



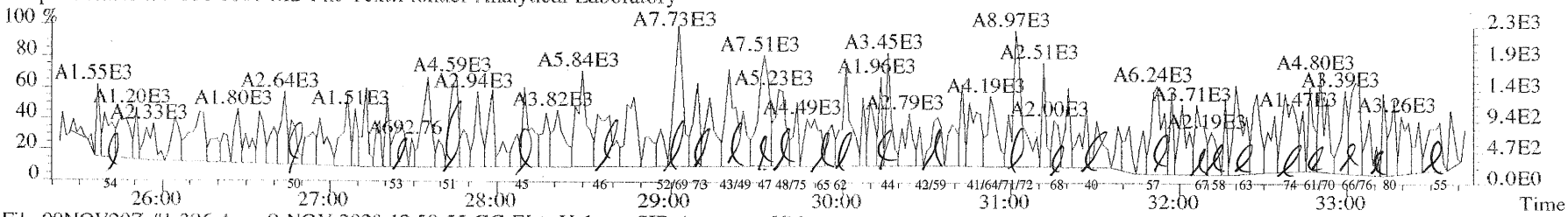
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



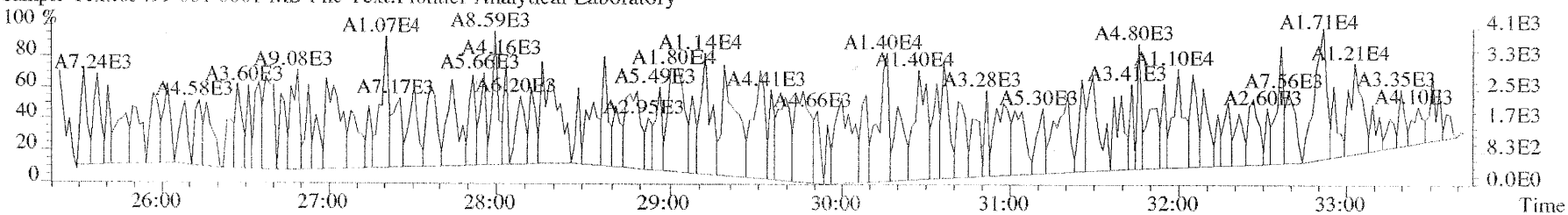
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



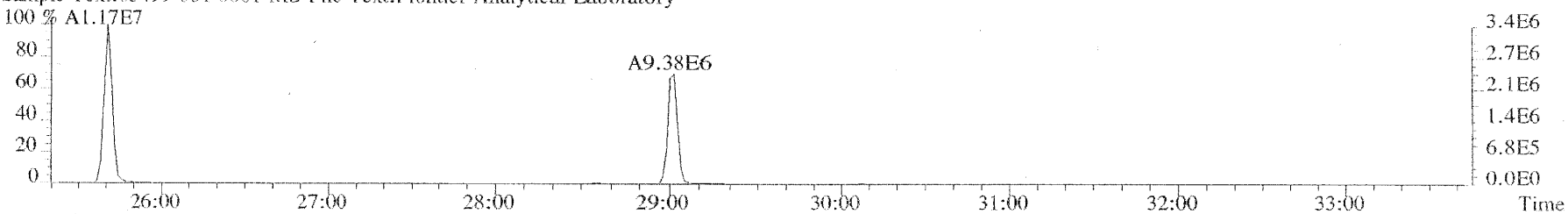
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



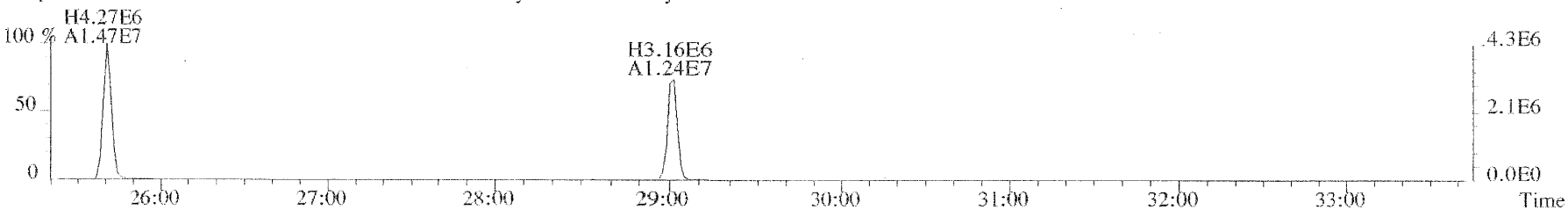
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



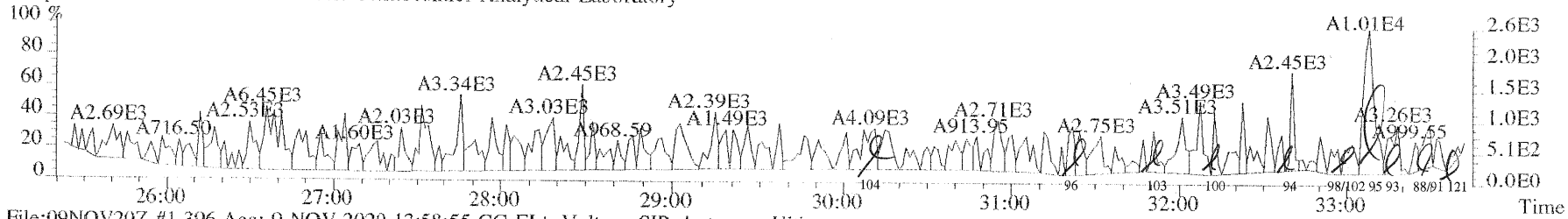
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



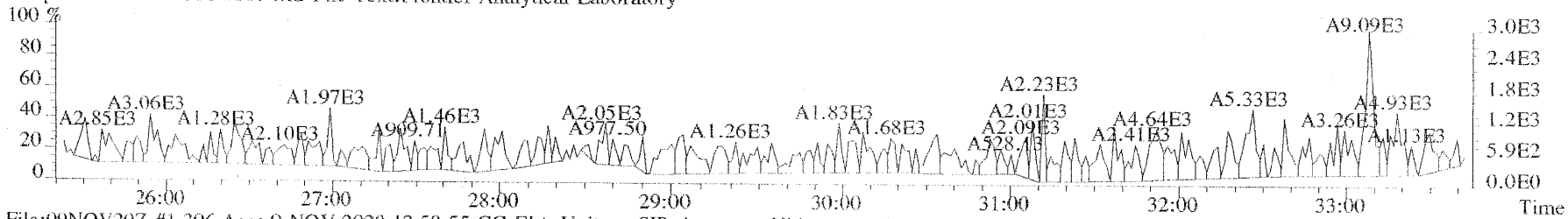
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



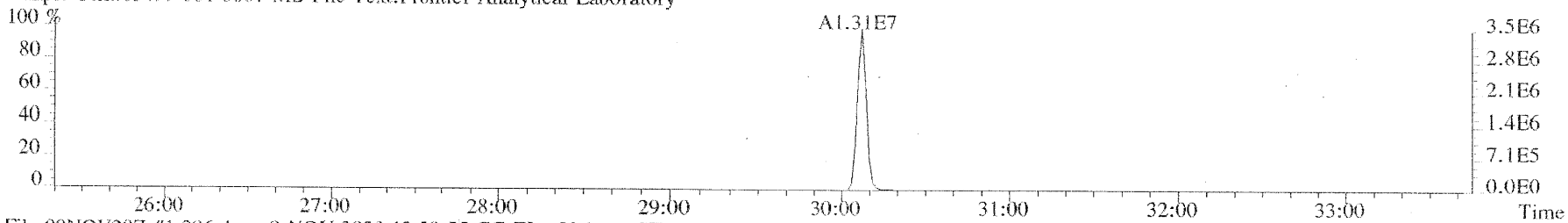
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



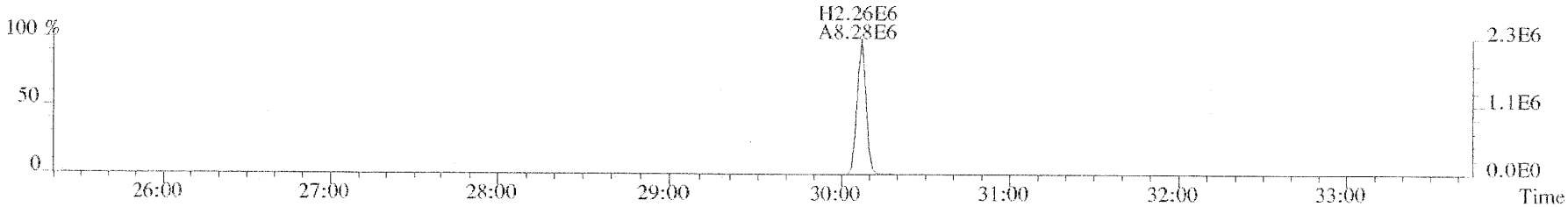
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



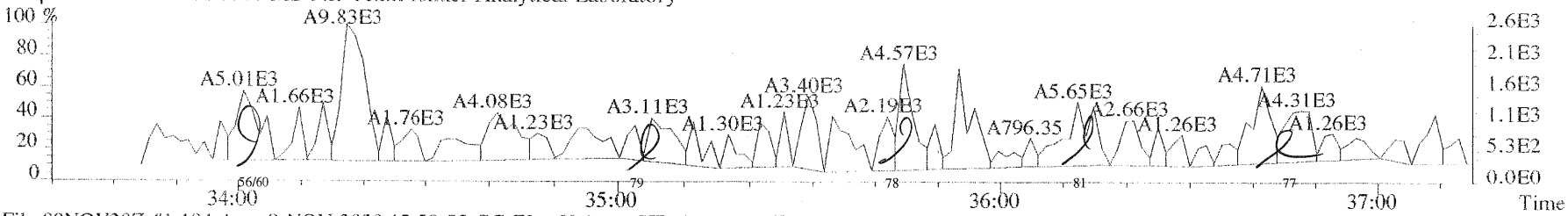
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



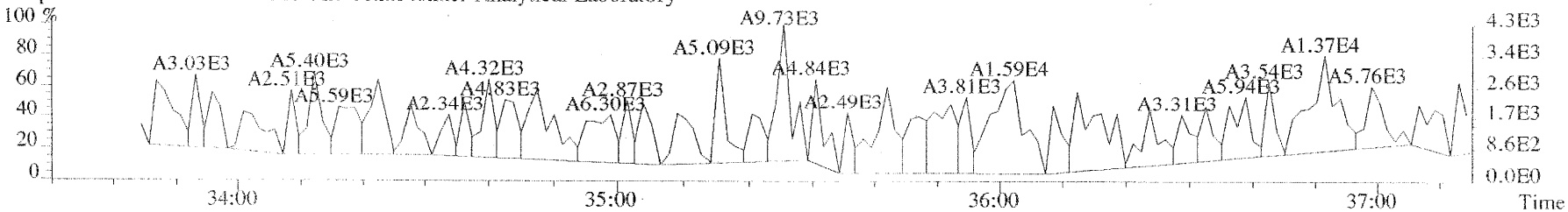
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



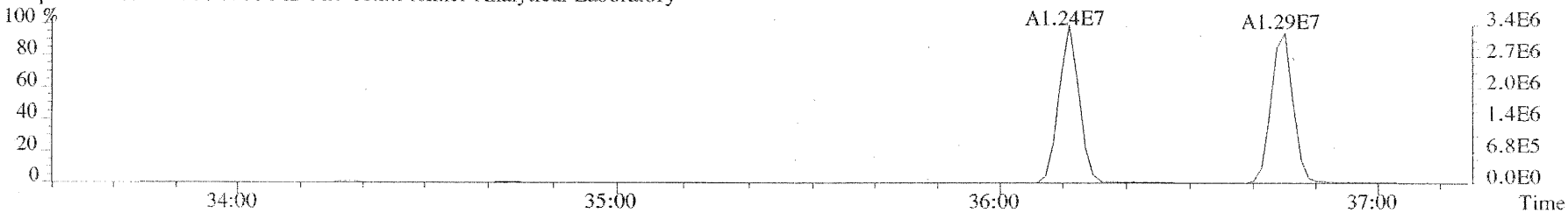
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



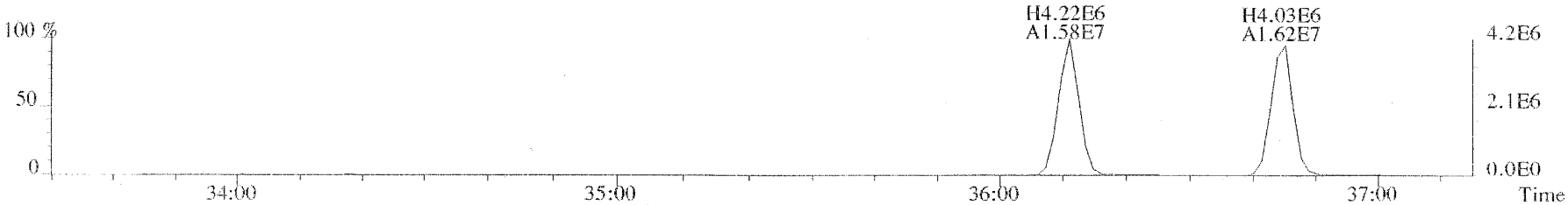
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



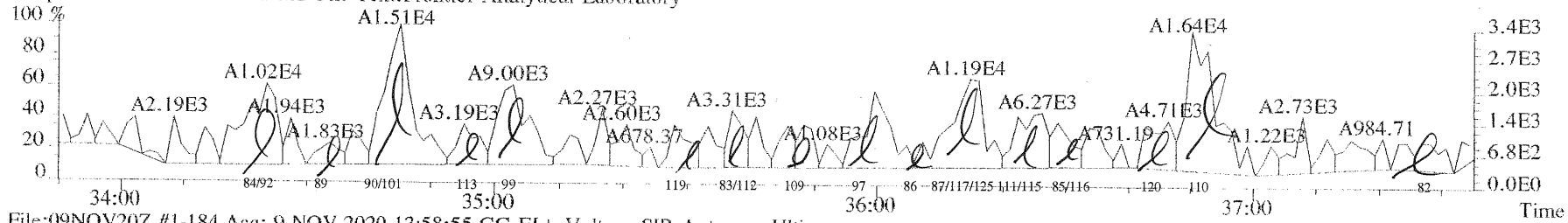
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



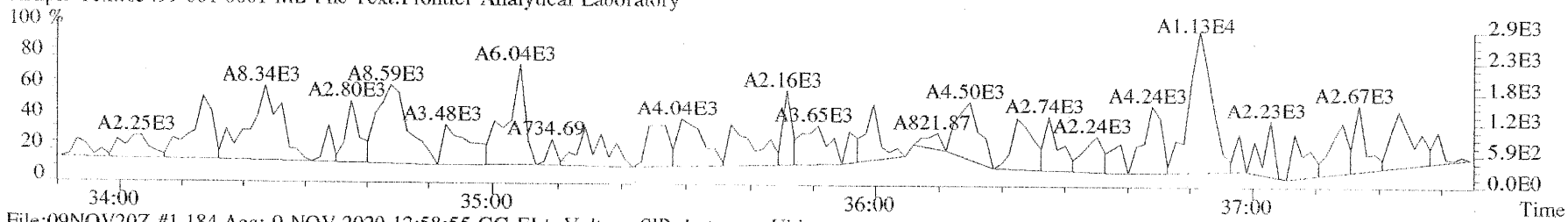
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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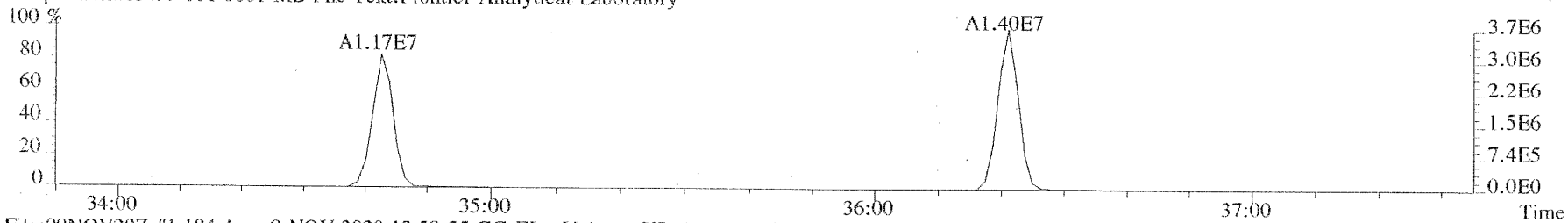
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 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
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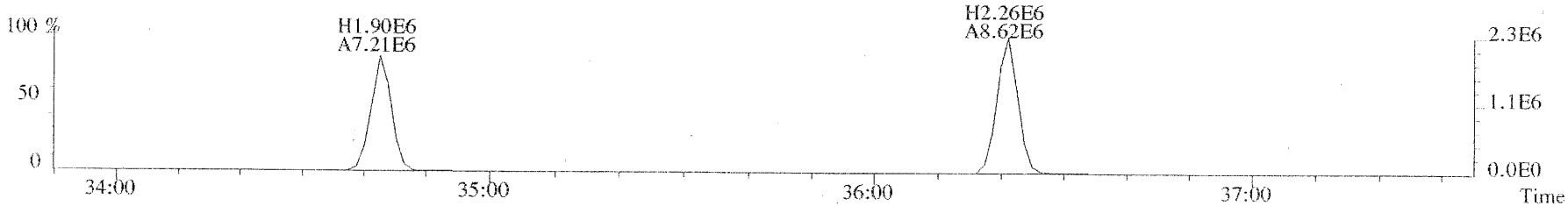
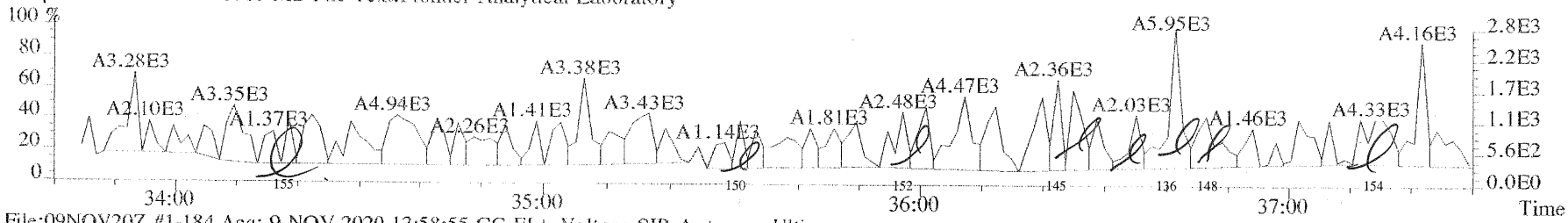
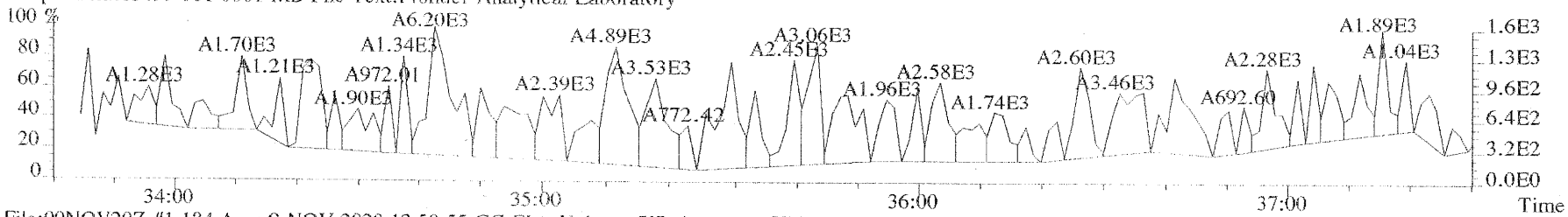


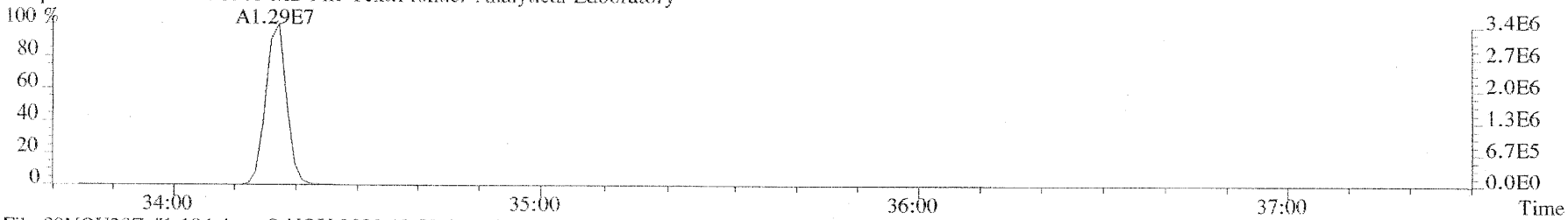
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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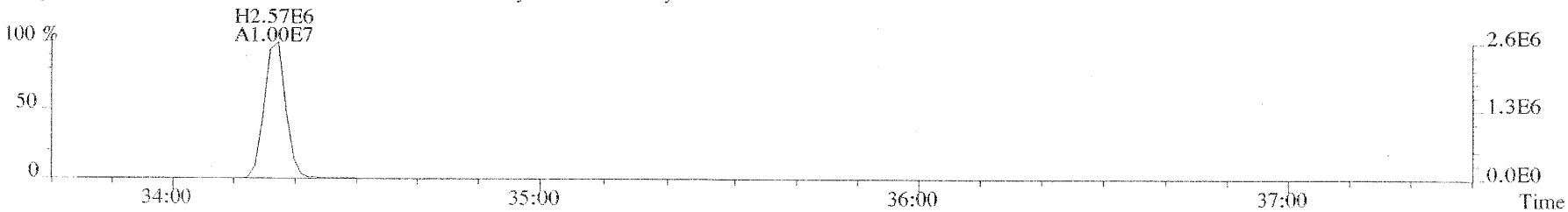
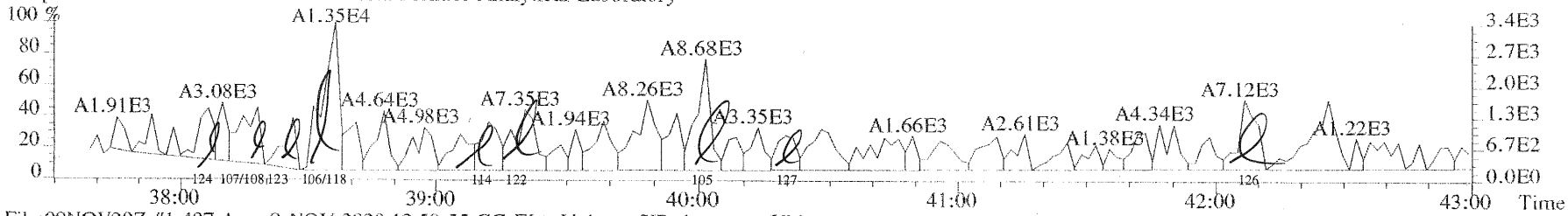
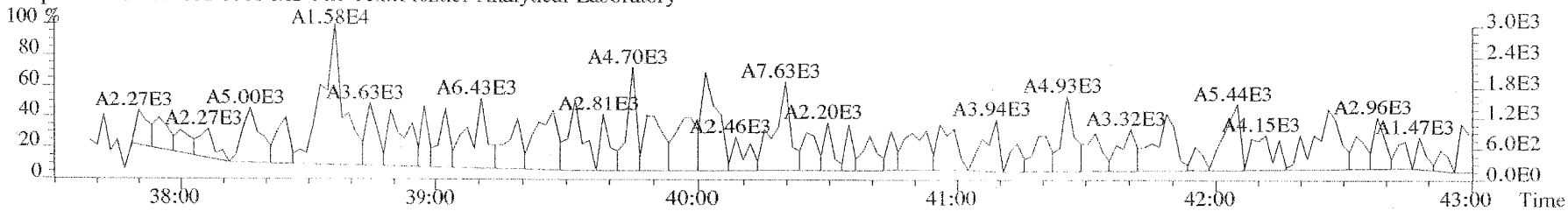
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 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
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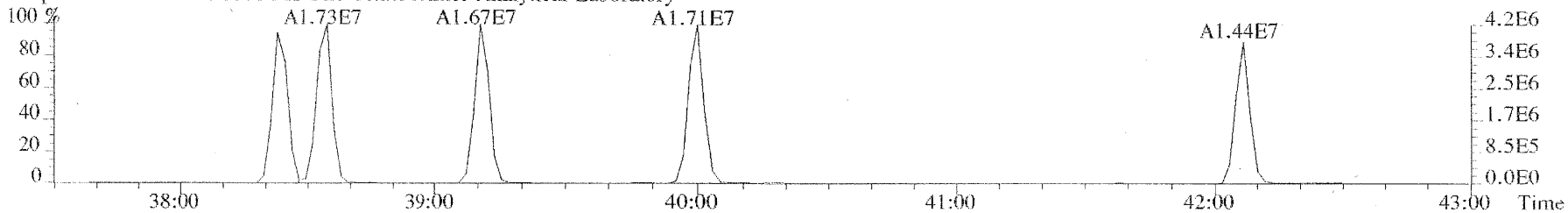
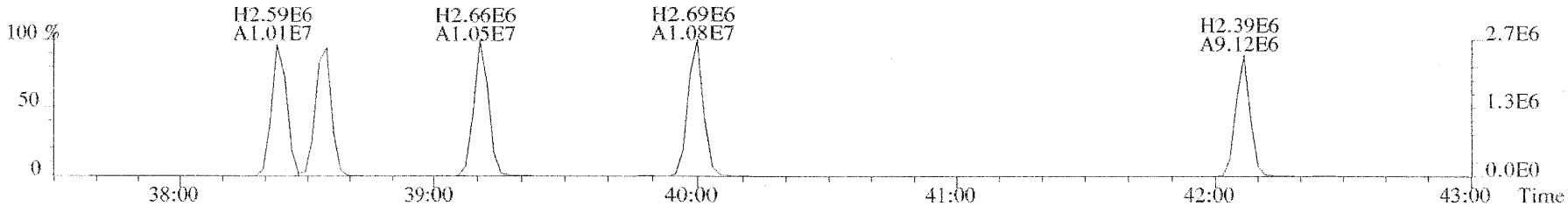
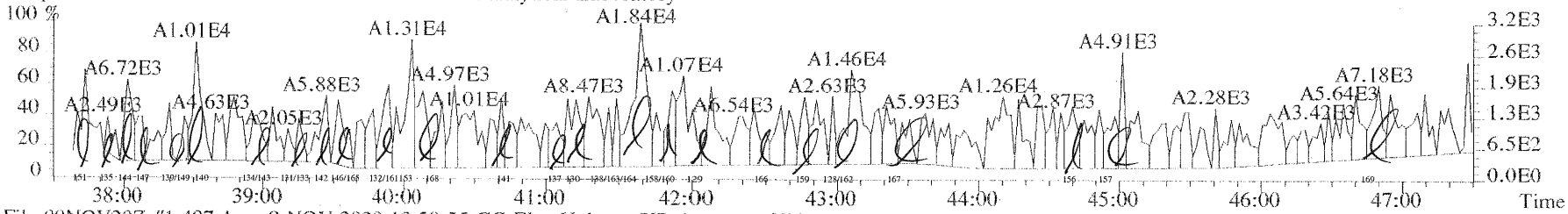


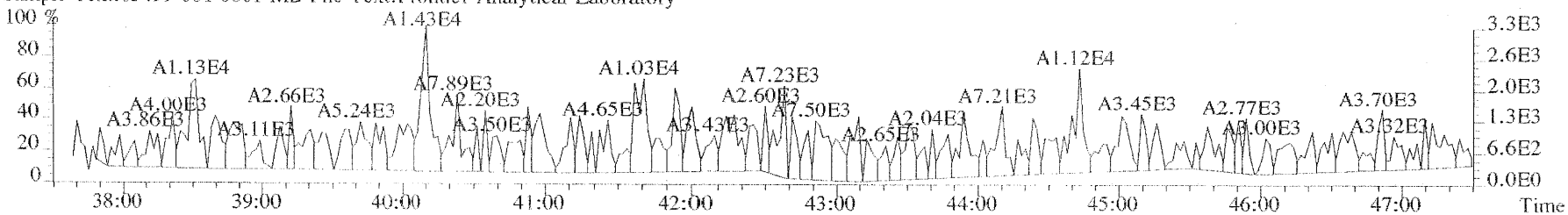
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



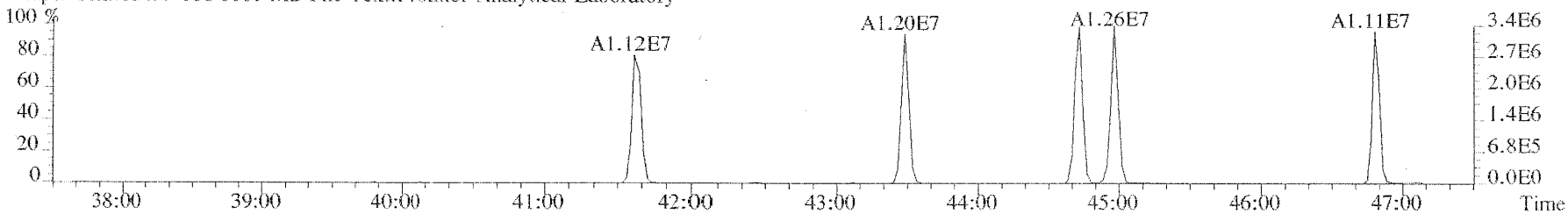
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



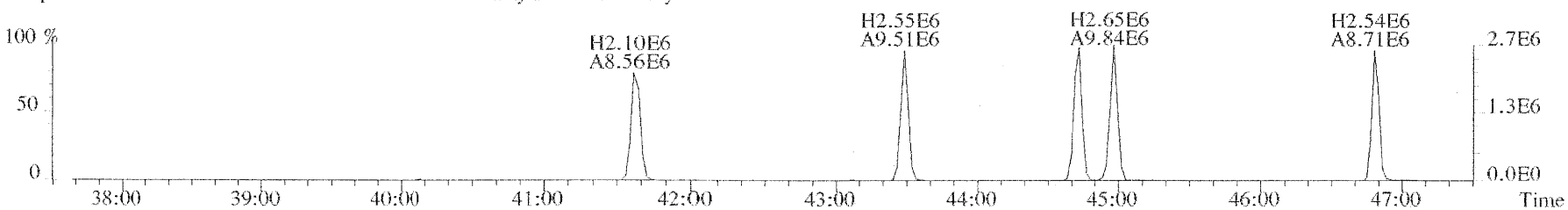
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



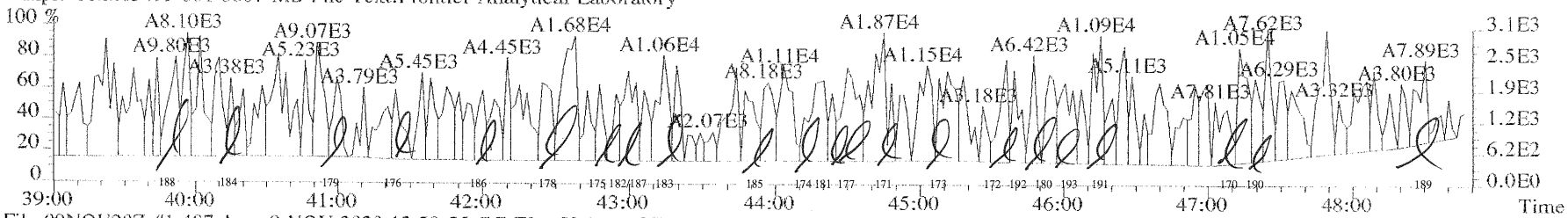
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



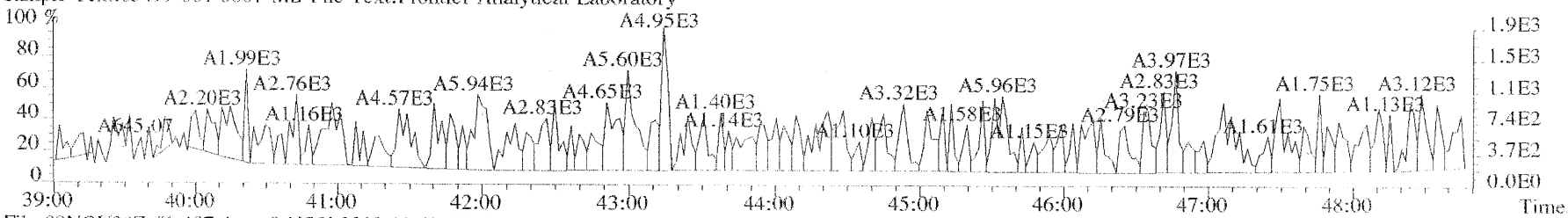
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



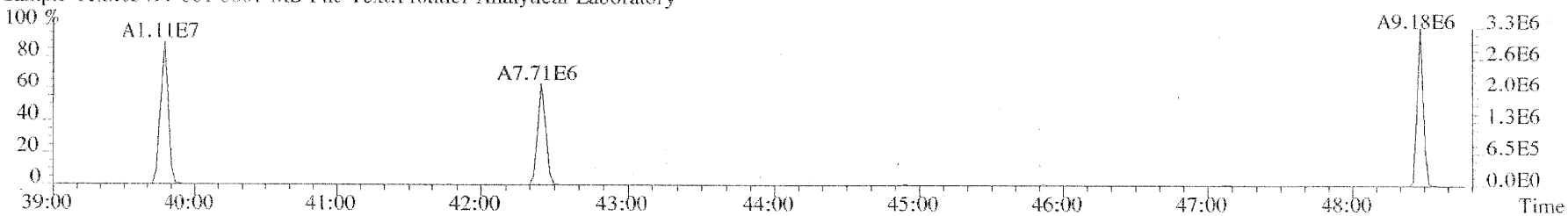
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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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
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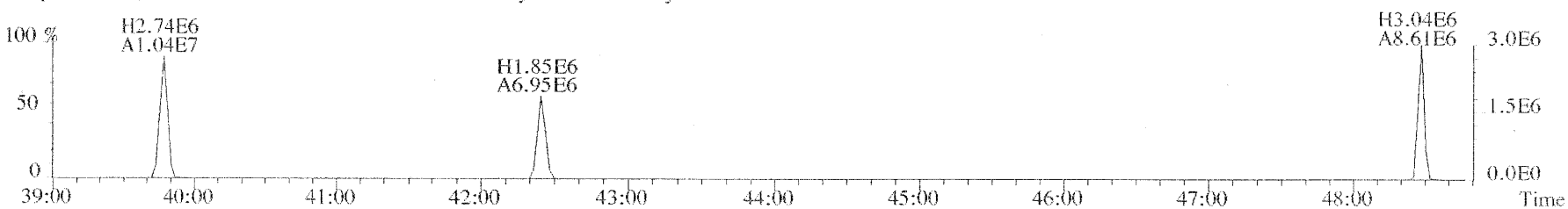
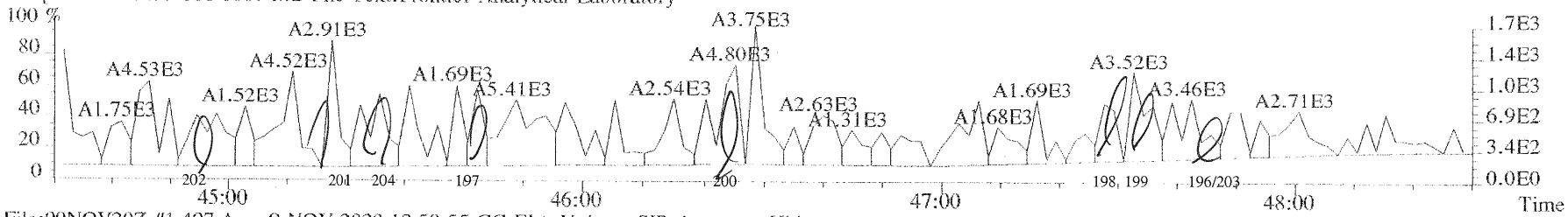


File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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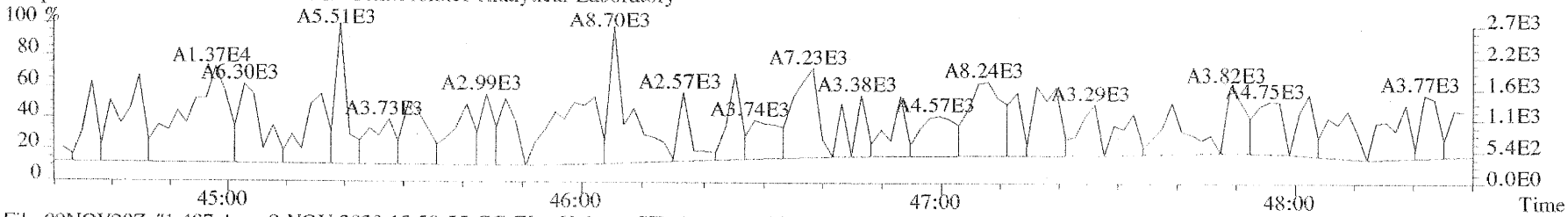
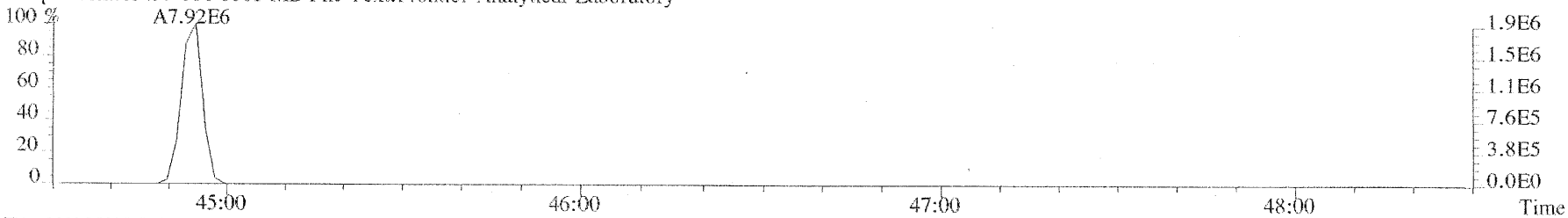
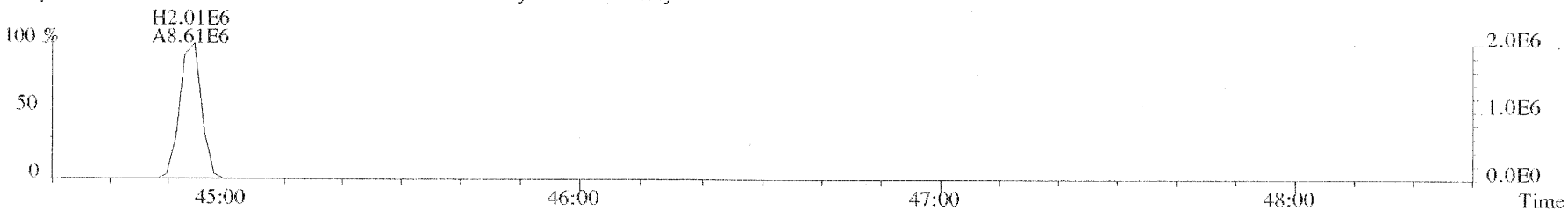
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



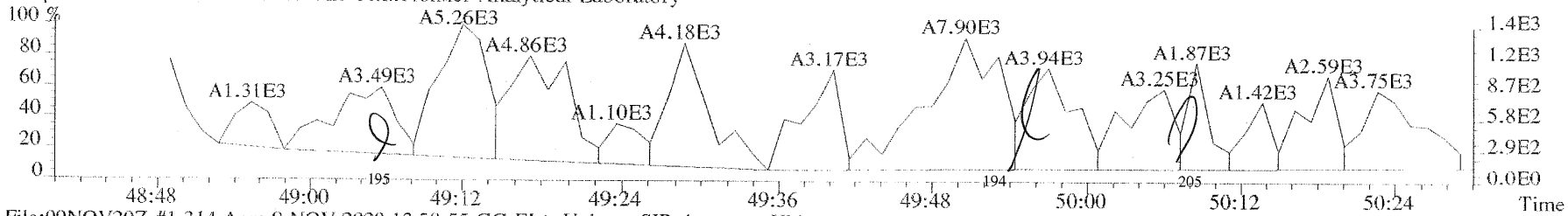
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



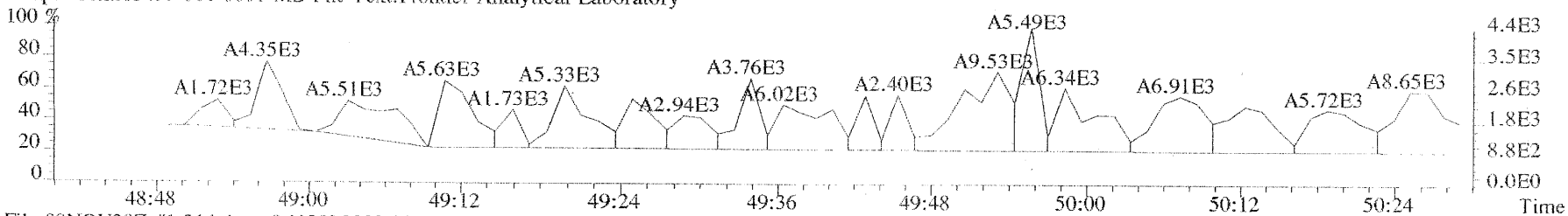
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



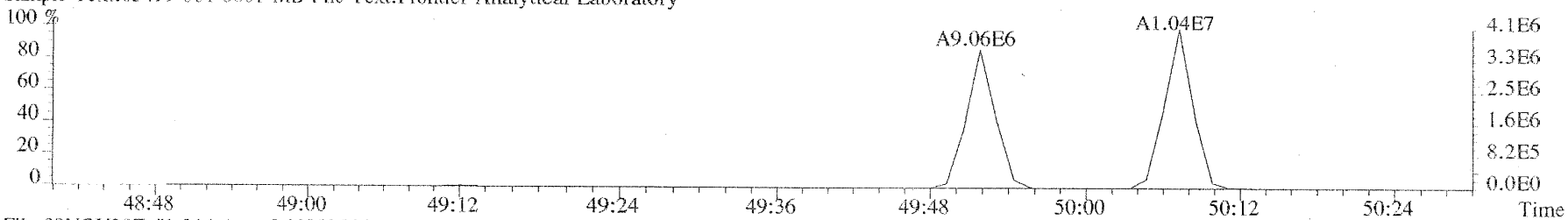
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



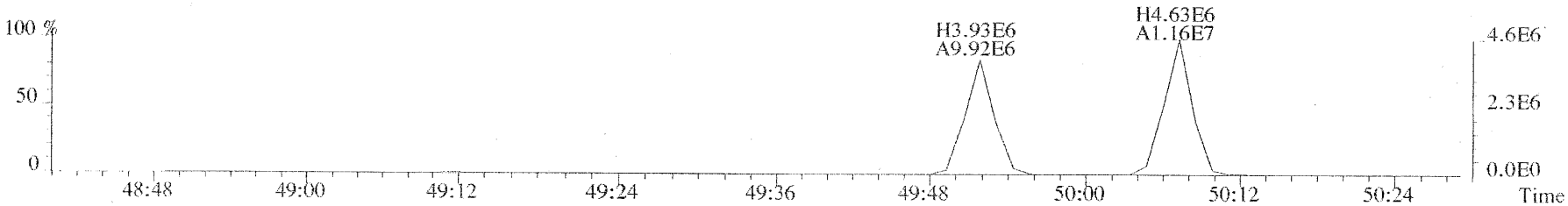
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



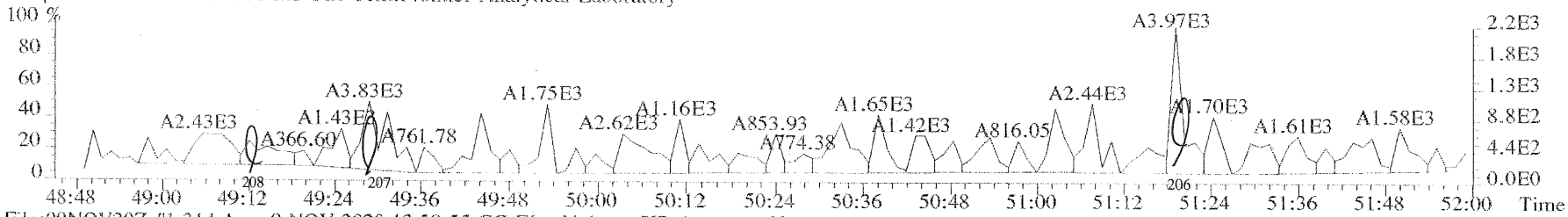
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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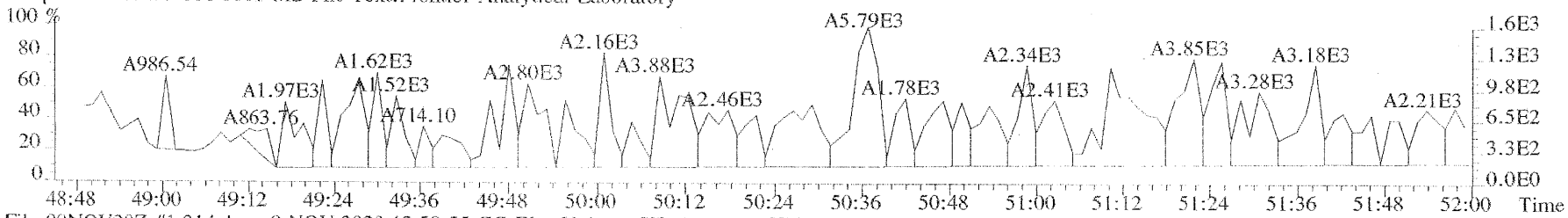
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
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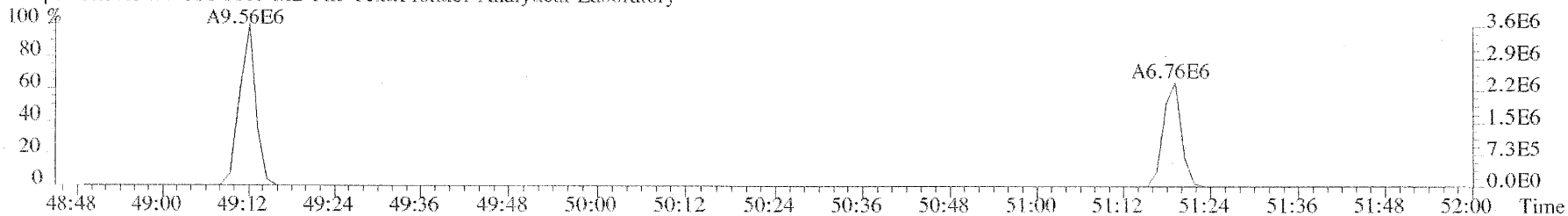
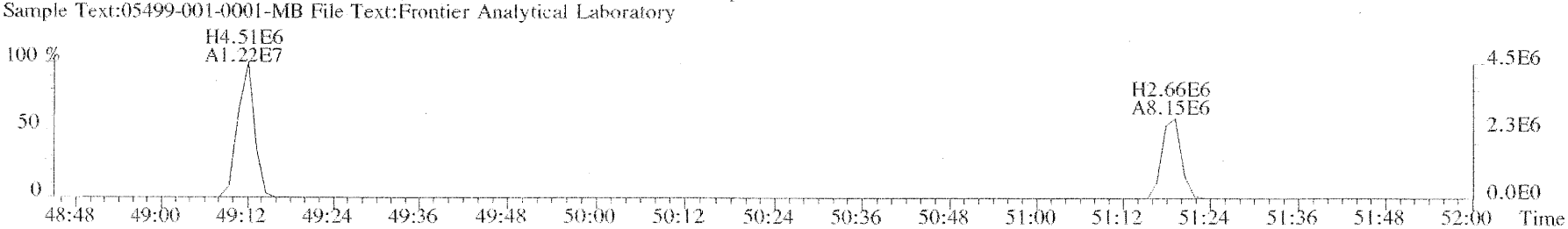
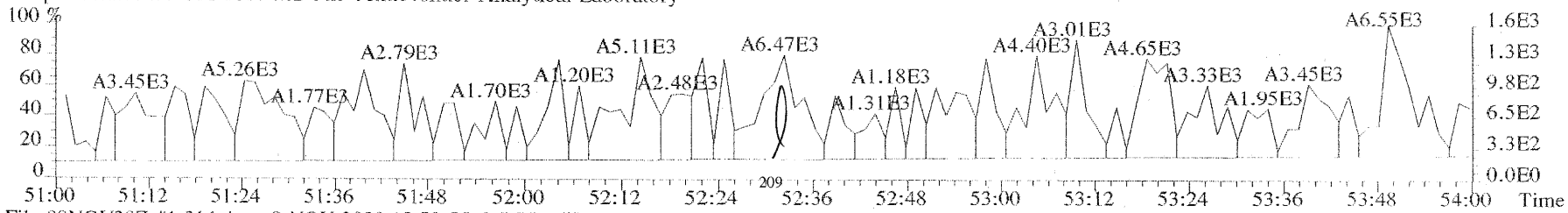
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



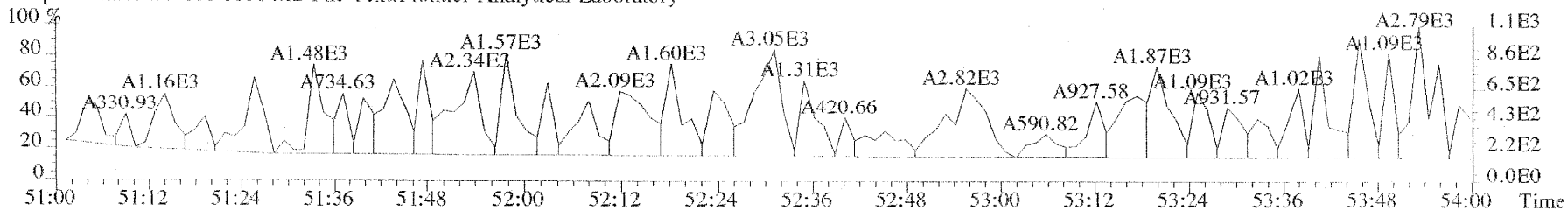
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



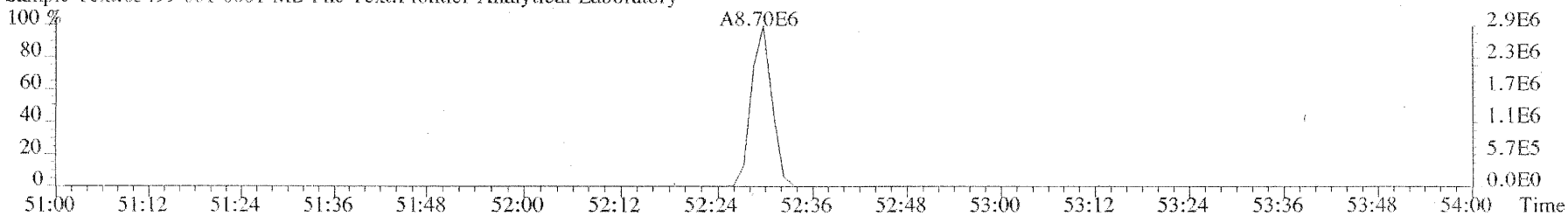
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



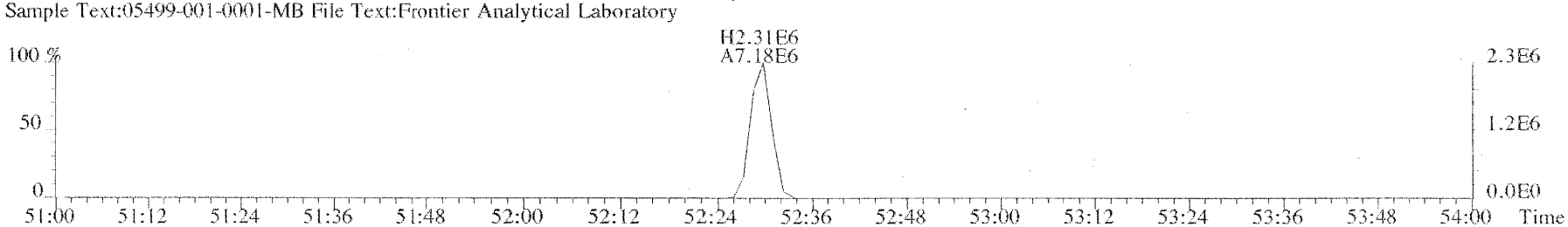
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-MB File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 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:05499-001-0001-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: 05499-001-0001-OPR

Matrix (aqueous/solid/leachate): Tissue OPR Data Filename: 09NOV20Z Sam:2

Ext. Date: 10/27/20 Shift: Day Analysis Date: 9-NOV-20 13:00:34

	SPIKE CONC. (ng/mL)	CONC REC	OPR CONC. LIMITS (CONC)
NATIVE ANALYTES			
PCB-1	50	47.7	30.0 - 67.5
PCB-3	50	49.4	30.0 - 67.5
PCB-4	50	52.0	30.0 - 67.5
PCB-15	50	44.8	30.0 - 67.5
PCB-19	50	47.6	30.0 - 67.5
PCB-37	50	44.2	30.0 - 67.5
PCB-54	50	49.1	30.0 - 67.5
PCB-77	50	48.5	30.0 - 67.5
PCB-81	50	44.8	30.0 - 67.5
PCB-104	50	47.6	30.0 - 67.5
PCB-105	50	44.0	30.0 - 67.5
PCB-114	50	43.3	30.0 - 67.5
PCB-118	50	49.2	30.0 - 67.5
PCB-123	50	51.0	30.0 - 67.5
PCB-126	50	45.7	30.0 - 67.5
PCB-155	50	48.2	30.0 - 67.5
PCB-156	50	44.6	30.0 - 67.5
PCB-157	50	45.0	30.0 - 67.5
PCB-167	50	46.5	30.0 - 67.5
PCB-169	50	47.9	30.0 - 67.5
PCB-188	50	48.8	30.0 - 67.5
PCB-189	50	49.4	30.0 - 67.5
PCB-202	50	50.6	30.0 - 67.5
PCB-205	50	46.8	30.0 - 67.5
PCB-206	50	49.4	30.0 - 67.5
PCB-208	50	49.0	30.0 - 67.5
PCB-209	50	49.1	30.0 - 67.5

Analyst: Date: 11/10/20

Frontier Analytical Laboratory

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

Lab Name: Frontier Analytical Laboratory FAL ID: 05499-001-0001-OPR

Matrix (aqueous/solid/leachate): Tissue OPR Data Filename: 09NOV20Z Sam:2

Ext. Date: 10/27/20 Shift: Day Analysis Date: 9-NOV-20 13:00:34

	SPIKE CONC. (ng/mL)	RECOVERY (%)	OPR CONC. LIMITS (%)
LABELED COMPOUNDS			
13C-PCB-1	100	45.2	15.0 - 145
13C-PCB-3	100	78.0	15.0 - 145
13C-PCB-4	100	69.7	15.0 - 145
13C-PCB-15	100	86.9	15.0 - 145
13C-PCB-19	100	80.4	15.0 - 145
13C-PCB-37	100	91.6	15.0 - 145
13C-PCB-54	100	95.3	15.0 - 145
13C-PCB-77	100	89.7	40.0 - 145
13C-PCB-81	100	91.8	40.0 - 145
13C-PCB-104	100	90.3	40.0 - 145
13C-PCB-105	100	87.9	40.0 - 145
13C-PCB-114	100	91.4	40.0 - 145
13C-PCB-118	100	88.2	40.0 - 145
13C-PCB-123	100	90.3	40.0 - 145
13C-PCB-126	100	93.1	40.0 - 145
13C-PCB-155	100	95.0	40.0 - 145
13C-PCB-156	100	94.9	40.0 - 145
13C-PCB-157	100	91.6	40.0 - 145
13C-PCB-167	100	92.2	40.0 - 145
13C-PCB-169	100	96.9	40.0 - 145
13C-PCB-188	100	89.0	40.0 - 145
13C-PCB-189	100	93.0	40.0 - 145
13C-PCB-202	100	92.4	40.0 - 145
13C-PCB-205	100	98.1	40.0 - 145
13C-PCB-206	100	92.3	40.0 - 145
13C-PCB-208	100	87.4	40.0 - 145
13C-PCB-209	100	90.4	40.0 - 145
CLEANUP STANDARDS			
13C-PCB-28	100	85.6	15.0 - 145
13C-PCB-111	100	75.0	40.0 - 145
13C-PCB-178	100	78.1	40.0 - 145

Analyst: _____ Date: 11/10/20

FAL ID: 05499-001-0001-OPR Filename: 09NOV20Z Sam:2 Acquired: 9-NOV-20 13:00:34 ICal: DAILY209FAL4-11-9-20 1 of 2
Client ID: OPR ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 1.000

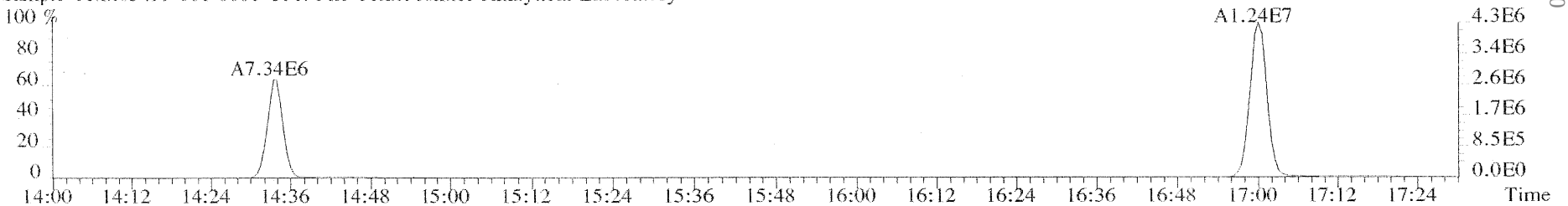
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	9.73e+06	3.07 y	14:33	1.29	47.7		2.50	-	-	*	
13C-PCB-1	1.58e+07	3.22 y	14:33	0.83	45.2		2.50				45.2
PCB-3	1.63e+07	3.13 y	16:60	1.26	49.4		2.50	-	-	*	
13C-PCB-3	2.62e+07	3.21 y	16:59	0.80	78.0		2.50				78.0
PCB-4	1.09e+07	1.41 y	18:15	1.09	52.0		2.50	-	-	*	
13C-PCB-4	1.92e+07	1.58 y	18:14	0.66	69.7		2.50				69.7
PCB-15	1.93e+07	1.51 y	23:47	1.20	44.8		2.50	-	-	*	
13C-PCB-15	3.61e+07	1.59 y	23:45	0.99	86.9		2.50				86.9
PCB-19	8.90e+06	1.08 y	22:09	1.21	47.6		2.50	-	-	*	
13C-PCB-19	1.55e+07	1.11 y	22:08	0.46	80.4		2.50				80.4
13C-PCB-9	4.20e+07	1.64 y	19:55	-	69.2		2.50				
PCB-37	1.63e+07	1.09 y	30:26	1.28	44.2		2.50	-	-	*	
13C-PCB-37	2.89e+07	1.08 y	30:25	1.69	91.6		2.50				91.6
PCB-54	1.44e+07	0.81 y	25:42	1.27	49.1		2.50	-	-	*	
13C-PCB-54	2.30e+07	0.80 y	25:40	1.29	95.3		2.50				95.3
PCB-104	9.94e+06	1.52 y	30:08	1.16	47.6		2.50	-	-	*	
13C-PCB-104	1.80e+07	1.60 y	30:06	1.07	90.3		2.50				90.3
13C-PCB-28	3.32e+07	1.07 y	26:45	2.08	85.6		2.50				85.6
13C-PCB-52	1.87e+07	0.79 y	29:00	-	60.0		2.50				
PCB-81	1.43e+07	0.78 y	36:12	1.31	44.8		2.50	-	-	*	
13C-PCB-81	2.43e+07	0.80 y	36:11	1.53	91.8		2.50				91.8
PCB-77	1.39e+07	0.78 y	36:45	1.13	48.5		2.50	-	-	*	
13C-PCB-77	2.53e+07	0.78 y	36:44	1.64	89.7		2.50				89.7
PCB-155	1.07e+07	1.23 y	34:17	1.12	48.2		2.50	-	-	*	
13C-PCB-155	1.98e+07	1.31 y	34:16	1.21	95.0		2.50				95.0
13C-PCB-111	1.70e+07	1.59 y	36:21	1.31	75.0		2.50				75.0
13C-PCB-101	1.73e+07	1.61 y	34:42	-	54.8		2.50				
PCB-123	1.20e+07	1.51 y	38:24	1.07	51.0		2.50	-	-	*	
13C-PCB-123	2.21e+07	1.58 y	38:23	1.29	90.3		2.50				90.3
PCB-118	1.32e+07	1.54 y	38:34	1.13	49.2		2.50	-	-	*	
13C-PCB-118	2.36e+07	1.58 y	38:33	1.41	88.2		2.50				88.2
PCB-114	1.20e+07	1.53 y	39:12	1.20	43.3		2.50	-	-	*	
13C-PCB-114	2.32e+07	1.60 y	39:10	1.34	91.4		2.50				91.4
PCB-105	1.20e+07	1.53 y	39:60	1.23	44.0		2.50	-	-	*	
13C-PCB-105	2.21e+07	1.63 y	39:60	1.33	87.9		2.50				87.9
PCB-126	1.16e+07	1.55 y	42:07	1.20	45.7		2.50	-	-	*	
13C-PCB-126	2.12e+07	1.57 y	42:07	1.20	93.1		2.50				93.1
PCB-167	1.07e+07	1.26 y	43:30	1.21	46.5		2.50	-	-	*	
13C-PCB-167	1.91e+07	1.29 y	43:29	1.09	92.2		2.50				92.2
PCB-156	1.06e+07	1.30 y	44:43	1.29	44.6		2.50	-	-	*	
13C-PCB-156	1.84e+07	1.31 y	44:41	1.03	94.9		2.50				94.9
PCB-157	1.06e+07	1.28 y	44:58	1.24	45.0		2.50	-	-	*	
13C-PCB-157	1.89e+07	1.29 y	44:58	1.09	91.6		2.50				91.6
PCB-169	9.72e+06	1.24 y	46:50	1.17	47.9		2.50	-	-	*	
13C-PCB-169	1.73e+07	1.28 y	46:48	0.94	96.9		2.50				96.9
PCB-188	9.56e+06	1.06 y	39:48	1.10	48.8		2.50	-	-	*	
13C-PCB-188	1.79e+07	1.07 y	39:47	1.06	89.0		2.50				89.0
PCB-189	7.63e+06	1.02 y	48:28	1.08	49.4		2.50	-	-	*	
13C-PCB-189	1.43e+07	1.07 y	48:28	0.81	93.0		2.50				93.0
PCB-202	7.61e+06	0.90 y	44:54	1.07	50.6		2.50	-	-	*	
13C-PCB-202	1.40e+07	0.92 y	44:53	0.80	92.4		2.50				92.4
13C-PCB-178	1.11e+07	1.12 y	42:25	0.75	78.1		2.50				78.1
13C-PCB-138	1.89e+07	1.29 y	41:37	-	55.2		2.50				

FAL ID: 05499-001-0001-OPR Filename: 09NOV20Z Sam:2 Acquired: 9-NOV-20 13:00:34 ICal: DAILY209FAL4-11-9-20 2 of 2
Client ID: OPR ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 1.000

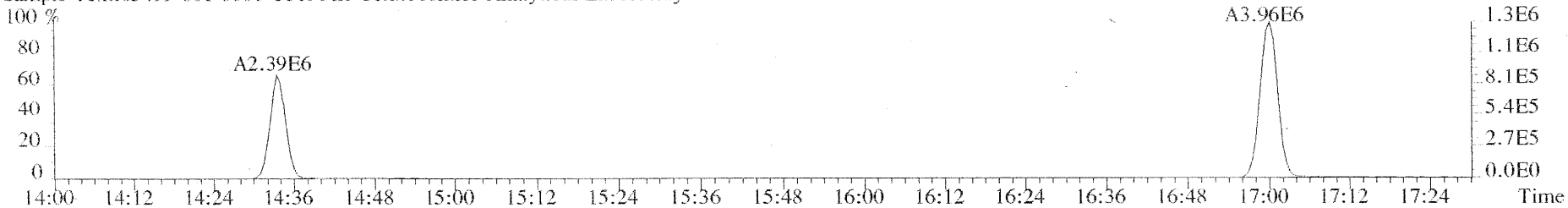
PCB-205	1.07e+07	0.91 y	50:07	1.20	46.8	2.50	-	-	*	
13C-PCB-205	1.91e+07	0.89 y	50:07	1.12	98.1	2.50				98.1
PCB-208	9.57e+06	1.36 y	49:13	1.08	49.0	2.50	-	-	*	
13C-PCB-208	1.80e+07	0.81 y	49:12	1.19	87.4	2.50				87.4
PCB-206	7.17e+06	1.36 y	51:19	1.13	49.4	2.50	-	-	*	
13C-PCB-206	1.29e+07	0.82 y	51:19	0.80	92.3	2.50				92.3
PCB-209	8.12e+06	1.21 y	52:31	1.20	49.1	2.50	-	-	*	
13C-PCB-209	1.38e+07	1.22 y	52:30	0.88	90.4	2.50				90.4
13C-PCB-194	1.73e+07	0.93 y	49:52	-	58.0	2.50				

Analyst: _____ Date: 11/10/21

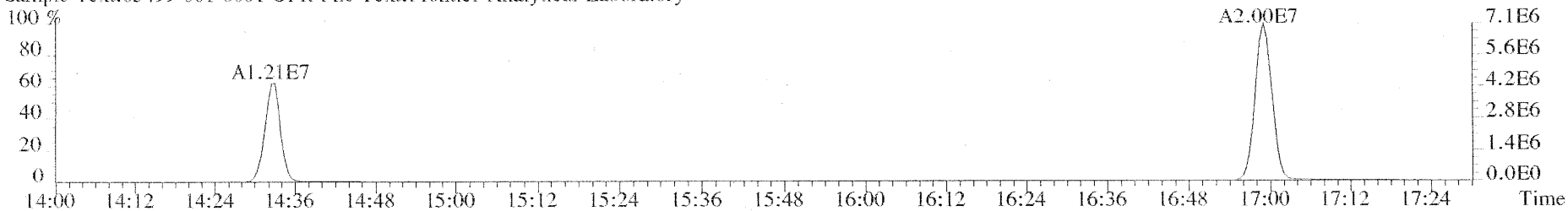
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



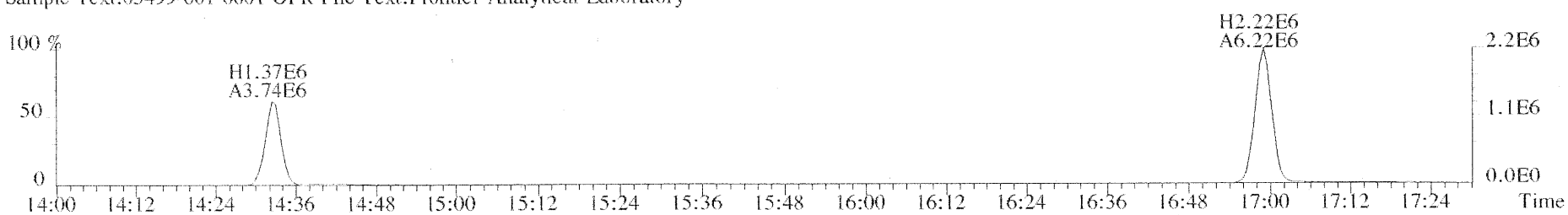
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



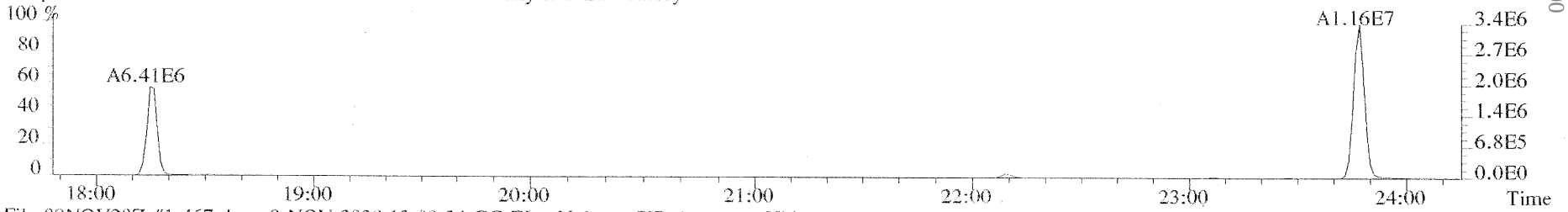
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



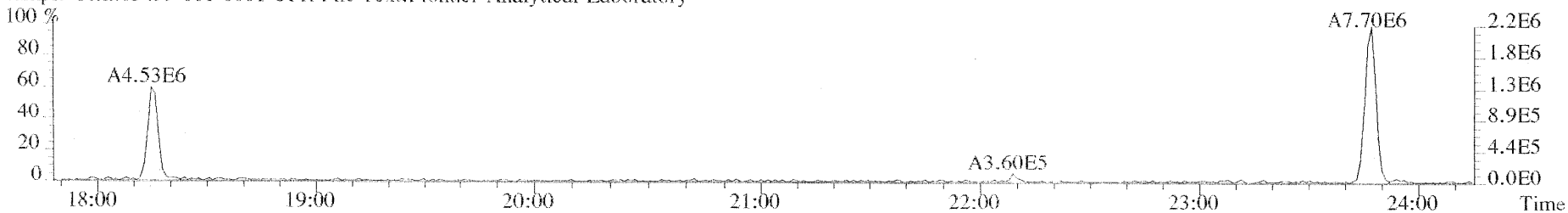
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



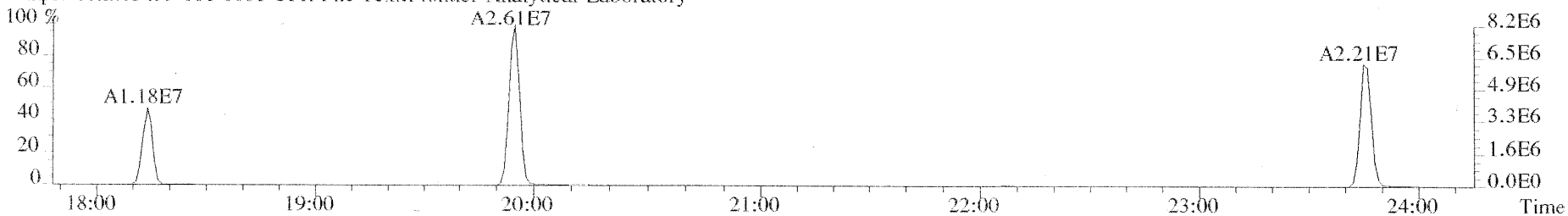
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



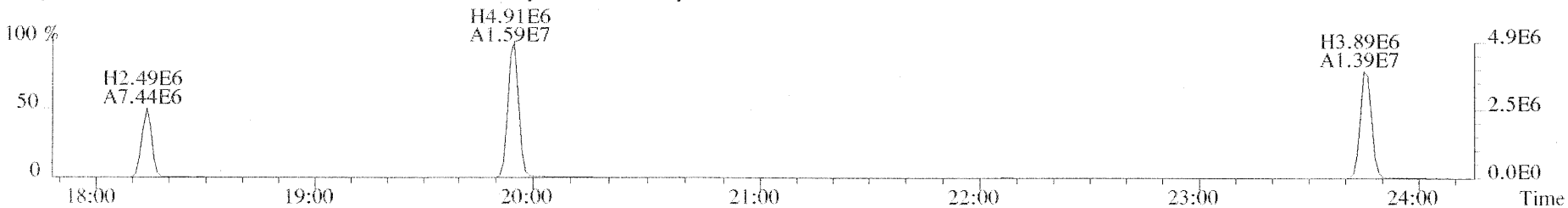
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



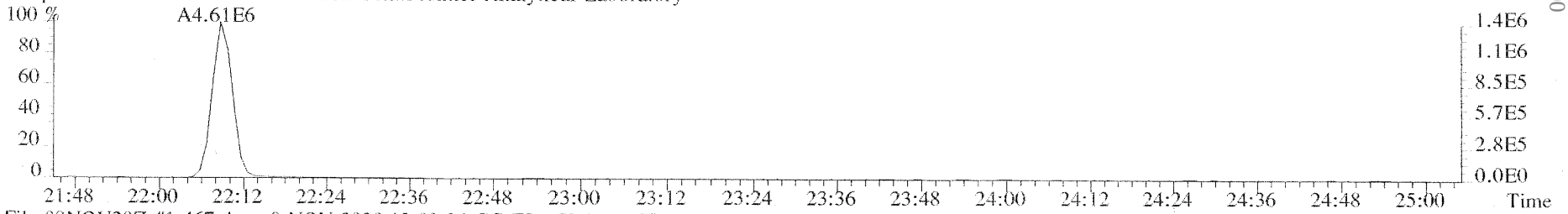
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



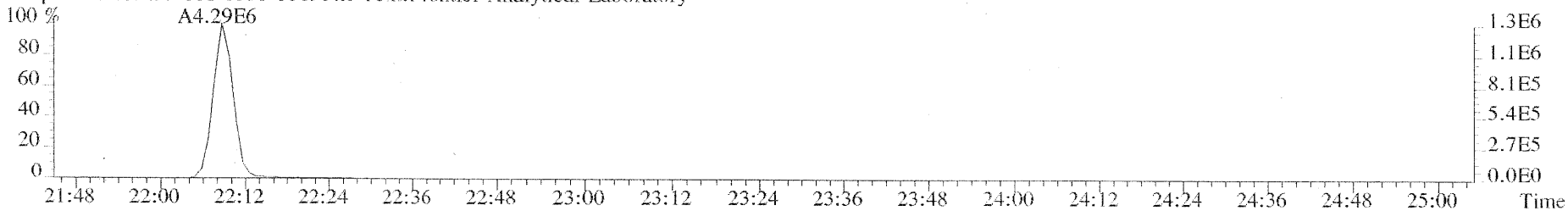
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



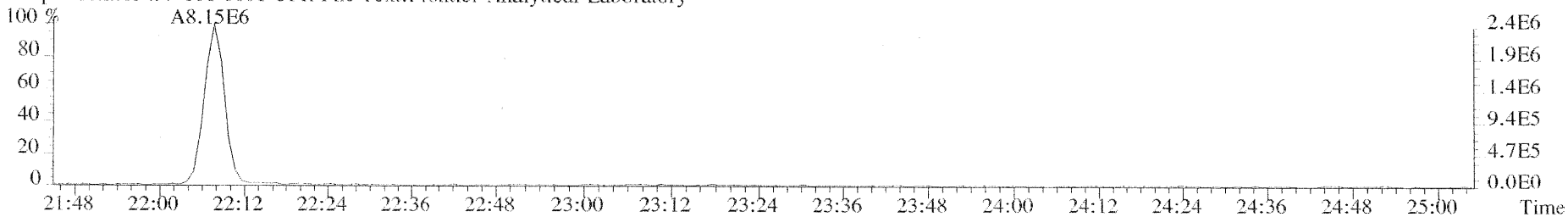
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



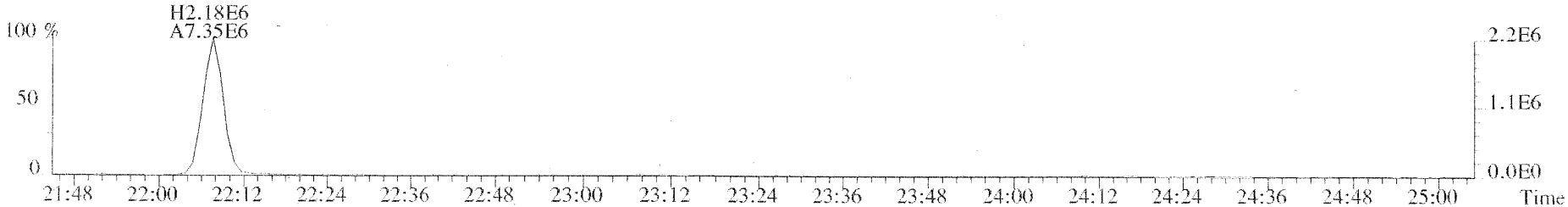
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



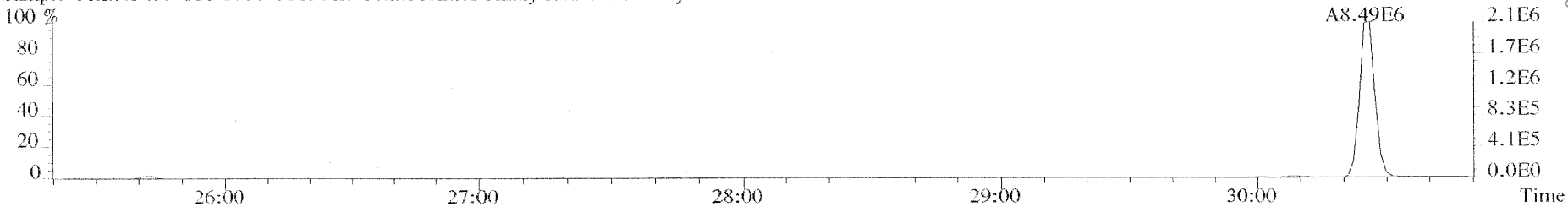
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



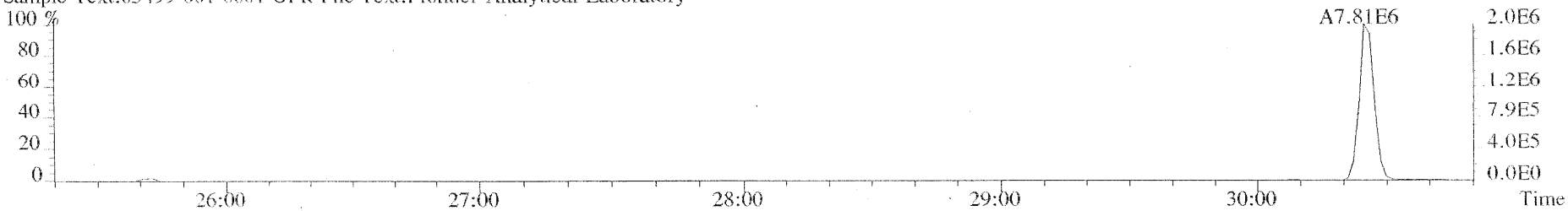
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



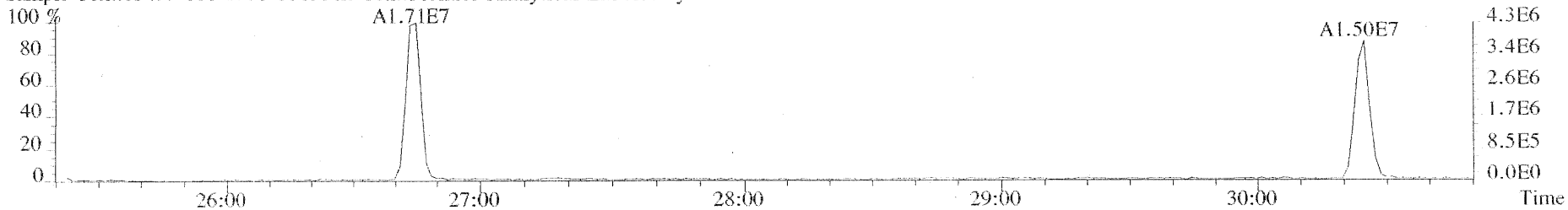
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



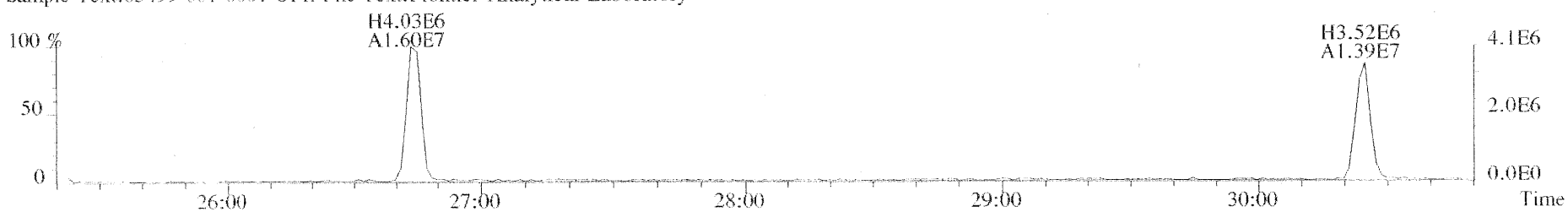
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



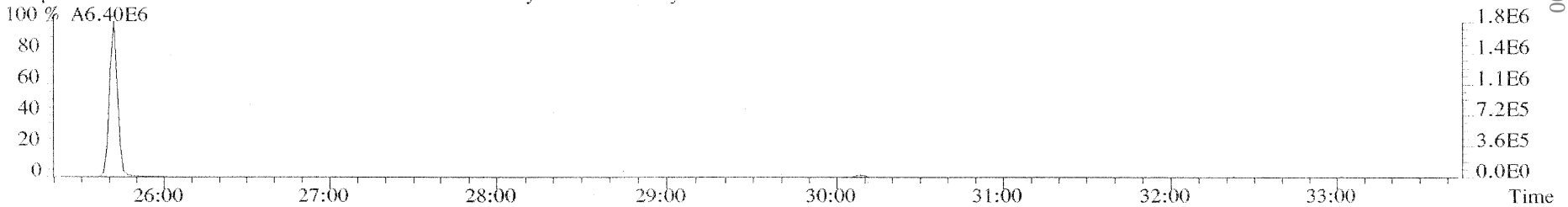
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



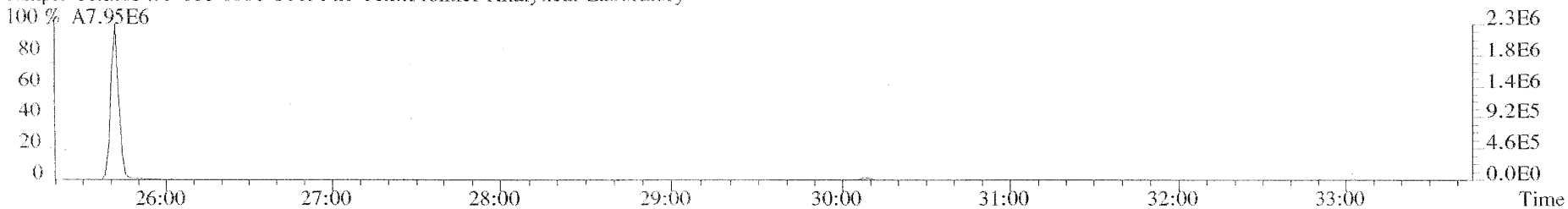
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



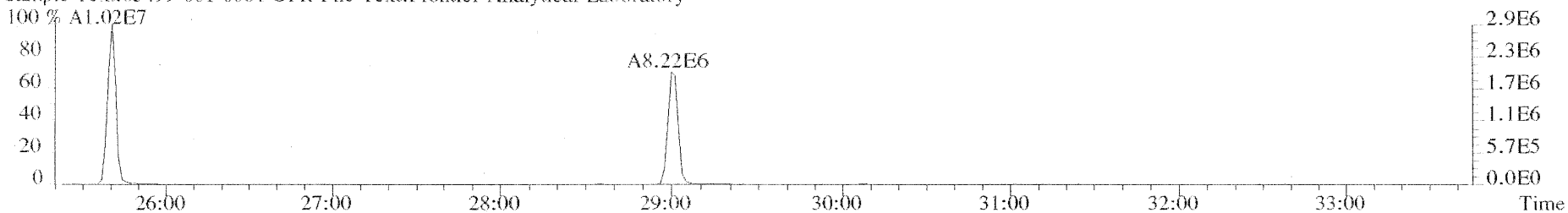
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



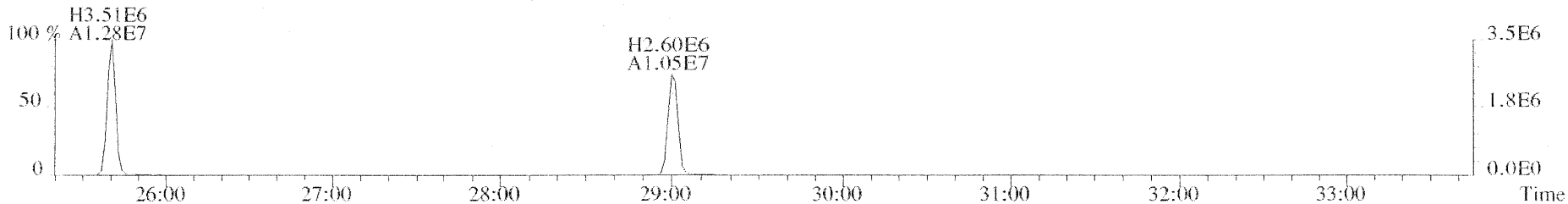
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



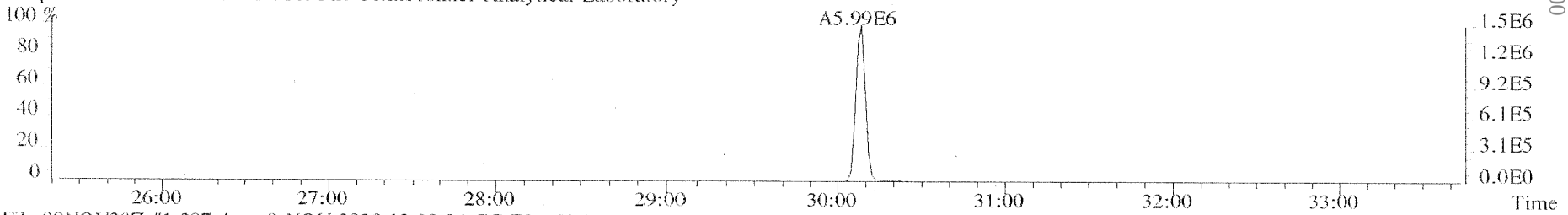
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



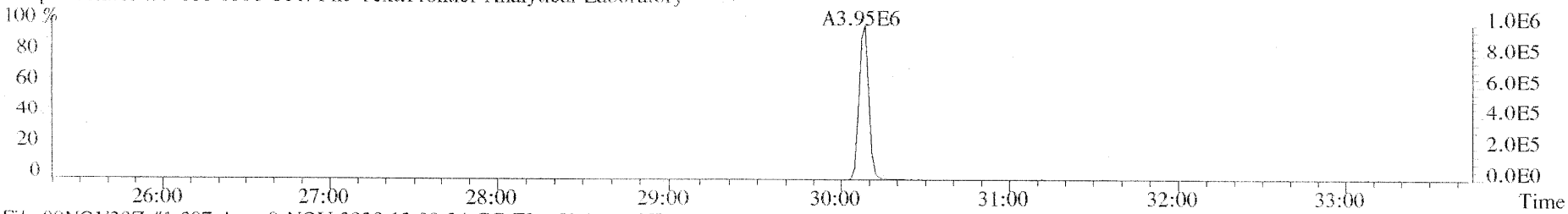
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



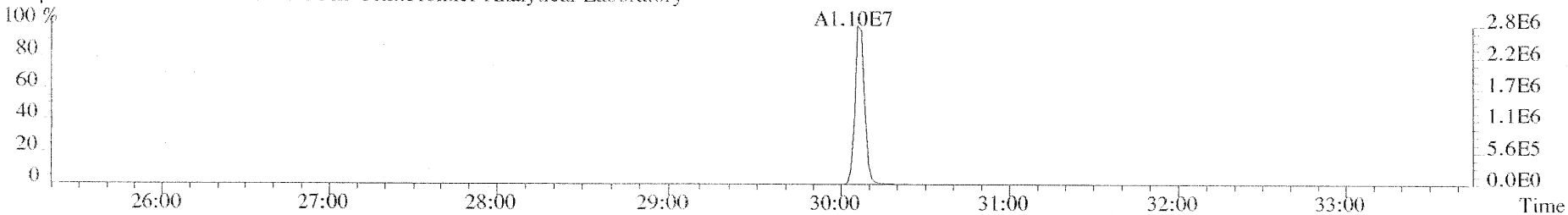
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



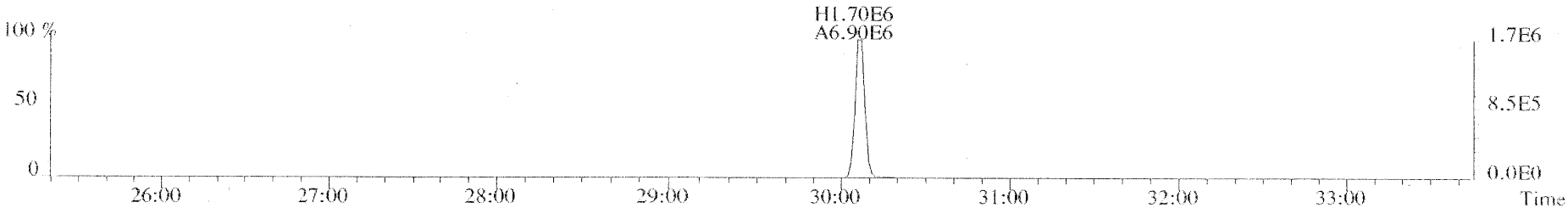
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



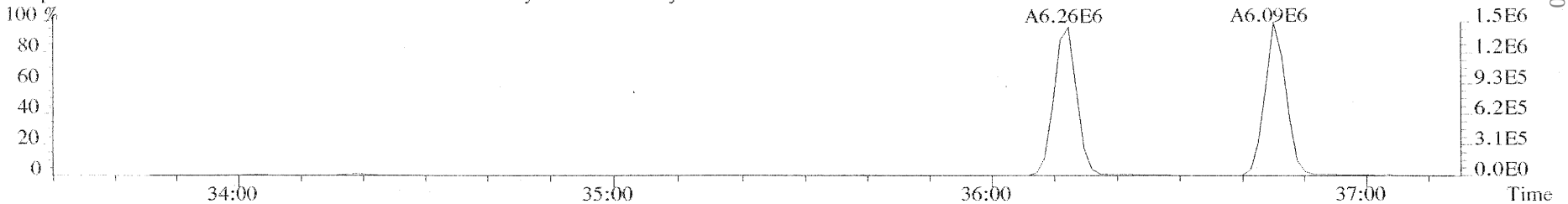
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



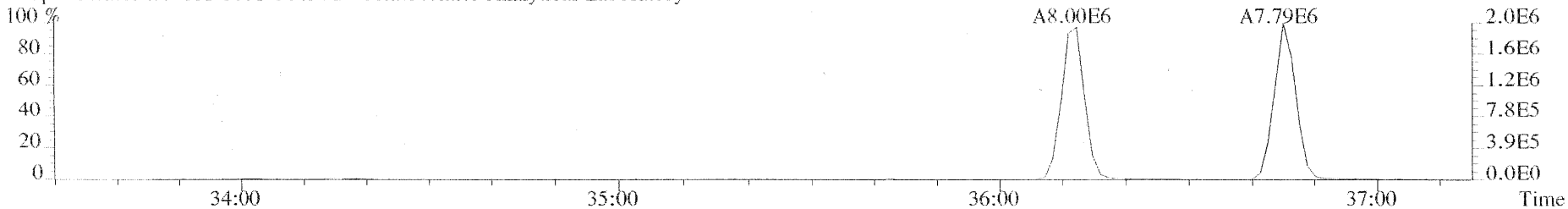
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



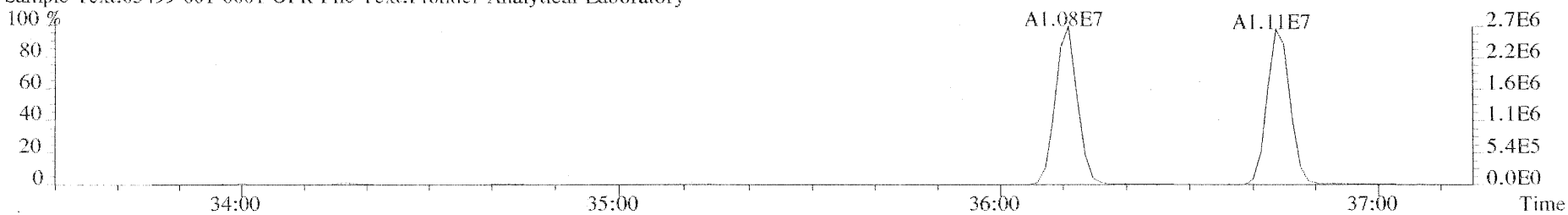
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



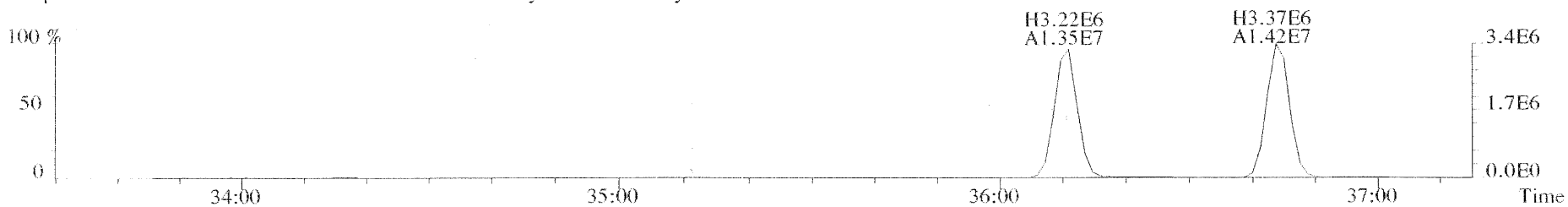
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



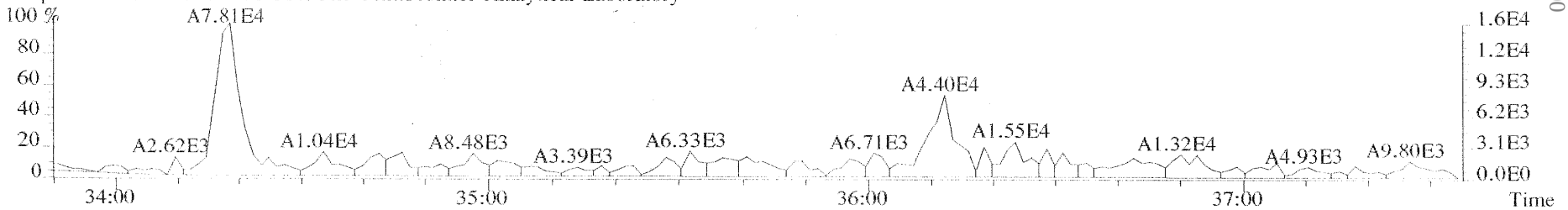
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



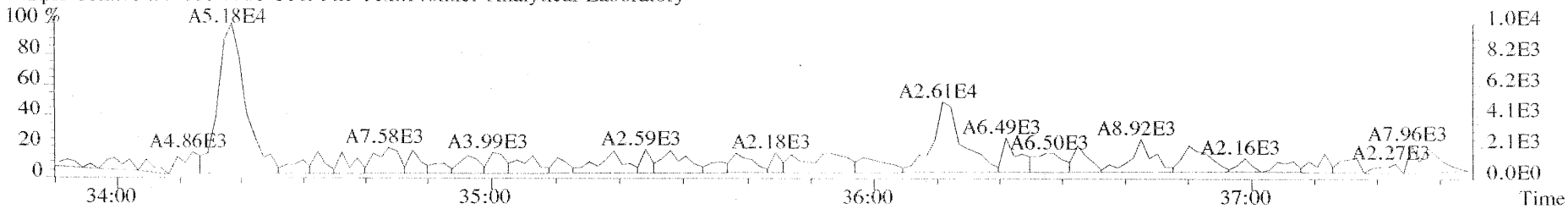
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



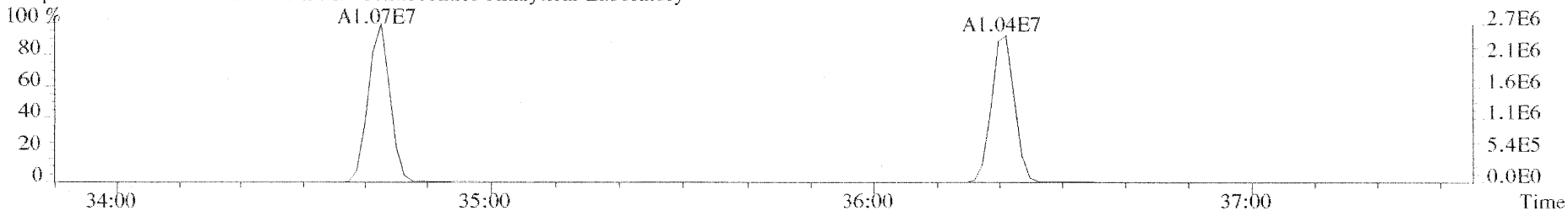
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



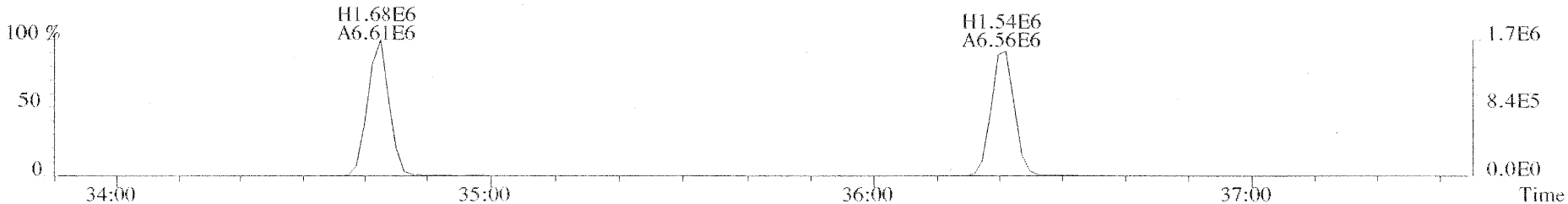
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



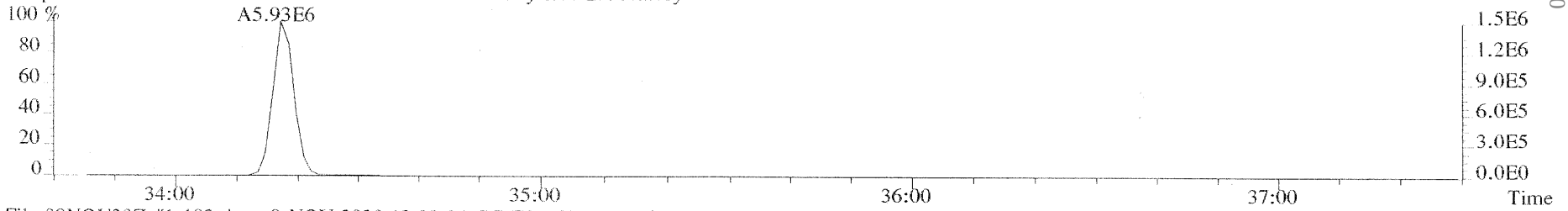
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



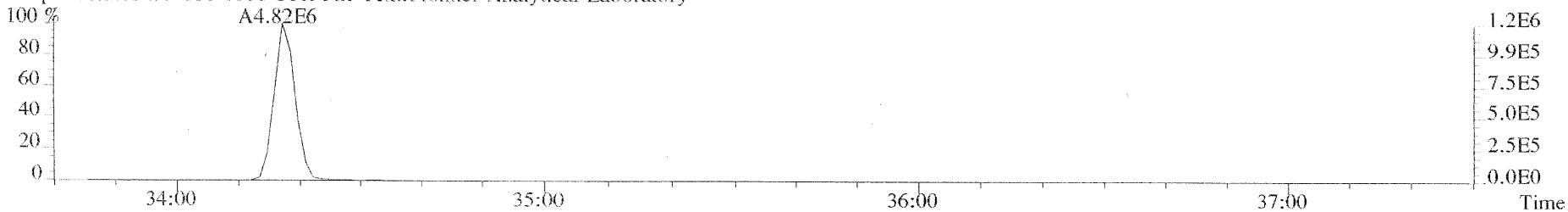
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



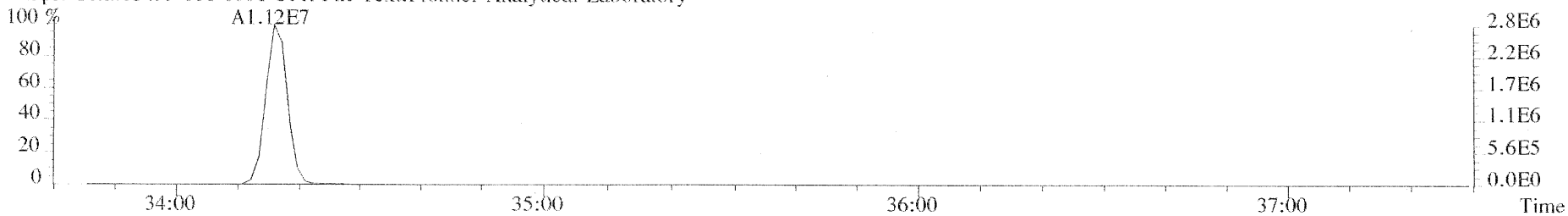
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



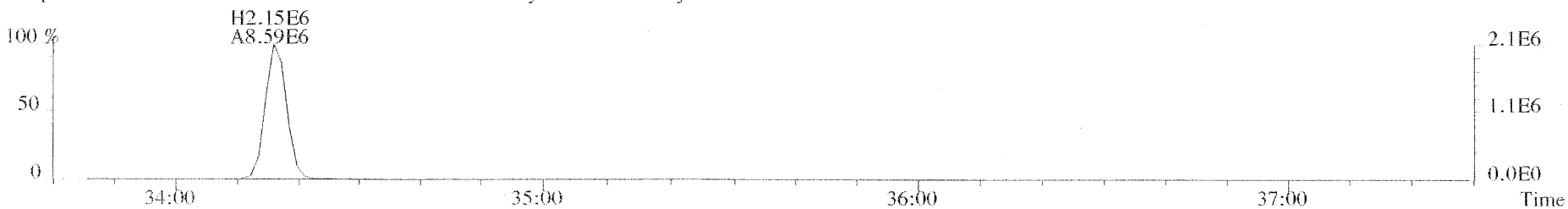
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



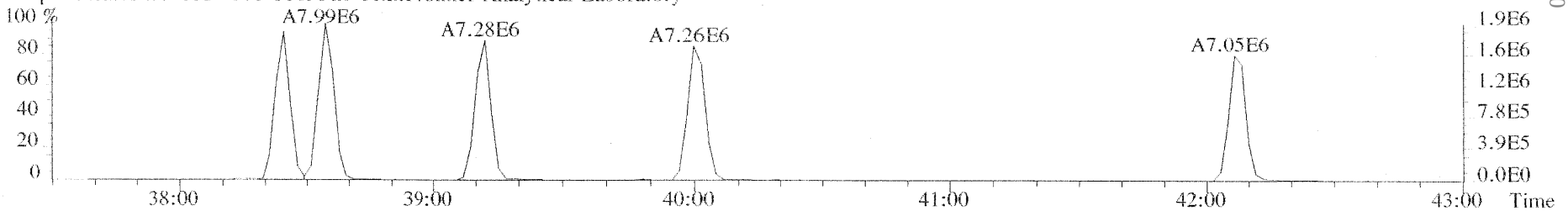
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



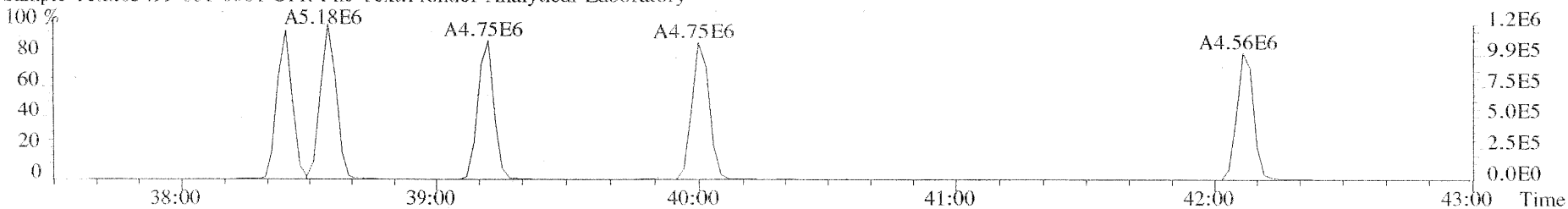
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



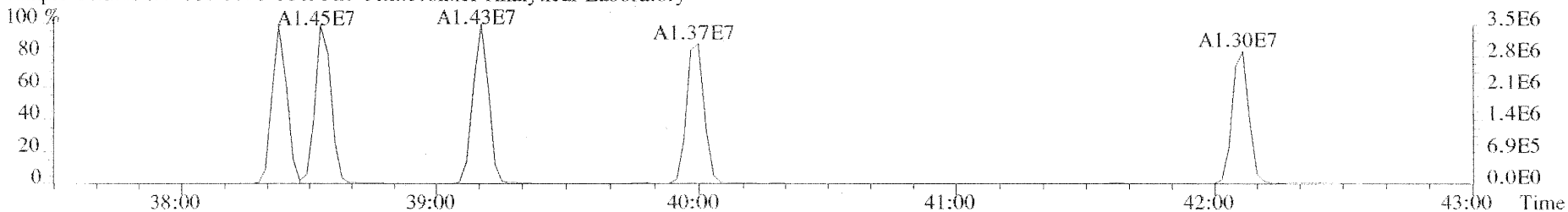
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



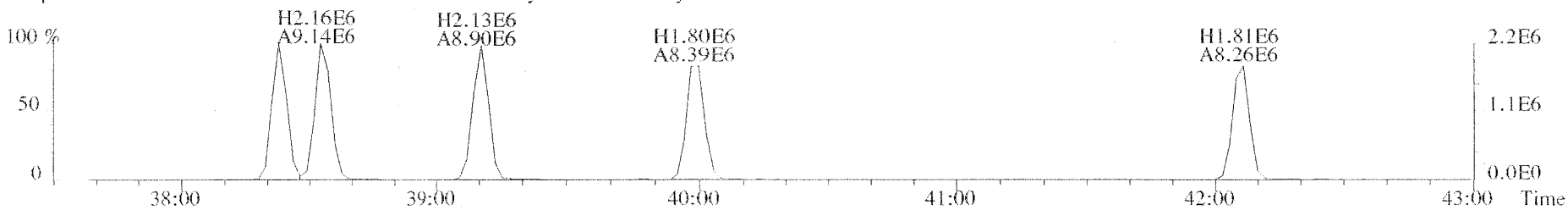
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



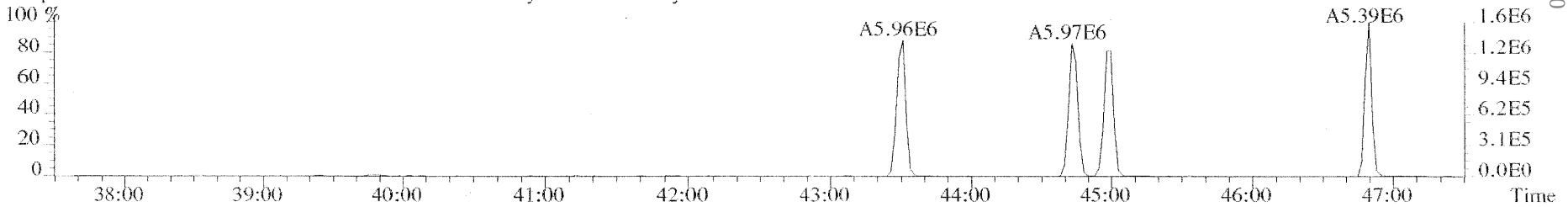
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



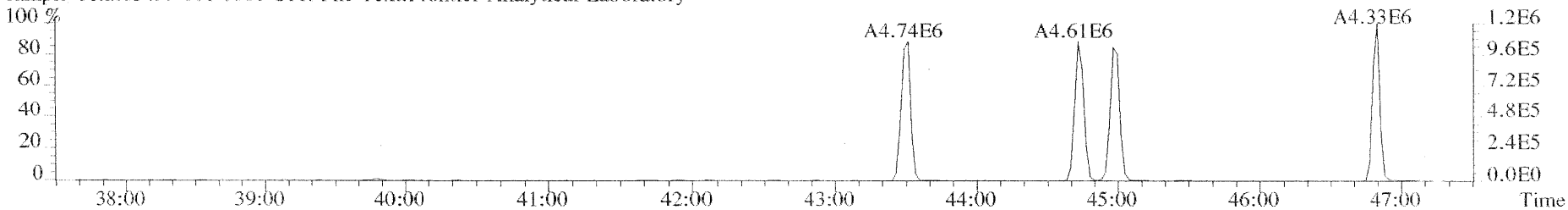
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



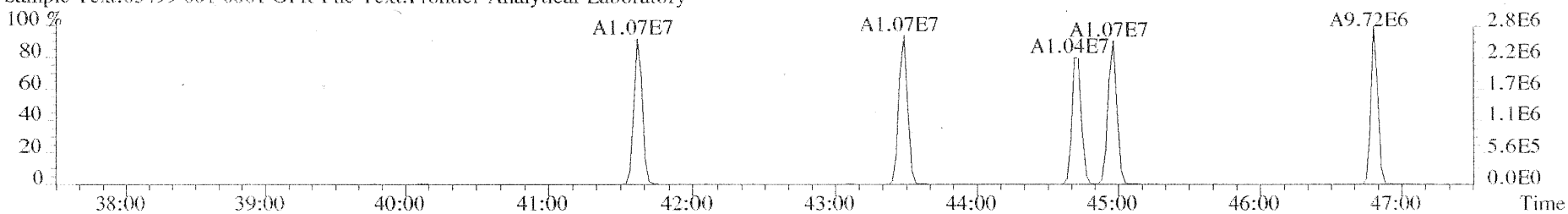
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



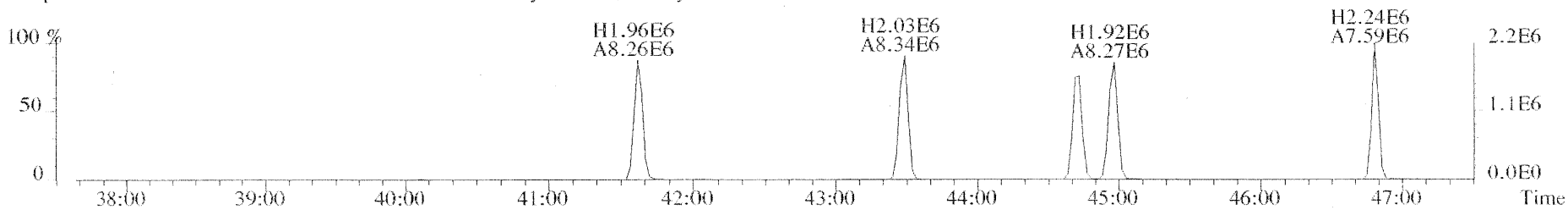
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



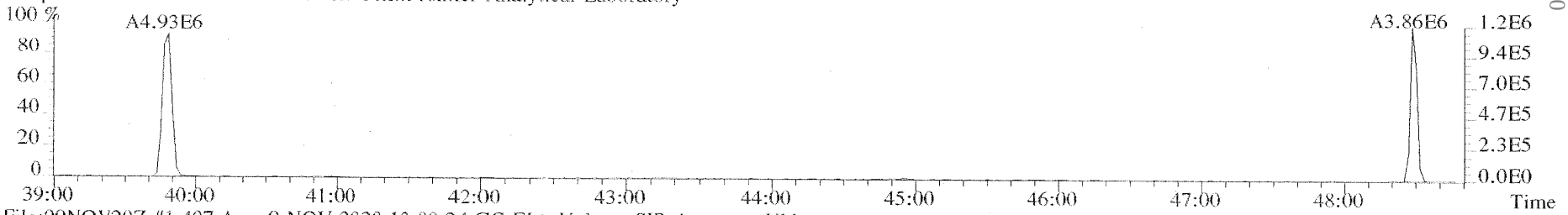
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



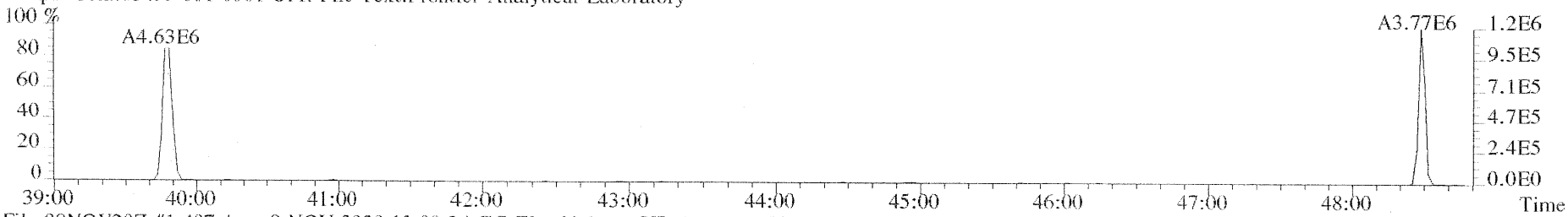
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



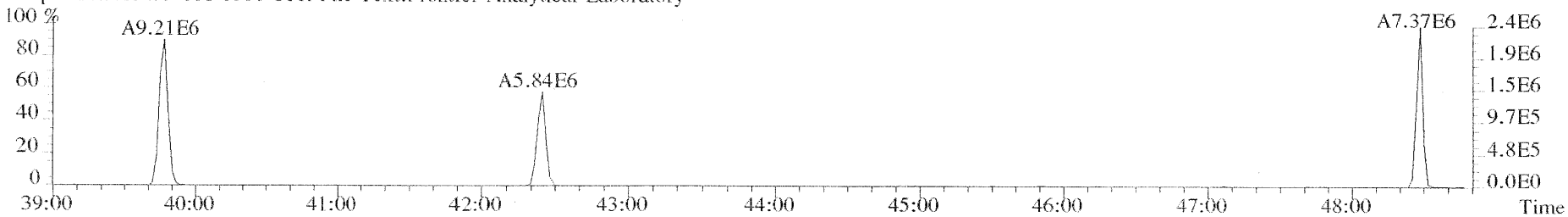
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



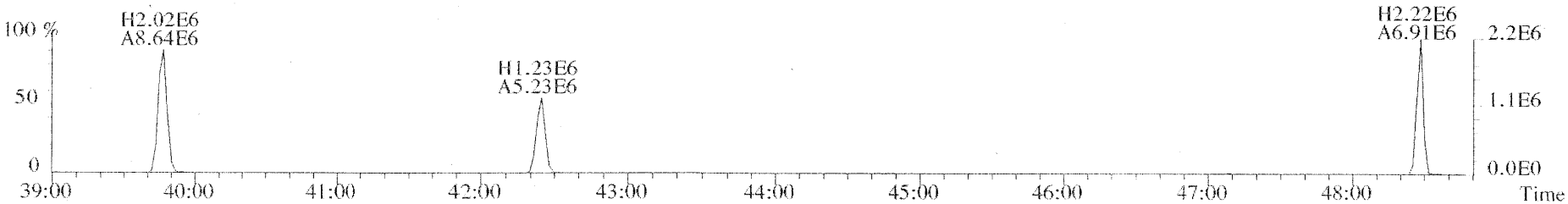
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



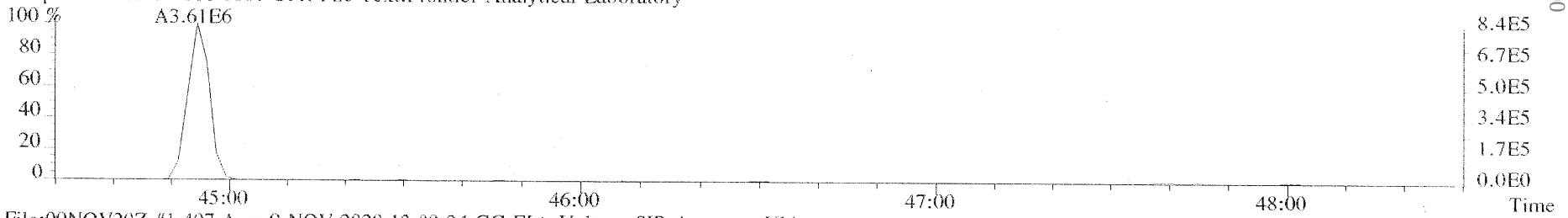
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



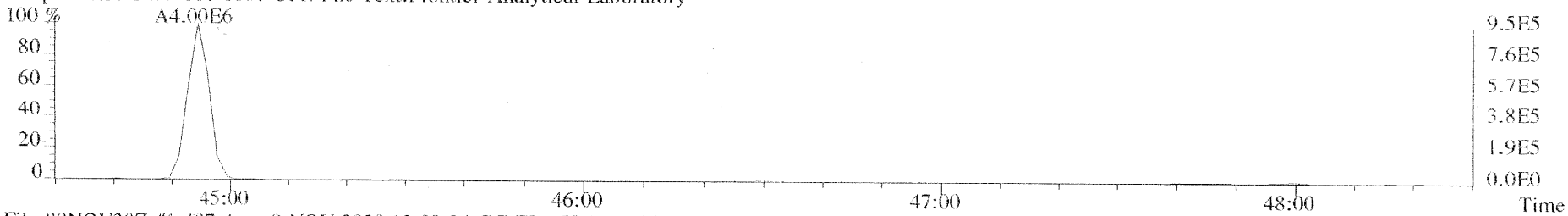
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



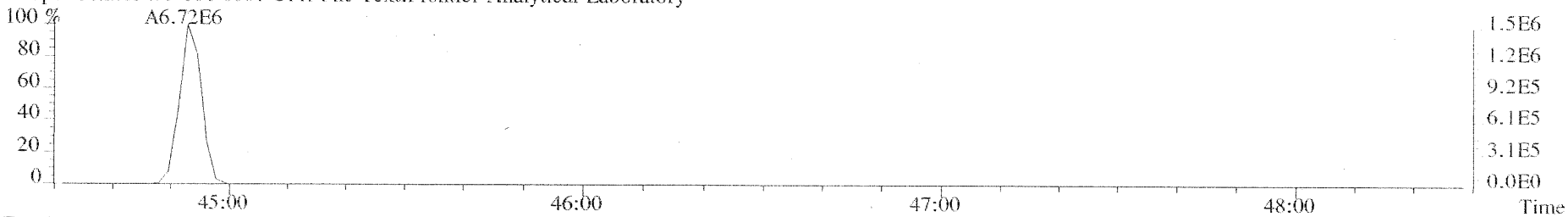
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



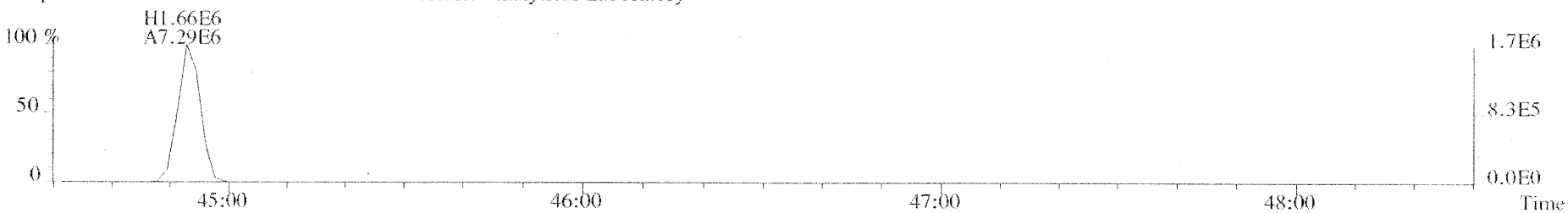
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



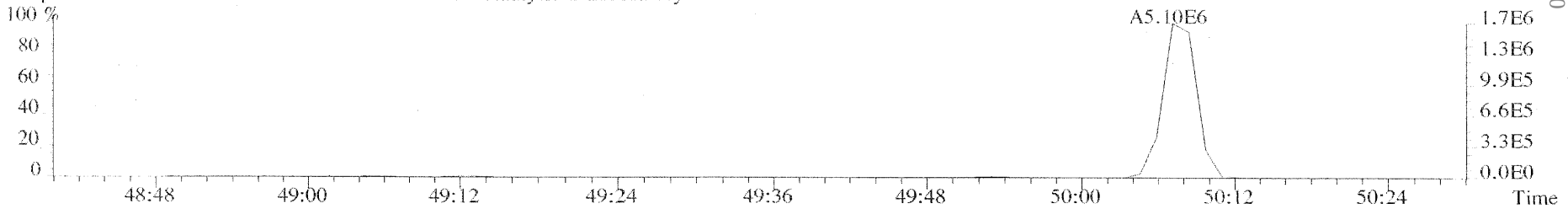
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



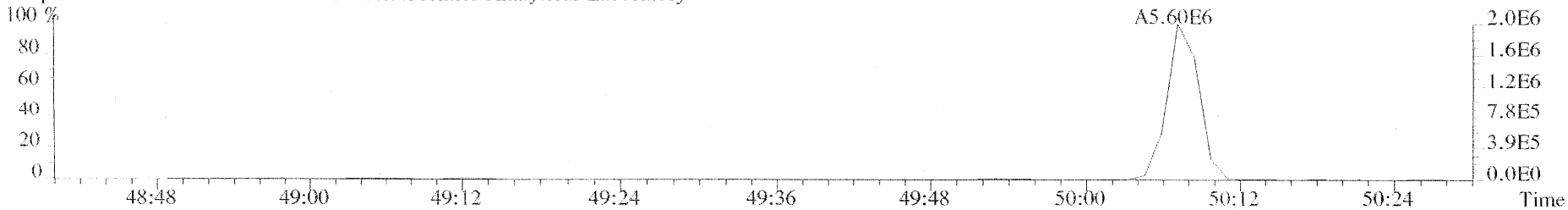
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



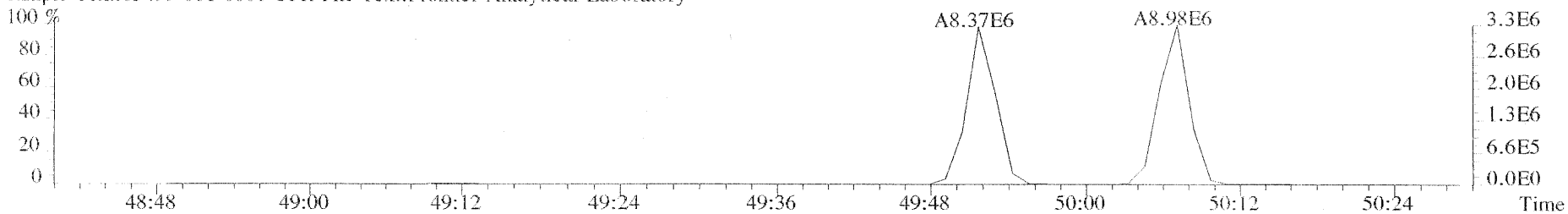
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



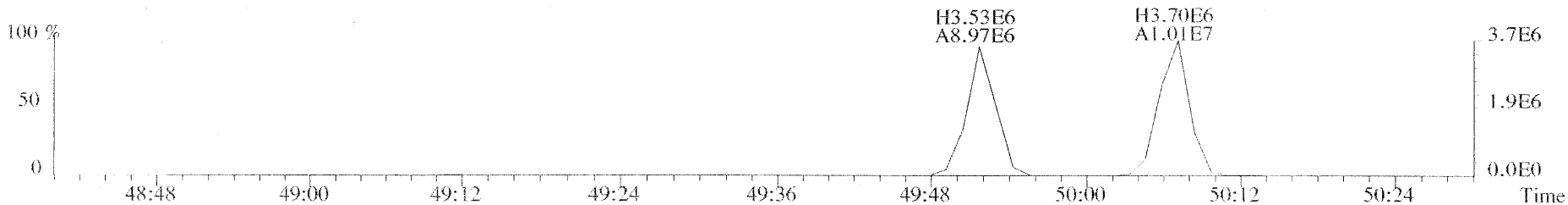
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



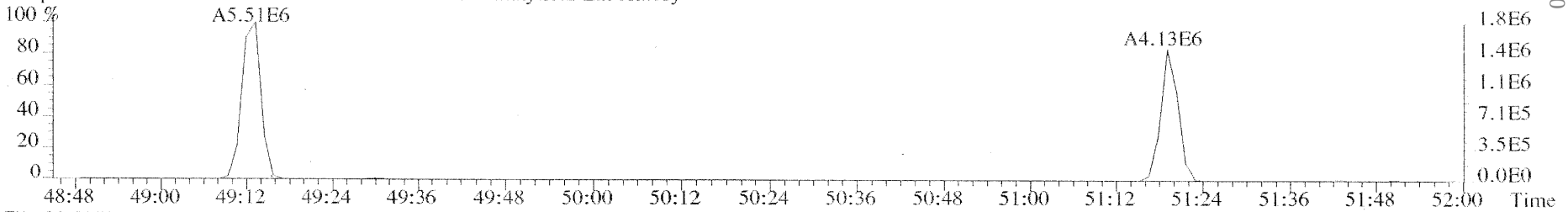
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



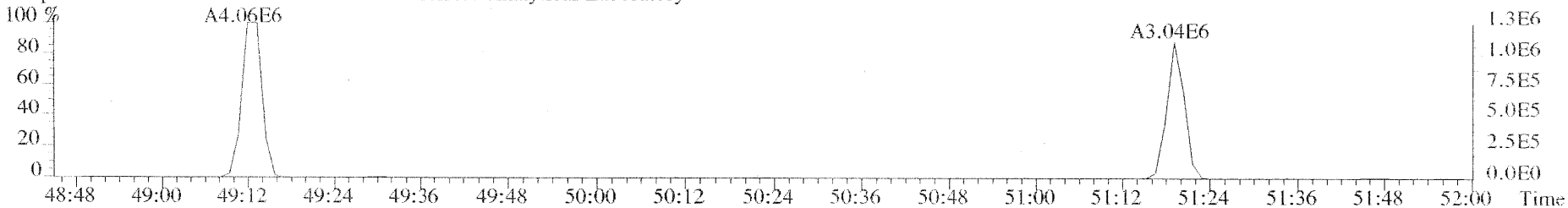
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



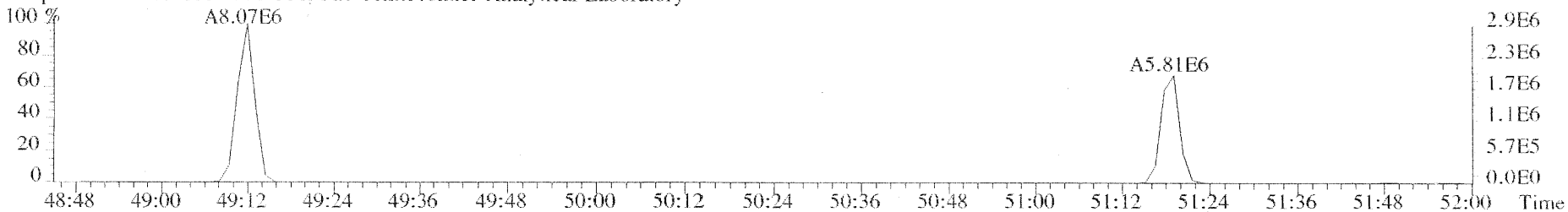
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



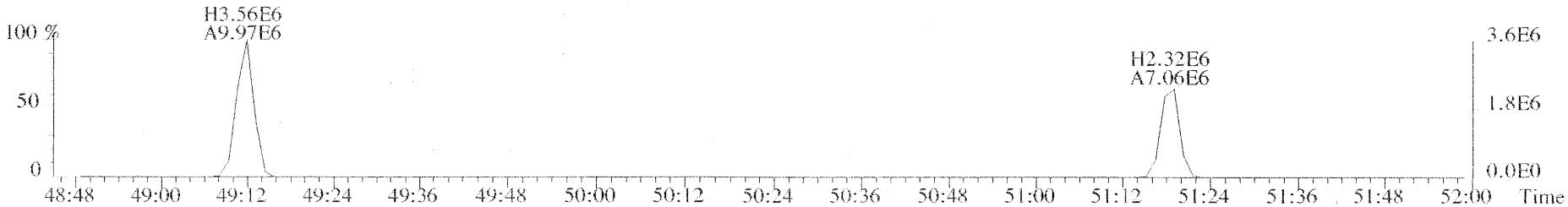
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



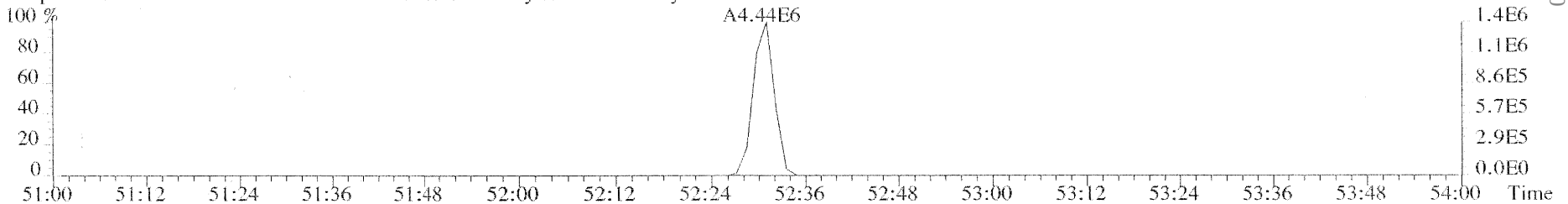
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



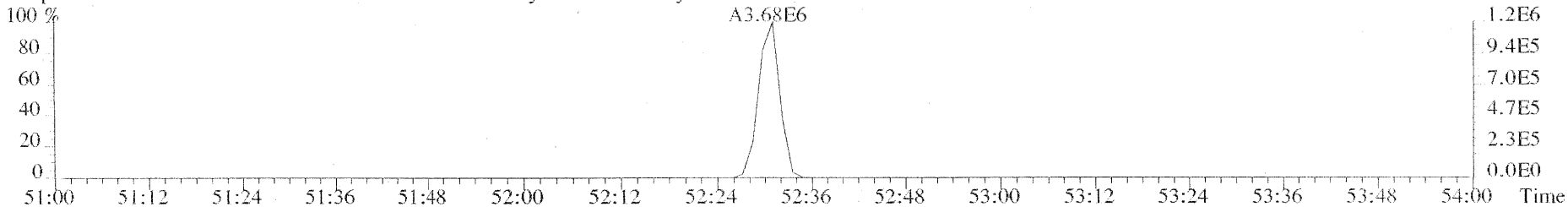
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



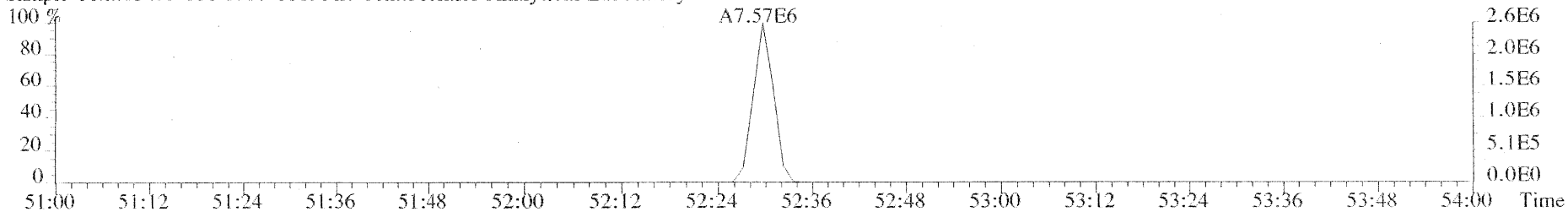
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



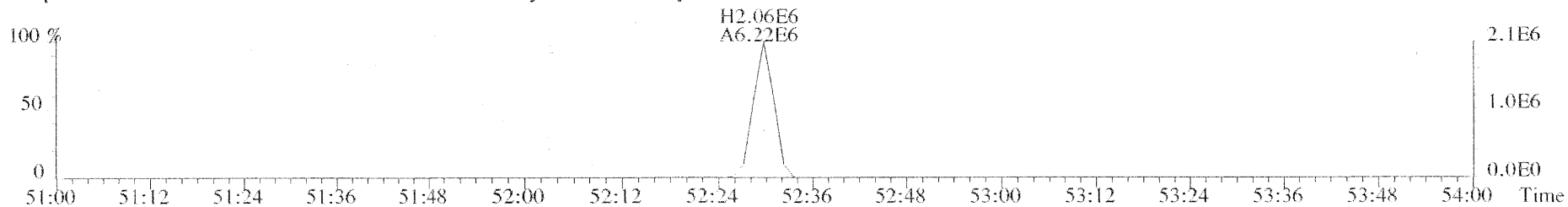
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 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:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 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:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 13380-007-0001-SA Filename: 10NOV20Z Sam:11 Acquired: 10-NOV-20 17:12:45 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-LBS-SU-ENR-A-WORM ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13380-7A GC Column: DB1MS Amount: 10.00

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	3.90e+04	2.66 y	14:35	1.23	1.96	J	-	-	*			
13C-PCB-1	1.61e+07	3.15 y	14:33	0.89	560					56.0	4.74e+06	1.50e+06
PCB-2	*	* n	NotFnd	1.25	*		1170	1100	0.710			
PCB-3	3.09e+04	3.16 y	17:00	1.21	1.32	J	-	-	*			
13C-PCB-3	1.93e+07	3.23 y	16:59	0.87	687					68.7	5.01e+06	1.54e+06
PCB-4	5.74e+04	1.52 y	18:15	0.97	3.63		-	-	*			
PCB-10	6.70e+04	1.46 y	18:18	1.52	1.90	J	-	-	*			
13C-PCB-4	1.62e+07	1.60 y	18:14	0.65	766					76.6	3.41e+06	2.07e+06
PCB-9	2.15e+05	1.46 y	19:56	1.41	6.54		-	-	*			
PCB-7	1.96e+05	1.49 y	19:58	1.43	5.92		-	-	*			
PCB-6	8.01e+05	1.50 y	20:33	1.32	26.1		-	-	*			
PCB-8	3.55e+06	1.45 y	20:56	1.38	111		-	-	*			
PCB-5	*	* n	NotFnd	1.34	*		650	3240	1.04			
PCB-14	*	* n	NotFnd	1.39	*		650	3240	1.00			
PCB-11	4.63e+05	1.49 y	23:07	1.24	16.1		-	-	*			
PCB-13	9.23e+04	1.49 y	23:26	1.29	3.08		-	-	*			
PCB-12	1.63e+05	1.56 y	23:27	1.32	5.35		-	-	*			
PCB-15	1.12e+06	1.49 y	23:47	1.18	31.5		-	-	*			
13C-PCB-15	3.02e+07	1.63 y	23:45	0.96	969					96.9	5.15e+06	3.12e+06
PCB-19	4.59e+05	1.19 y	22:09	1.35	30.3		-	-	*			
PCB-30	*	* n	NotFnd	2.01	*		1580	608	0.814			
PCB-18	3.93e+06	1.10 y	23:41	1.34	260		-	-	*			
PCB-17	4.20e+06	1.09 y	23:52	1.48	254		-	-	*			
PCB-27	5.81e+05	1.09 y	24:22	1.94	26.8		-	-	*			
PCB-24	6.36e+05	1.16 y	24:23	1.93	29.4		-	-	*			
PCB-16	2.41e+06	1.05 y	24:52	1.64	131		-	-	*			
PCB-32	4.02e+06	1.17 y	24:54	1.69	212		-	-	*			
13C-PCB-19	1.12e+07	1.13 y	22:07	0.45	775					77.5	1.73e+06	1.61e+06
13C-PCB-9	3.24e+07	1.61 y	19:54	-	4.49							
PCB-34	2.09e+05	1.11 y	25:39	1.27	7.29		-	-	*			
PCB-23	4.73e+04	1.18 y	25:45	1.31	1.60	J	-	-	*			
PCB-29	1.74e+05	1.06 y	25:58	1.30	5.92		-	-	*			
PCB-26	5.38e+06	1.08 y	26:09	1.22	195		-	-	*			
PCB-25	2.57e+06	1.04 y	26:18	1.21	94.5		-	-	*			
PCB-31	2.08e+07	1.06 y	26:40	1.18	779		-	-	*			
PCB-28	2.08e+07	1.08 y	26:45	1.51	612		-	-	*			
PCB-20	1.07e+07	1.08 y	27:21	1.21	389		-	-	*		Co-elute PCB 21/33	
PCB-21	1.07e+07	1.08 y	27:21	1.21	389		-	-	*		Co-elute PCB 20/33	
PCB-33	1.07e+07	1.08 y	27:21	1.21	389		-	-	*		Co-elute PCB 20/21	
PCB-22	6.68e+06	1.16 y	27:45	1.40	212		-	-	*			
PCB-36	*	* n	NotFnd	1.23	*		1060	980	0.768			
PCB-39	4.63e+04	1.00 y	28:46	1.21	1.70	J	-	-	*			
PCB-38	3.23e+05	1.08 y	29:30	1.17	12.2		-	-	*			
PCB-35	1.91e+05	1.05 y	29:59	1.14	7.45		-	-	*			
PCB-37	3.17e+06	1.08 y	30:26	1.20	117		-	-	*			
13C-PCB-37	2.26e+07	1.08 y	30:23	1.40	935					93.5	2.77e+06	2.62e+06

PCB-54	6.97e+04	0.87	y	25:41	1.24	3.36	-	-	*			
PCB-50	1.16e+05	0.73	y	26:47	0.92	7.57	-	-	*			
PCB-53	2.83e+06	0.78	y	27:24	0.91	185	-	-	*			
PCB-51	7.59e+05	0.77	y	27:44	0.98	46.2	-	-	*			
PCB-45	2.00e+06	0.78	y	28:08	0.79	151	-	-	*			
PCB-46	8.42e+05	0.80	y	28:36	0.78	64.7	-	-	*			
PCB-52	3.66e+07	0.78	y	29:01	0.91	2400	-	-	*	Co-elute PCB 69		
PCB-69	3.66e+07	0.78	y	29:01	0.91	2400	-	-	*	Co-elute PCB 52		
PCB-73	5.06e+05	0.83	y	29:07	1.23	24.7	-	-	*			
PCB-43	2.34e+07	0.78	y	29:19	0.82	1700	-	-	*	Co-elute PCB 49		
PCB-49	2.34e+07	0.78	y	29:19	0.82	1700	-	-	*	Co-elute PCB 43		
PCB-47	7.68e+06	0.77	y	29:30	0.90	509	-	-	*			
PCB-48	6.03e+06	0.78	y	29:37	1.05	342	-	-	*	Co-elute PCB 75		
PCB-75	6.03e+06	0.78	y	29:37	1.05	342	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.09	*	776	850	0.864			
PCB-62	*	*	n	NotFnd	1.12	*	776	850	0.838			
PCB-44	1.85e+07	0.78	y	30:14	0.73	1510	-	-	*			
PCB-42	7.77e+06	0.77	y	30:28	0.96	484	-	-	*	Co-elute PCB 59		
PCB-59	7.77e+06	0.77	y	30:28	0.96	484	-	-	*	Co-elute PCB 42		
PCB-72	1.67e+07	0.77	y	31:01	1.05	954	-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.67e+07	0.77	y	31:01	1.05	954	-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.67e+07	0.77	y	31:01	1.05	954	-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.67e+07	0.77	y	31:01	1.05	954	-	-	*	Co-elute PCB 72/41/71		
PCB-68	3.61e+05	0.75	y	31:16	1.28	16.9	-	-	*			
PCB-40	2.94e+06	0.76	y	31:28	0.69	256	-	-	*			
PCB-57	2.11e+05	0.76	y	31:49	1.13	11.2	-	-	*			
PCB-67	1.02e+06	0.72	y	32:06	1.17	52.4	-	-	*			
PCB-58	1.45e+05	0.76	y	32:12	1.13	7.70	-	-	*			
PCB-63	1.19e+06	0.73	y	32:22	1.13	62.5	-	-	*			
PCB-74	1.01e+07	0.78	y	32:39	1.15	523	-	-	*			
PCB-61	2.46e+07	0.76	y	32:50	1.06	1390	-	-	*	Co-elute PCB 70		
PCB-70	2.46e+07	0.76	y	32:50	1.06	1390	-	-	*	Co-elute PCB 61		
PCB-76	2.15e+07	0.79	y	33:01	1.21	1070	-	-	*	Co-elute PCB 66		
PCB-66	2.15e+07	0.79	y	33:01	1.21	1070	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.37	*	776	850	0.686			
PCB-55	5.28e+05	0.78	y	33:32	1.19	26.5	-	-	*			
13C-PCB-54	1.67e+07	0.80	y	25:39	1.24	780					78.0	1.89e+06	2.45e+06
PCB-104	*	*	n	NotFnd	1.14	*	380	436	0.553			
PCB-96	2.35e+05	1.50	y	31:19	1.10	15.9	-	-	*			
PCB-103	7.93e+05	1.57	y	31:49	0.90	65.3	-	-	*			
PCB-100	2.42e+05	1.66	y	32:10	0.91	19.8	-	-	*			
PCB-94	1.50e+05	1.46	y	32:36	0.76	14.7	-	-	*			
PCB-98	*	*	n	NotFnd	0.78	*	380	436	0.807	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.78	*	380	436	0.807	Co-elute PCB 98		
PCB-95	2.39e+07	1.54	y	33:06	0.84	2110	-	-	*			
PCB-93	*	*	n	NotFnd	0.78	*	380	436	0.806			
PCB-88	3.12e+06	1.54	y	33:29	0.89	260	-	-	*	Co-elute PCB 91		
PCB-91	3.12e+06	1.54	y	33:29	0.89	260	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	0.98	*	380	436	0.644			
13C-PCB-104	1.35e+07	1.61	y	30:06	0.98	797					79.7	2.00e+06	1.23e+06
13C-PCB-28	3.23e+07	1.08	y	26:43	1.74	1080					108	4.49e+06	4.19e+06
13C-PCB-52	1.72e+07	0.80	y	28:60	-	4.43							

PCB-56	1.48e+07	0.80	y	34:01	1.23	566	-	-	*		Co-elute PCB 60
PCB-60	1.48e+07	0.80	y	34:01	1.23	566	-	-	*		Co-elute PCB 56
PCB-79	6.69e+05	0.73	y	35:02	1.25	25.0	-	-	*		
PCB-78	*	*	n	NotFnd	1.23	*	687	880	0.688		
PCB-81	8.97e+05	0.76	y	36:13	1.25	35.1	-	-	*		
13C-PCB-81	2.04e+07	0.80	y	36:11	1.33	999				99.9	2.02e+06 2.44e+06
PCB-77	1.25e+06	0.80	y	36:45	1.11	50.7	-	-	*		
13C-PCB-77	2.23e+07	0.79	y	36:45	1.39	1050				105	2.12e+06 2.68e+06
PCB-155	*	*	n	NotFnd	1.10	*	564	460	0.695		
PCB-150	1.16e+05	1.40	y	35:28	1.04	7.74	-	-	*		
PCB-152	4.36e+04	1.38	y	35:57	1.01	3.00	-	-	*		
PCB-145	*	*	n	NotFnd	1.02	*	564	460	0.748		
PCB-136	5.10e+06	1.25	y	36:40	0.99	355	-	-	*		
PCB-148	*	*	n	NotFnd	0.78	*	564	460	0.982		
PCB-154	8.79e+05	1.27	y	37:14	0.88	69.0	-	-	*		
13C-PCB-155	1.45e+07	1.29	y	34:16	1.18	799				79.9	1.90e+06 1.45e+06
13C-PCB-111	1.82e+07	1.62	y	36:20	1.26	941				94.1	2.39e+06 1.47e+06
13C-PCB-101	1.53e+07	1.58	y	34:42	-	4.35					
PCB-84	1.51e+07	1.58	y	34:22	0.78	931	-	-	*		Co-elute PCB 92
PCB-92	1.51e+07	1.58	y	34:22	0.78	931	-	-	*		Co-elute PCB 84
PCB-89	3.44e+05	1.48	y	34:32	0.77	21.5	-	-	*		
PCB-90	4.16e+07	1.59	y	34:43	0.85	2350	-	-	*		Co-elute PCB 101
PCB-101	4.16e+07	1.59	y	34:43	0.85	2350	-	-	*		Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.96	*	1050	960	1.20		
PCB-99	1.79e+07	1.58	y	35:02	0.94	915	-	-	*		
PCB-119	1.75e+06	1.57	y	35:28	1.06	79.1	-	-	*		
PCB-83	1.95e+06	1.47	y	35:38	0.88	107	-	-	*		Co-elute PCB 112
PCB-112	1.95e+06	1.47	y	35:38	0.88	107	-	-	*		Co-elute PCB 83
PCB-109	*	*	n	NotFnd	1.04	*	1050	960	1.11		
PCB-97	9.73e+06	1.57	y	35:57	0.73	638	-	-	*		
PCB-86	*	*	n	NotFnd	0.76	*	1050	960	1.51		
PCB-125	1.26e+07	1.50	y	36:13	0.94	640	-	-	*		Co-elute PCB 87/117
PCB-87	1.26e+07	1.50	y	36:13	0.94	640	-	-	*		Co-elute PCB 125/117
PCB-117	1.26e+07	1.50	y	36:13	0.94	640	-	-	*		Co-elute PCB 125/87
PCB-111	5.49e+05	1.56	y	36:22	1.06	24.8	-	-	*		Co-elute PCB 115
PCB-115	5.49e+05	1.56	y	36:22	1.06	24.8	-	-	*		Co-elute PCB 111
PCB-85	4.87e+06	1.57	y	36:28	0.96	244	-	-	*		Co-elute PCB 116
PCB-116	4.87e+06	1.57	y	36:28	0.96	244	-	-	*		Co-elute PCB 85
PCB-120	2.94e+05	1.78	y	36:42	1.14	12.4	-	-	*		
PCB-110	3.91e+07	1.55	y	36:51	1.09	1730	-	-	*		
PCB-82	2.74e+06	1.52	y	37:27	0.66	201	-	-	*		
PCB-124	1.51e+06	1.48	y	38:06	1.19	61.0	-	-	*		
PCB-108	3.07e+06	1.58	y	38:16	1.14	129	-	-	*		Co-elute PCB 107
PCB-107	3.07e+06	1.58	y	38:16	1.14	129	-	-	*		Co-elute PCB 108
PCB-123	5.35e+05	1.43	y	38:24	1.09	24.1	-	-	*		
13C-PCB-123	2.04e+07	1.58	y	38:22	1.22	1010				101	2.65e+06 1.63e+06
PCB-118	2.86e+07	1.58	y	38:34	1.13	1170	-	-	*		Co-elute PCB 106
PCB-106	2.86e+07	1.58	y	38:34	1.13	1170	-	-	*		Co-elute PCB 118
13C-PCB-118	2.15e+07	1.56	y	38:32	1.30	995				99.5	2.62e+06 1.70e+06
PCB-114	7.44e+05	1.63	y	39:12	1.21	29.5	-	-	*		
13C-PCB-114	2.08e+07	1.60	y	39:10	1.29	974				97.4	2.90e+06 1.86e+06
PCB-122	4.14e+05	1.66	y	39:18	1.13	17.6	-	-	*		
PCB-105	9.50e+06	1.56	y	39:60	1.18	392	-	-	*		
13C-PCB-105	2.05e+07	1.60	y	39:60	1.27	971				97.1	2.55e+06 1.58e+06

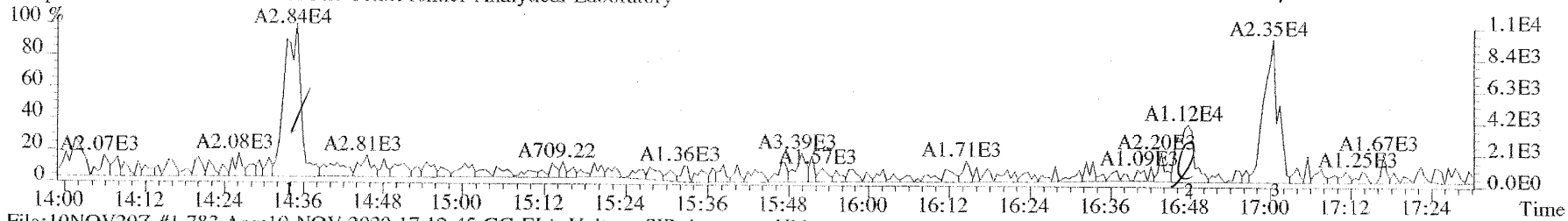
PCB-127	*	*	n	NotFnd	1.10	*	1280	760	1.07			
PCB-126	1.18e+05	1.39	y	42:06	1.15	5.04	-	-	*			
13C-PCB-126	2.04e+07	1.60	y	42:06	1.16	1060				106	2.76e+06	1.73e+06
PCB-151	8.91e+06	1.25	y	37:51	0.93	588	-	-	*			
PCB-135	4.93e+06	1.24	y	38:03	0.95	318	-	-	*			
PCB-144	1.75e+06	1.28	y	38:09	0.96	112	-	-	*			
PCB-147	7.00e+05	1.30	y	38:18	1.01	42.8	-	-	*			
PCB-139	2.89e+07	1.26	y	38:31	1.01	1760	-	-	*	Co-elute PCB 149		
PCB-149	2.89e+07	1.26	y	38:31	1.01	1760	-	-	*	Co-elute PCB 139		
PCB-140	4.17e+05	1.36	y	38:42	1.04	24.6	-	-	*			
PCB-143	1.88e+06	1.25	y	39:07	0.87	133	-	-	*	Co-elute PCB 134		
PCB-134	1.88e+06	1.25	y	39:07	0.87	133	-	-	*	Co-elute PCB 143		
PCB-131	1.13e+06	1.20	y	39:23	0.88	79.0	-	-	*	Co-elute PCB 133		
PCB-133	1.13e+06	1.20	y	39:23	0.88	79.0	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.89	*	820	720	1.13			
PCB-165	6.46e+06	1.27	y	39:45	1.14	347	-	-	*	Co-elute PCB 146		
PCB-146	6.46e+06	1.27	y	39:45	1.14	347	-	-	*	Co-elute PCB 165		
PCB-161	9.09e+06	1.23	y	40:01	1.11	504	-	-	*	Co-elute PCB 132		
PCB-132	9.09e+06	1.23	y	40:01	1.11	504	-	-	*	Co-elute PCB 161		
PCB-153	3.21e+07	1.25	y	40:08	1.12	1760	-	-	*			
PCB-168	*	*	n	NotFnd	1.25	*	820	720	0.804			
PCB-141	4.63e+06	1.22	y	40:51	0.97	293	-	-	*			
PCB-137	1.08e+06	1.23	y	41:12	1.02	65.3	-	-	*			
PCB-130	1.67e+06	1.32	y	41:19	0.82	126	-	-	*			
PCB-138	3.08e+07	1.27	y	41:38	1.14	1660	-	-	*	Co-elute PCB 163/164		
PCB-163	3.08e+07	1.27	y	41:38	1.14	1660	-	-	*	Co-elute PCB 138/164		
PCB-164	3.08e+07	1.27	y	41:38	1.14	1660	-	-	*	Co-elute PCB 138/163		
PCB-158	3.21e+06	1.28	y	41:52	1.26	156	-	-	*	Co-elute PCB 160		
PCB-160	3.21e+06	1.28	y	41:52	1.26	156	-	-	*	Co-elute PCB 158		
PCB-129	8.82e+05	1.30	y	42:06	0.83	65.1	-	-	*			
PCB-166	9.49e+04	1.16	y	42:33	1.22	4.77	-	-	*			
PCB-159	3.11e+05	1.21	y	42:54	1.28	14.9	-	-	*			
PCB-128	3.78e+06	1.24	y	43:07	1.08	216	-	-	*	Co-elute PCB 162		
PCB-162	3.78e+06	1.24	y	43:07	1.08	216	-	-	*	Co-elute PCB 128		
PCB-167	9.74e+05	1.24	y	43:30	1.19	48.9	-	-	*			
13C-PCB-167	1.68e+07	1.34	y	43:29	1.13	898				89.8	2.18e+06	1.63e+06
PCB-156	2.00e+06	1.20	y	44:44	1.21	103	-	-	*			
13C-PCB-156	1.59e+07	1.32	y	44:43	1.09	879				87.9	2.07e+06	1.51e+06
PCB-157	4.47e+05	1.22	y	44:59	1.19	22.5	-	-	*			
13C-PCB-157	1.66e+07	1.30	y	44:58	1.09	915				91.5	2.24e+06	1.78e+06
PCB-169	*	*	n	NotFnd	1.12	*	820	720	0.877			
13C-PCB-169	1.58e+07	1.28	y	46:49	1.04	912				91.2	2.20e+06	1.73e+06

FAL ID: 13380-007-0001-SA Filename: 10NOV20Z Sam:11 Acquired: 10-NOV-20 17:12:45 ICal: DAILY209FAL4-11-10-20
Client ID: LDW-Y3-LBS-SU-ENR-A-WORM ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 10.00

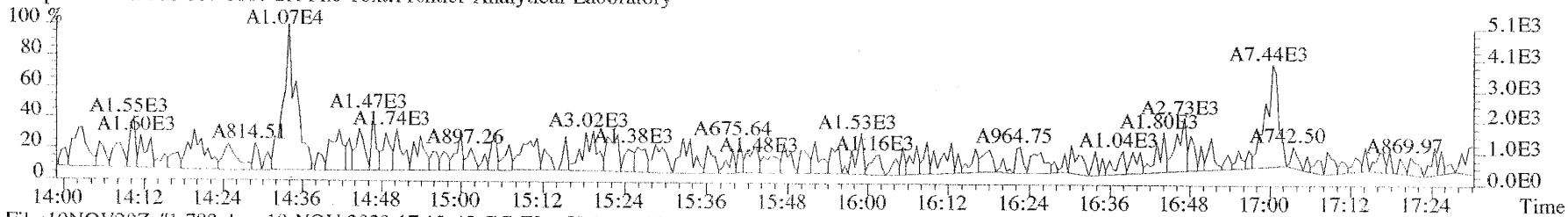
PCB-188	*	*	n	NotFnd	1.09	*	600	628	1.11			
13C-PCB-188	1.26e+07	1.13	y	39:46	1.06	711				71.1	1.35e+06	1.17e+06
PCB-184	*	*	n	NotFnd	1.27	*	600	628	0.773			
PCB-179	2.96e+06	1.04	y	40:57	1.20	204	-	-	*			
PCB-176	8.50e+05	1.18	y	41:24	1.15	60.9	-	-	*			
PCB-186	*	*	n	NotFnd	1.18	*	600	628	0.837			
PCB-178	1.05e+06	1.07	y	42:26	0.84	103	-	-	*			
PCB-175	1.75e+05	1.09	y	42:46	0.88	16.3	-	-	*			
PCB-187	6.34e+06	1.06	y	42:54	0.93	561	-	-	*		Co-elute PCB 182	
PCB-182	6.34e+06	1.06	y	42:54	0.93	561	-	-	*		Co-elute PCB 187	
PCB-183	2.72e+06	1.08	y	43:14	0.94	238	-	-	*			
PCB-185	4.67e+05	1.08	y	43:52	0.87	44.4	-	-	*			
PCB-174	3.74e+06	1.04	y	44:11	0.79	389	-	-	*			
PCB-181	*	*	n	NotFnd	0.93	*	600	628	1.06			
PCB-177	2.34e+06	1.08	y	44:26	0.82	237	-	-	*			
PCB-171	9.73e+05	1.04	y	44:44	0.87	91.9	-	-	*			
PCB-173	5.66e+04	0.91	y	45:07	0.76	6.12	-	-	*			
PCB-172	5.37e+05	1.10	y	45:32	0.80	55.5	-	-	*			
PCB-192	*	*	n	NotFnd	1.06	*	600	628	0.927			
PCB-180	6.36e+06	1.04	y	45:52	0.82	638	-	-	*			
PCB-193	5.73e+05	1.17	y	46:02	1.13	41.7	-	-	*			
PCB-191	1.62e+05	1.16	y	46:15	1.14	11.8	-	-	*			
PCB-170	2.52e+06	1.07	y	47:09	0.78	265	-	-	*			
PCB-190	7.14e+05	0.96	y	47:17	1.05	56.0	-	-	*			
PCB-189	1.03e+05	1.12	y	48:28	1.09	8.12	-	-	*			
13C-PCB-189	1.17e+07	1.10	y	48:28	0.89	791				79.1	2.18e+06	2.01e+06
PCB-202	2.69e+05	0.96	y	44:54	1.11	32.5	-	-	*			
PCB-201	1.67e+05	0.87	y	45:21	1.20	18.7	-	-	*			
PCB-204	*	*	n	NotFnd	1.20	*	448	420	1.06			
PCB-197	7.45e+04	0.89	y	45:44	1.27	7.88	-	-	*			
PCB-200	1.85e+05	0.99	y	46:30	1.24	20.1	-	-	*			
PCB-198	5.72e+04	0.90	y	47:40	0.90	8.49	-	-	*			
PCB-199	8.79e+05	0.92	y	47:45	0.84	141	-	-	*			
PCB-203	9.87e+05	0.97	y	48:00	0.96	138	-	-	*		Co-elute PCB 196	
PCB-196	9.87e+05	0.97	y	48:00	0.96	138	-	-	*		Co-elute PCB 203	
13C-PCB-202	7.45e+06	0.95	y	44:53	0.75	595				59.5	8.21e+05	8.95e+05
13C-PCB-178	1.14e+07	1.12	y	42:24	0.80	851				85.1	1.41e+06	1.29e+06
13C-PCB-138	1.66e+07	1.30	y	41:37	-	4.59						
PCB-195	4.78e+05	0.92	y	49:05	0.88	37.1	-	-	*			
PCB-194	1.09e+06	0.90	y	49:53	0.87	86.6	-	-	*			
PCB-205	9.67e+04	0.87	y	50:07	1.08	6.13	-	-	*			
13C-PCB-205	1.46e+07	0.90	y	50:07	1.26	862				86.2	2.55e+06	2.85e+06
PCB-208	1.22e+05	1.46	y	49:12	1.08	8.40	-	-	*			
13C-PCB-208	1.35e+07	0.79	y	49:12	1.27	787				78.7	2.18e+06	2.73e+06
PCB-207	4.54e+04	1.26	y	49:30	1.25	3.20	-	-	*			
PCB-206	2.59e+05	1.21	y	51:19	1.11	25.3	-	-	*			
13C-PCB-206	9.23e+06	0.80	y	51:19	0.87	793				79.3	1.39e+06	1.71e+06
PCB-209	9.67e+04	1.21	y	52:31	1.19	8.45	-	-	*			
13C-PCB-209	9.59e+06	1.21	y	52:29	1.01	707				70.7	1.79e+06	1.45e+06
13C-PCB-194	1.34e+07	0.93	y	49:52	-	4.64						

Analyst: _____ Date: 11/11/20

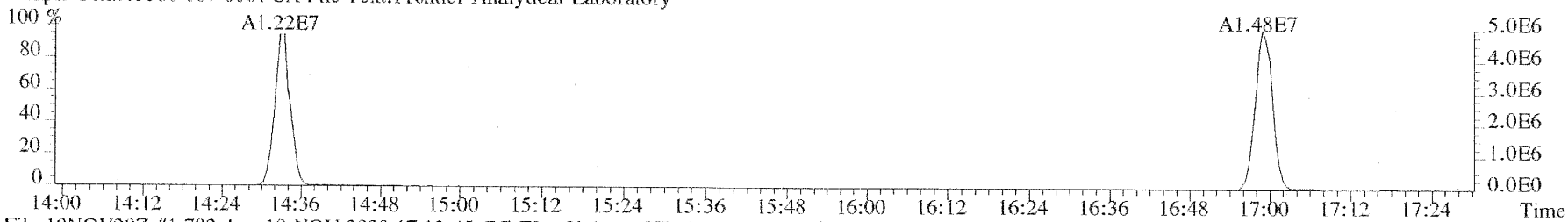
File:10NOV20Z #1-783 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



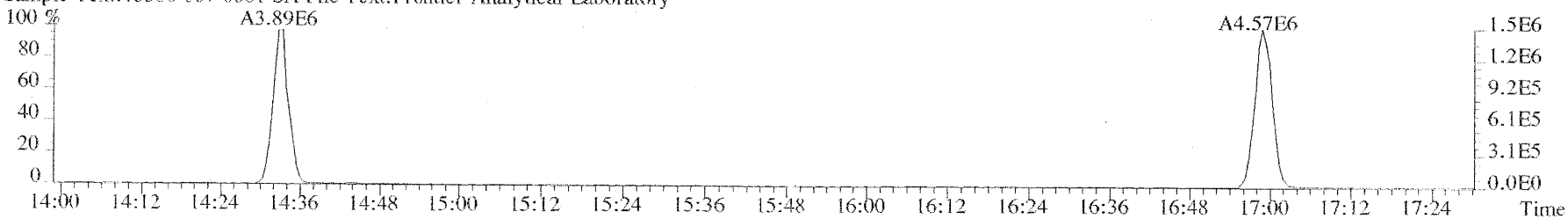
File:10NOV20Z #1-783 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



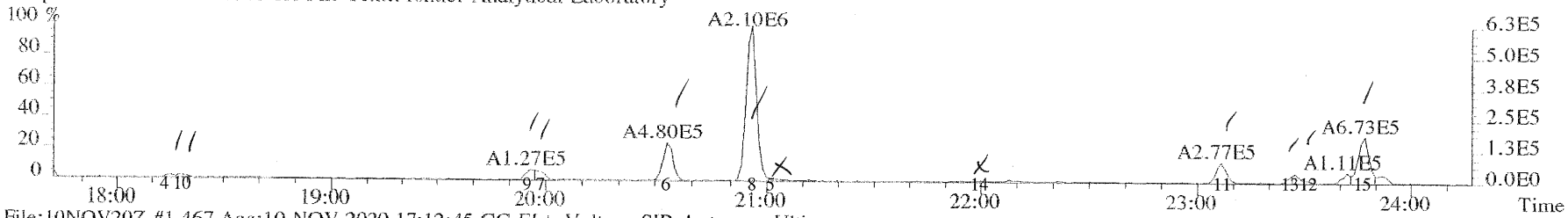
File:10NOV20Z #1-783 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



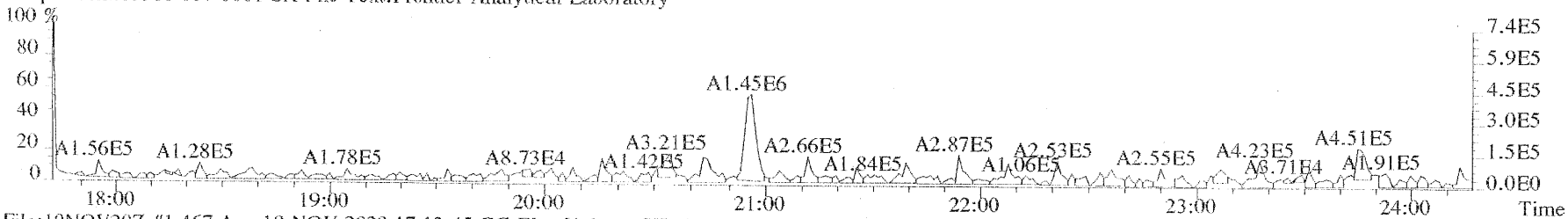
File:10NOV20Z #1-783 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



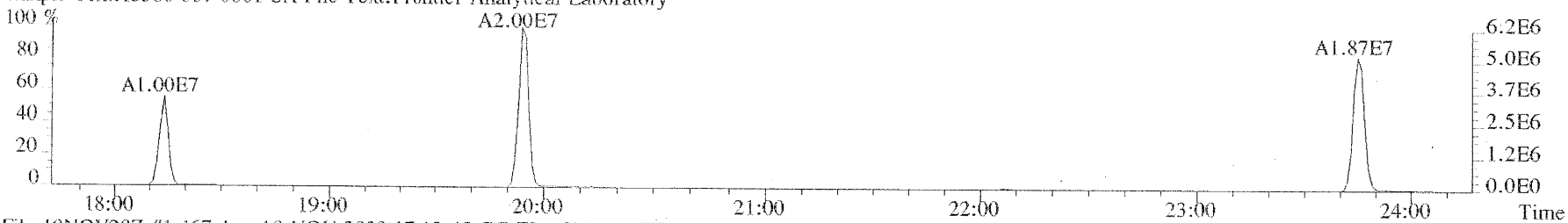
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



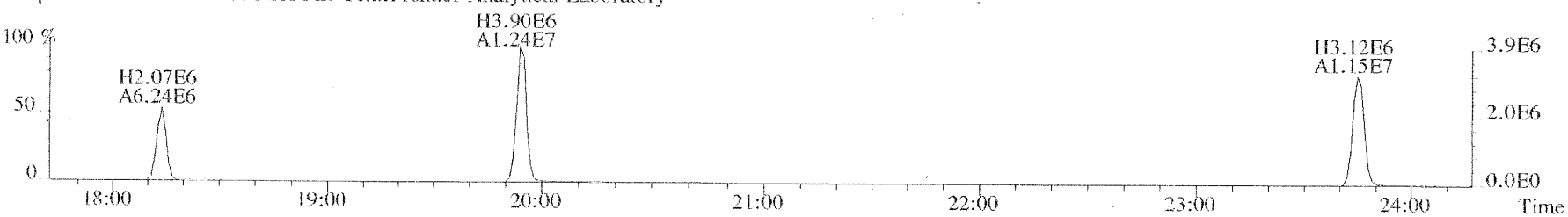
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



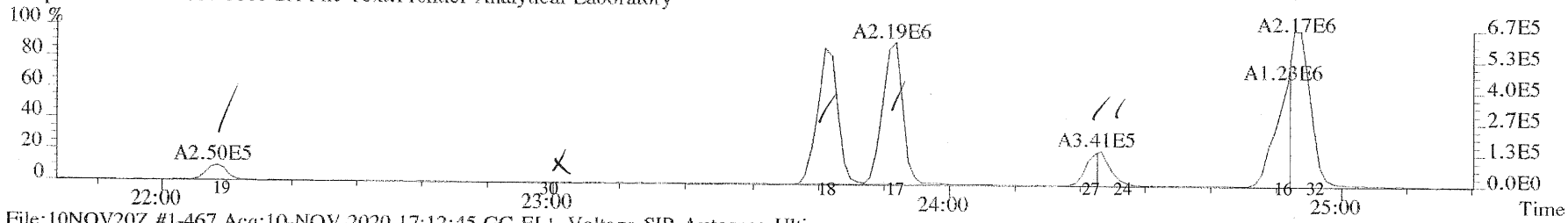
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



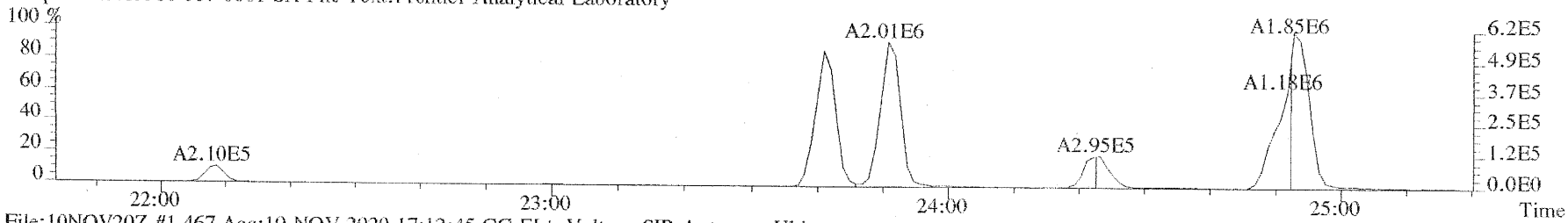
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



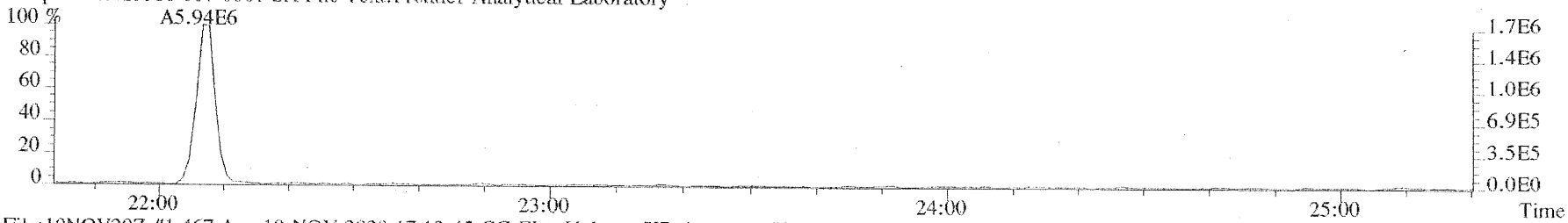
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



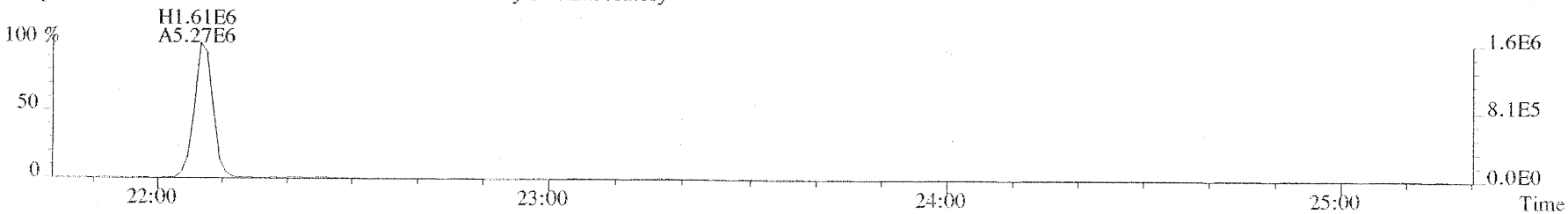
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



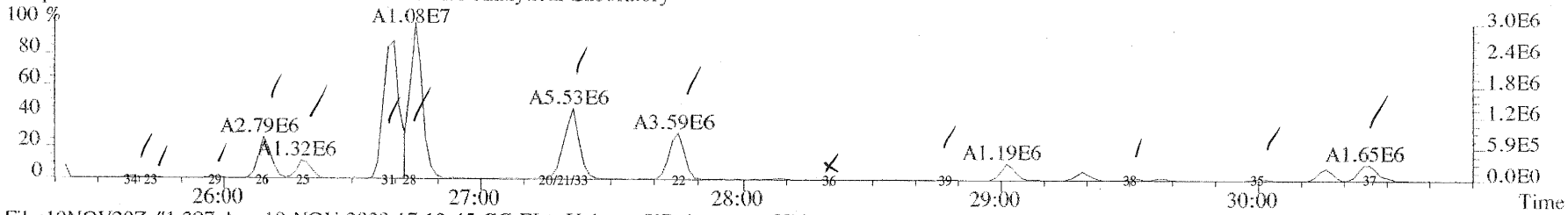
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



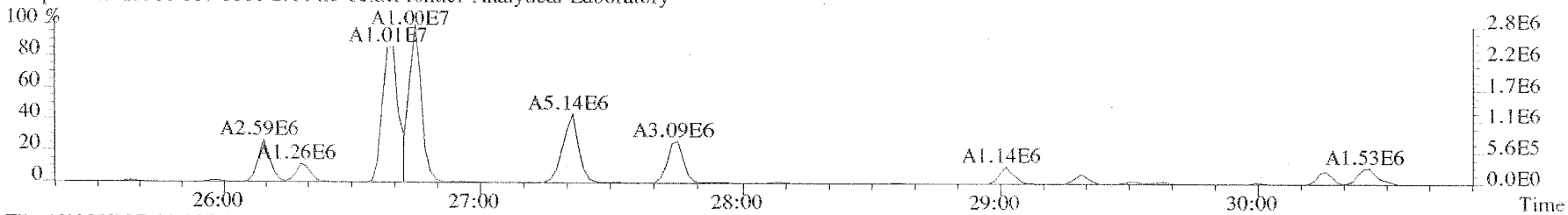
File:10NOV20Z #1-467 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



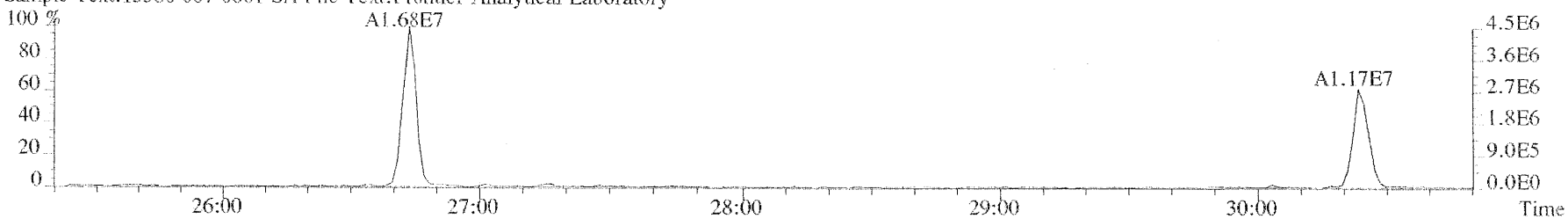
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



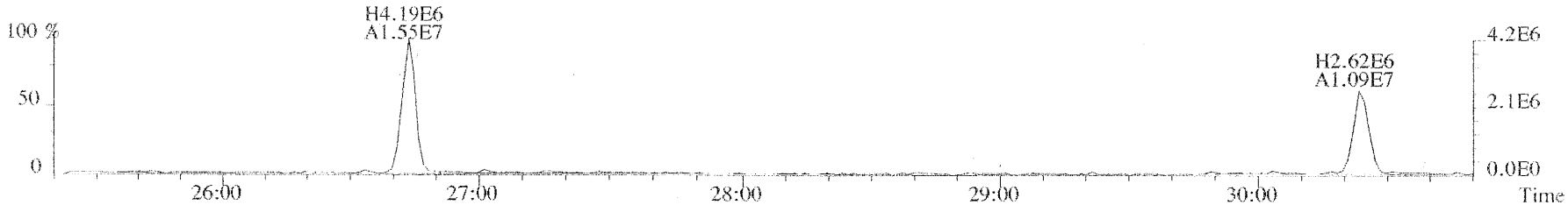
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



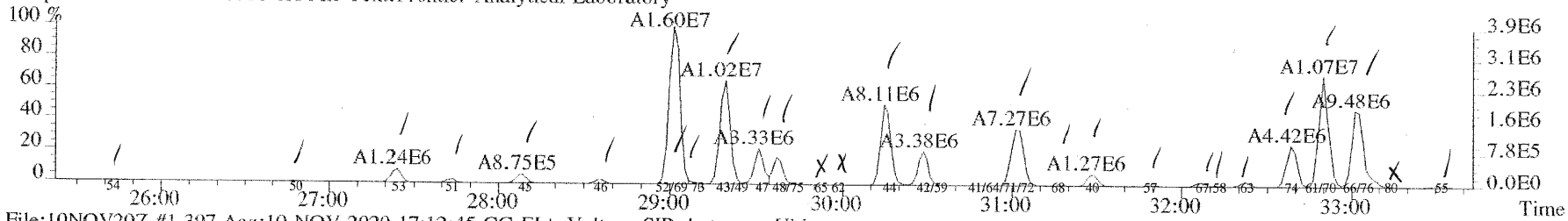
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



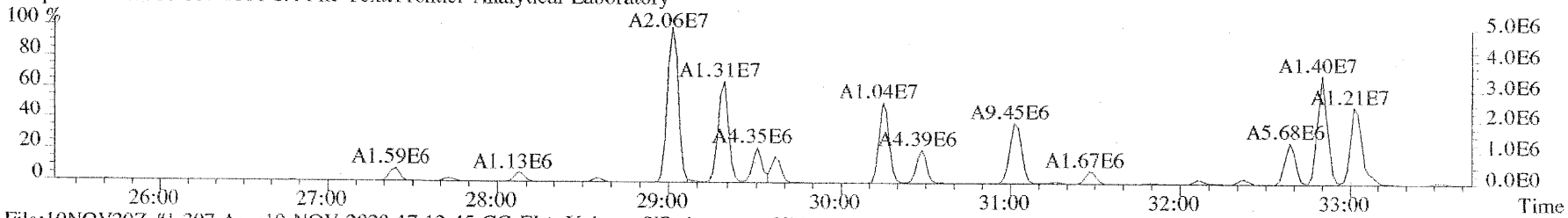
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



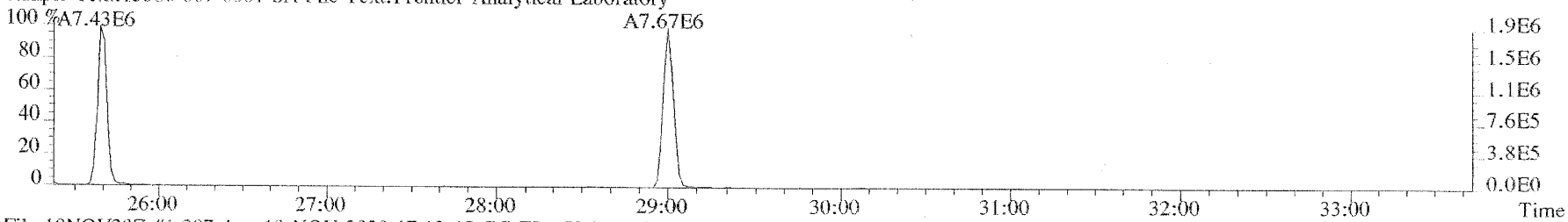
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



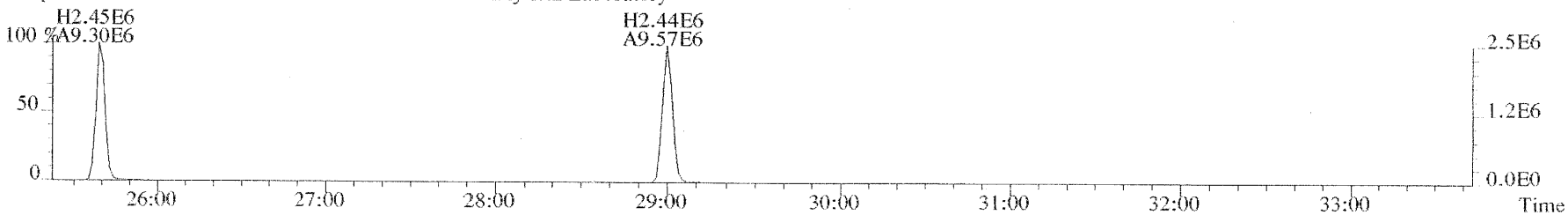
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



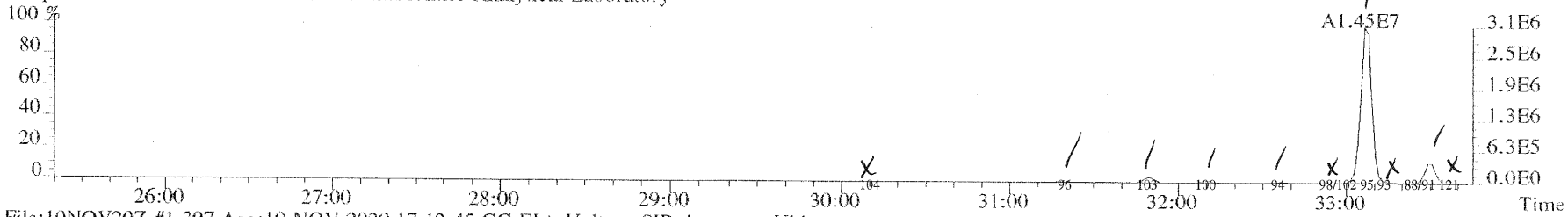
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



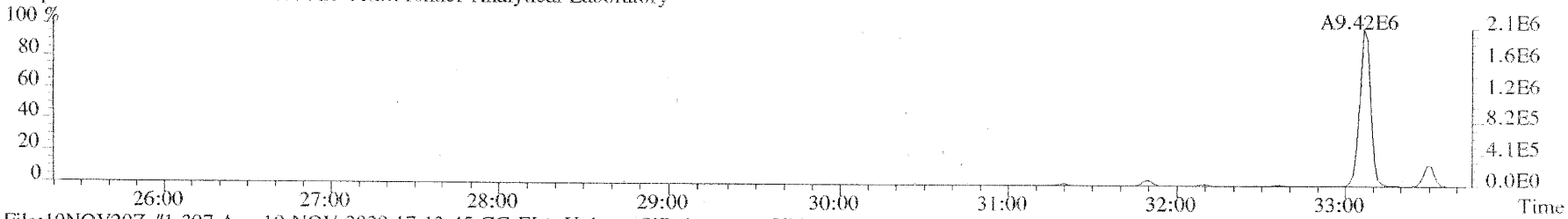
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



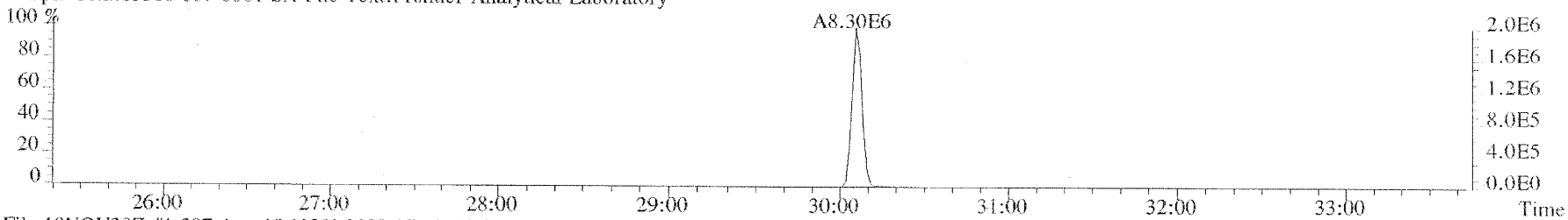
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



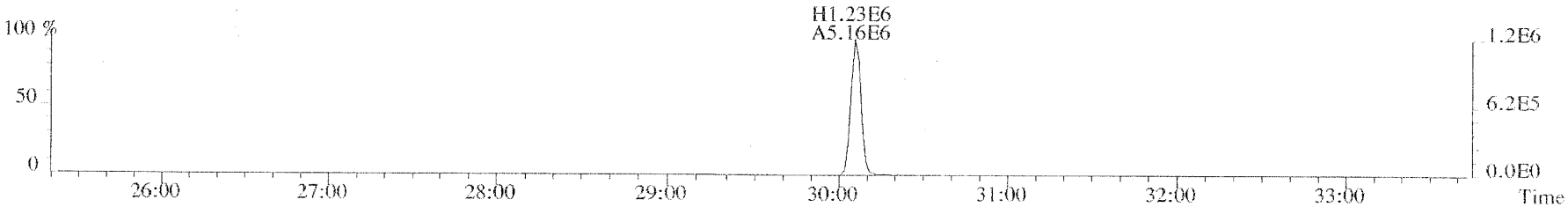
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



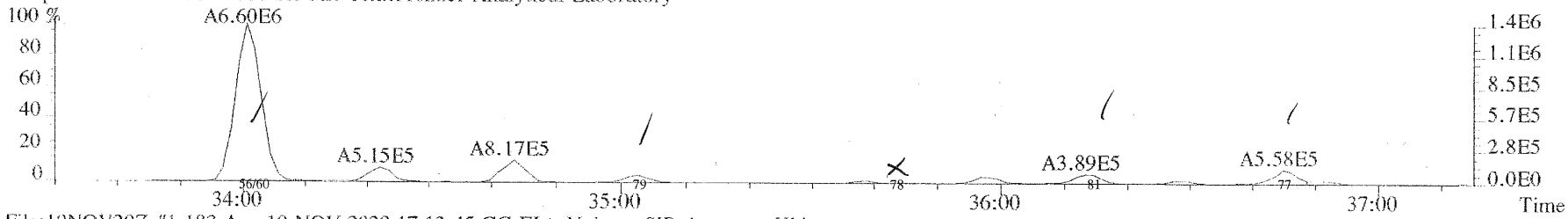
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



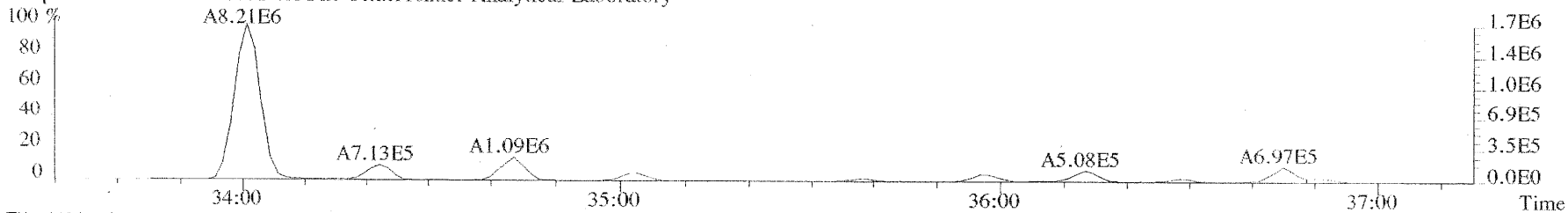
File:10NOV20Z #1-397 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



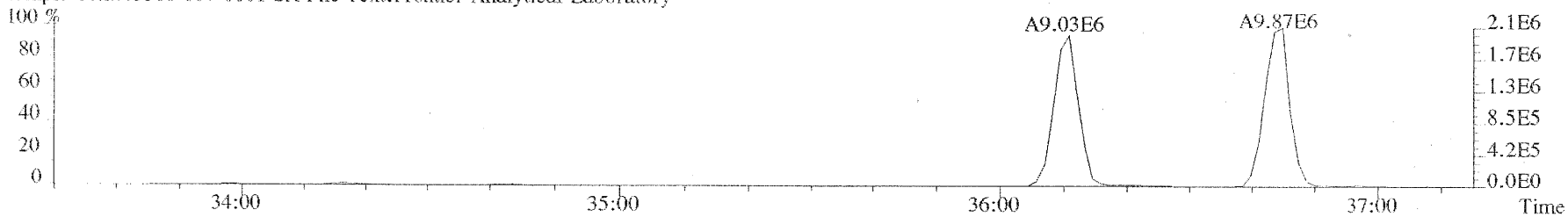
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



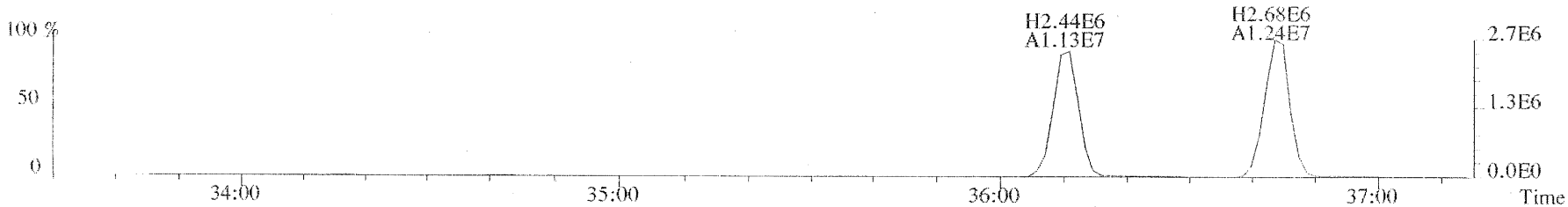
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



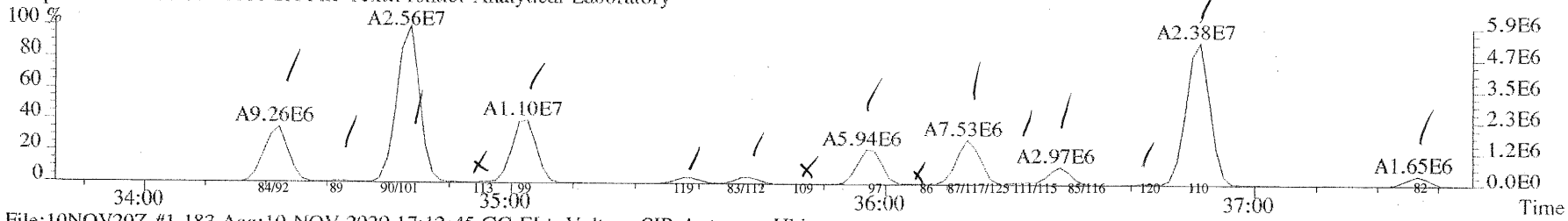
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



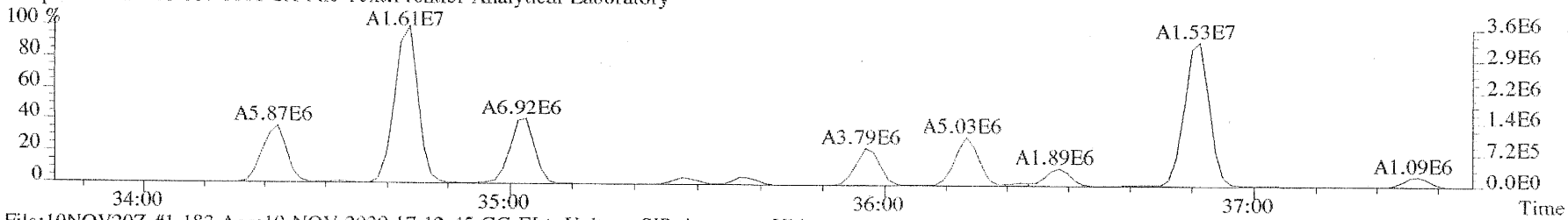
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



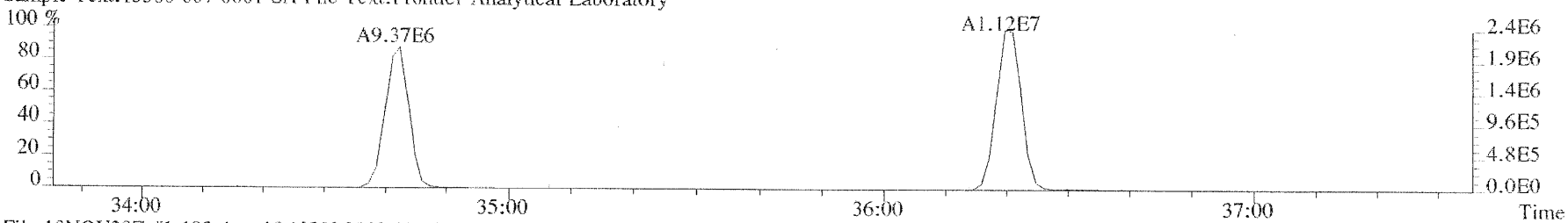
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



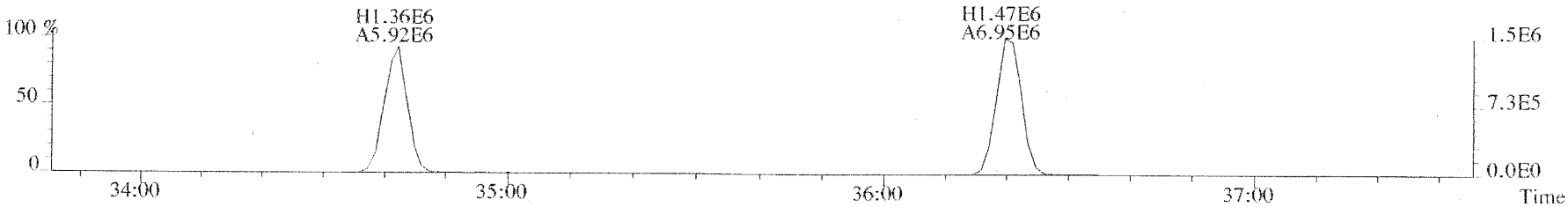
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



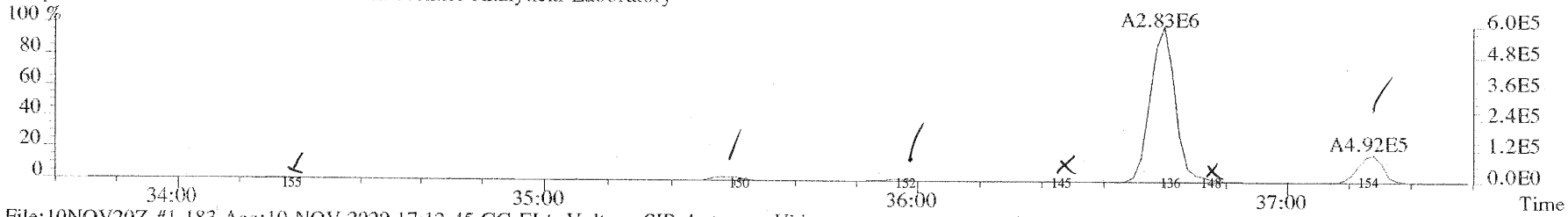
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



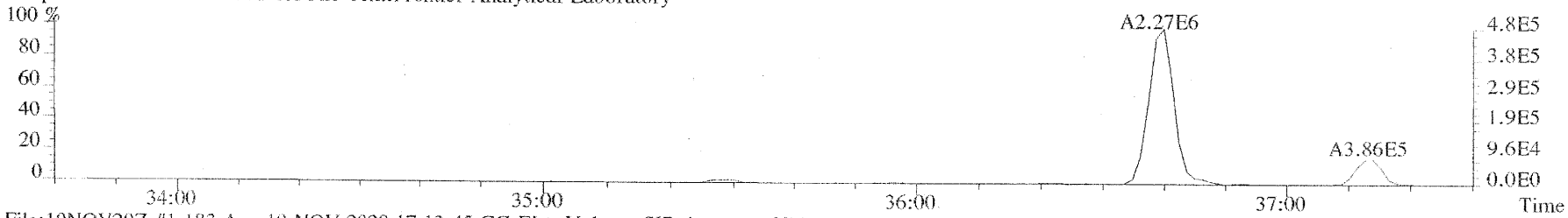
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



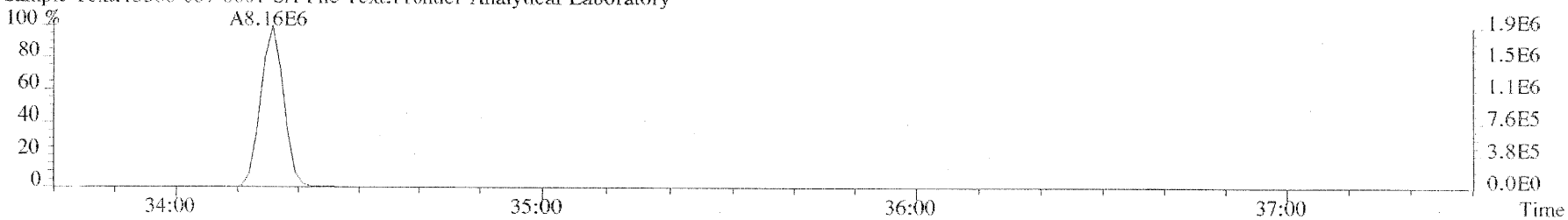
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



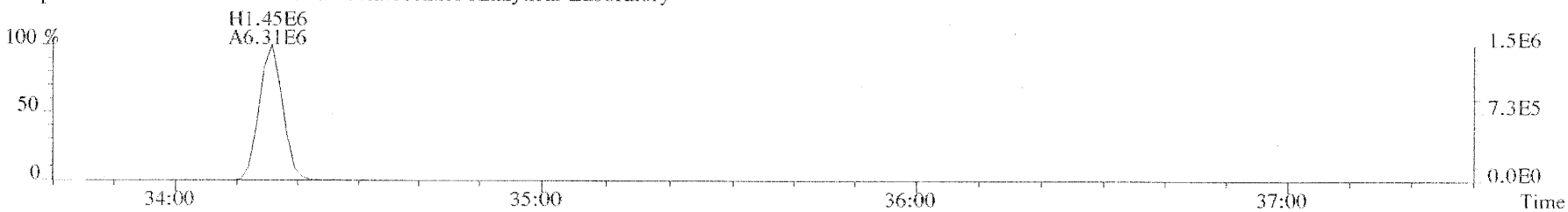
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



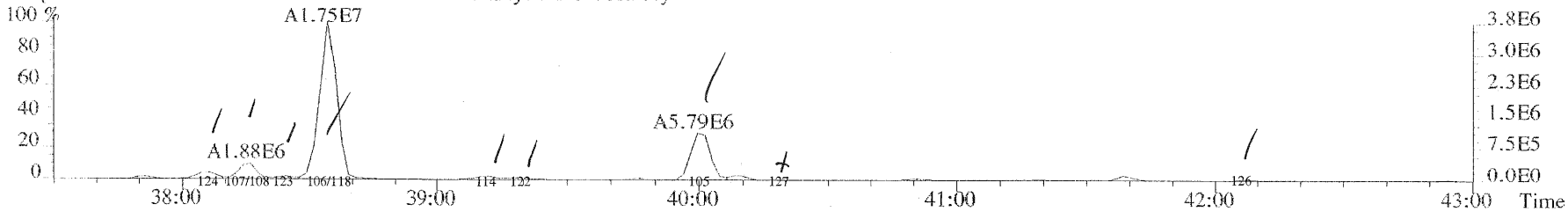
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



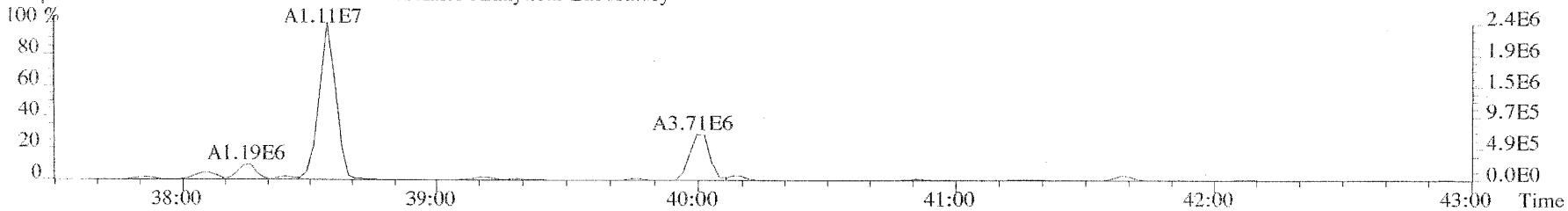
File:10NOV20Z #1-183 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



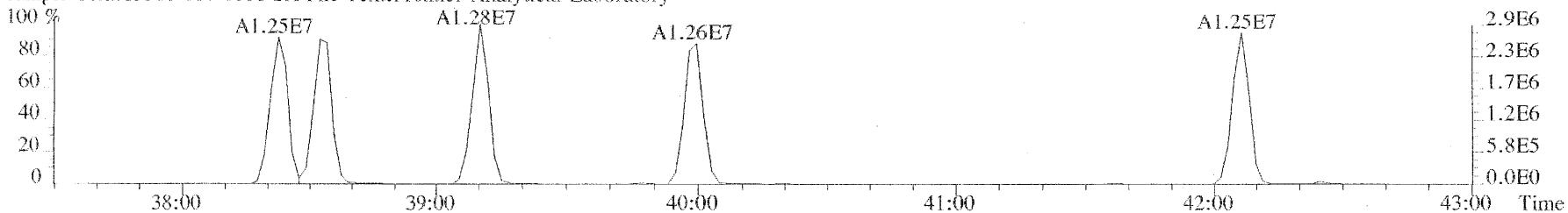
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



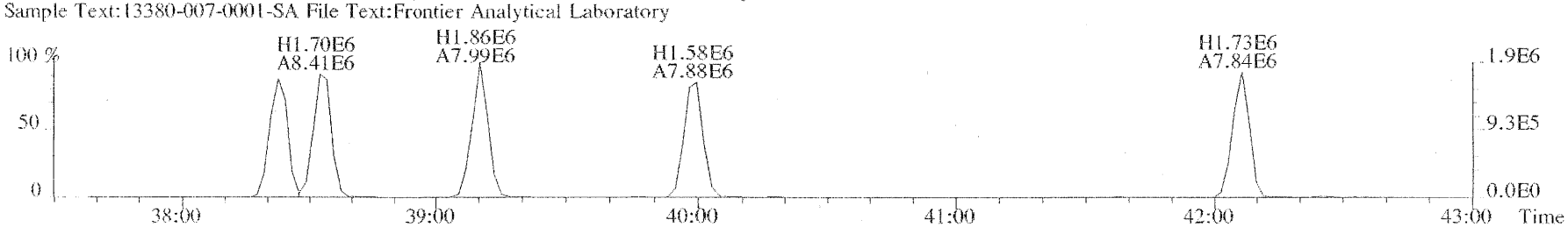
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



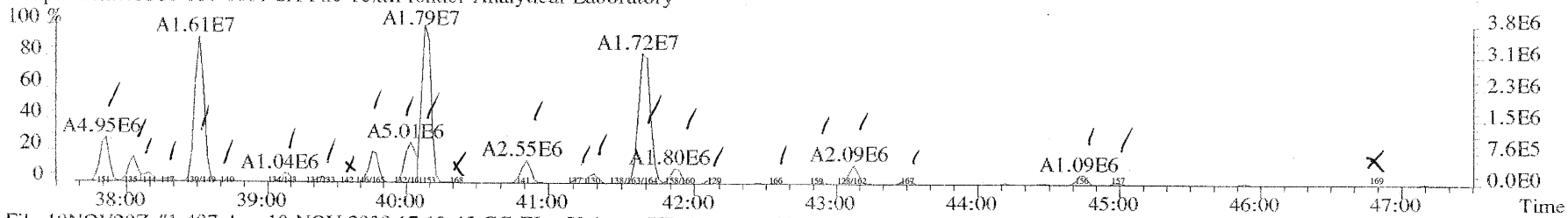
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



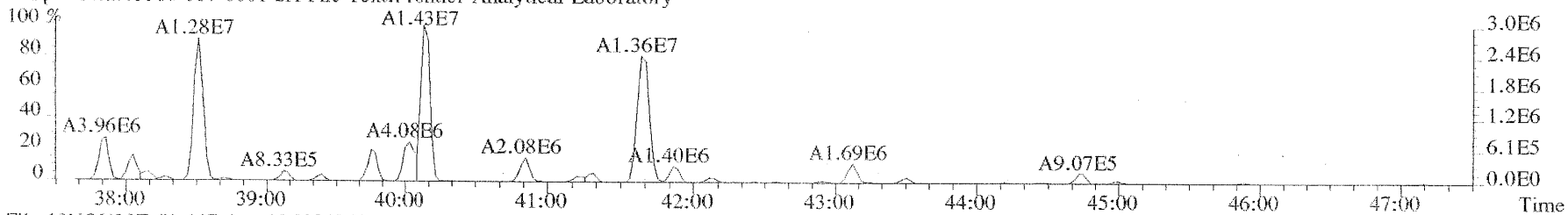
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



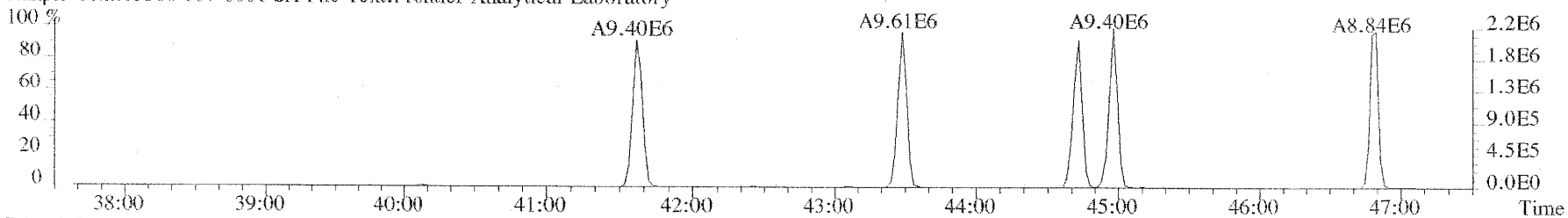
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



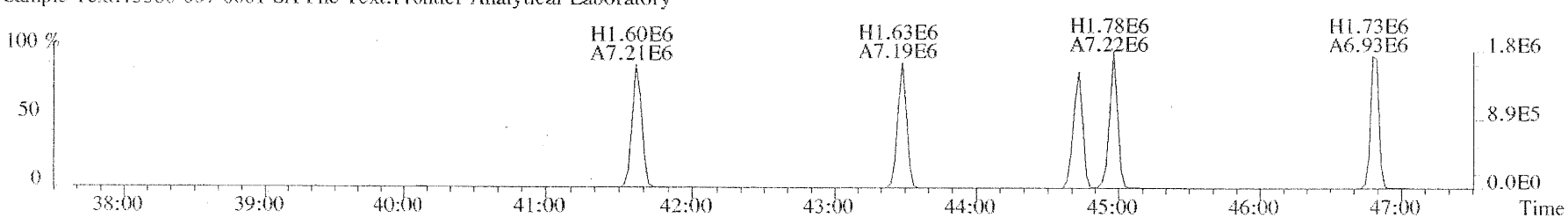
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



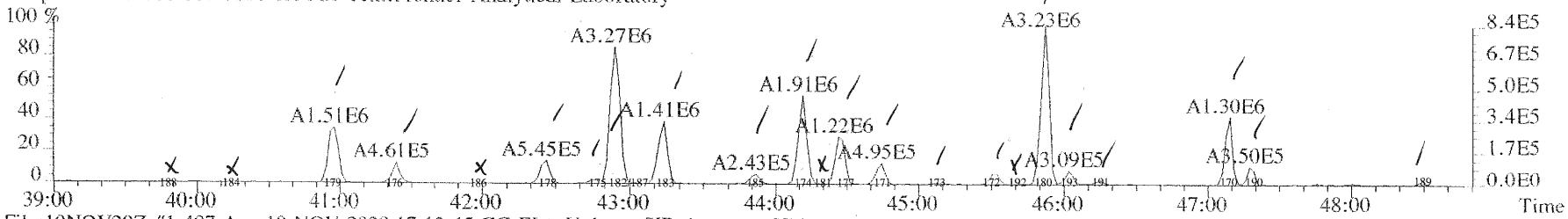
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



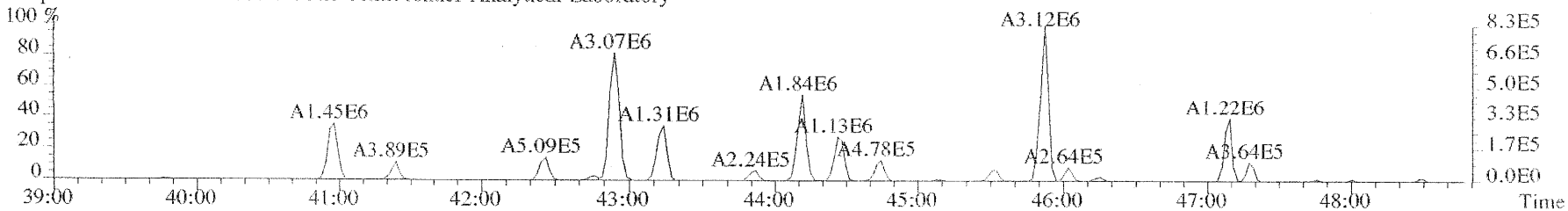
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



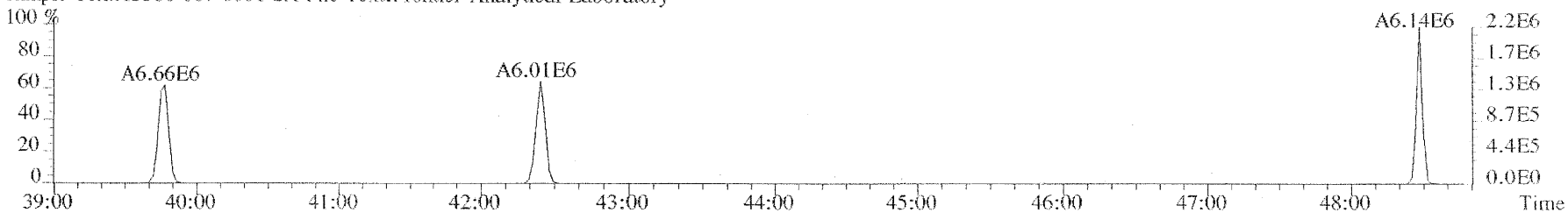
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



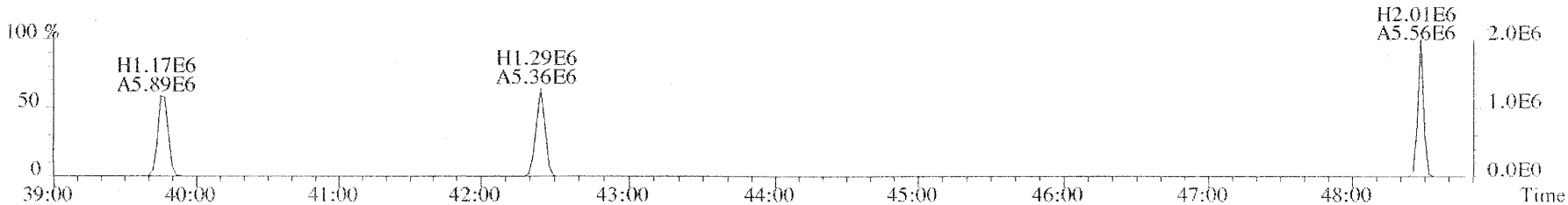
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



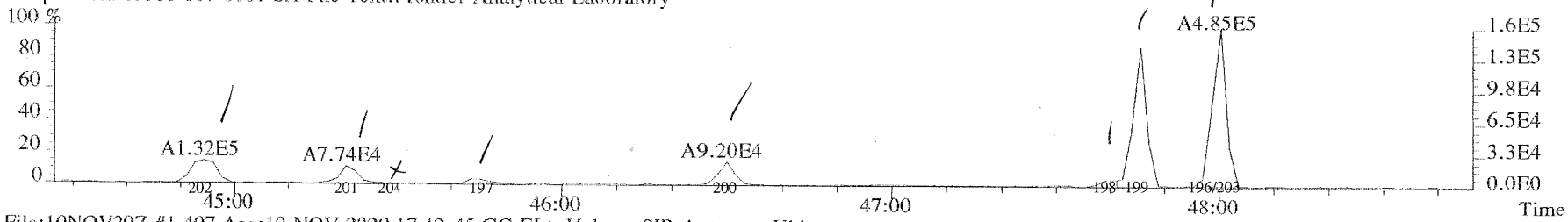
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



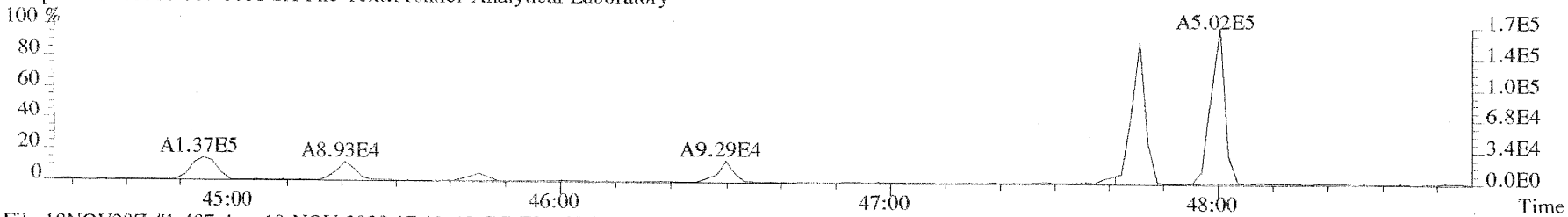
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



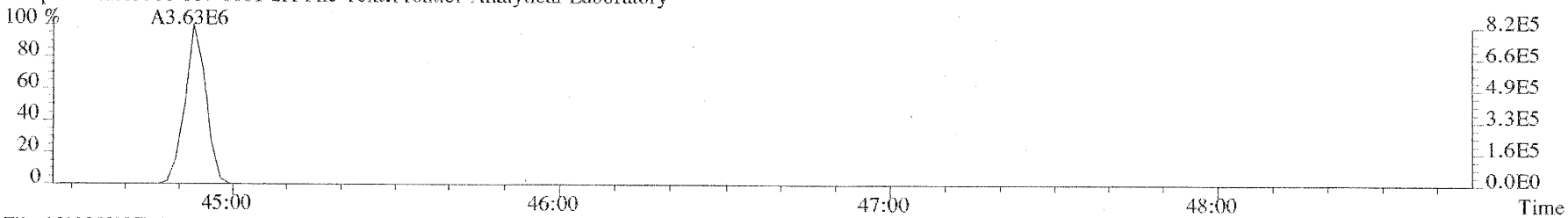
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



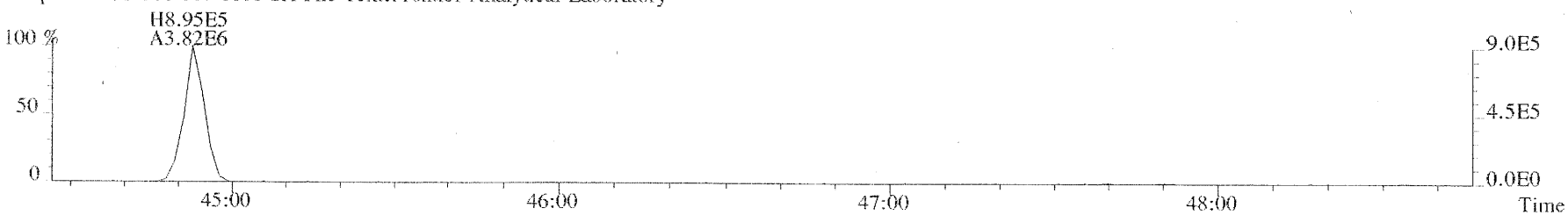
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



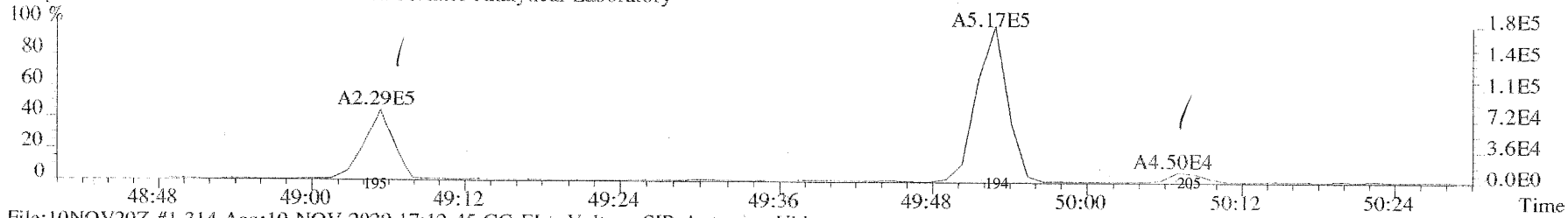
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



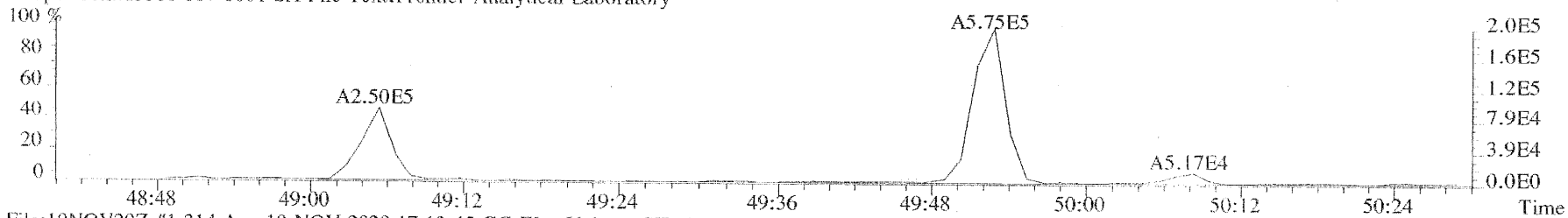
File:10NOV20Z #1-407 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



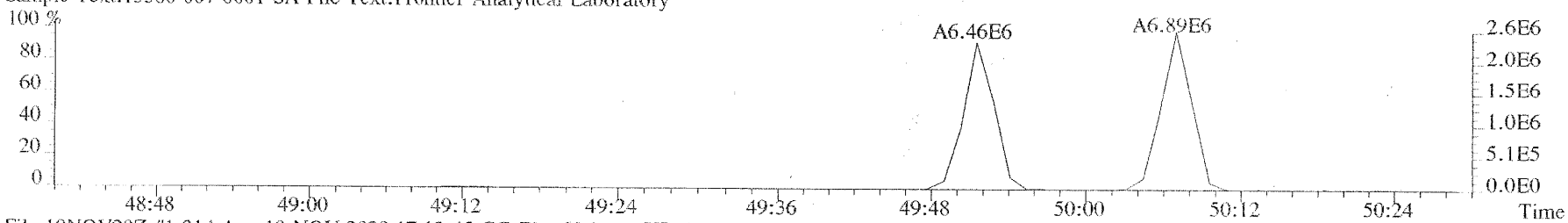
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



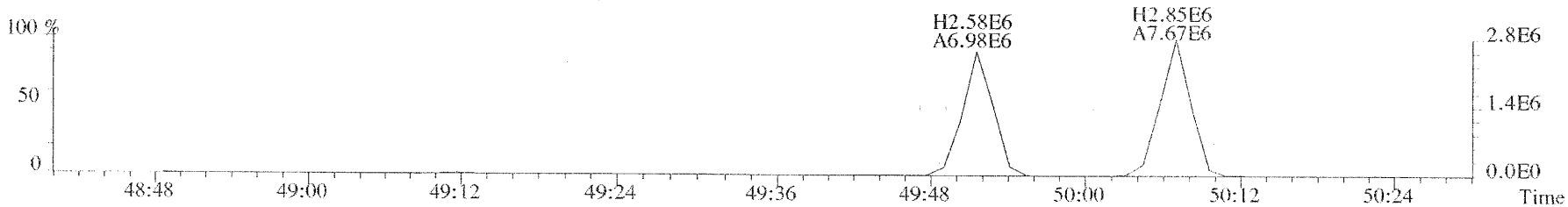
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



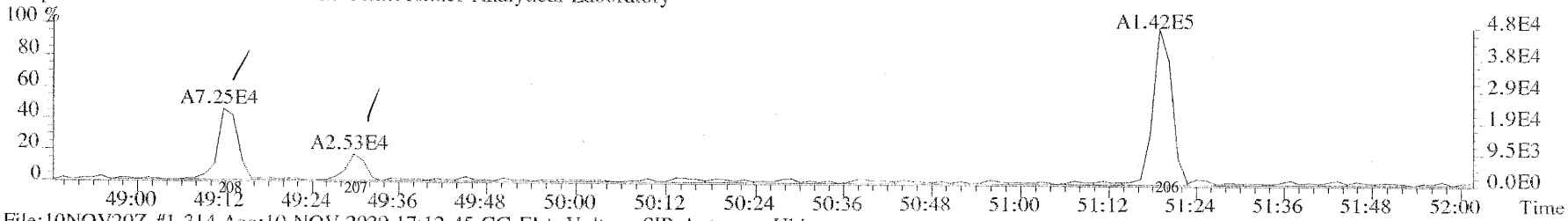
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



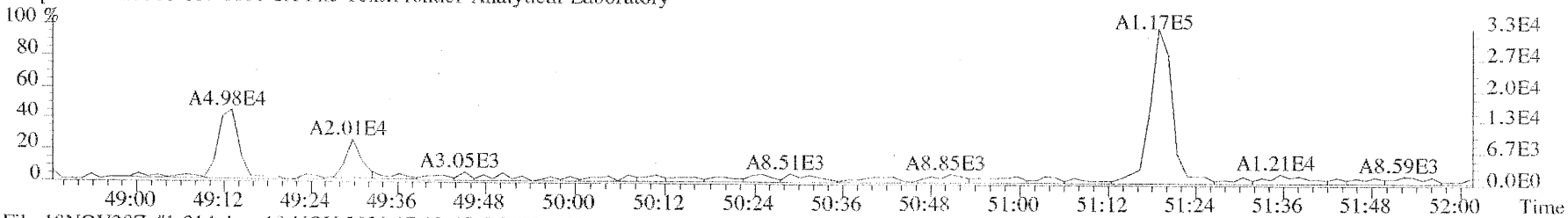
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



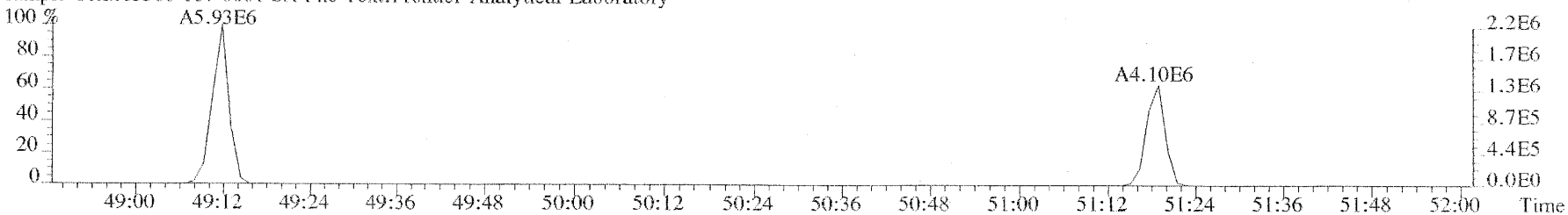
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



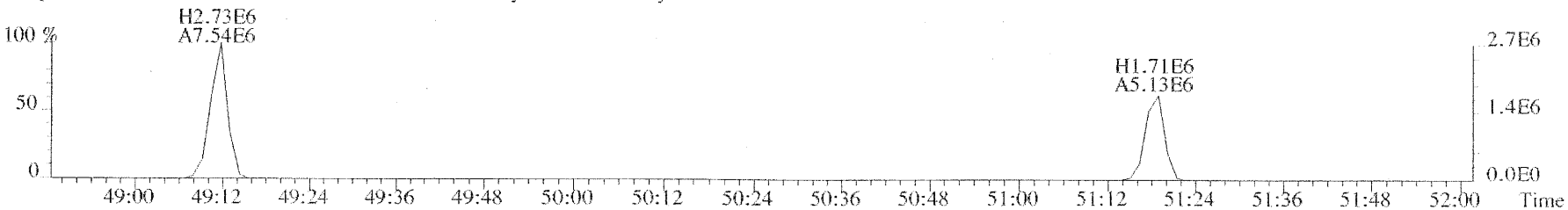
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



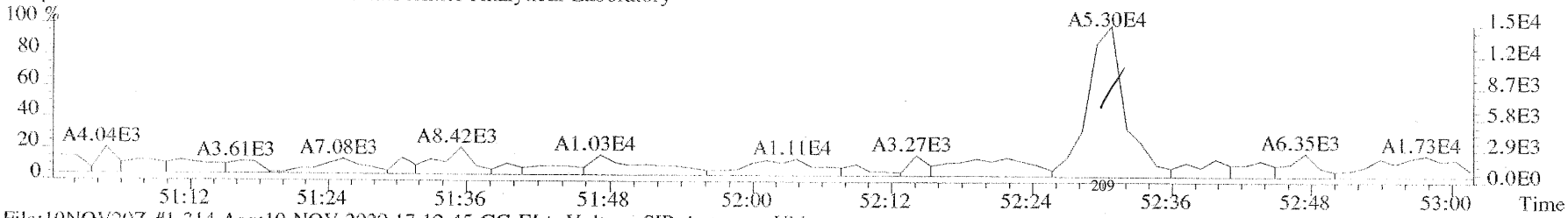
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



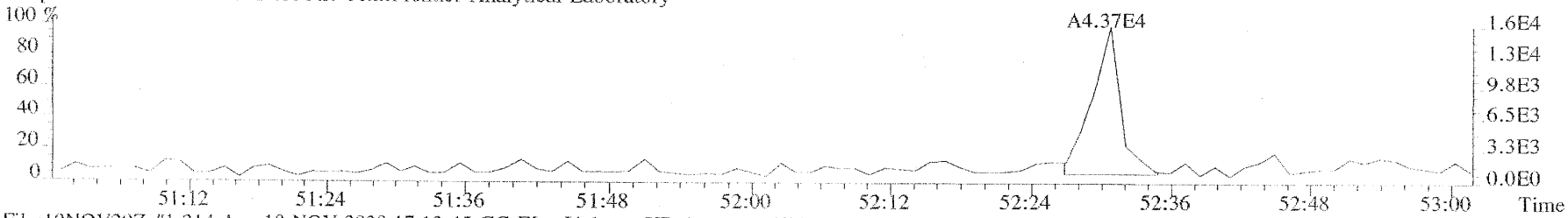
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



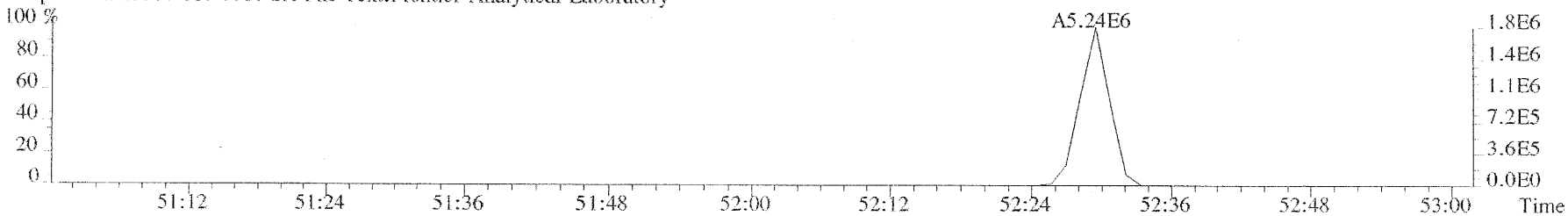
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



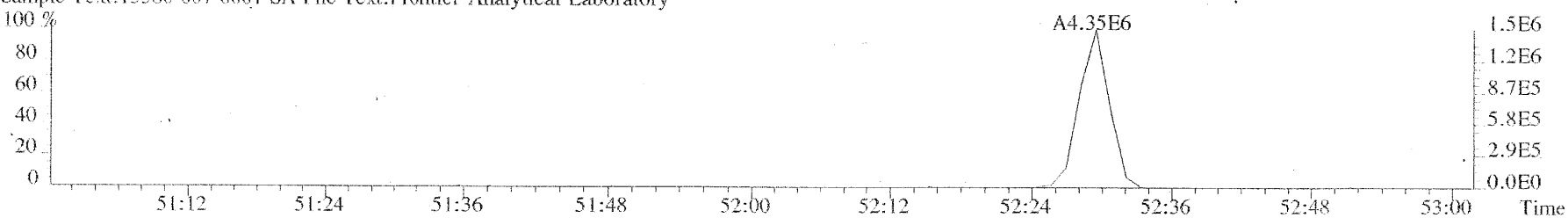
File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-007-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 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:13380-007-0001-SA File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-314 Acq:10-NOV-2020 17:12:45 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:13380-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13380-014-0001-SA Filename: 07NOV20Z Sam:11 Acquired: 7-NOV-20 17:15:03 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-B-WORM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 7.290

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	5.21e+04	3.21 y	14:33	1.37	2.17	J	-	-	*			
13C-PCB-1	2.40e+07	3.18 y	14:32	0.71	833					60.7	6.30e+06	1.96e+06
PCB-2	*	* n	NotFnd	1.39	*		1640	1480	0.915			
PCB-3	3.58e+04	3.11 y	17:00	1.40	1.19	J	-	-	*			
13C-PCB-3	2.97e+07	3.27 y	16:58	0.69	1060					77.4	6.59e+06	2.02e+06
PCB-4	6.10e+05	1.53 y	18:14	1.08	29.5		-	-	*			
PCB-10	2.12e+05	1.58 y	18:17	1.63	4.54		-	-	*			
13C-PCB-4	2.63e+07	1.61 y	18:12	0.65	991					72.2	5.05e+06	3.07e+06
PCB-9	7.62e+05	1.52 y	19:54	1.51	17.7		-	-	*			
PCB-7	6.36e+05	1.42 y	19:55	1.53	14.5		-	-	*			
PCB-6	4.08e+06	1.48 y	20:31	1.52	94.3		-	-	*			
PCB-8	1.16e+07	1.48 y	20:53	1.51	269		-	-	*			
PCB-5	*	* n	NotFnd	1.56	*		654	3210	0.798			
PCB-14	*	* n	NotFnd	1.47	*		654	3210	0.844			
PCB-11	6.90e+05	1.52 y	23:05	1.42	17.1		-	-	*			
PCB-13	5.61e+05	1.52 y	23:24	1.43	13.8		-	-	*			
PCB-12	6.58e+05	1.53 y	23:25	1.44	16.0		-	-	*			
PCB-15	2.48e+06	1.47 y	23:44	1.31	49.8		-	-	*			
13C-PCB-15	5.20e+07	1.62 y	23:43	0.98	1310					95.7	7.91e+06	4.84e+06
PCB-19	1.56e+06	1.12 y	22:06	1.34	96.6		-	-	*			
PCB-30	5.51e+04	0.94 y	22:56	1.94	2.36	J	-	-	*			
PCB-18	1.90e+07	1.08 y	23:38	1.33	1190		-	-	*			
PCB-17	1.32e+07	1.06 y	23:48	1.44	763		-	-	*			
PCB-27	1.39e+06	0.99 y	24:19	1.86	62.1		-	-	*			
PCB-24	1.75e+06	1.19 y	24:20	1.83	79.7		-	-	*			
PCB-16	7.05e+06	1.00 y	24:48	1.60	367		-	-	*			
PCB-32	1.20e+07	1.14 y	24:50	1.71	583		-	-	*			
13C-PCB-19	1.65e+07	1.11 y	22:05	0.38	1060					77.1	2.34e+06	2.05e+06
13C-PCB-9	5.57e+07	1.64 y	19:52	-	16.0							
PCB-34	1.04e+06	1.05 y	25:35	1.26	27.9		-	-	*			
PCB-23	1.51e+05	1.12 y	25:40	1.52	3.37		-	-	*			
PCB-29	4.78e+05	1.18 y	25:54	1.40	11.5		-	-	*			
PCB-26	1.75e+07	1.08 y	26:07	1.33	446		-	-	*			
PCB-25	9.22e+06	1.10 y	26:16	1.31	239		-	-	*			
PCB-31	6.42e+07	1.07 y	26:36	1.40	1550		-	-	*			
PCB-28	6.88e+07	1.09 y	26:41	1.55	1500		-	-	*			
PCB-20	3.42e+07	1.09 y	27:18	1.29	895		-	-	*		Co-elute PCB 21/33	
PCB-21	3.42e+07	1.09 y	27:18	1.29	895		-	-	*		Co-elute PCB 20/33	
PCB-33	3.42e+07	1.09 y	27:18	1.29	895		-	-	*		Co-elute PCB 20/21	
PCB-22	2.02e+07	1.09 y	27:42	1.48	462		-	-	*			
PCB-36	*	* n	NotFnd	1.32	*		1160	1030	0.602			
PCB-39	*	* n	NotFnd	1.32	*		1160	1030	0.603			
PCB-38	9.76e+05	1.05 y	29:27	1.33	24.8		-	-	*			
PCB-35	5.85e+05	1.00 y	29:58	1.24	16.0		-	-	*			
PCB-37	9.04e+06	1.04 y	30:22	1.28	240		-	-	*			
13C-PCB-37	4.06e+07	1.03 y	30:21	1.76	1260					91.9	4.85e+06	4.58e+06

PCB-54	1.05e+05	0.87	y	25:38	1.37	4.24	-	-	*			
PCB-50	1.75e+05	0.76	y	26:44	1.07	9.02	-	-	*			
PCB-53	7.47e+06	0.79	y	27:20	1.02	402	-	-	*			
PCB-51	2.21e+06	0.76	y	27:39	1.10	111	-	-	*			
PCB-45	6.13e+06	0.80	y	28:05	0.90	374	-	-	*			
PCB-46	2.15e+06	0.81	y	28:32	0.86	138	-	-	*			
PCB-52	7.93e+07	0.78	y	28:58	1.07	4080	-	-	*	Co-elute PCB 69		
PCB-69	7.93e+07	0.78	y	28:58	1.07	4080	-	-	*	Co-elute PCB 52		
PCB-73	9.71e+05	0.83	y	29:04	1.38	38.8	-	-	*			
PCB-43	5.35e+07	0.78	y	29:15	0.98	3010	-	-	*	Co-elute PCB 49		
PCB-49	5.35e+07	0.78	y	29:15	0.98	3010	-	-	*	Co-elute PCB 43		
PCB-47	1.82e+07	0.77	y	29:27	1.04	965	-	-	*			
PCB-48	1.39e+07	0.80	y	29:33	1.22	627	-	-	*	Co-elute PCB 75		
PCB-75	1.39e+07	0.80	y	29:33	1.22	627	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.23	*	940	750	0.764			
PCB-62	*	*	n	NotFnd	1.36	*	940	750	0.693			
PCB-44	4.31e+07	0.77	y	30:12	0.85	2800	-	-	*			
PCB-42	1.95e+07	0.77	y	30:25	1.10	973	-	-	*	Co-elute PCB 59		
PCB-59	1.95e+07	0.77	y	30:25	1.10	973	-	-	*	Co-elute PCB 42		
PCB-72	4.71e+07	0.78	y	30:58	1.23	2100	-	-	*	Co-elute PCB 41/71/64		
PCB-41	4.71e+07	0.78	y	30:58	1.23	2100	-	-	*	Co-elute PCB 72/71/64		
PCB-71	4.71e+07	0.78	y	30:58	1.23	2100	-	-	*	Co-elute PCB 72/41/64		
PCB-64	4.71e+07	0.78	y	30:58	1.23	2100	-	-	*	Co-elute PCB 72/41/71		
PCB-68	8.08e+05	0.82	y	31:13	1.40	31.7	-	-	*			
PCB-40	6.52e+06	0.79	y	31:26	0.78	460	-	-	*			
PCB-57	5.60e+05	0.69	y	31:46	1.33	23.1	-	-	*			
PCB-67	2.05e+06	0.79	y	32:03	1.23	92.2	-	-	*			
PCB-58	3.16e+05	0.82	y	32:09	1.44	12.1	-	-	*			
PCB-63	2.96e+06	0.78	y	32:19	1.35	121	-	-	*			
PCB-74	2.67e+07	0.78	y	32:35	1.28	1150	-	-	*			
PCB-61	6.01e+07	0.77	y	32:46	1.23	2680	-	-	*	Co-elute PCB 70		
PCB-70	6.01e+07	0.77	y	32:46	1.23	2680	-	-	*	Co-elute PCB 61		
PCB-76	5.12e+07	0.77	y	32:59	1.38	2050	-	-	*	Co-elute PCB 66		
PCB-66	5.12e+07	0.77	y	32:59	1.38	2050	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.58	*	940	750	0.595			
PCB-55	1.04e+06	0.79	y	33:28	1.36	41.9	-	-	*			
13C-PCB-54	2.49e+07	0.81	y	25:37	1.21	1130					82.1	2.79e+06 3.36e+06
PCB-104	*	*	n	NotFnd	1.22	*	480	404	0.617			
PCB-96	4.08e+05	1.51	y	31:15	1.18	27.8	-	-	*			
PCB-103	7.13e+05	1.60	y	31:46	0.97	59.4	-	-	*			
PCB-100	2.31e+05	1.54	y	32:06	0.99	18.7	-	-	*			
PCB-94	2.28e+05	1.45	y	32:33	0.82	22.4	-	-	*			
PCB-98	*	*	n	NotFnd	0.86	*	480	404	0.877	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.86	*	480	404	0.877	Co-elute PCB 98		
PCB-95	3.13e+07	1.55	y	33:03	0.87	2900	-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*	480	404	0.879			
PCB-88	4.68e+06	1.49	y	33:26	0.90	419	-	-	*	Co-elute PCB 91		
PCB-91	4.68e+06	1.49	y	33:26	0.90	419	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.19	*	480	404	0.634			
13C-PCB-104	1.71e+07	1.59	y	30:02	0.78	1200					87.2	2.45e+06 1.58e+06
13C-PCB-28	4.92e+07	1.01	y	26:40	2.19	1230					89.5	5.73e+06 5.42e+06
13C-PCB-52	2.51e+07	0.81	y	28:56	-	15.9						

PCB-56	3.81e+07	0.81	y	33:57	1.25	1020	-	-	*			Co-elute PCB 60
PCB-60	3.81e+07	0.81	y	33:57	1.25	1020	-	-	*			Co-elute PCB 56
PCB-79	1.25e+06	0.78	y	34:58	1.31	32.1	-	-	*			
PCB-78	4.13e+05	0.68	y	35:34	1.27	11.0	-	-	*			
PCB-81	1.74e+06	0.81	y	36:10	1.33	44.8	-	-	*			
13C-PCB-81	4.00e+07	0.80	y	36:07	1.84	1350				98.7	3.77e+06	4.64e+06
PCB-77	3.96e+06	0.82	y	36:41	1.17	112	-	-	*			
13C-PCB-77	4.16e+07	0.80	y	36:41	1.89	1370				99.7	3.69e+06	4.58e+06
PCB-155	*	*	n	NotFnd	1.16	*	740	604	0.930			
PCB-150	8.57e+04	1.28	y	35:25	1.10	5.69	-	-	*			
PCB-152	4.49e+04	1.21	y	35:52	1.09	3.01	-	-	*			
PCB-145	*	*	n	NotFnd	1.12	*	740	604	0.967			
PCB-136	4.76e+06	1.27	y	36:36	1.06	328	-	-	*			
PCB-148	*	*	n	NotFnd	0.86	*	740	604	1.25			
PCB-154	4.80e+05	1.24	y	37:09	0.94	37.3	-	-	*			
13C-PCB-155	1.88e+07	1.30	y	34:11	1.02	1150				83.5	2.39e+06	1.87e+06
13C-PCB-111	2.56e+07	1.64	y	36:16	1.31	1210				88.5	3.54e+06	2.16e+06
13C-PCB-101	2.21e+07	1.64	y	34:37	-	16.4						
PCB-84	2.38e+07	1.59	y	34:18	0.69	1350	-	-	*			Co-elute PCB 92
PCB-92	2.38e+07	1.59	y	34:18	0.69	1350	-	-	*			Co-elute PCB 84
PCB-89	6.59e+05	1.74	y	34:29	0.68	38.0	-	-	*			
PCB-90	6.23e+07	1.60	y	34:39	0.76	3210	-	-	*			Co-elute PCB 101
PCB-101	6.23e+07	1.60	y	34:39	0.76	3210	-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.81	*	980	960	1.10			
PCB-99	2.66e+07	1.61	y	34:58	0.89	1180	-	-	*			
PCB-119	2.19e+06	1.60	y	35:24	0.97	89.0	-	-	*			
PCB-83	3.23e+06	1.56	y	35:34	0.76	167	-	-	*			Co-elute PCB 112
PCB-112	3.23e+06	1.56	y	35:34	0.76	167	-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.95	*	980	960	0.943			
PCB-97	1.60e+07	1.57	y	35:53	0.66	953	-	-	*			
PCB-86	2.54e+05	1.61	y	36:03	0.67	15.0	-	-	*			
PCB-125	2.04e+07	1.60	y	36:10	0.86	934	-	-	*			Co-elute PCB 87/117
PCB-87	2.04e+07	1.60	y	36:10	0.86	934	-	-	*			Co-elute PCB 125/117
PCB-117	2.04e+07	1.60	y	36:10	0.86	934	-	-	*			Co-elute PCB 125/87
PCB-111	1.01e+06	1.37	y	36:19	0.99	40.2	-	-	*			Co-elute PCB 115
PCB-115	1.01e+06	1.37	y	36:19	0.99	40.2	-	-	*			Co-elute PCB 111
PCB-85	7.87e+06	1.56	y	36:25	0.83	374	-	-	*			Co-elute PCB 116
PCB-116	7.87e+06	1.56	y	36:25	0.83	374	-	-	*			Co-elute PCB 85
PCB-120	2.71e+05	1.56	y	36:39	1.00	10.6	-	-	*			
PCB-110	6.72e+07	1.60	y	36:46	0.99	2680	-	-	*			
PCB-82	4.61e+06	1.62	y	37:23	0.58	312	-	-	*			
PCB-124	2.75e+06	1.56	y	38:01	1.27	85.1	-	-	*			
PCB-108	5.23e+06	1.65	y	38:11	1.26	163	-	-	*			Co-elute PCB 107
PCB-107	5.23e+06	1.65	y	38:11	1.26	163	-	-	*			Co-elute PCB 108
PCB-123	9.47e+05	1.49	y	38:19	1.21	30.9	-	-	*			
13C-PCB-123	3.48e+07	1.62	y	38:19	1.42	1310				95.2	4.47e+06	2.65e+06
PCB-118	5.48e+07	1.65	y	38:31	1.21	1780	-	-	*			Co-elute PCB 106
PCB-106	5.48e+07	1.65	y	38:31	1.21	1780	-	-	*			Co-elute PCB 118
13C-PCB-118	3.50e+07	1.61	y	38:29	1.54	1220				88.6	4.95e+06	2.98e+06
PCB-114	1.46e+06	1.69	y	39:07	1.30	43.2	-	-	*			
13C-PCB-114	3.57e+07	1.62	y	39:06	1.46	1310				95.5	4.63e+06	2.87e+06
PCB-122	7.58e+05	1.60	y	39:15	1.29	23.1	-	-	*			
PCB-105	1.85e+07	1.59	y	39:57	1.31	571	-	-	*			
13C-PCB-105	3.41e+07	1.64	y	39:55	1.45	1250				91.3	4.58e+06	2.80e+06

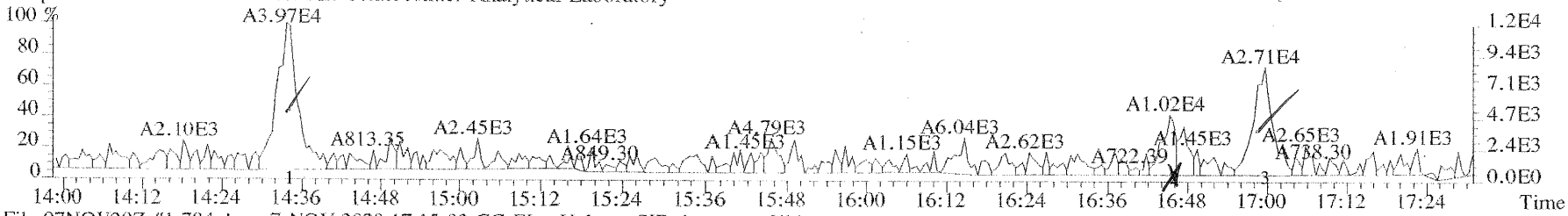
PCB-127	*	*	n	NotFnd	1.21	*	1080	960	0.777				
PCB-126	2.48e+05	1.54	y	42:03	1.28	8.18	-	-	*				
13C-PCB-126	3.26e+07	1.64	y	42:02	1.31	1320				96.6	3.99e+06	2.43e+06	
PCB-151	9.66e+06	1.27	y	37:47	1.00	497	-	-	*				
PCB-135	6.05e+06	1.26	y	37:58	1.01	309	-	-	*				
PCB-144	1.95e+06	1.25	y	38:05	1.03	97.4	-	-	*				
PCB-147	8.22e+05	1.31	y	38:13	1.11	38.1	-	-	*				
PCB-139	3.39e+07	1.24	y	38:26	1.09	1600	-	-	*		Co-elute PCB 149		
PCB-149	3.39e+07	1.24	y	38:26	1.09	1600	-	-	*		Co-elute PCB 139		
PCB-140	3.51e+05	1.14	y	38:38	1.11	16.4	-	-	*				
PCB-143	2.48e+06	1.27	y	39:04	0.90	142	-	-	*		Co-elute PCB 134		
PCB-134	2.48e+06	1.27	y	39:04	0.90	142	-	-	*		Co-elute PCB 143		
PCB-131	1.21e+06	1.31	y	39:19	0.92	68.0	-	-	*		Co-elute PCB 133		
PCB-133	1.21e+06	1.31	y	39:19	0.92	68.0	-	-	*		Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.94	*	840	790	0.947				
PCB-165	6.33e+06	1.27	y	39:42	1.20	272	-	-	*		Co-elute PCB 146		
PCB-146	6.33e+06	1.27	y	39:42	1.20	272	-	-	*		Co-elute PCB 165		
PCB-161	1.15e+07	1.26	y	39:57	1.14	521	-	-	*		Co-elute PCB 132		
PCB-132	1.15e+07	1.26	y	39:57	1.14	521	-	-	*		Co-elute PCB 161		
PCB-153	3.72e+07	1.28	y	40:05	1.19	1610	-	-	*				
PCB-168	*	*	n	NotFnd	1.33	*	840	790	0.669				
PCB-141	6.26e+06	1.22	y	40:46	1.03	315	-	-	*				
PCB-137	1.43e+06	1.27	y	41:09	1.03	72.1	-	-	*				
PCB-130	2.22e+06	1.29	y	41:14	0.89	129	-	-	*				
PCB-138	3.98e+07	1.26	y	41:35	1.19	1720	-	-	*		Co-elute PCB 163/164		
PCB-163	3.98e+07	1.26	y	41:35	1.19	1720	-	-	*		Co-elute PCB 138/164		
PCB-164	3.98e+07	1.26	y	41:35	1.19	1720	-	-	*		Co-elute PCB 138/163		
PCB-158	4.67e+06	1.22	y	41:49	1.33	181	-	-	*		Co-elute PCB 160		
PCB-160	4.67e+06	1.22	y	41:49	1.33	181	-	-	*		Co-elute PCB 158		
PCB-129	1.39e+06	1.22	y	42:03	0.87	82.9	-	-	*				
PCB-166	1.70e+05	1.25	y	42:30	1.29	6.78	-	-	*				
PCB-159	3.00e+05	1.31	y	42:51	1.39	11.2	-	-	*				
PCB-128	5.43e+06	1.28	y	43:03	1.12	251	-	-	*		Co-elute PCB 162		
PCB-162	5.43e+06	1.28	y	43:03	1.12	251	-	-	*		Co-elute PCB 128		
PCB-167	1.30e+06	1.26	y	43:26	1.24	53.1	-	-	*				
13C-PCB-167	2.73e+07	1.29	y	43:24	1.14	1270				92.8	3.52e+06	2.72e+06	
PCB-156	3.08e+06	1.28	y	44:40	1.30	122	-	-	*				
13C-PCB-156	2.66e+07	1.30	y	44:38	1.10	1280				93.7	3.49e+06	2.66e+06	
PCB-157	6.69e+05	1.15	y	44:55	1.27	27.0	-	-	*				
13C-PCB-157	2.68e+07	1.30	y	44:53	1.16	1240				90.3	3.28e+06	2.57e+06	
PCB-169	*	*	n	NotFnd	1.21	*	840	790	0.661				
13C-PCB-169	2.56e+07	1.32	y	46:45	1.07	1280				93.4	3.98e+06	3.03e+06	

FAL ID: 13380-014-0001-SA Filename: 07NOV20Z Sam:11 Acquired: 7-NOV-20 17:15:03 ICal: DAILY209FAL4-11-7-20
Client ID: LDW-Y3-LBS-SU-ENR-B-WORM ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 7.290

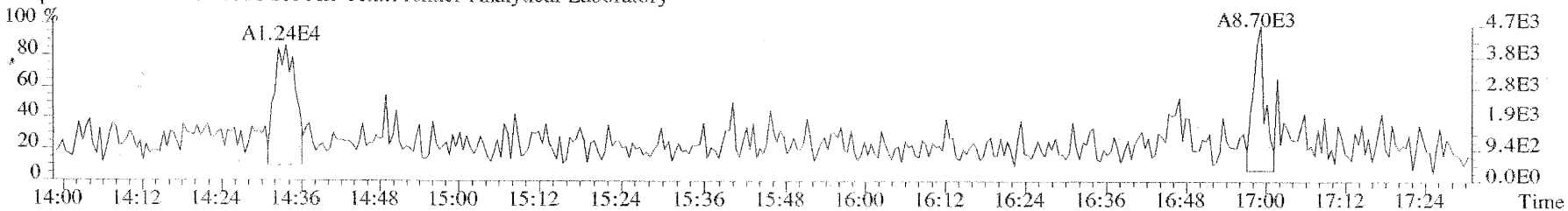
PCB-188	*	*	n	NotFnd	1.19	*		489	456	0.631			
13C-PCB-188	1.89e+07	1.08	y	39:42	0.92	1090					79.6	2.24e+06	2.08e+06
PCB-184	*	*	n	NotFnd	1.33	*		489	456	0.510			
PCB-179	2.58e+06	1.08	y	40:53	1.26	158		-	-	*			
PCB-176	7.58e+05	1.17	y	41:19	1.20	48.7		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		489	456	0.556			
PCB-178	8.90e+05	1.08	y	42:21	0.88	78.0		-	-	*			
PCB-175	1.54e+05	1.06	y	42:41	0.93	12.8		-	-	*			
PCB-187	5.00e+06	1.04	y	42:49	1.00	386		-	-	*		Co-elute PCB 182	
PCB-182	5.00e+06	1.04	y	42:49	1.00	386		-	-	*		Co-elute PCB 187	
PCB-183	2.25e+06	1.10	y	43:09	0.99	174		-	-	*			
PCB-185	4.07e+05	1.08	y	43:47	0.90	34.7		-	-	*			
PCB-174	3.50e+06	1.04	y	44:07	0.84	320		-	-	*			
PCB-181	*	*	n	NotFnd	1.01	*		489	456	0.673			
PCB-177	1.98e+06	1.03	y	44:23	0.86	177		-	-	*			
PCB-171	9.08e+05	1.06	y	44:40	0.91	77.0		-	-	*			
PCB-173	7.48e+04	1.01	y	45:04	0.85	6.77		-	-	*			
PCB-172	4.93e+05	1.12	y	45:27	0.85	44.3		-	-	*			
PCB-192	*	*	n	NotFnd	1.15	*		489	456	0.592			
PCB-180	6.17e+06	1.05	y	45:47	0.89	530		-	-	*			
PCB-193	4.75e+05	1.04	y	45:57	1.22	30.0		-	-	*			
PCB-191	1.62e+05	1.13	y	46:10	1.18	10.5		-	-	*			
PCB-170	2.40e+06	1.07	y	47:05	0.84	219		-	-	*			
PCB-190	7.05e+05	1.13	y	47:14	1.15	47.0		-	-	*			
PCB-189	1.12e+05	0.90	y	48:27	1.15	7.90		-	-	*			
13C-PCB-189	1.68e+07	1.07	y	48:25	0.80	1120					81.9	2.81e+06	2.62e+06
PCB-202	2.18e+05	0.88	y	44:50	1.11	21.5		-	-	*			
PCB-201	1.33e+05	0.85	y	45:16	1.19	12.2		-	-	*			
PCB-204	*	*	n	NotFnd	1.21	*		424	452	0.878			
PCB-197	4.90e+04	0.78	y	45:41	1.22	4.36		-	-	*			
PCB-200	1.21e+05	0.81	y	46:25	1.19	11.1		-	-	*			
PCB-198	3.40e+04	0.95	y	47:37	0.86	4.30		-	-	*			
PCB-199	6.41e+05	0.92	y	47:42	0.88	79.4		-	-	*			
PCB-203	6.80e+05	0.81	y	47:57	0.95	77.5		-	-	*		Co-elute PCB 196	
PCB-196	6.80e+05	0.81	y	47:57	0.95	77.5		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.26e+07	0.92	y	44:48	0.64	1040					76.1	1.33e+06	1.49e+06
13C-PCB-178	1.47e+07	1.07	y	42:20	0.67	1160					84.9	1.74e+06	1.59e+06
13C-PCB-138	2.57e+07	1.29	y	41:34	-	16.8							
PCB-195	5.18e+05	0.85	y	49:03	0.93	27.5		-	-	*			
PCB-194	1.15e+06	0.86	y	49:51	0.95	59.9		-	-	*			
PCB-205	1.06e+05	0.80	y	50:06	1.18	4.44		-	-	*			
13C-PCB-205	2.78e+07	0.89	y	50:05	1.24	1230					89.6	4.63e+06	5.16e+06
PCB-208	9.39e+04	1.27	y	49:09	1.11	4.73		-	-	*			
13C-PCB-208	2.46e+07	0.80	y	49:09	1.12	1210					88.2	3.44e+06	4.21e+06
PCB-207	4.23e+04	1.18	y	49:27	1.29	2.20	J	-	-	*			
PCB-206	2.11e+05	1.39	y	51:18	1.13	15.5		-	-	*			
13C-PCB-206	1.64e+07	0.80	y	51:18	0.84	1070					78.2	2.13e+06	2.68e+06
PCB-209	6.27e+04	1.31	y	52:30	1.24	4.61		-	-	*			
13C-PCB-209	1.50e+07	1.22	y	52:28	0.81	1010					73.8	2.62e+06	2.09e+06
13C-PCB-194	2.50e+07	0.92	y	49:49	-	15.6							

Analyst: _____ Date: 11/9/2021

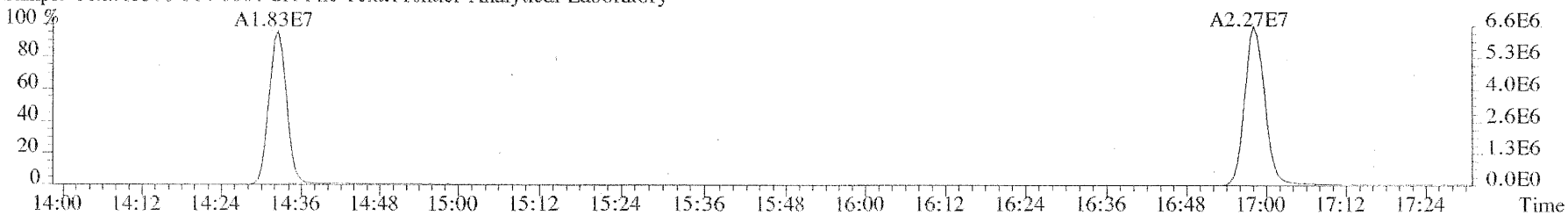
File:07NOV20Z #1-784 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



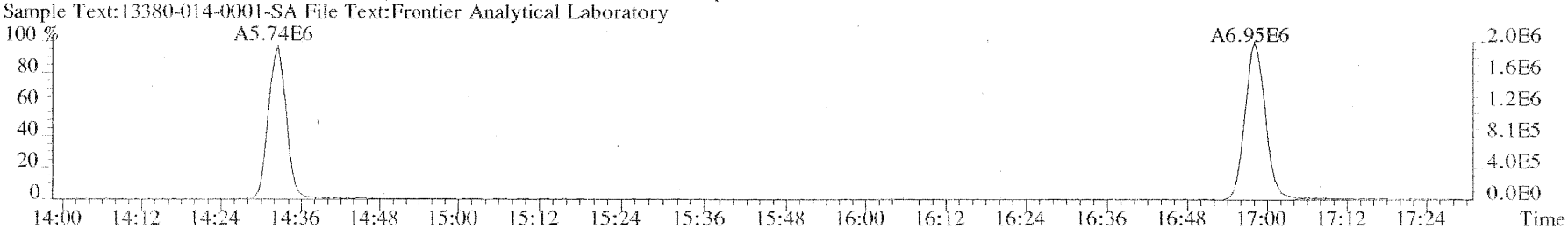
File:07NOV20Z #1-784 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



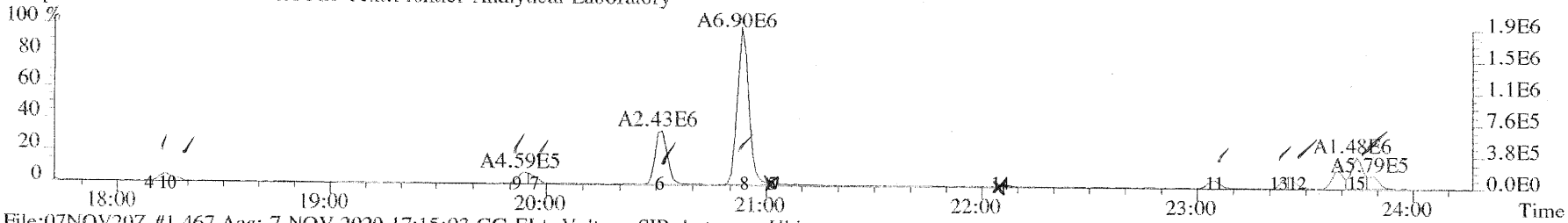
File:07NOV20Z #1-784 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



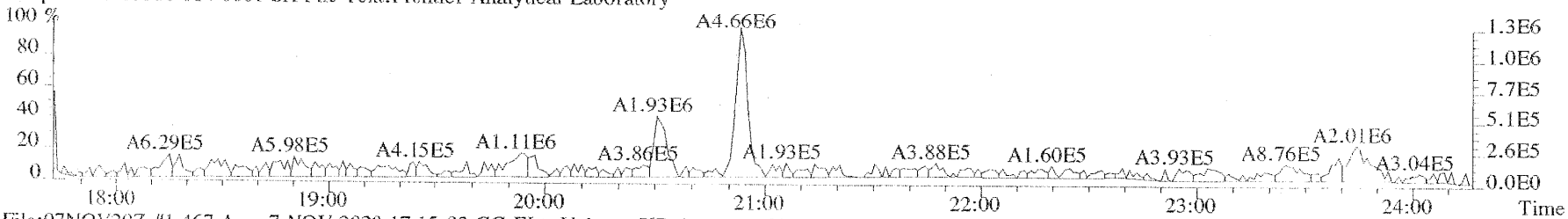
File:07NOV20Z #1-784 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



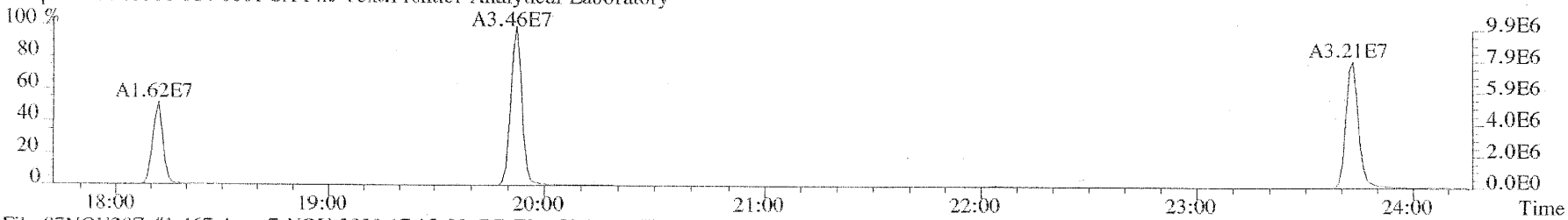
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



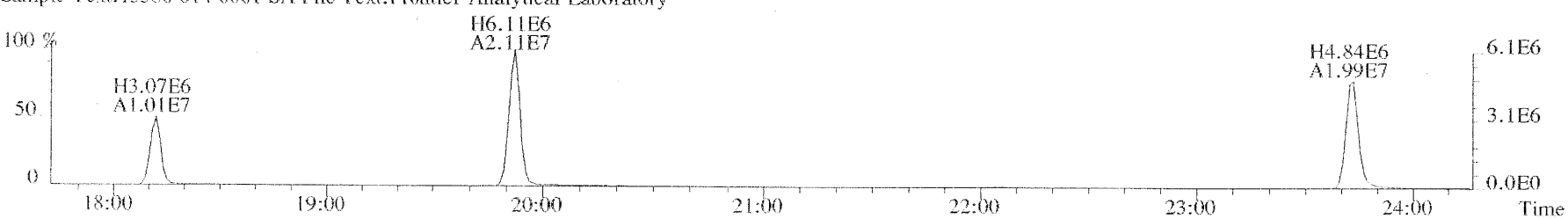
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



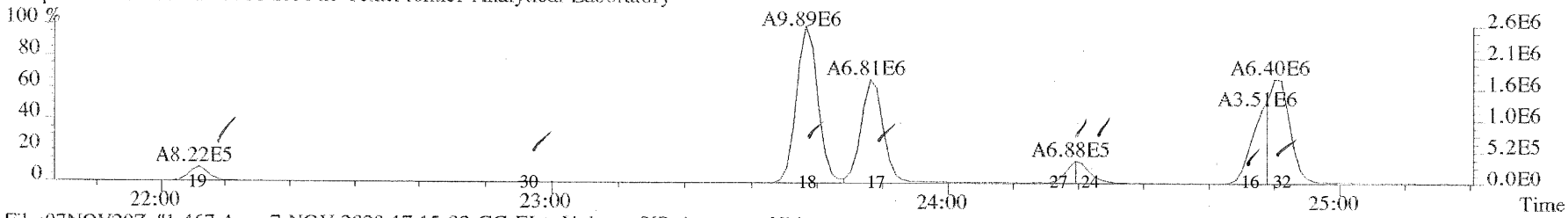
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



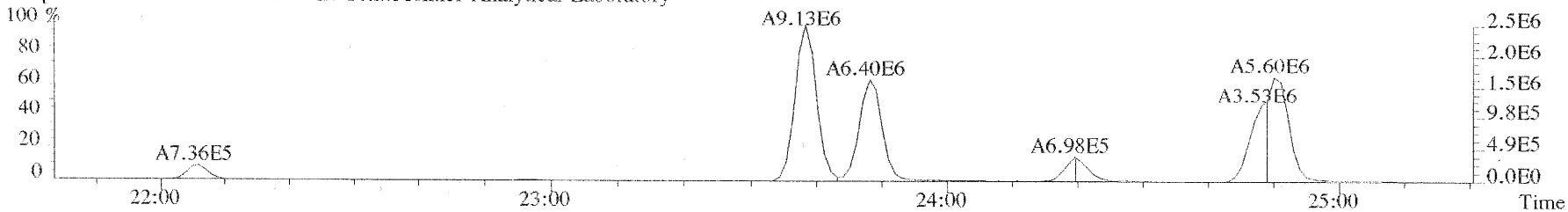
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



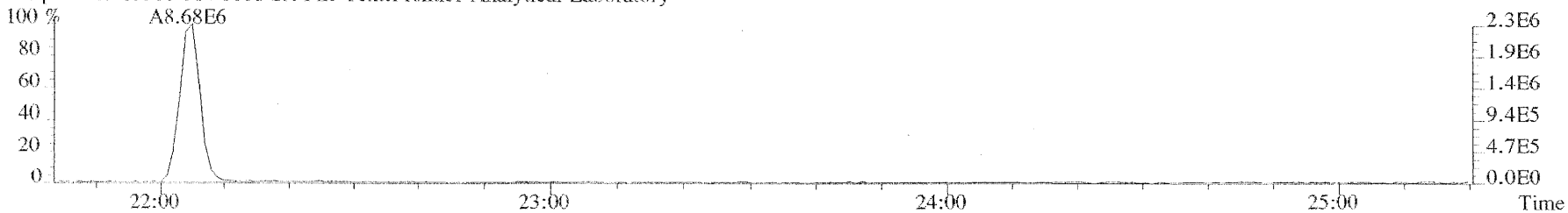
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



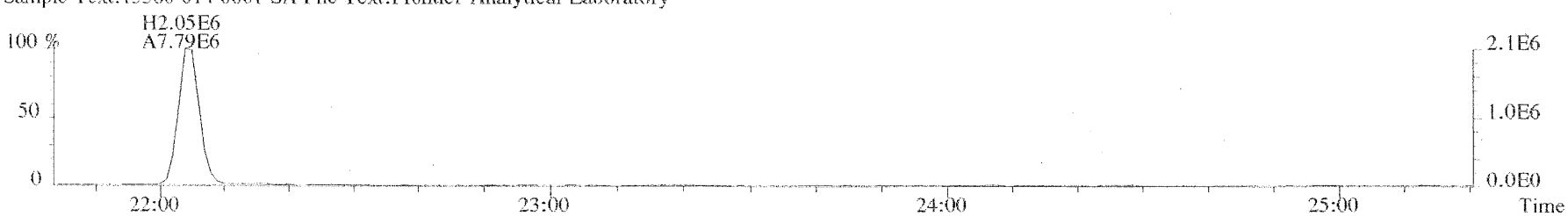
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



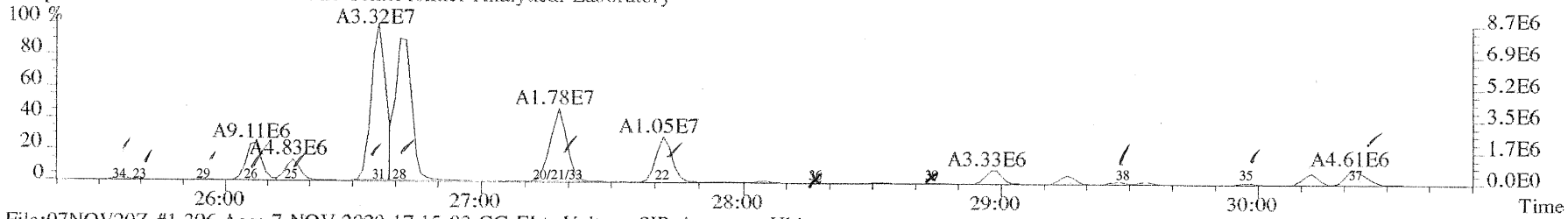
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



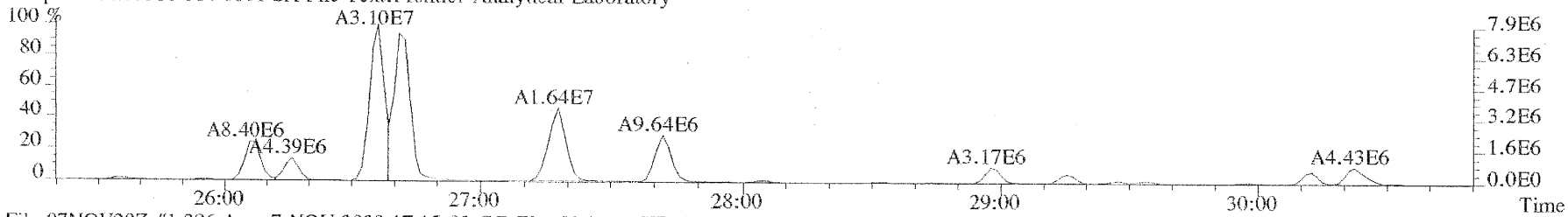
File:07NOV20Z #1-467 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



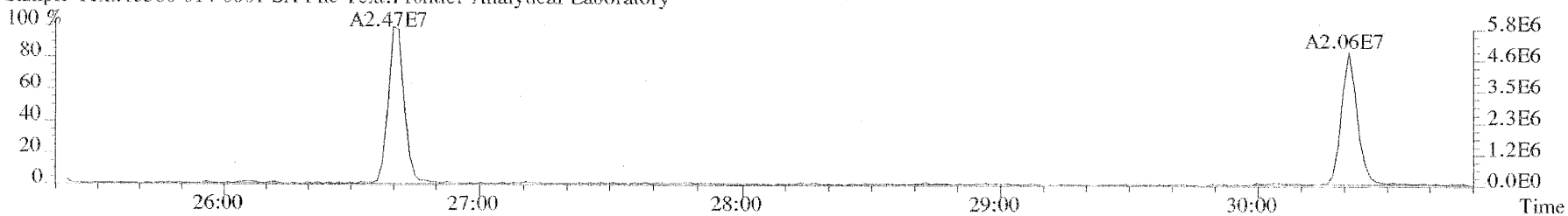
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



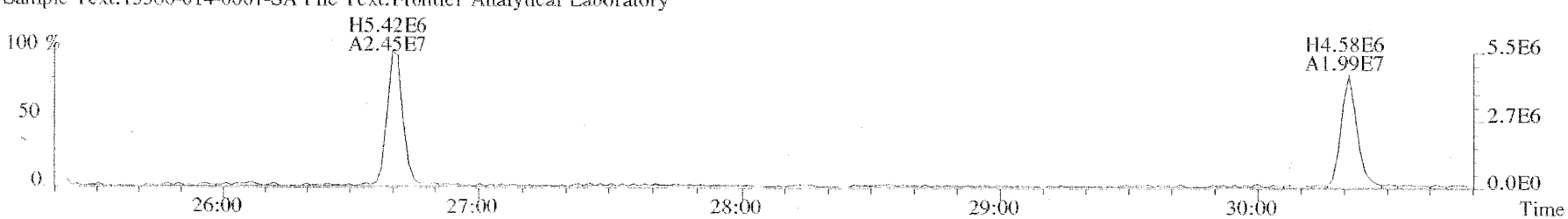
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



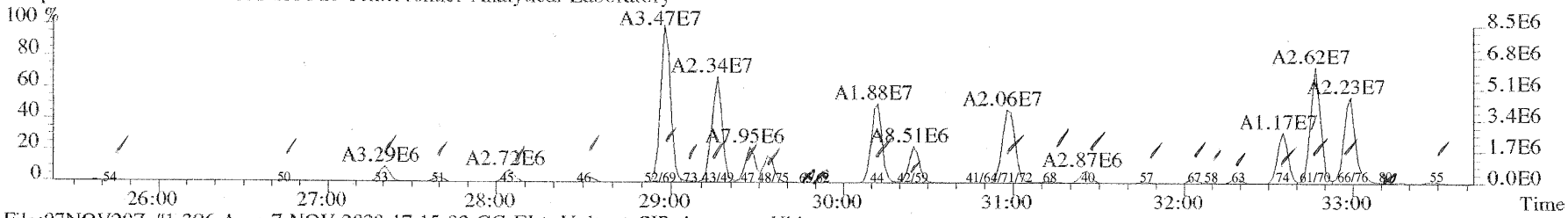
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



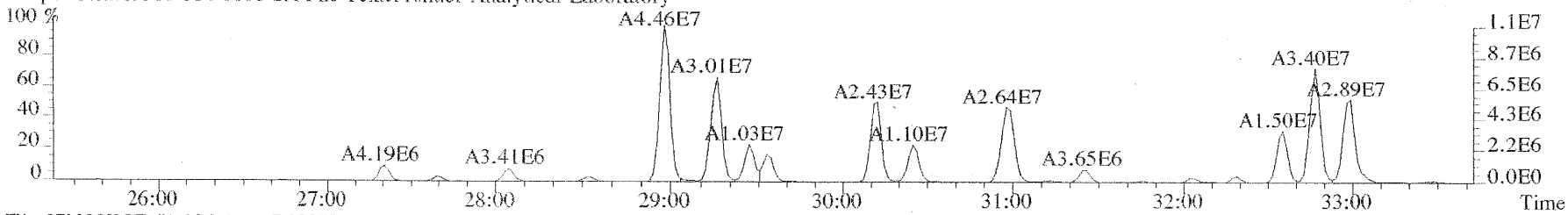
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



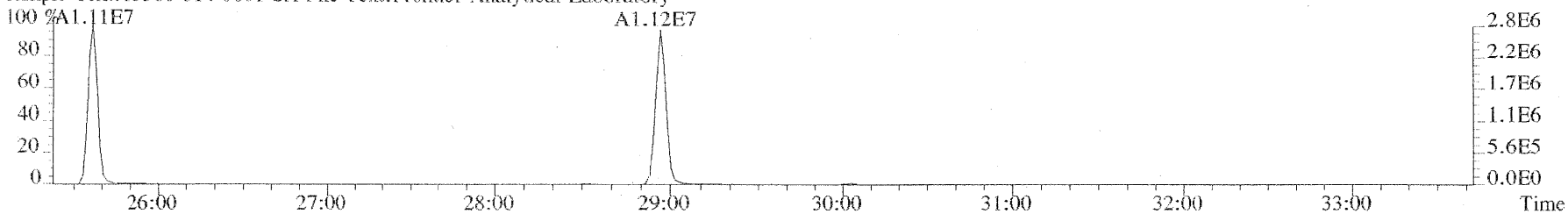
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



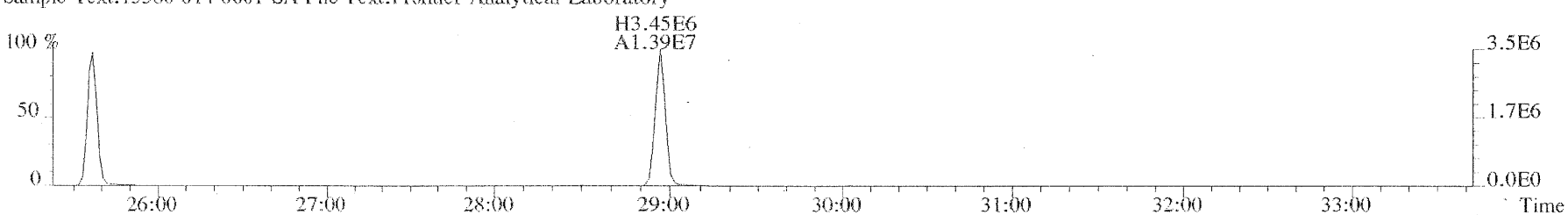
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



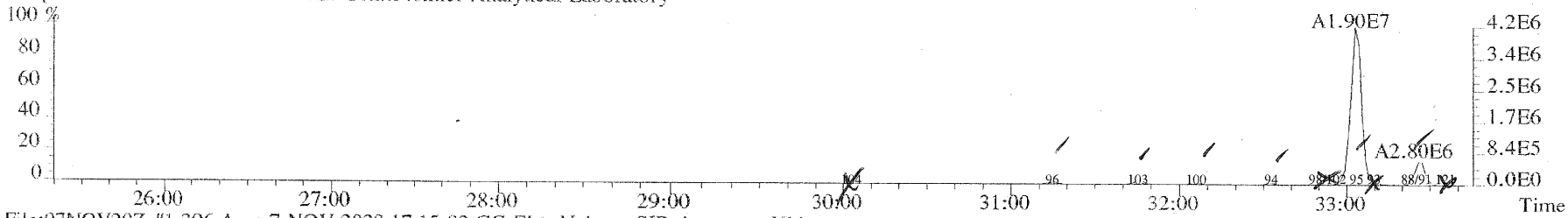
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



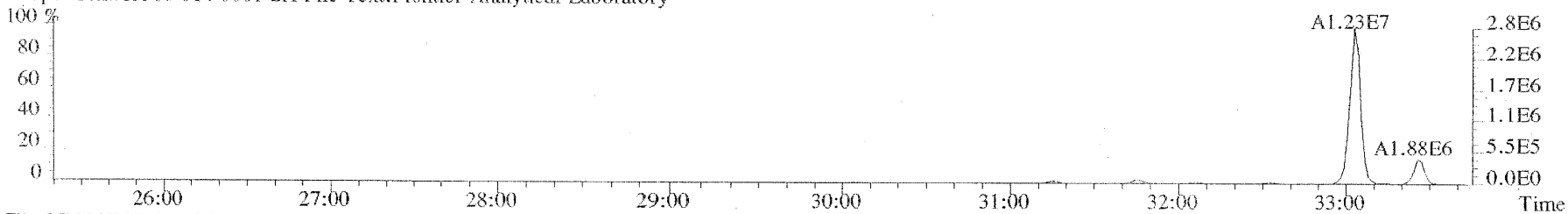
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



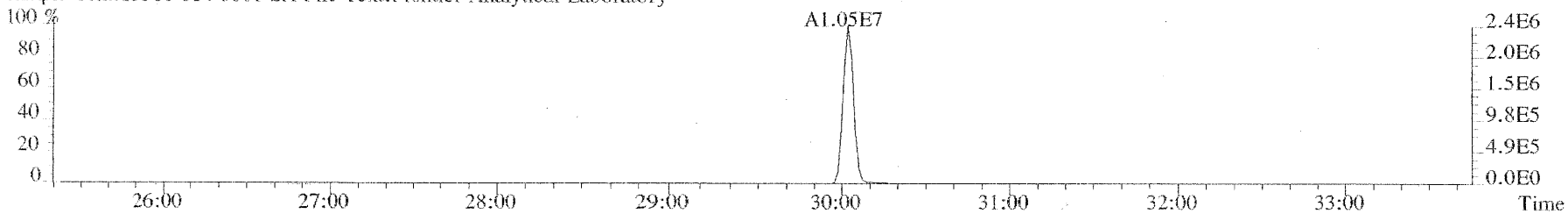
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



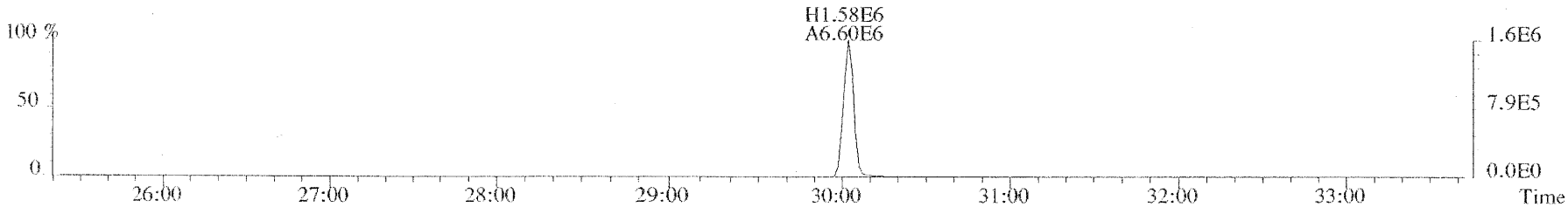
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



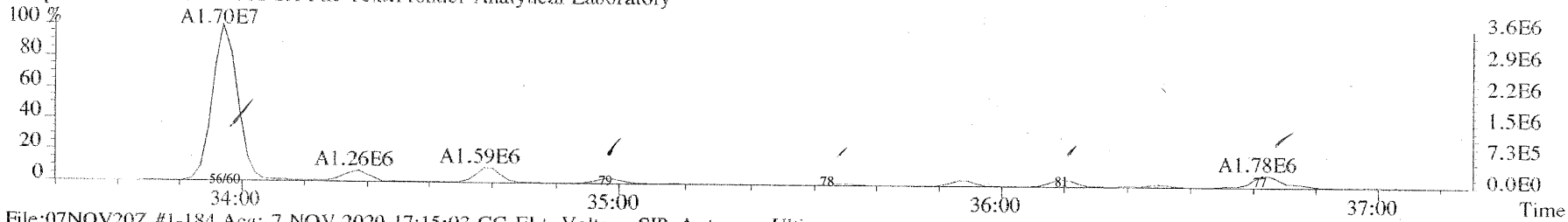
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



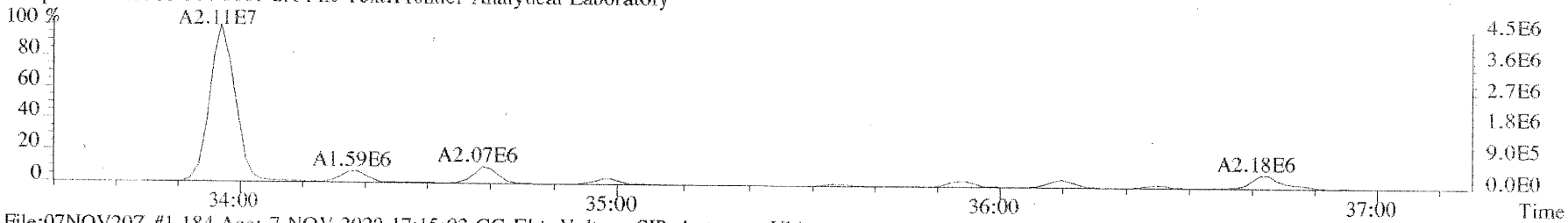
File:07NOV20Z #1-396 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



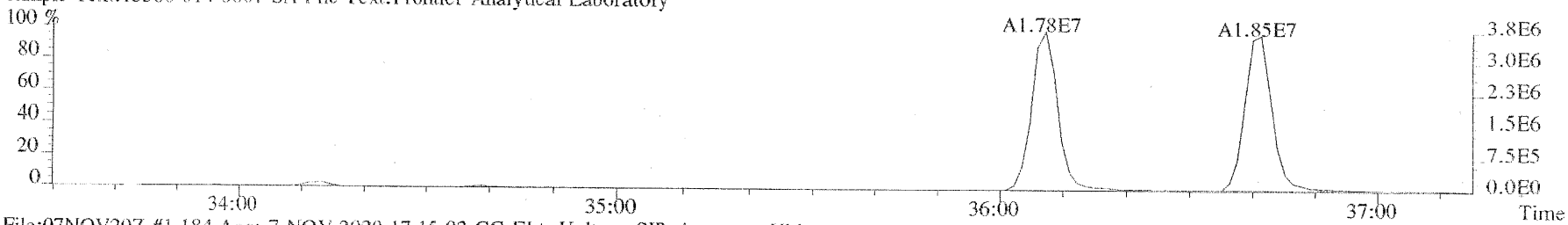
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



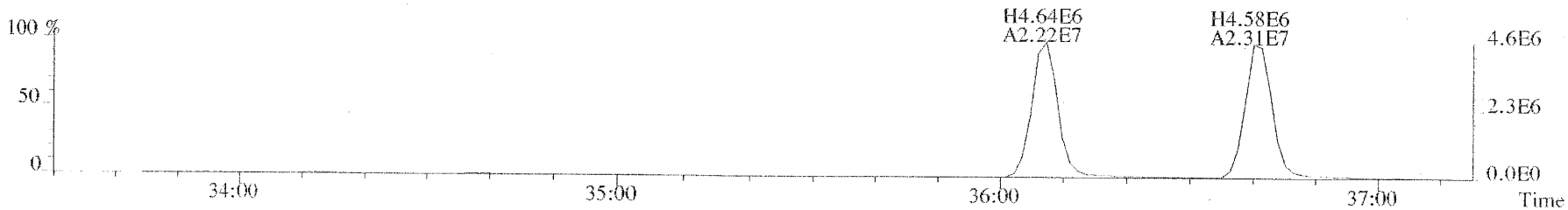
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



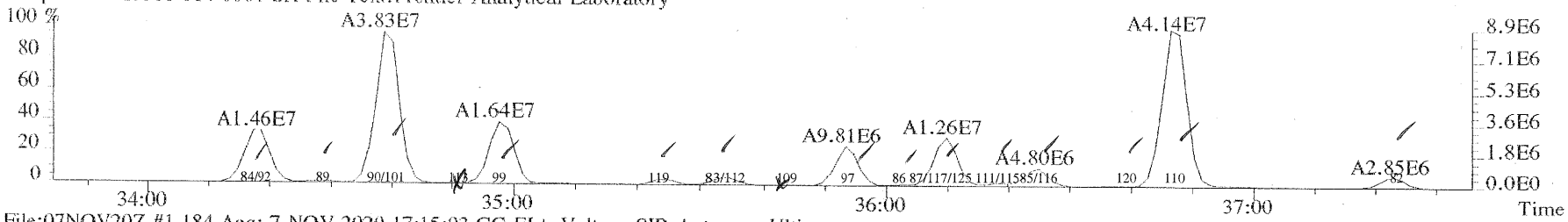
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



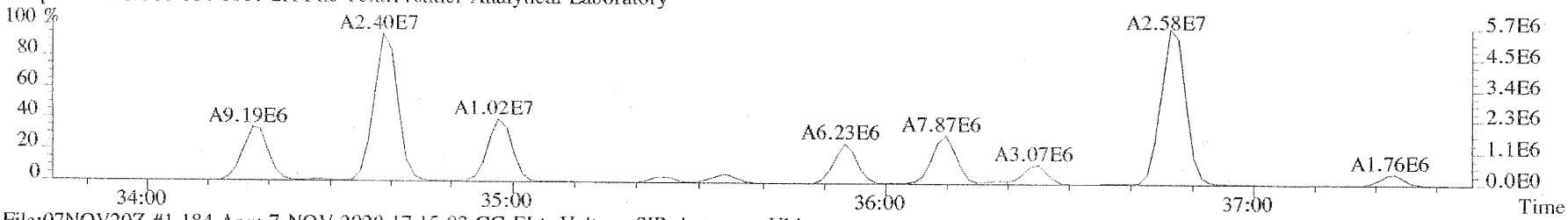
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



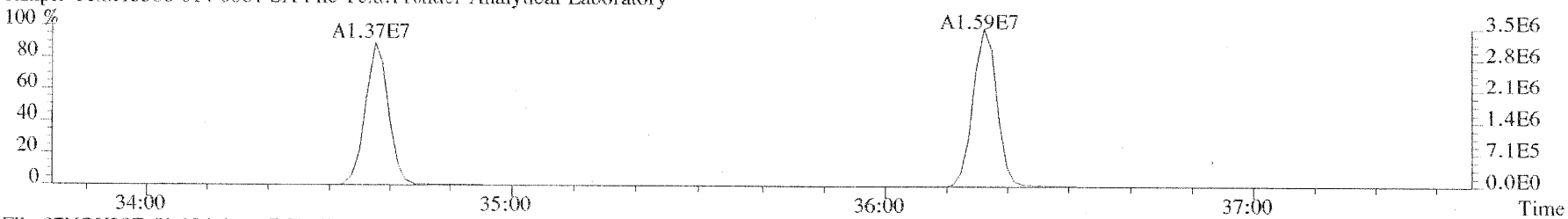
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



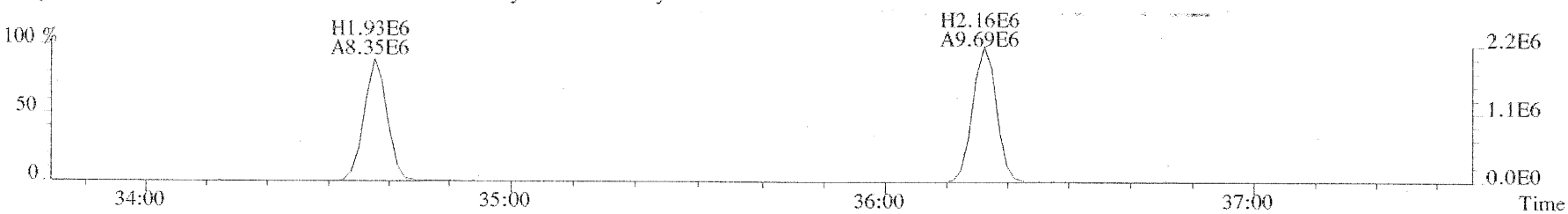
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



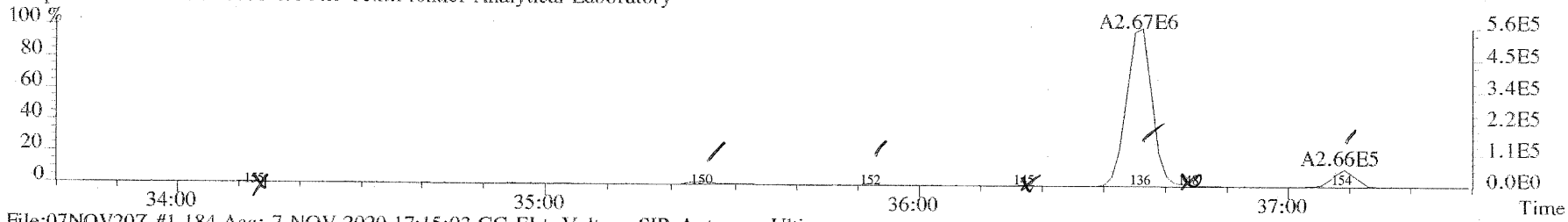
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



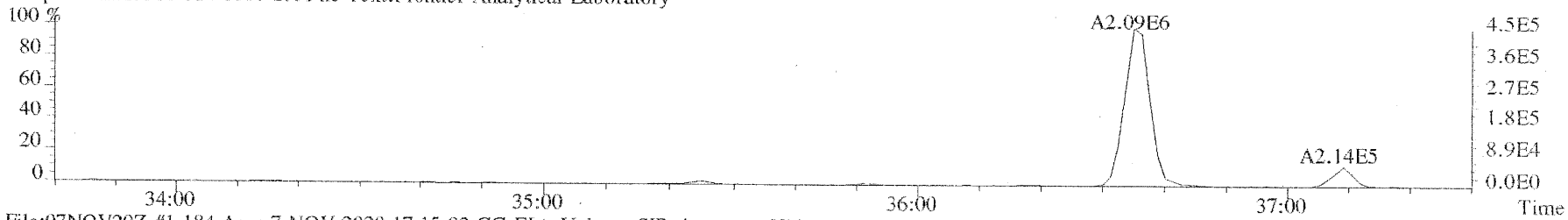
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



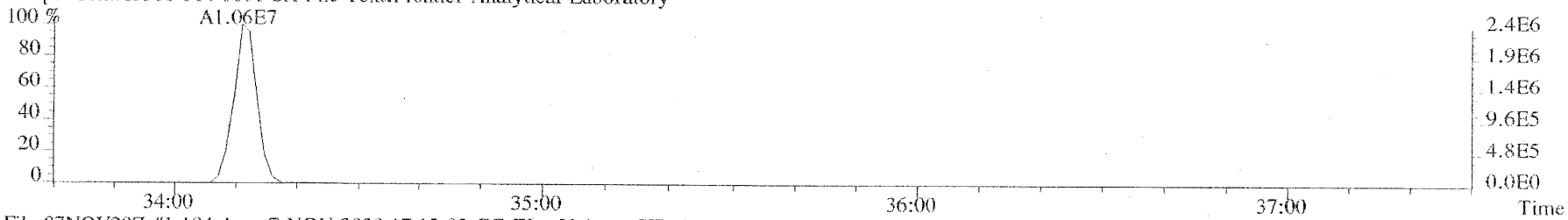
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



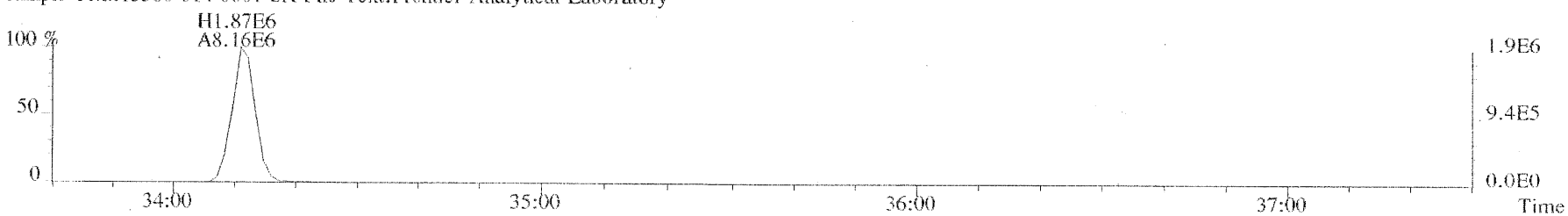
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



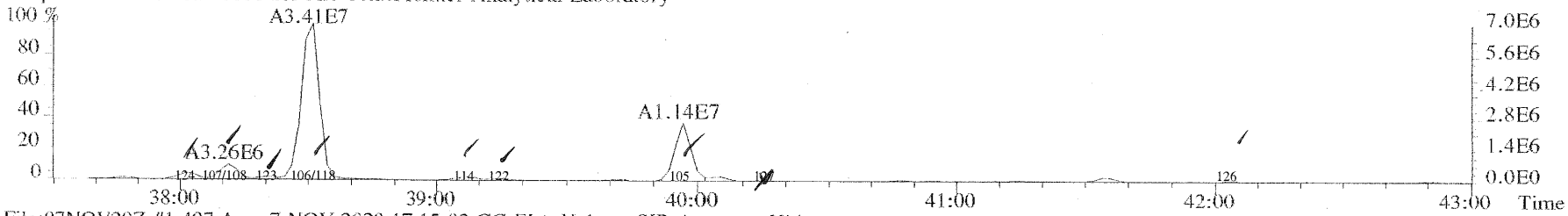
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



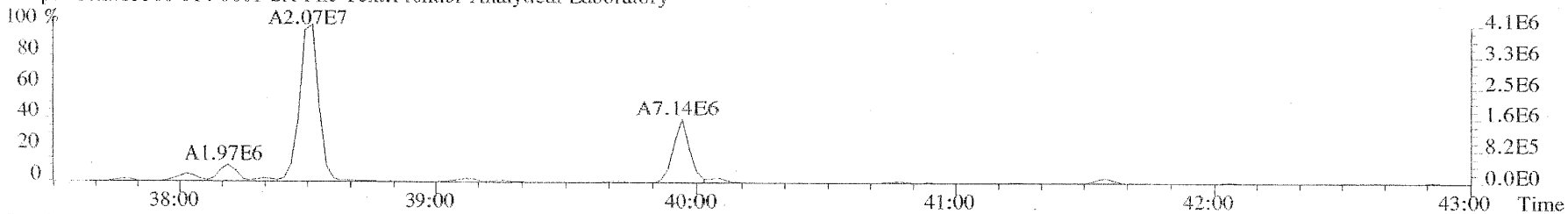
File:07NOV20Z #1-184 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



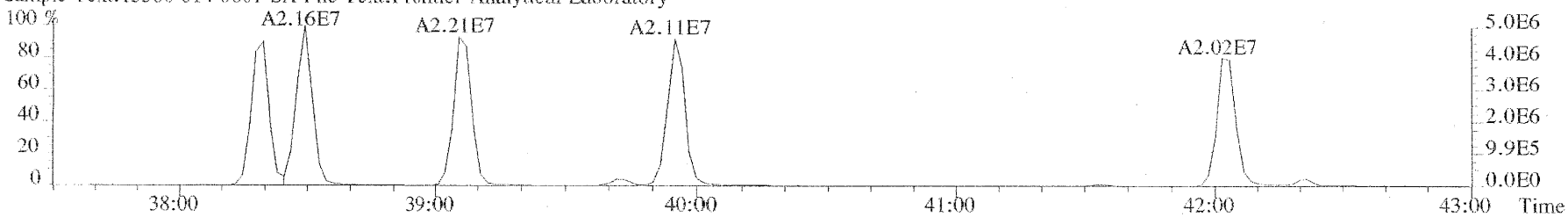
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



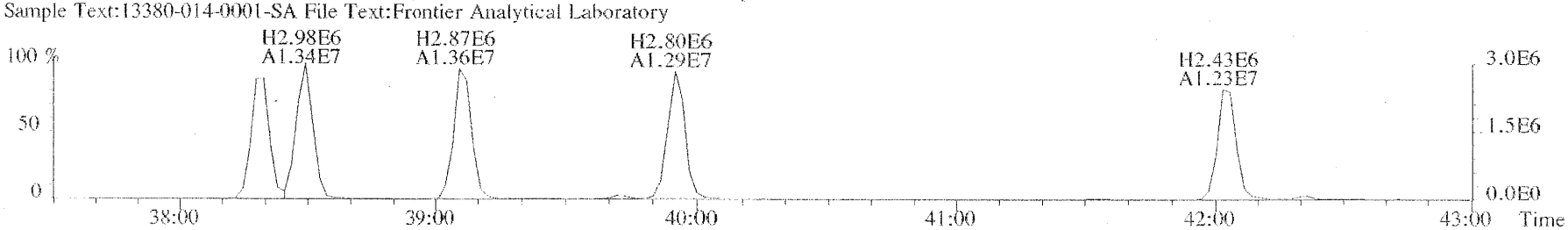
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



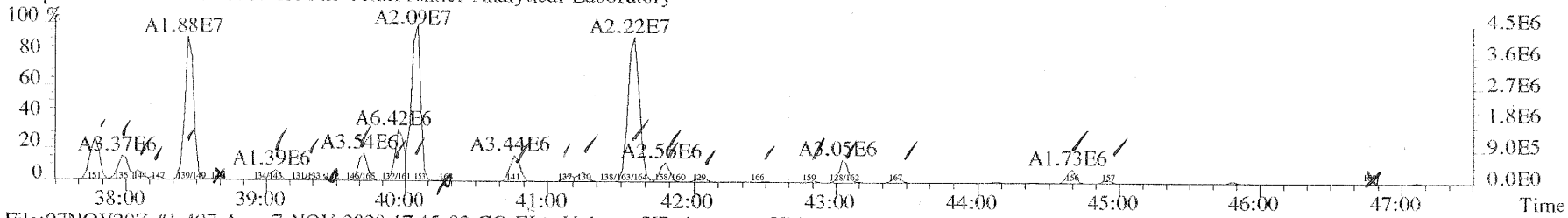
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



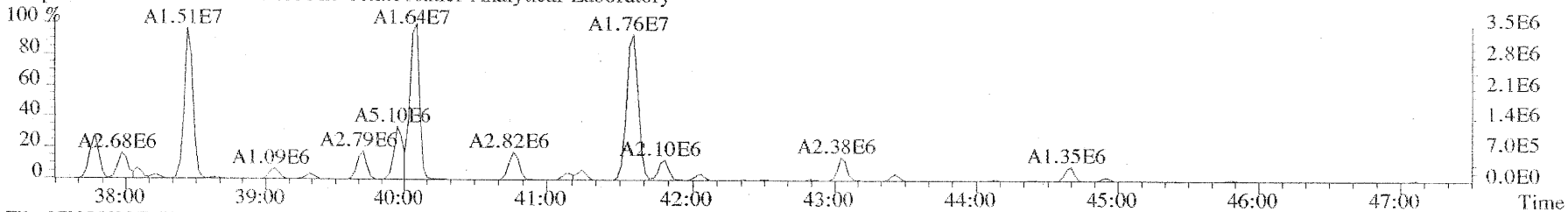
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



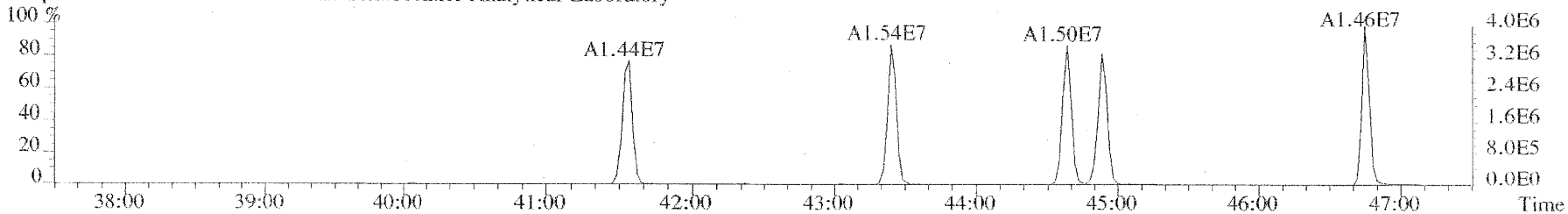
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



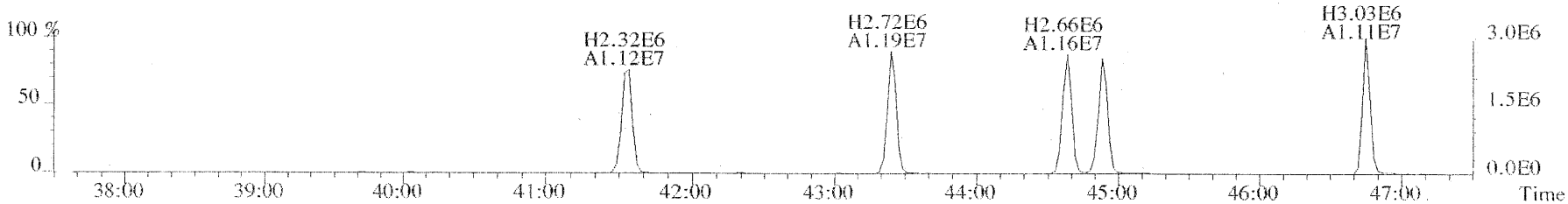
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



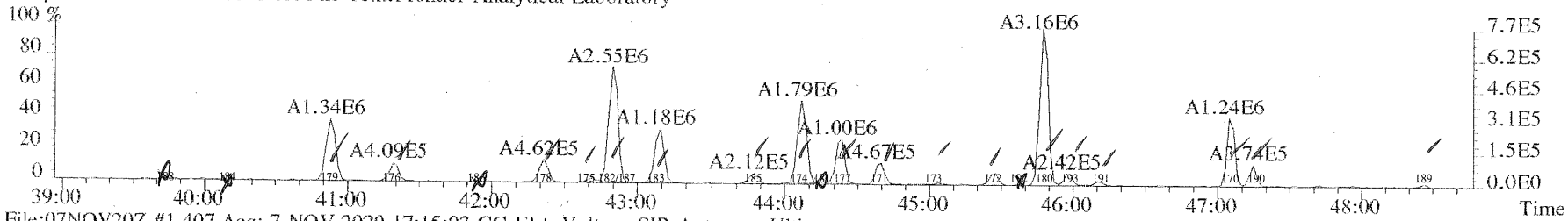
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



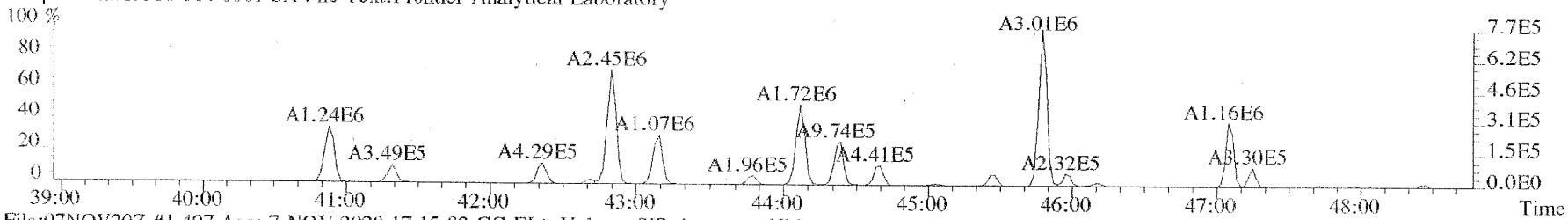
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



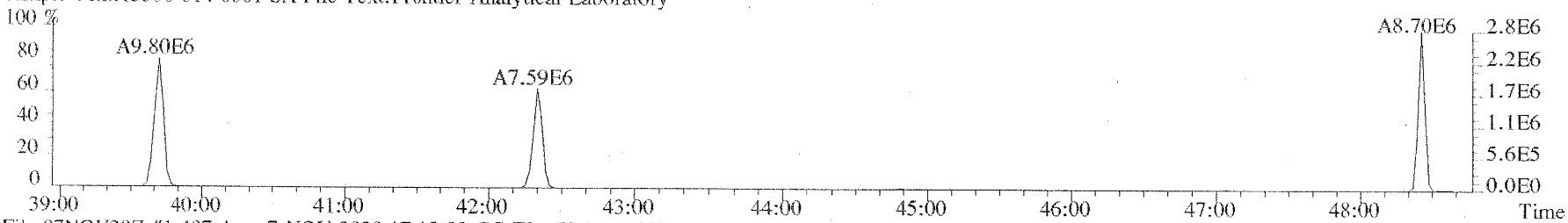
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



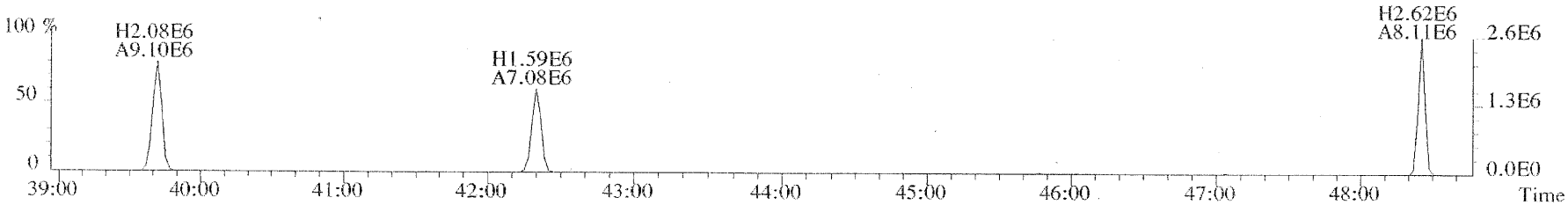
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



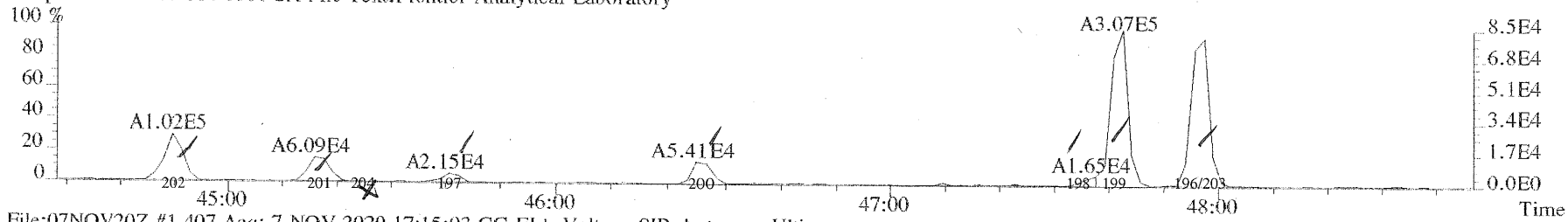
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



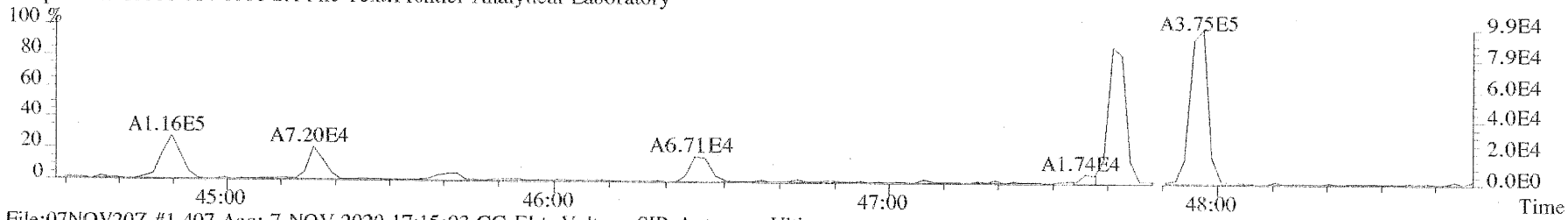
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



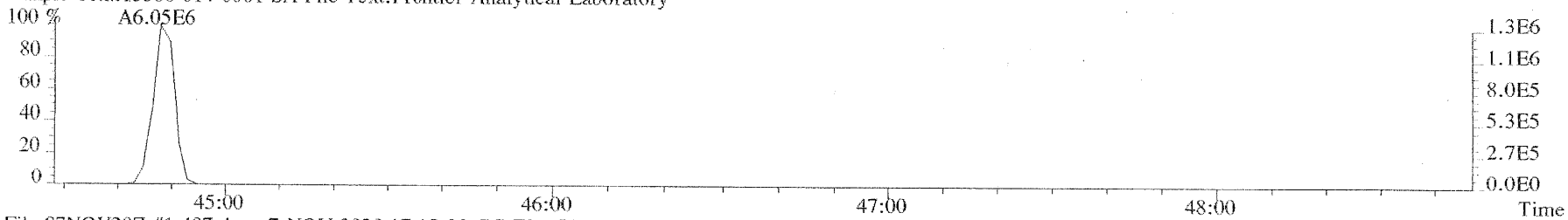
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



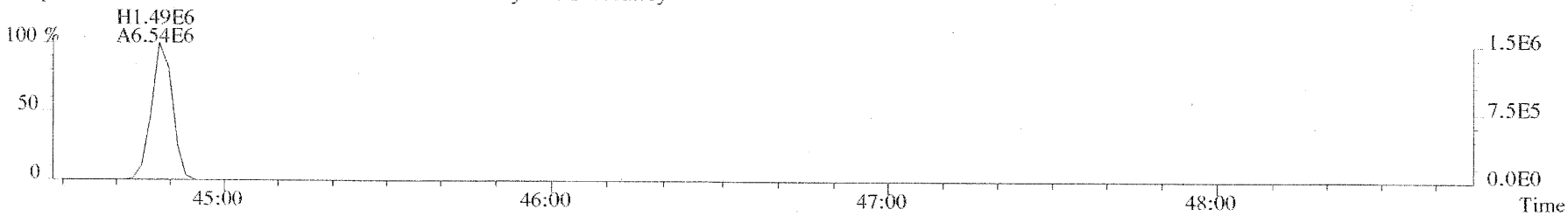
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



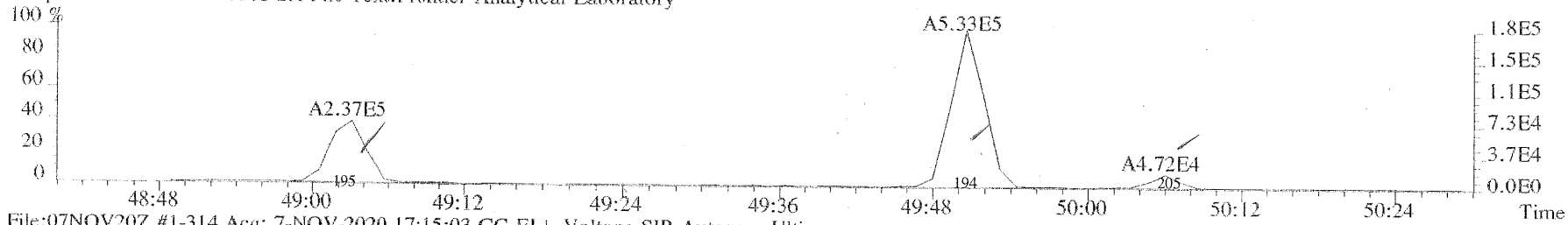
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



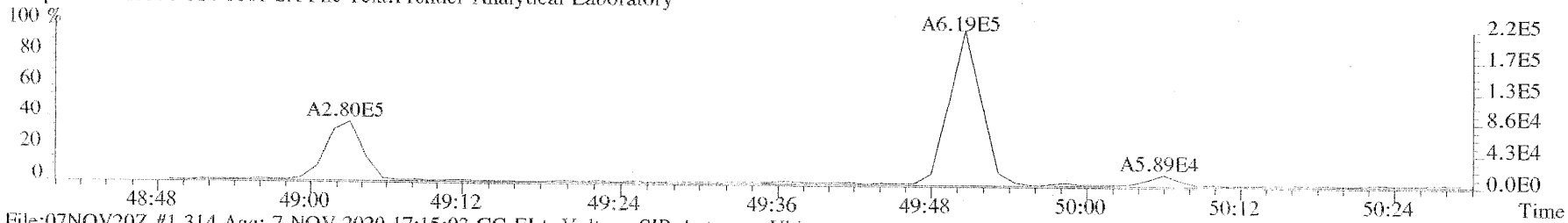
File:07NOV20Z #1-407 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



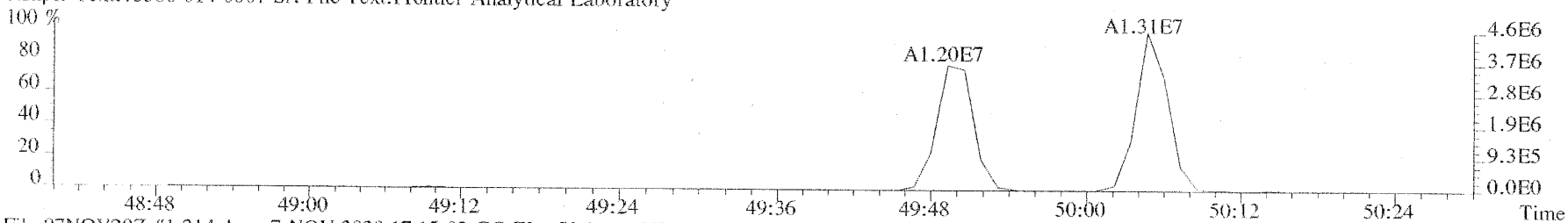
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



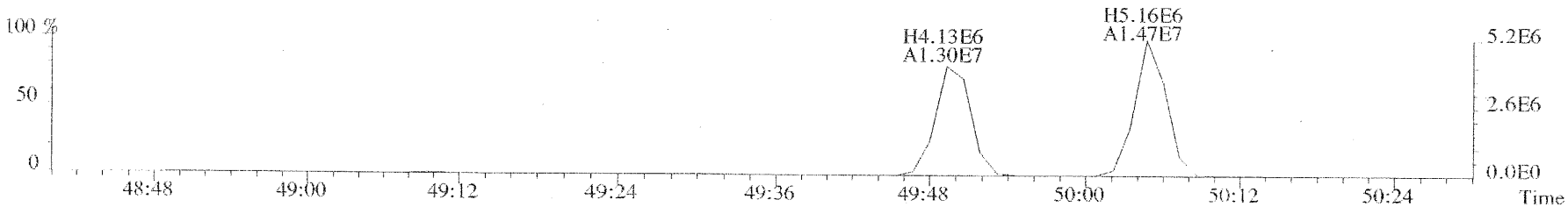
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



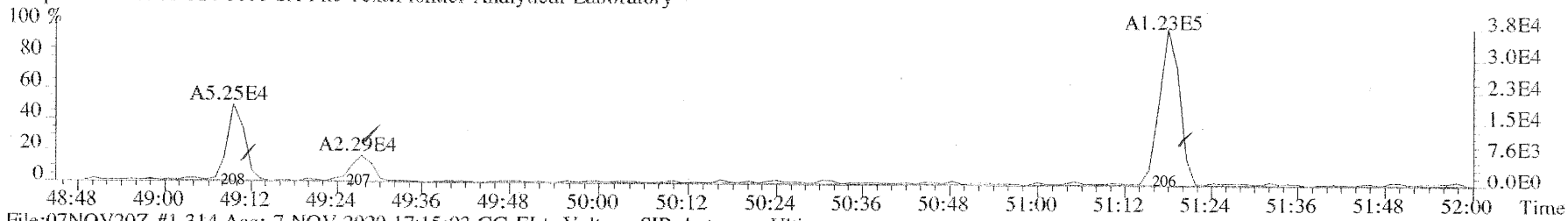
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 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:13380-014-0001-SA File Text:Frontier Analytical Laboratory



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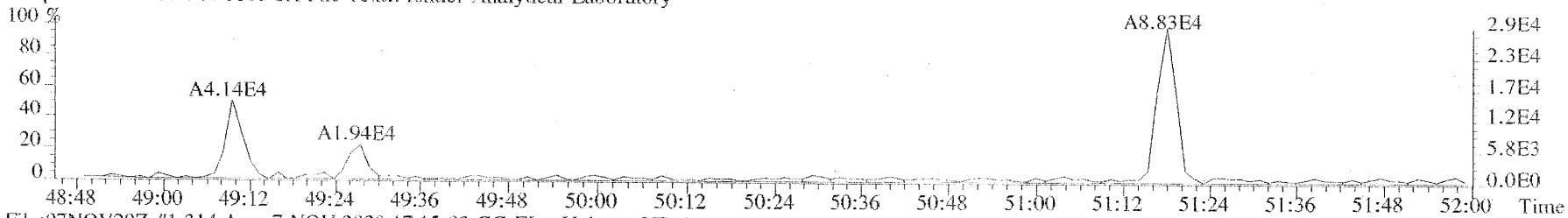
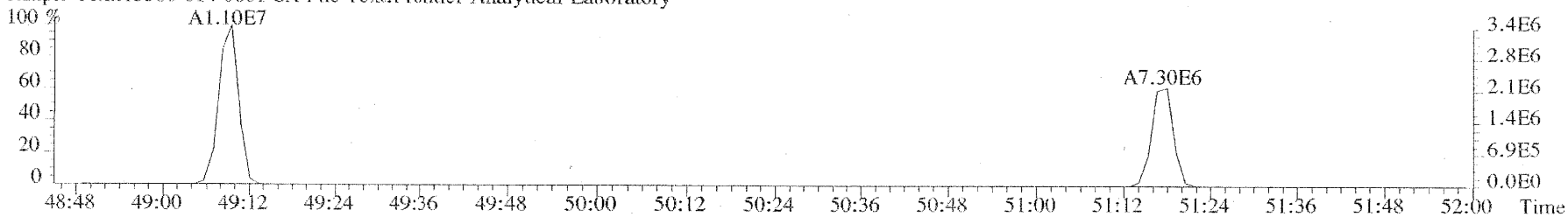
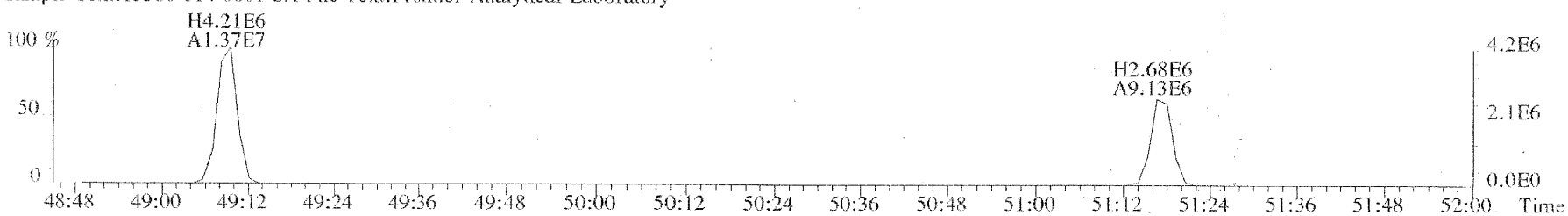
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



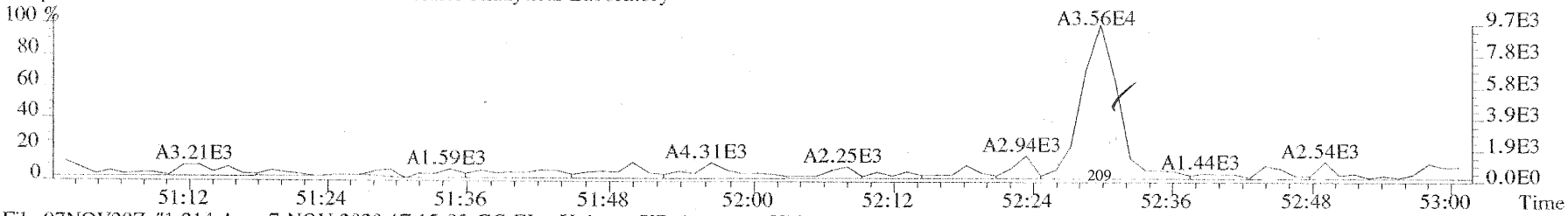
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



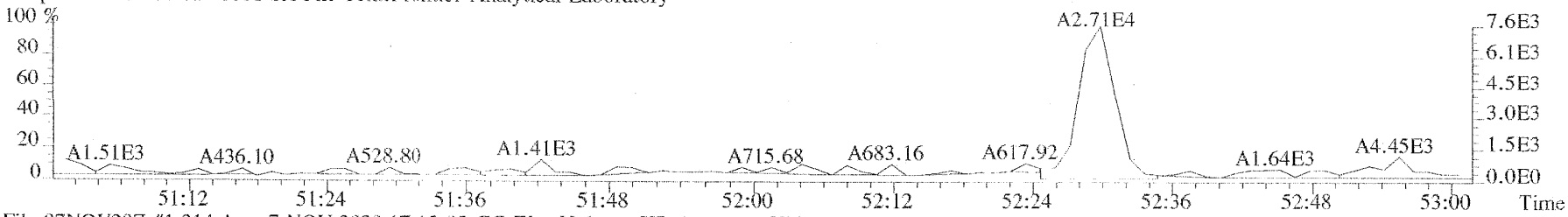
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



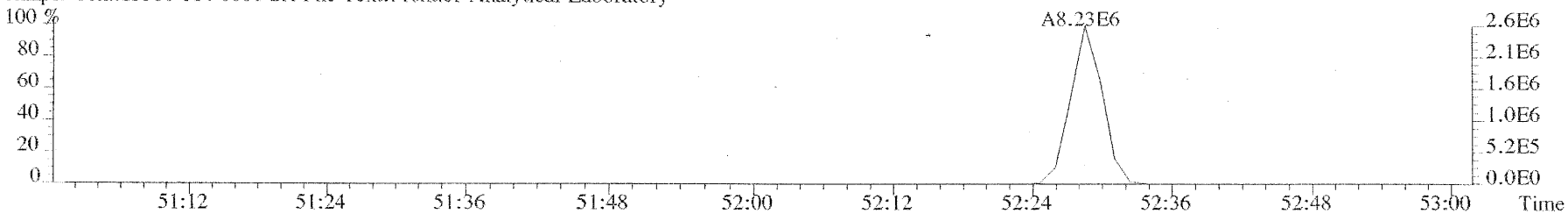
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



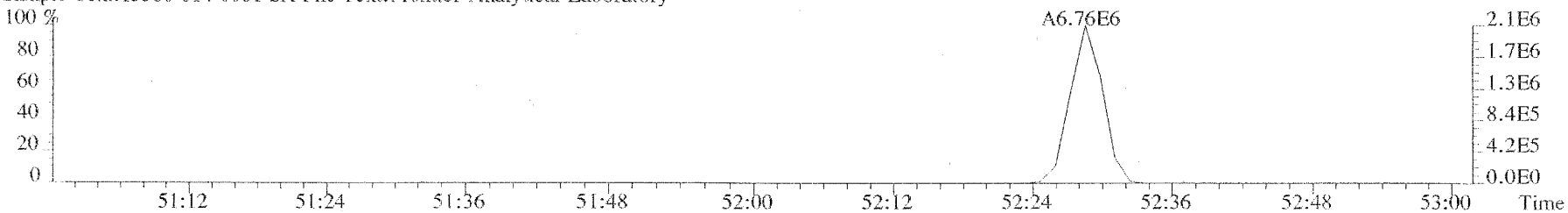
File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 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:13380-014-0001-SA File Text:Frontier Analytical Laboratory



File:07NOV20Z #1-314 Acq: 7-NOV-2020 17:15:03 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:13380-014-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13380-021-0001-SA Filename: 09NOV20Z Sam:4 Acquired: 9-NOV-20 14:57:16 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR-C-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 4.480

Name	Resp	RA		RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	*	n	NotFnd	1.29	*		1760	1500	1.06			
13C-PCB-1	3.50e+07	3.19	y	14:34	0.83	1500					67.4	1.01e+07	3.15e+06
PCB-2	*	*	n	NotFnd	1.28	*		1760	1500	1.03			
PCB-3	*	*	n	NotFnd	1.26	*		1760	1500	1.02			
13C-PCB-3	4.06e+07	3.37	y	16:60	0.80	1810					81.2	1.11e+07	3.17e+06
PCB-4	6.58e+04	1.53	y	18:15	1.09	3.85	J	-	-	*			
PCB-10	6.76e+04	1.56	y	18:18	1.50	2.16	J	-	-	*			
13C-PCB-4	3.49e+07	1.60	y	18:14	0.66	1900					85.1	6.80e+06	4.31e+06
PCB-9	2.40e+05	1.42	y	19:57	1.41	8.18		-	-	*			
PCB-7	1.44e+05	1.50	y	20:00	1.44	4.83		-	-	*			
PCB-6	5.44e+05	1.51	y	20:34	1.38	18.9		-	-	*			
PCB-8	2.62e+06	1.49	y	20:57	1.37	91.4		-	-	*			
PCB-5	*	*	n	NotFnd	1.43	*		654	3510	1.13			
PCB-14	*	*	n	NotFnd	1.43	*		654	3510	1.13			
PCB-11	5.19e+05	1.55	y	23:07	1.34	18.7		-	-	*			
PCB-13	1.71e+05	1.41	y	23:28	1.32	6.22		-	-	*			
PCB-12	8.38e+04	1.49	y	23:30	1.35	2.98	J	-	-	*			
PCB-15	1.00e+06	1.52	y	23:47	1.20	32.2		-	-	*			
13C-PCB-15	5.81e+07	1.62	y	23:46	0.99	2100					94.0	1.08e+07	6.68e+06
PCB-19	3.60e+05	1.15	y	22:09	1.21	28.3		-	-	*			
PCB-30	*	*	n	NotFnd	1.89	*		2060	524	1.13			
PCB-18	2.88e+06	1.07	y	23:42	1.28	212		-	-	*			
PCB-17	3.12e+06	1.06	y	23:53	1.38	214		-	-	*			
PCB-27	5.02e+05	1.06	y	24:23	1.72	27.6		-	-	*			
PCB-24	4.94e+05	1.14	y	24:24	1.78	26.3		-	-	*			
PCB-16	2.32e+06	1.07	y	24:53	1.53	143		-	-	*			
PCB-32	2.74e+06	1.10	y	24:54	1.60	162		-	-	*			
13C-PCB-19	2.36e+07	1.10	y	22:08	0.46	1830					82.1	3.49e+06	3.24e+06
13C-PCB-9	6.25e+07	1.61	y	19:55	-	23.0							
PCB-34	1.76e+05	1.08	y	25:39	1.26	6.18		-	-	*			
PCB-23	*	*	n	NotFnd	1.36	*		1290	1270	0.840			
PCB-29	1.46e+05	1.08	y	25:59	1.33	4.81		-	-	*			
PCB-26	4.63e+06	1.05	y	26:10	1.27	160		-	-	*			
PCB-25	2.36e+06	1.04	y	26:19	1.23	84.7		-	-	*			
PCB-31	1.67e+07	1.16	y	26:39	1.19	616		-	-	*			
PCB-28	1.95e+07	0.95	y	26:46	1.57	546		-	-	*			
PCB-20	1.04e+07	1.06	y	27:21	1.26	363		-	-	*		Co-elute PCB 21/33	
PCB-21	1.04e+07	1.06	y	27:21	1.26	363		-	-	*		Co-elute PCB 20/33	
PCB-33	1.04e+07	1.06	y	27:21	1.26	363		-	-	*		Co-elute PCB 20/21	
PCB-22	6.61e+06	1.04	y	27:45	1.36	214		-	-	*			
PCB-36	*	*	n	NotFnd	1.29	*		1290	1270	0.887			
PCB-39	*	*	n	NotFnd	1.31	*		1290	1270	0.876			
PCB-38	2.73e+05	1.10	y	29:31	1.25	9.64		-	-	*			
PCB-35	1.84e+05	1.19	y	30:00	1.20	6.73		-	-	*			
PCB-37	3.09e+06	1.04	y	30:26	1.28	107		-	-	*			
13C-PCB-37	5.06e+07	1.07	y	30:24	1.69	2220					99.4	6.48e+06	6.01e+06

PCB-54	6.69e+04	0.75	y	25:41	1.27	3.70	J	-	-	*			
PCB-50	8.51e+04	0.79	y	26:48	0.97	6.14		-	-	*			
PCB-53	2.16e+06	0.80	y	27:25	0.94	161		-	-	*			
PCB-51	6.95e+05	0.76	y	27:44	0.94	51.9		-	-	*			
PCB-45	1.51e+06	0.79	y	28:08	0.81	131		-	-	*			
PCB-46	6.52e+05	0.80	y	28:36	0.77	59.6		-	-	*			
PCB-52	2.67e+07	0.78	y	29:02	1.04	1800		-	-	*	Co-elute PCB 69		
PCB-69	2.67e+07	0.78	y	29:02	1.04	1800		-	-	*	Co-elute PCB 52		
PCB-73	3.62e+05	0.79	y	29:09	1.12	22.8		-	-	*			
PCB-43	1.64e+07	0.79	y	29:20	0.89	1290		-	-	*	Co-elute PCB 49		
PCB-49	1.64e+07	0.79	y	29:20	0.89	1290		-	-	*	Co-elute PCB 43		
PCB-47	5.38e+06	0.82	y	29:31	0.94	401		-	-	*			
PCB-48	4.51e+06	0.71	y	29:38	1.16	274		-	-	*	Co-elute PCB 75		
PCB-75	4.51e+06	0.71	y	29:38	1.16	274		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*		830	1160	1.10			
PCB-62	*	*	n	NotFnd	1.12	*		830	1160	1.17			
PCB-44	1.41e+07	0.78	y	30:16	0.75	1320		-	-	*			
PCB-42	5.74e+06	0.78	y	30:29	1.04	388		-	-	*	Co-elute PCB 59		
PCB-59	5.74e+06	0.78	y	30:29	1.04	388		-	-	*	Co-elute PCB 42		
PCB-72	1.32e+07	0.80	y	31:02	1.15	810		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.32e+07	0.80	y	31:02	1.15	810		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.32e+07	0.80	y	31:02	1.15	810		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.32e+07	0.80	y	31:02	1.15	810		-	-	*	Co-elute PCB 72/41/71		
PCB-68	2.04e+05	0.87	y	31:18	1.33	10.8		-	-	*			
PCB-40	2.27e+06	0.80	y	31:29	0.72	221		-	-	*			
PCB-57	1.60e+05	0.80	y	31:49	1.26	8.91		-	-	*			
PCB-67	5.84e+05	0.72	y	32:08	1.24	33.1		-	-	*			
PCB-58	7.92e+04	0.70	y	32:14	1.26	4.41	J	-	-	*			
PCB-63	8.70e+05	0.78	y	32:22	1.25	49.0		-	-	*			
PCB-74	9.01e+06	0.80	y	32:40	1.25	508		-	-	*			
PCB-61	1.88e+07	0.79	y	32:51	1.14	1150		-	-	*	Co-elute PCB 70		
PCB-70	1.88e+07	0.79	y	32:51	1.14	1150		-	-	*	Co-elute PCB 61		
PCB-76	1.56e+07	0.80	y	33:02	1.33	826		-	-	*	Co-elute PCB 66		
PCB-66	1.56e+07	0.80	y	33:02	1.33	826		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*		830	1160	0.859			
PCB-55	3.08e+05	0.76	y	33:33	1.30	16.7		-	-	*			
13C-PCB-54	3.17e+07	0.82	y	25:40	1.29	1820					81.5	3.81e+06	4.67e+06
PCB-104	*	*	n	NotFnd	1.16	*		468	640	0.951			
PCB-96	1.48e+05	1.39	y	31:20	1.08	14.2		-	-	*			
PCB-103	3.14e+05	1.54	y	31:50	0.91	35.7		-	-	*			
PCB-100	1.19e+05	1.42	y	32:11	0.95	13.0		-	-	*			
PCB-94	1.01e+05	1.55	y	32:37	0.78	13.5		-	-	*			
PCB-98	*	*	n	NotFnd	0.80	*		468	640	1.38	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*		468	640	1.38	Co-elute PCB 98		
PCB-95	1.41e+07	1.58	y	33:08	0.89	1640		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		468	640	1.29			
PCB-88	1.93e+06	1.54	y	33:30	0.91	220		-	-	*	Co-elute PCB 91		
PCB-91	1.93e+06	1.54	y	33:30	0.91	220		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*		468	640	1.01			
13C-PCB-104	2.15e+07	1.60	y	30:07	1.07	1490					66.9	3.43e+06	2.15e+06
13C-PCB-28	5.69e+07	1.06	y	26:44	2.08	2030					90.9	7.84e+06	7.35e+06
13C-PCB-52	3.01e+07	0.80	y	29:01	-	21.6							

PCB-56	1.24e+07	0.81	y	34:02	1.20	546		-	-	*		Co-elute PCB 60	
PCB-60	1.24e+07	0.81	y	34:02	1.20	546		-	-	*		Co-elute PCB 56	
PCB-79	3.59e+05	0.76	y	35:02	1.23	15.3		-	-	*			
PCB-78	*	*	n	NotFnd	1.25	*		1060	1230	1.07			
PCB-81	6.01e+05	0.75	y	36:14	1.31	24.9		-	-	*			
13C-PCB-81	4.12e+07	0.80	y	36:11	1.53	2450					110	4.08e+06	5.18e+06
PCB-77	1.29e+06	0.71	y	36:46	1.13	58.6		-	-	*			
13C-PCB-77	4.37e+07	0.81	y	36:45	1.64	2440					110	4.46e+06	5.55e+06
PCB-155	*	*	n	NotFnd	1.12	*		784	748	1.35			
PCB-150	5.22e+04	1.32	y	35:30	1.04	5.03		-	-	*			
PCB-152	2.65e+04	1.13	y	35:57	1.03	2.58	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.07	*		784	748	1.41			
PCB-136	2.70e+06	1.27	y	36:41	1.01	269		-	-	*			
PCB-148	*	*	n	NotFnd	0.83	*		784	748	1.84			
PCB-154	3.49e+05	1.26	y	37:14	0.90	38.9		-	-	*			
13C-PCB-155	2.22e+07	1.32	y	34:17	1.21	1680					75.4	3.20e+06	2.42e+06
13C-PCB-111	2.90e+07	1.63	y	36:21	1.31	2020					90.5	4.30e+06	2.67e+06
13C-PCB-101	2.44e+07	1.67	y	34:42	-	17.3							
PCB-84	8.97e+06	1.54	y	34:22	0.73	710		-	-	*		Co-elute PCB 92	
PCB-92	8.97e+06	1.54	y	34:22	0.73	710		-	-	*		Co-elute PCB 84	
PCB-89	2.36e+05	1.56	y	34:33	0.73	18.8		-	-	*			
PCB-90	2.51e+07	1.59	y	34:43	0.82	1760		-	-	*		Co-elute PCB 101	
PCB-101	2.51e+07	1.59	y	34:43	0.82	1760		-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.90	*		987	1030	1.43			
PCB-99	1.05e+07	1.59	y	35:02	0.92	662		-	-	*			
PCB-119	8.13e+05	1.51	y	35:29	1.00	47.1		-	-	*			
PCB-83	1.30e+06	1.54	y	35:39	0.83	91.0		-	-	*		Co-elute PCB 112	
PCB-112	1.30e+06	1.54	y	35:39	0.83	91.0		-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*		987	1030	1.31			
PCB-97	6.70e+06	1.55	y	35:58	0.71	550		-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*		987	1030	1.84			
PCB-125	9.47e+06	1.58	y	36:14	0.93	591		-	-	*		Co-elute PCB 87/117	
PCB-87	9.47e+06	1.58	y	36:14	0.93	591		-	-	*		Co-elute PCB 125/117	
PCB-117	9.47e+06	1.58	y	36:14	0.93	591		-	-	*		Co-elute PCB 125/87	
PCB-111	5.30e+05	1.58	y	36:23	1.08	28.5		-	-	*		Co-elute PCB 115	
PCB-115	5.30e+05	1.58	y	36:23	1.08	28.5		-	-	*		Co-elute PCB 111	
PCB-85	3.54e+06	1.54	y	36:30	0.88	233		-	-	*		Co-elute PCB 116	
PCB-116	3.54e+06	1.54	y	36:30	0.88	233		-	-	*		Co-elute PCB 85	
PCB-120	1.04e+05	1.42	y	36:42	1.09	5.54		-	-	*			
PCB-110	2.62e+07	1.60	y	36:51	1.05	1450		-	-	*			
PCB-82	2.05e+06	1.57	y	37:28	0.63	190		-	-	*			
PCB-124	1.08e+06	1.50	y	38:06	1.09	57.5		-	-	*			
PCB-108	1.87e+06	1.53	y	38:16	1.24	87.0		-	-	*		Co-elute PCB 107	
PCB-107	1.87e+06	1.53	y	38:16	1.24	87.0		-	-	*		Co-elute PCB 108	
PCB-123	4.07e+05	1.48	y	38:24	1.07	22.1		-	-	*			
13C-PCB-123	3.86e+07	1.58	y	38:24	1.29	2240					101	5.31e+06	3.30e+06
PCB-118	2.24e+07	1.57	y	38:36	1.13	1130		-	-	*		Co-elute PCB 106	
PCB-106	2.24e+07	1.57	y	38:36	1.13	1130		-	-	*		Co-elute PCB 118	
13C-PCB-118	3.88e+07	1.60	y	38:34	1.41	2070					92.6	5.51e+06	3.45e+06
PCB-114	5.80e+05	1.53	y	39:12	1.20	27.9		-	-	*			
13C-PCB-114	3.87e+07	1.63	y	39:12	1.34	2180					97.5	5.36e+06	3.27e+06
PCB-122	3.10e+05	1.61	y	39:20	1.15	15.7		-	-	*			
PCB-105	8.01e+06	1.55	y	40:01	1.23	382		-	-	*			
13C-PCB-105	3.80e+07	1.62	y	39:59	1.33	2150					96.4	5.44e+06	3.37e+06

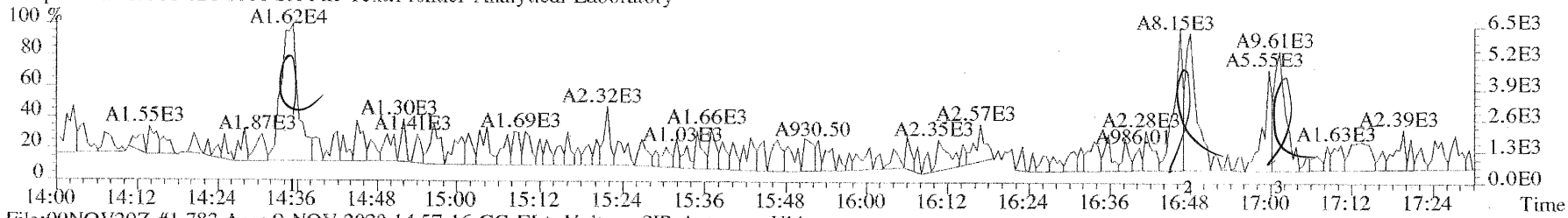
PCB-127	*	*	n	NotFnd	1.12	*	1250	910	1.23			
PCB-126	9.57e+04	1.43	y	42:08	1.20	4.75	-	-	*			
13C-PCB-126	3.76e+07	1.62	y	42:06	1.20	2350				105	5.21e+06	3.21e+06
PCB-151	4.73e+06	1.32	y	37:51	1.02	353	-	-	*			
PCB-135	2.75e+06	1.29	y	38:04	1.08	195	-	-	*			
PCB-144	1.11e+06	1.28	y	38:11	1.08	78.7	-	-	*			
PCB-147	3.83e+05	1.28	y	38:17	1.13	25.9	-	-	*			
PCB-139	1.56e+07	1.28	y	38:32	1.15	1030	-	-	*	Co-elute PCB 149		
PCB-149	1.56e+07	1.28	y	38:32	1.15	1030	-	-	*	Co-elute PCB 139		
PCB-140	1.95e+05	1.31	y	38:42	1.15	12.9	-	-	*			
PCB-143	1.21e+06	1.22	y	39:08	0.93	99.9	-	-	*	Co-elute PCB 134		
PCB-134	1.21e+06	1.22	y	39:08	0.93	99.9	-	-	*	Co-elute PCB 143		
PCB-131	6.39e+05	1.34	y	39:23	0.97	50.6	-	-	*	Co-elute PCB 133		
PCB-133	6.39e+05	1.34	y	39:23	0.97	50.6	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.96	*	1070	930	1.67			
PCB-165	3.32e+06	1.30	y	39:46	1.25	203	-	-	*	Co-elute PCB 146		
PCB-146	3.32e+06	1.30	y	39:46	1.25	203	-	-	*	Co-elute PCB 165		
PCB-161	4.98e+06	1.27	y	40:03	1.22	312	-	-	*	Co-elute PCB 132		
PCB-132	4.98e+06	1.27	y	40:03	1.22	312	-	-	*	Co-elute PCB 161		
PCB-153	1.87e+07	1.30	y	40:09	1.21	1180	-	-	*			
PCB-168	*	*	n	NotFnd	1.39	*	1070	930	1.15			
PCB-141	3.22e+06	1.28	y	40:50	1.04	237	-	-	*			
PCB-137	6.86e+05	1.26	y	41:14	1.13	46.5	-	-	*			
PCB-130	1.15e+06	1.28	y	41:18	0.88	100	-	-	*			
PCB-138	1.99e+07	1.28	y	41:40	1.26	1200	-	-	*	Co-elute PCB 163/164		
PCB-163	1.99e+07	1.28	y	41:40	1.26	1200	-	-	*	Co-elute PCB 138/164		
PCB-164	1.99e+07	1.28	y	41:40	1.26	1200	-	-	*	Co-elute PCB 138/163		
PCB-158	2.19e+06	1.28	y	41:53	1.38	121	-	-	*	Co-elute PCB 160		
PCB-160	2.19e+06	1.28	y	41:53	1.38	121	-	-	*	Co-elute PCB 158		
PCB-129	6.97e+05	1.21	y	42:08	0.91	58.3	-	-	*			
PCB-166	8.07e+04	1.14	y	42:34	1.33	4.64	-	-	*			
PCB-159	1.44e+05	1.07	y	42:56	1.38	7.98	-	-	*			
PCB-128	2.59e+06	1.26	y	43:09	1.17	170	-	-	*	Co-elute PCB 162		
PCB-162	2.59e+06	1.26	y	43:09	1.17	170	-	-	*	Co-elute PCB 128		
PCB-167	6.83e+05	1.23	y	43:30	1.21	42.2	-	-	*			
13C-PCB-167	2.99e+07	1.29	y	43:29	1.09	2060				92.4	3.60e+06	2.80e+06
PCB-156	1.57e+06	1.24	y	44:44	1.29	92.1	-	-	*			
13C-PCB-156	2.95e+07	1.25	y	44:43	1.03	2170				97.1	3.93e+06	3.21e+06
PCB-157	3.39e+05	1.22	y	44:59	1.24	20.9	-	-	*			
13C-PCB-157	2.93e+07	1.31	y	44:59	1.09	2020				90.4	3.66e+06	2.74e+06
PCB-169	*	*	n	NotFnd	1.17	*	1070	930	1.14			
13C-PCB-169	2.80e+07	1.29	y	46:49	0.94	2230				100	4.69e+06	3.65e+06

FAL ID: 13380-021-0001-SA Filename: 09NOV20Z Sam:4 Acquired: 9-NOV-20 14:57:16 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR-C-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 4.480

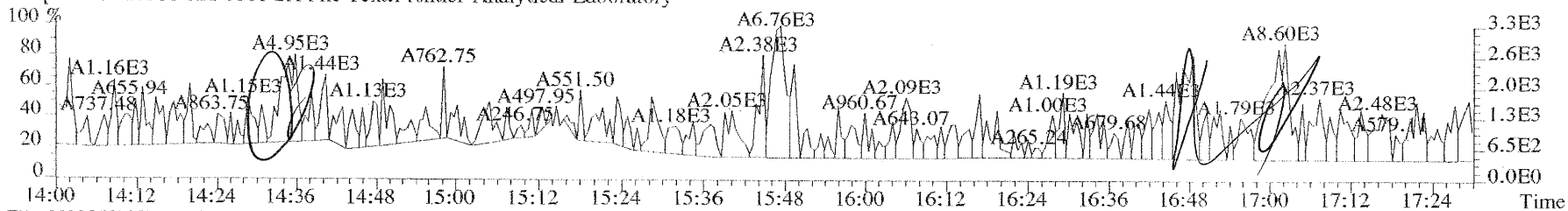
PCB-188	*	*	n	NotFnd	1.10	*		760	676	1.33			
13C-PCB-188	2.50e+07	1.07	y	39:46	1.06	1780					79.6	2.82e+06	2.66e+06
PCB-184	*	*	n	NotFnd	1.31	*		760	676	1.03			
PCB-179	1.65e+06	1.07	y	40:57	1.21	132		-	-	*			
PCB-176	5.10e+05	1.06	y	41:25	1.18	42.2		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		760	676	1.11			
PCB-178	5.46e+05	1.19	y	42:26	0.85	62.7		-	-	*			
PCB-175	1.33e+05	1.16	y	42:46	0.88	14.7		-	-	*			
PCB-187	3.23e+06	1.10	y	42:56	0.92	340		-	-	*		Co-elute PCB 182	
PCB-182	3.23e+06	1.10	y	42:56	0.92	340		-	-	*		Co-elute PCB 187	
PCB-183	1.50e+06	1.10	y	43:14	0.95	154		-	-	*			
PCB-185	2.75e+05	1.16	y	43:52	0.85	31.2		-	-	*			
PCB-174	2.17e+06	1.09	y	44:11	0.82	258		-	-	*			
PCB-181	*	*	n	NotFnd	0.90	*		760	676	1.50			
PCB-177	1.21e+06	1.09	y	44:28	0.79	150		-	-	*			
PCB-171	5.86e+05	1.02	y	44:44	0.82	69.2		-	-	*			
PCB-173	5.49e+04	1.09	y	45:09	0.77	6.91		-	-	*			
PCB-172	3.08e+05	1.16	y	45:32	0.77	38.7		-	-	*			
PCB-192	*	*	n	NotFnd	1.01	*		760	676	1.34			
PCB-180	4.14e+06	1.08	y	45:53	0.83	484		-	-	*			
PCB-193	2.81e+05	1.03	y	46:03	1.07	25.5		-	-	*			
PCB-191	1.22e+05	1.07	y	46:15	1.04	11.3		-	-	*			
PCB-170	1.43e+06	1.09	y	47:09	0.74	189		-	-	*			
PCB-190	4.64e+05	1.16	y	47:19	0.97	46.7		-	-	*			
PCB-189	8.40e+04	1.17	y	48:30	1.08	8.29		-	-	*			
13C-PCB-189	2.09e+07	1.10	y	48:28	0.81	1940					86.9	3.40e+06	3.20e+06
PCB-202	2.14e+05	0.95	y	44:56	1.07	24.8		-	-	*			
PCB-201	1.24e+05	0.88	y	45:22	1.14	13.6		-	-	*			
PCB-204	*	*	n	NotFnd	1.14	*		608	680	1.36			
PCB-197	9.00e+04	0.30	n	45:47	1.15	9.75	M	-	-	*			
PCB-200	1.07e+05	0.93	y	46:31	1.10	12.1		-	-	*			
PCB-198	3.95e+04	0.82	y	47:40	0.77	6.39		-	-	*			
PCB-199	5.51e+05	0.94	y	47:45	0.80	85.6		-	-	*			
PCB-203	6.00e+05	0.89	y	48:00	0.87	85.8		-	-	*		Co-elute PCB 196	
PCB-196	6.00e+05	0.89	y	48:00	0.87	85.8		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.79e+07	0.92	y	44:54	0.80	1690					75.5	2.21e+06	2.43e+06
13C-PCB-178	1.53e+07	1.12	y	42:26	0.75	1540					69.0	1.81e+06	1.58e+06
13C-PCB-138	2.97e+07	1.30	y	41:38	-	19.3							
PCB-195	3.13e+05	0.94	y	49:06	1.00	24.0		-	-	*			
PCB-194	7.85e+05	0.85	y	49:53	1.05	57.1		-	-	*			
PCB-205	6.70e+04	0.86	y	50:08	1.20	4.29	J	-	-	*			
13C-PCB-205	2.91e+07	0.90	y	50:07	1.12	2120					94.8	4.46e+06	5.17e+06
PCB-208	7.59e+04	1.26	y	49:13	1.08	6.53		-	-	*			
13C-PCB-208	2.40e+07	0.83	y	49:13	1.19	1640					73.6	3.76e+06	4.39e+06
PCB-207	3.86e+04	1.18	y	49:31	1.31	3.21	J	-	-	*			
PCB-206	1.65e+05	1.25	y	51:20	1.13	19.5		-	-	*			
13C-PCB-206	1.68e+07	0.81	y	51:19	0.80	1700					76.0	2.60e+06	3.33e+06
PCB-209	6.11e+04	1.30	y	52:31	1.20	6.53		-	-	*			
13C-PCB-209	1.74e+07	1.20	y	52:29	0.88	1620					72.4	2.98e+06	2.56e+06
13C-PCB-194	2.74e+07	0.92	y	49:53	-	20.4							

Analyst: _____ Date: 11/10/20

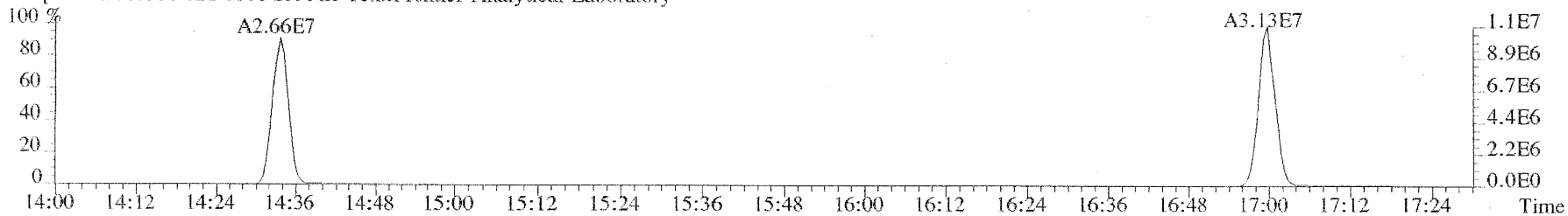
File:09NOV20Z #1-783 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-783 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-783 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



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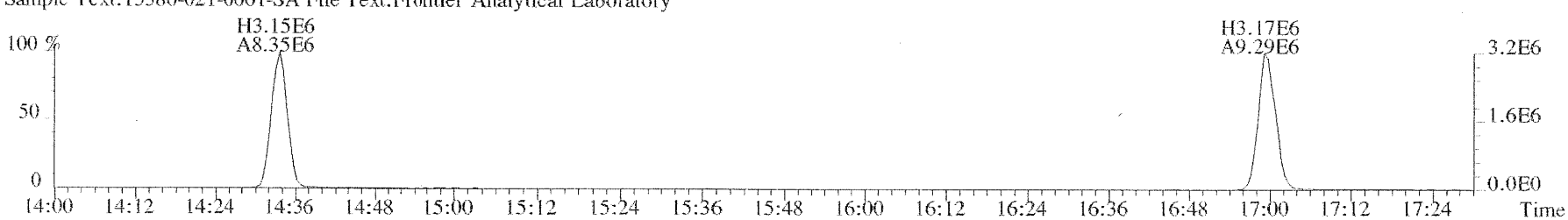
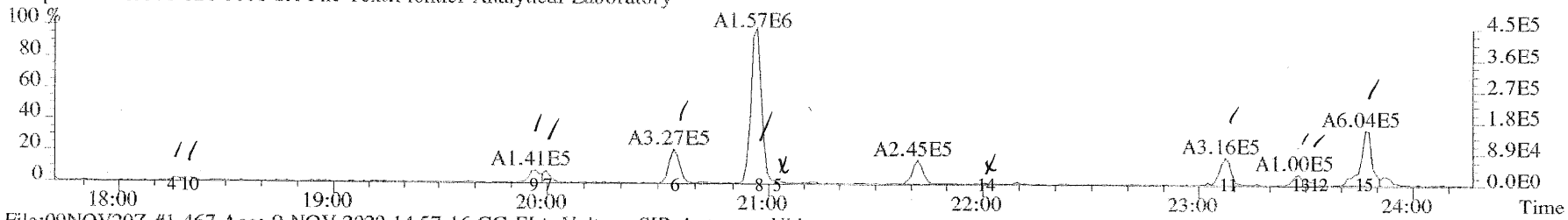
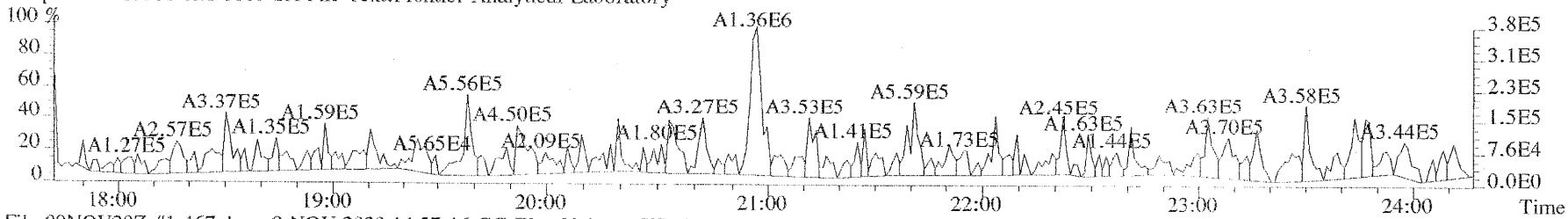
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



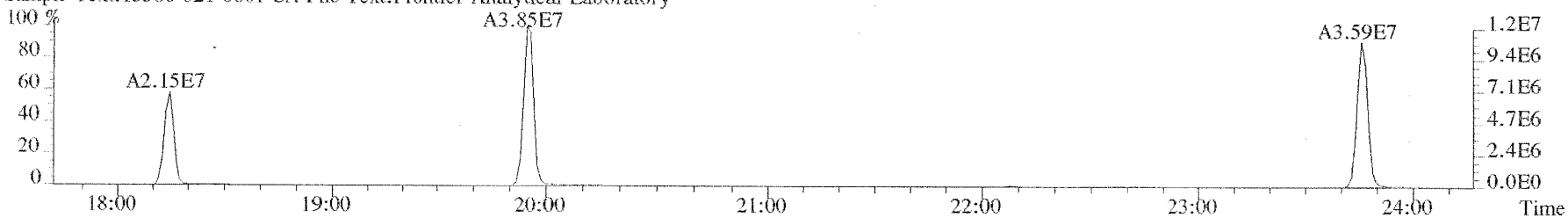
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



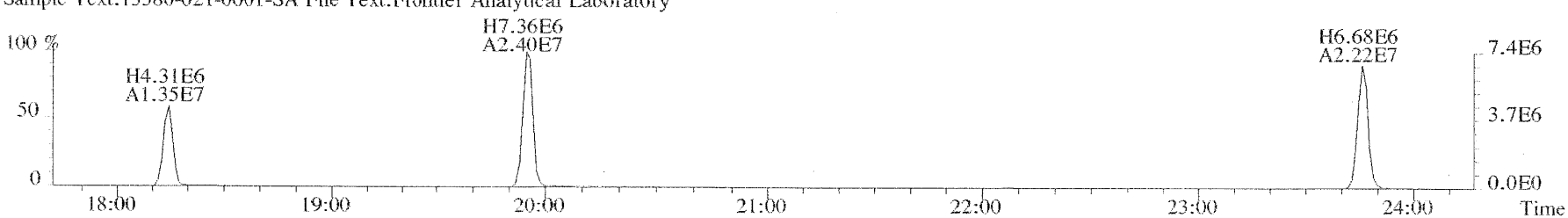
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



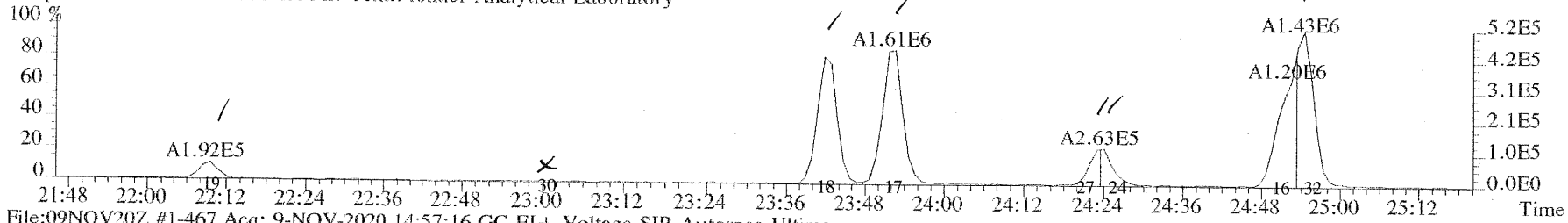
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



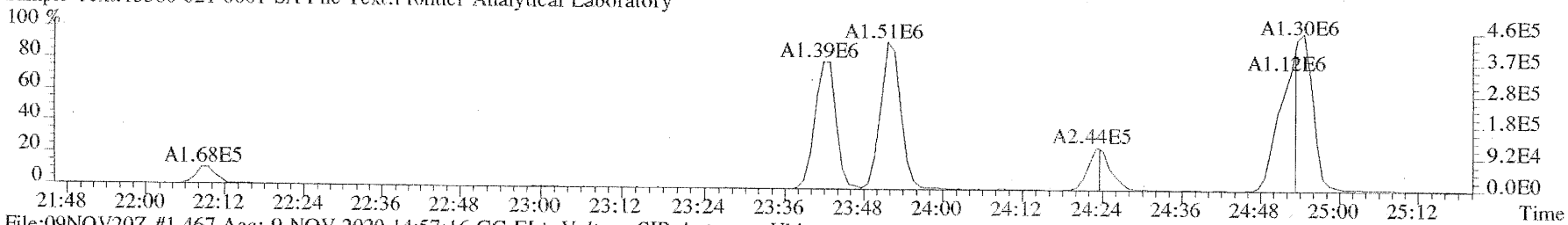
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



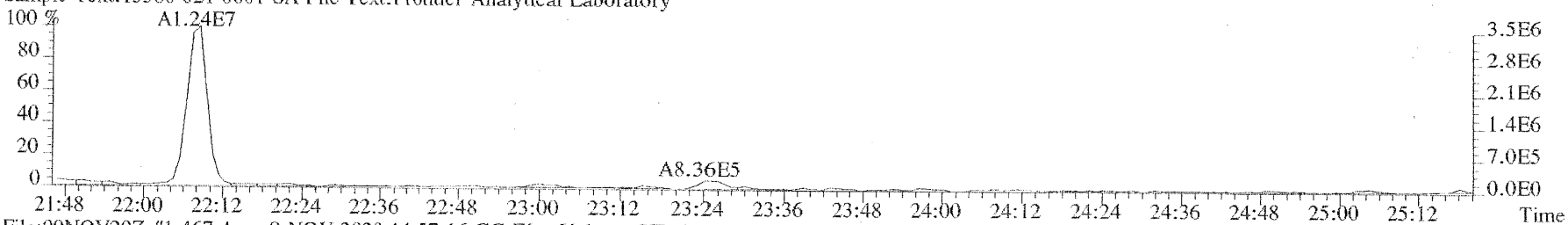
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



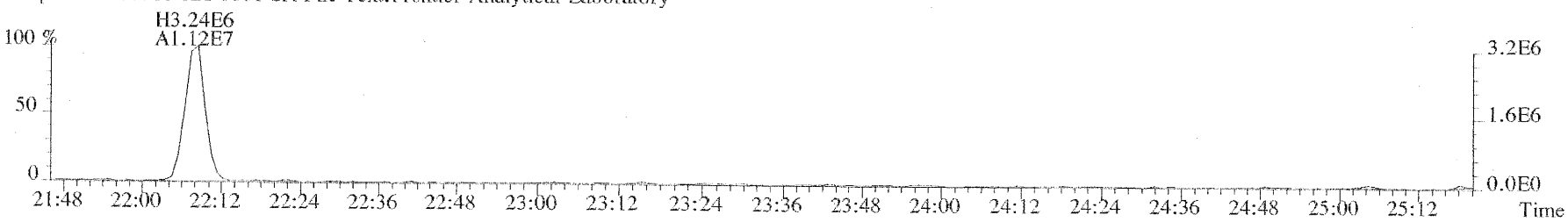
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



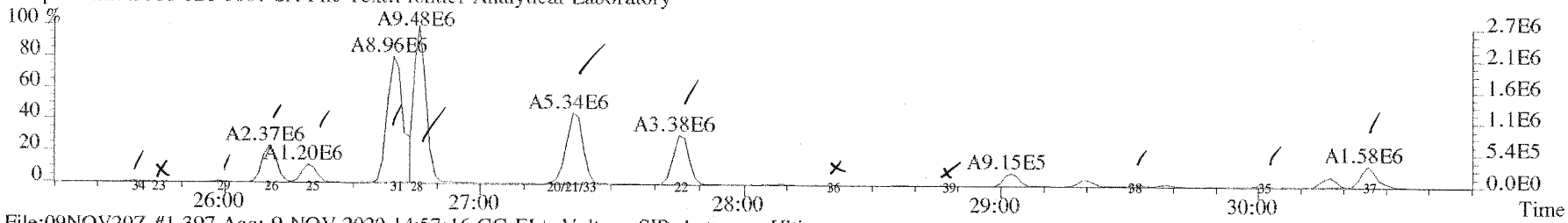
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



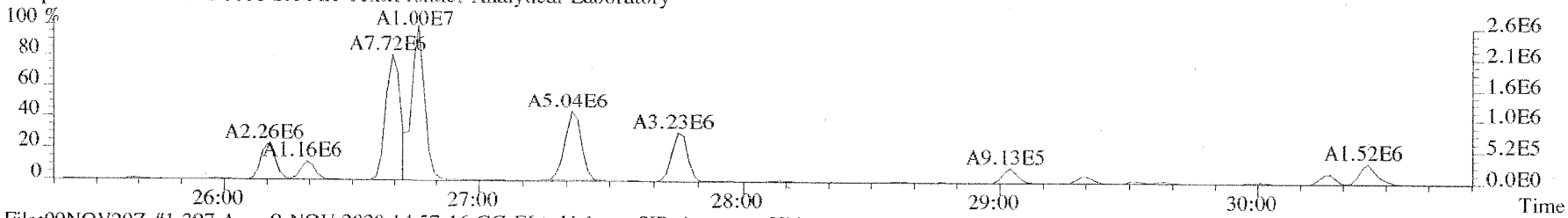
File:09NOV20Z #1-467 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



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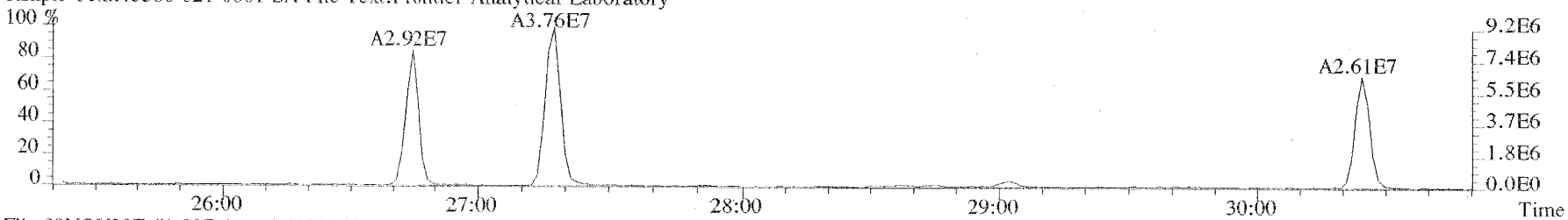
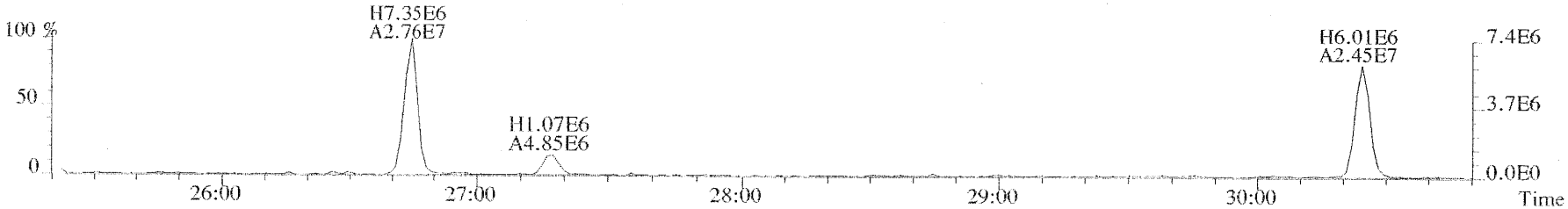
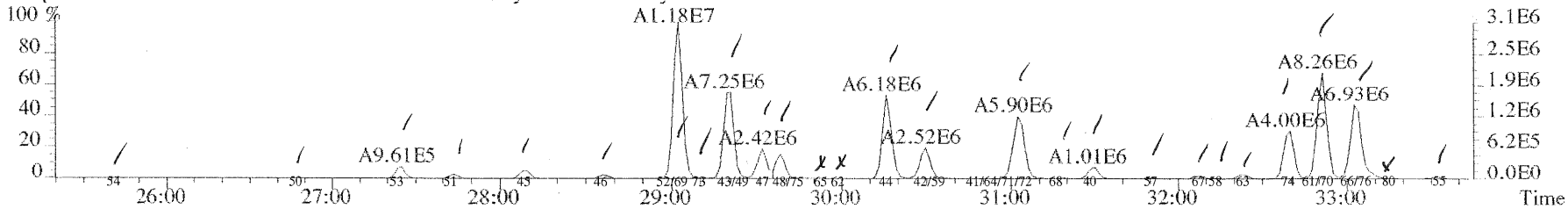
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



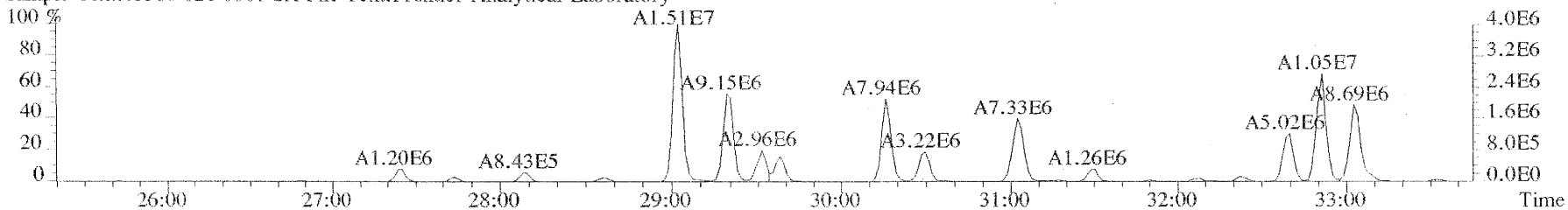
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



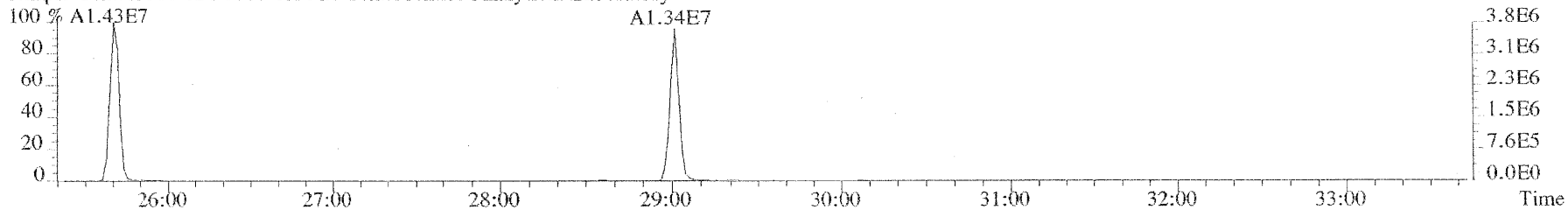
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



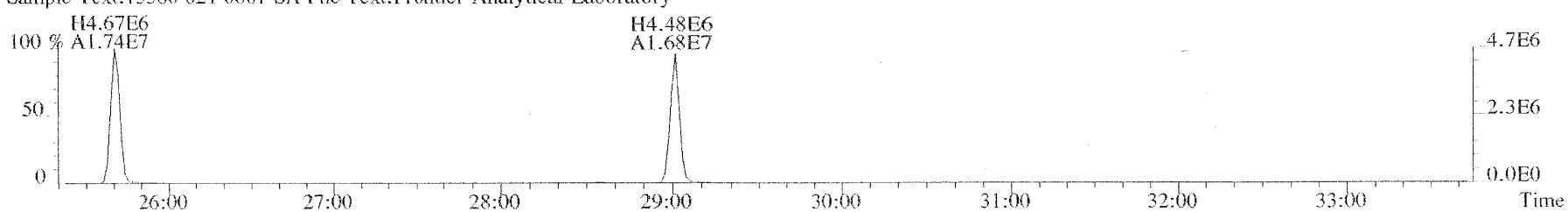
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



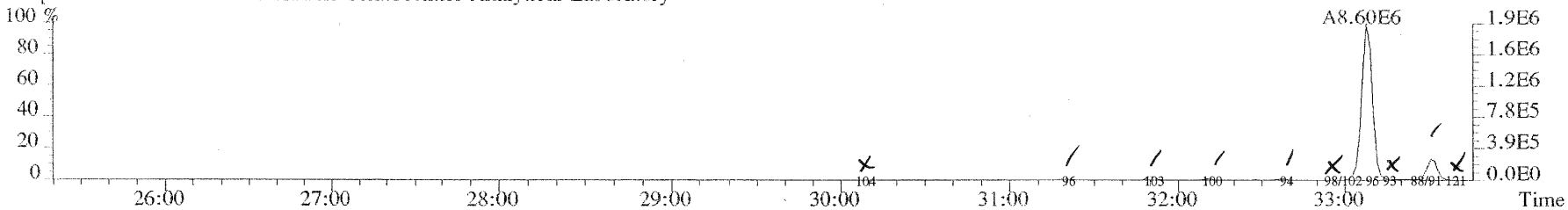
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



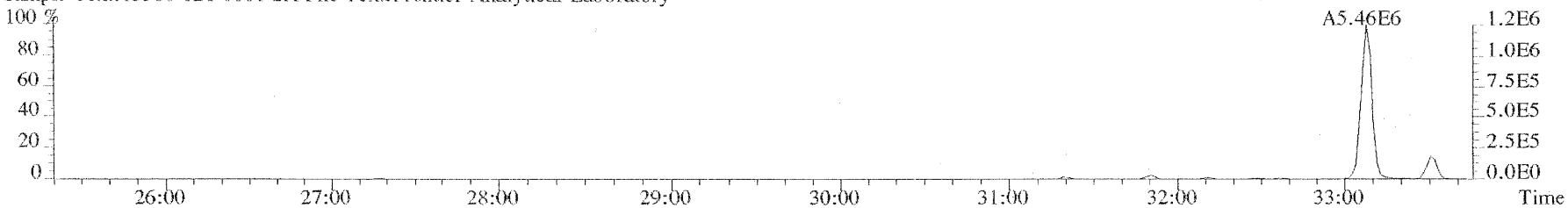
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



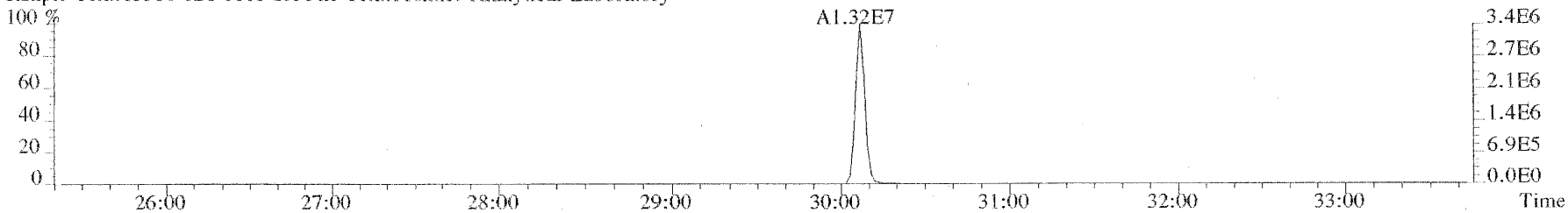
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



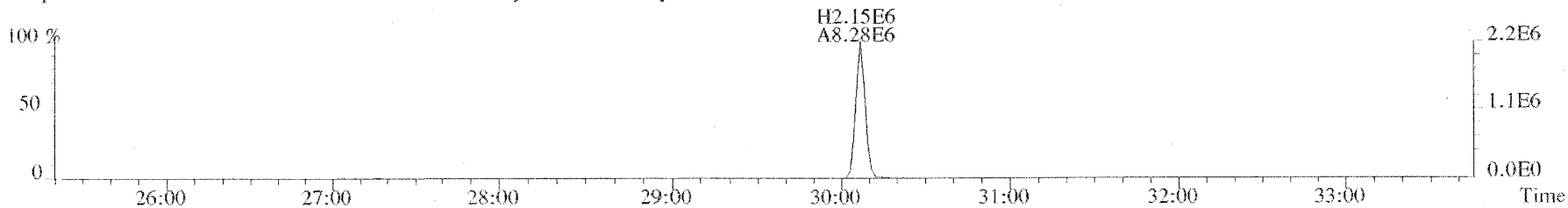
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



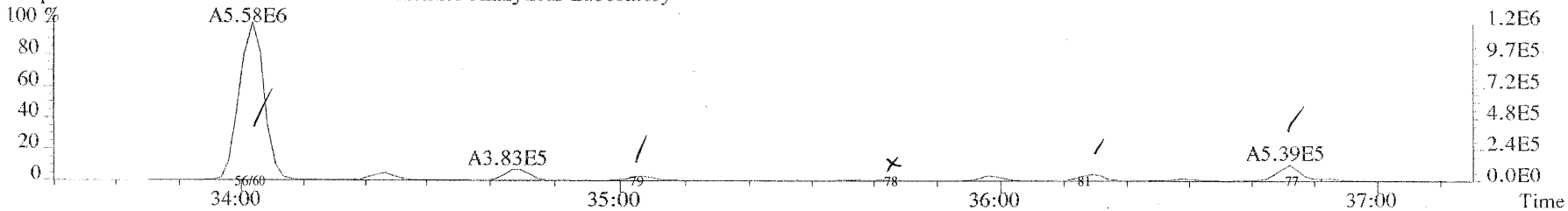
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



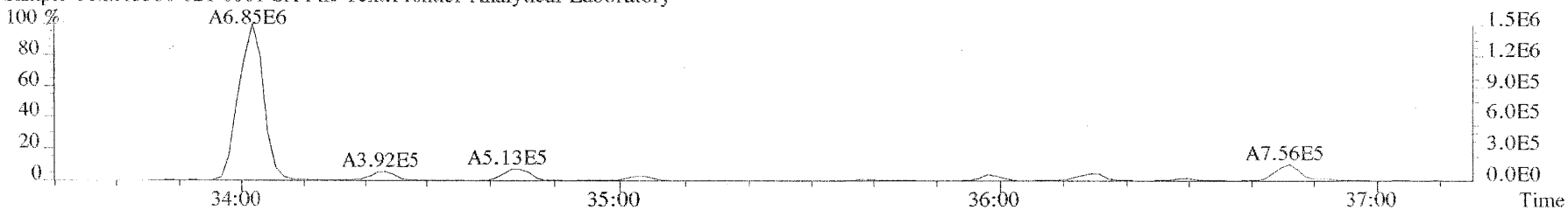
File:09NOV20Z #1-397 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



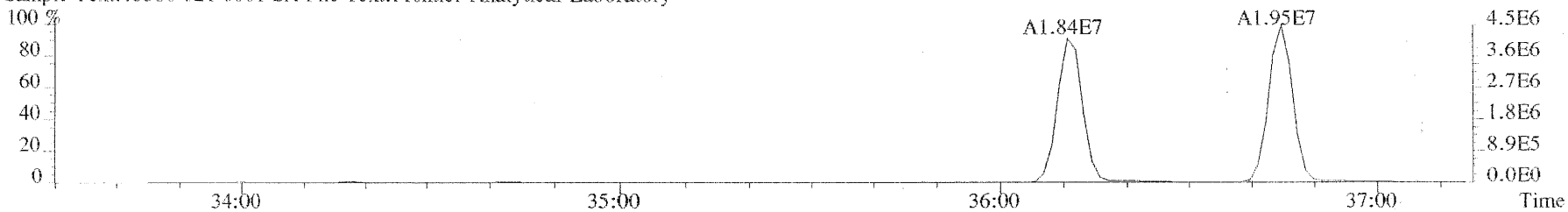
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



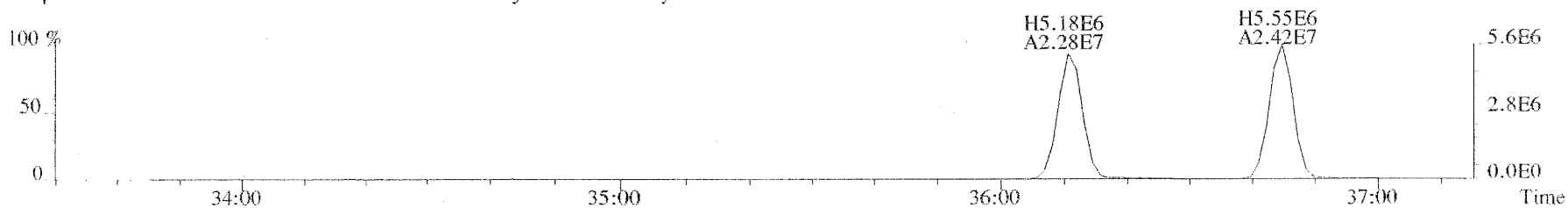
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



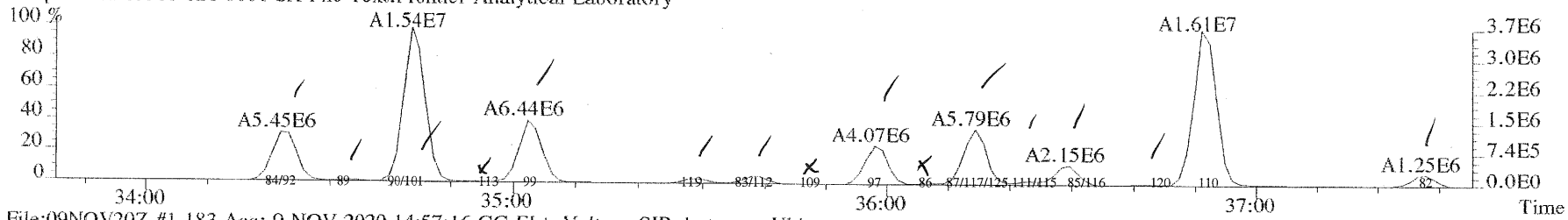
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



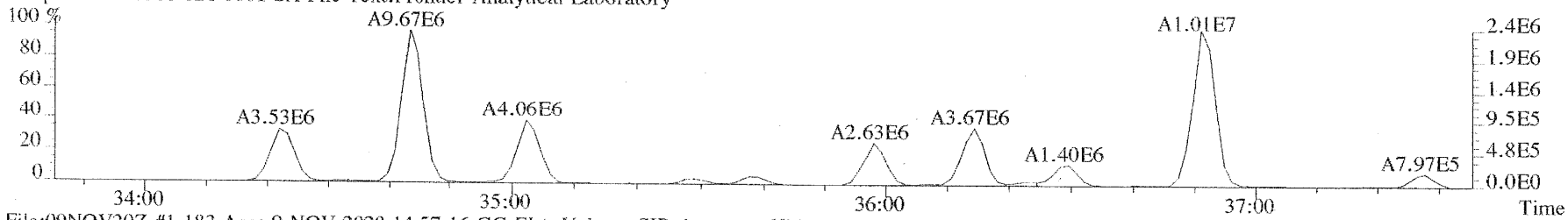
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



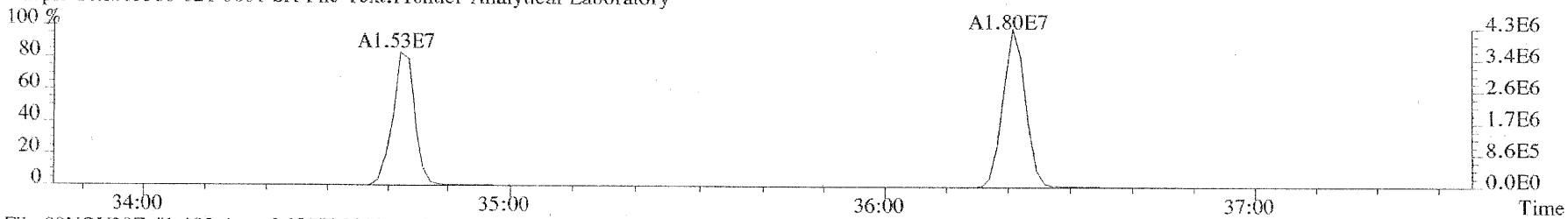
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



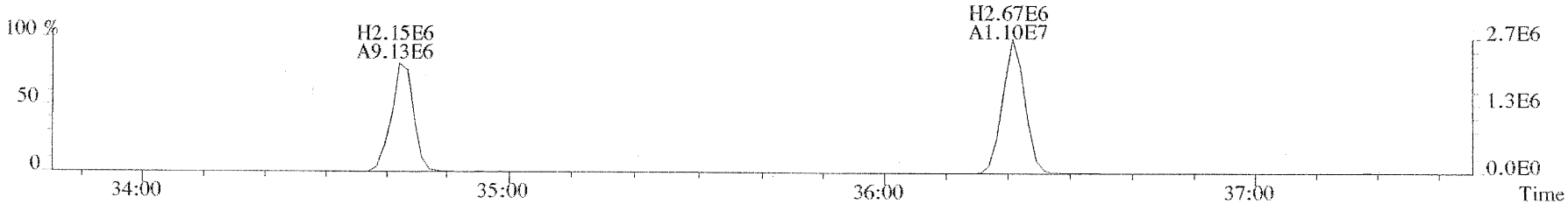
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



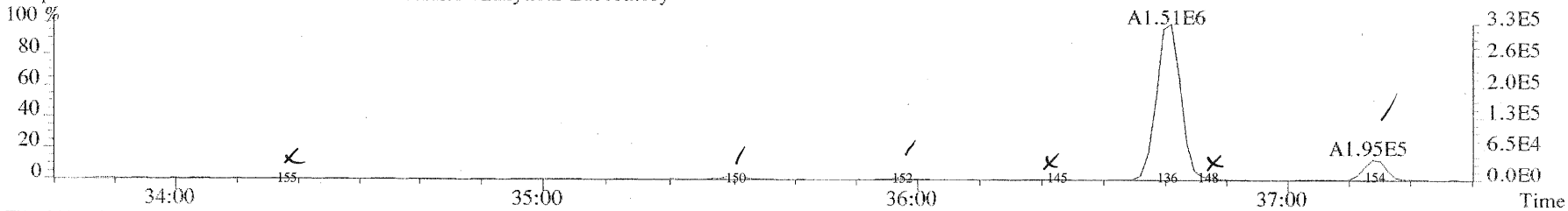
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



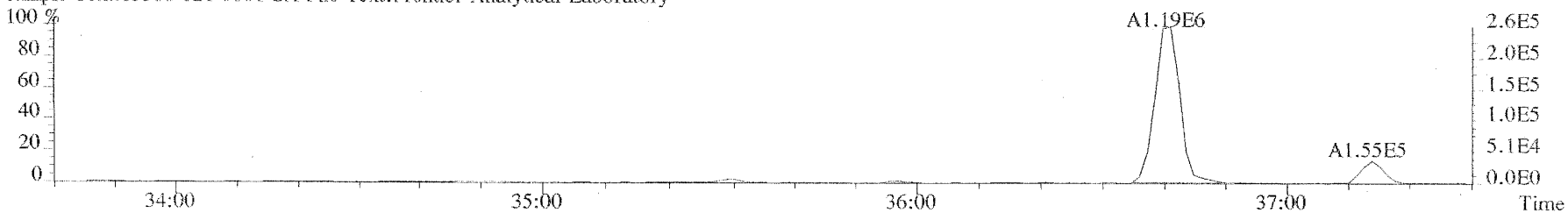
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



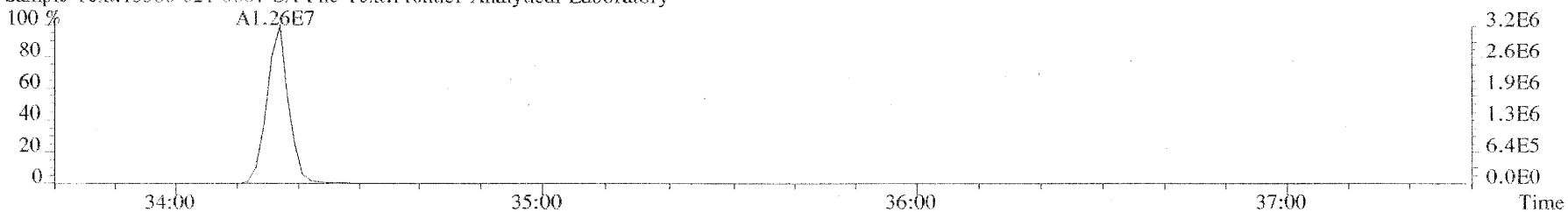
File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



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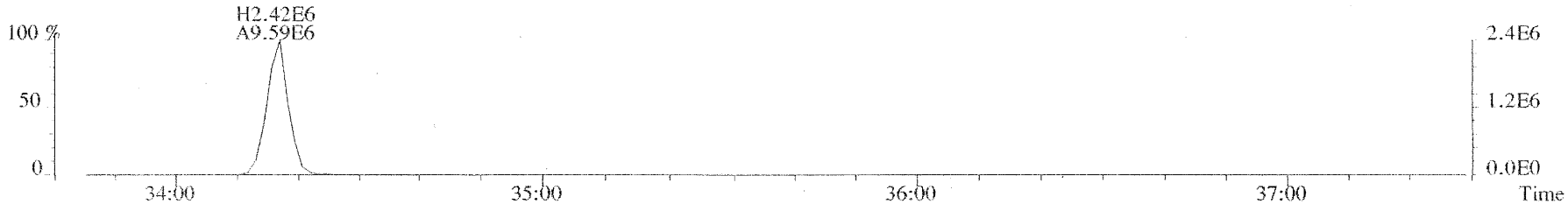
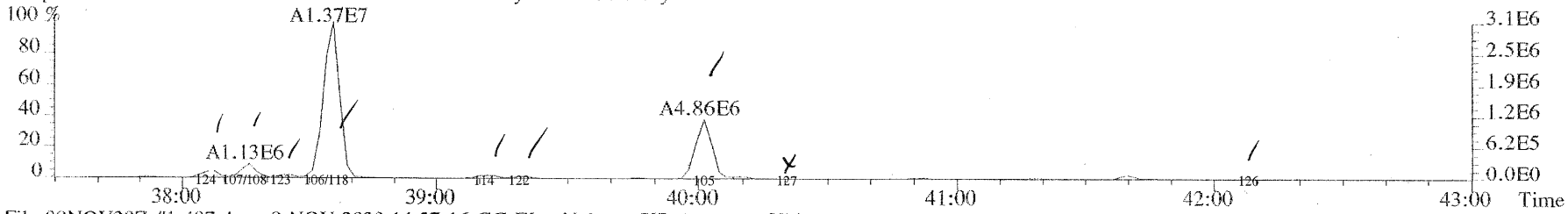
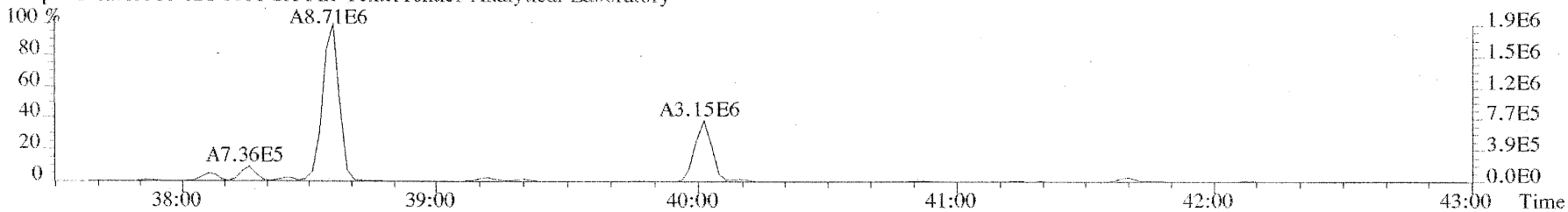
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
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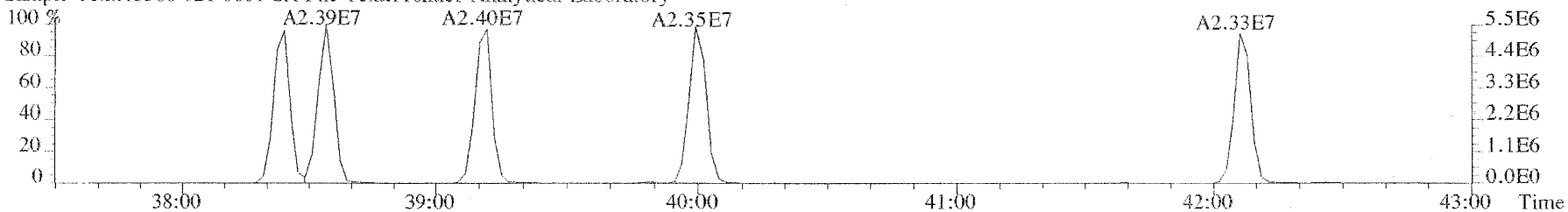
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



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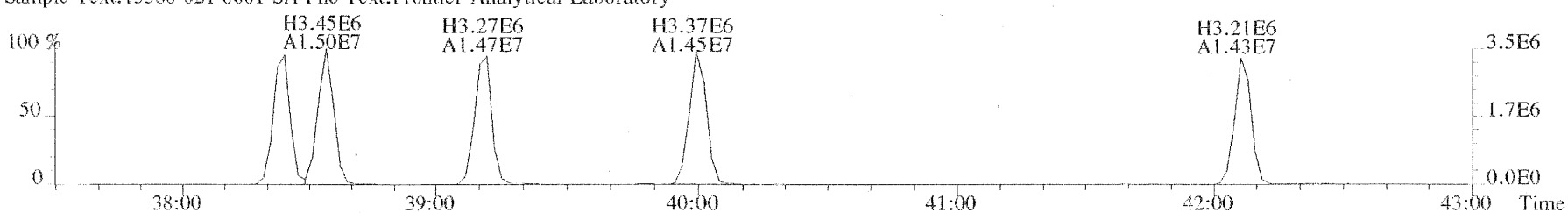
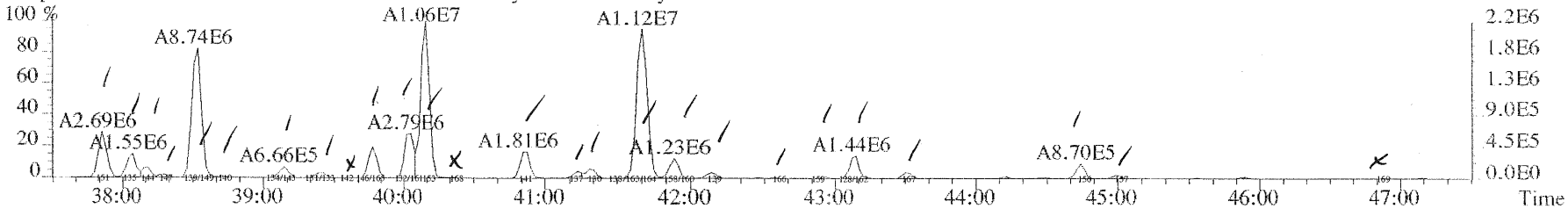
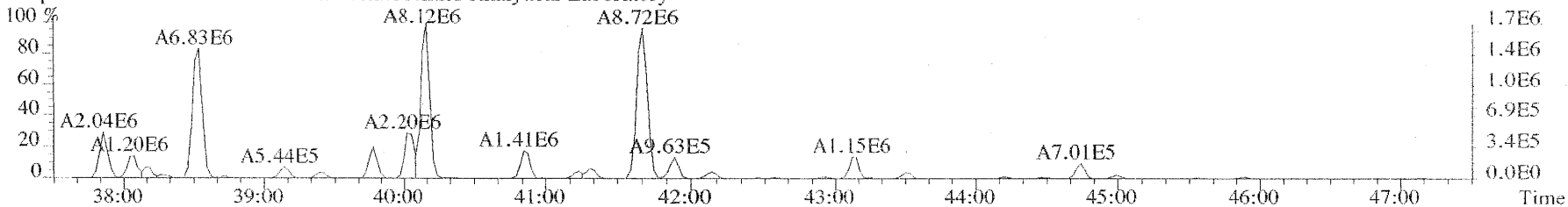
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
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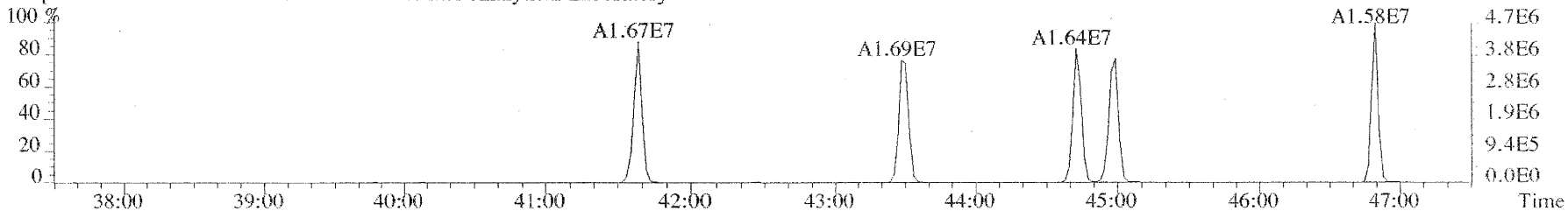
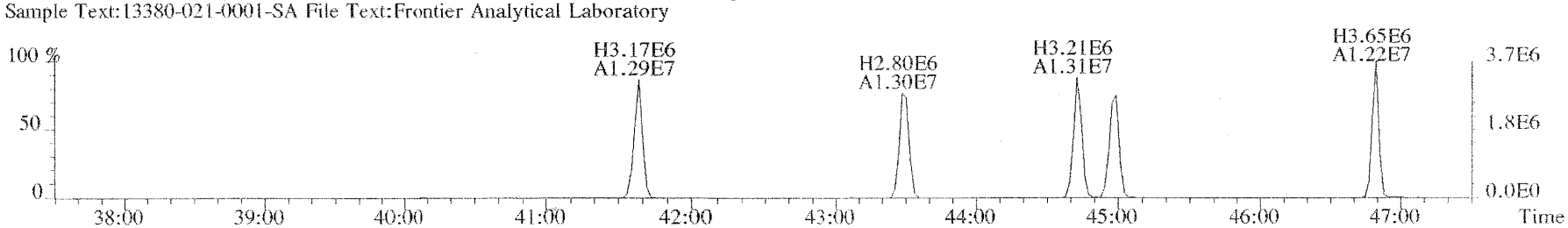
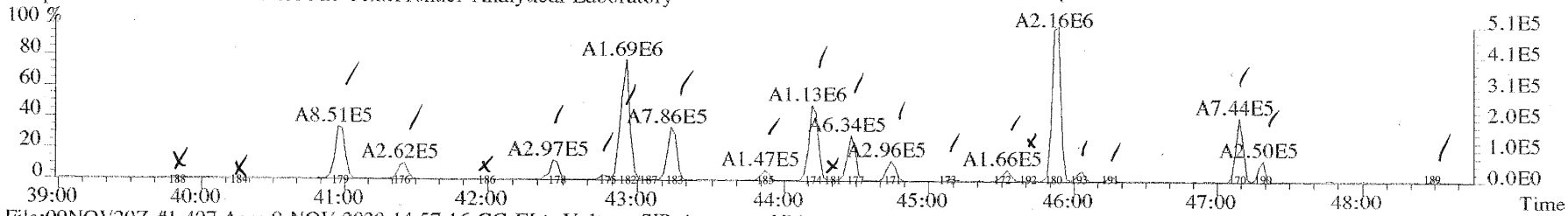
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



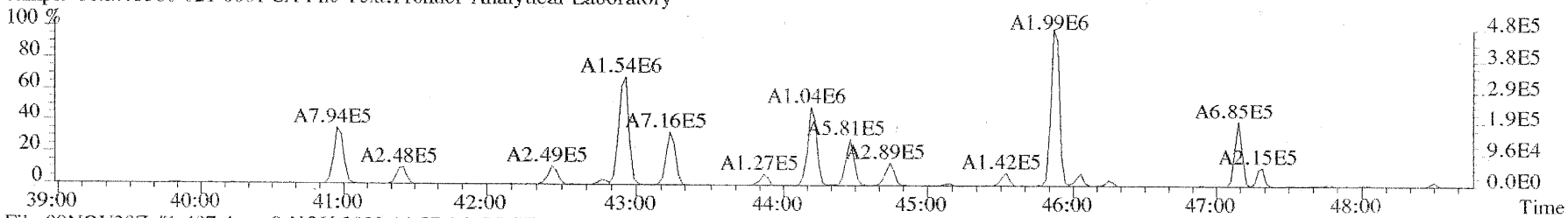
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



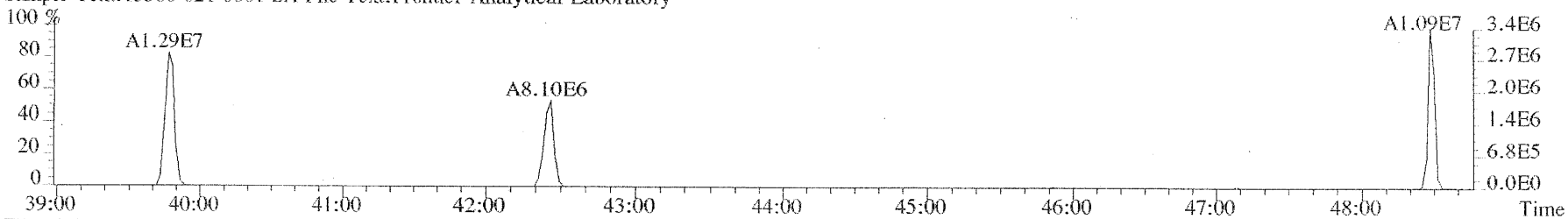
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



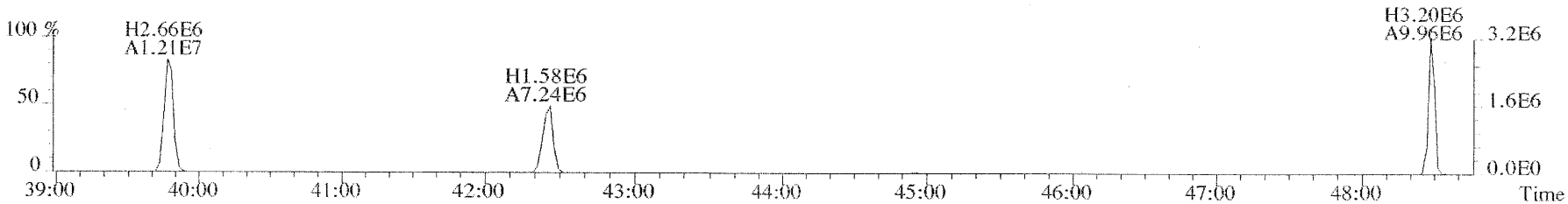
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



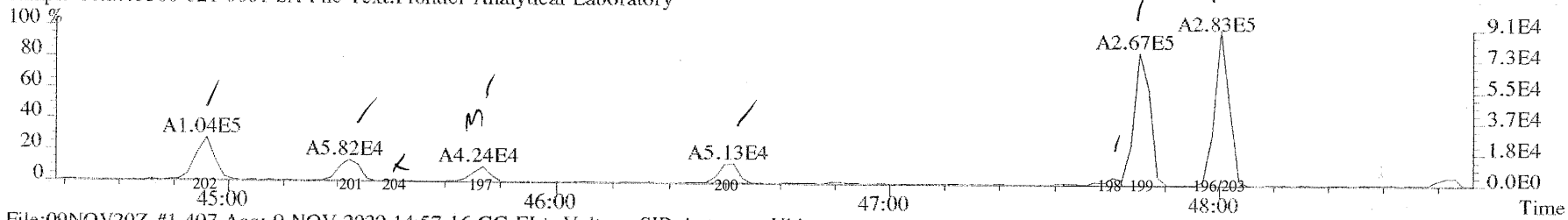
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



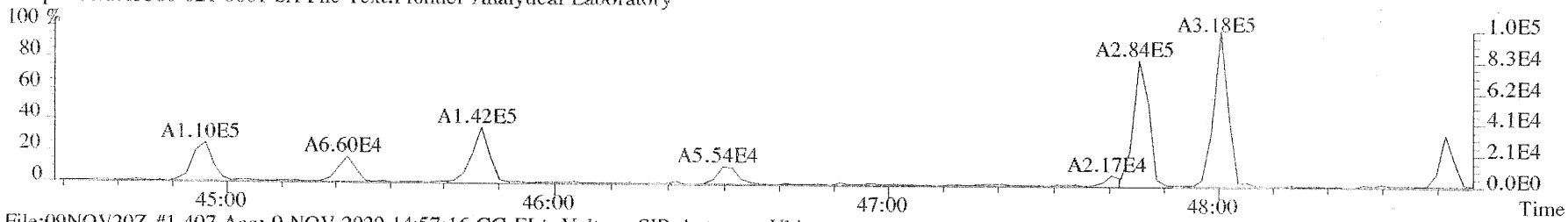
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



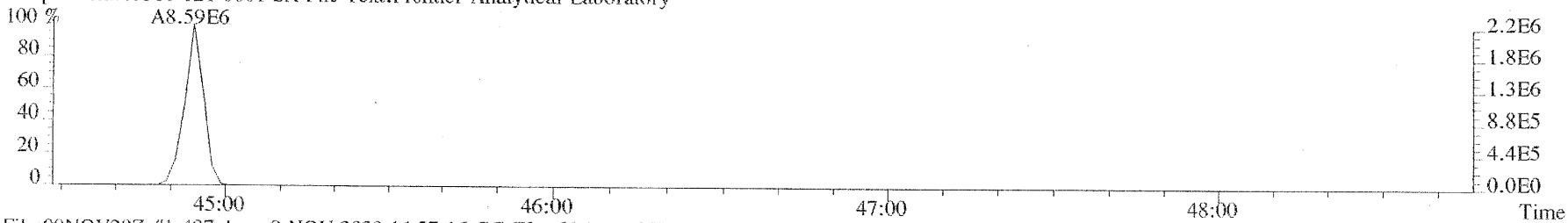
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



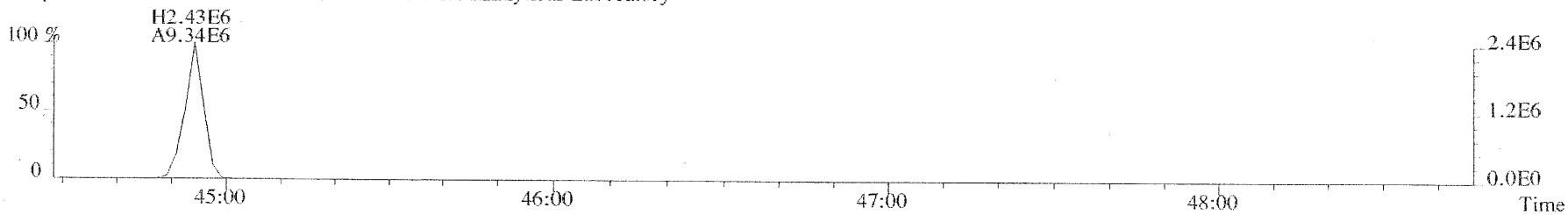
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



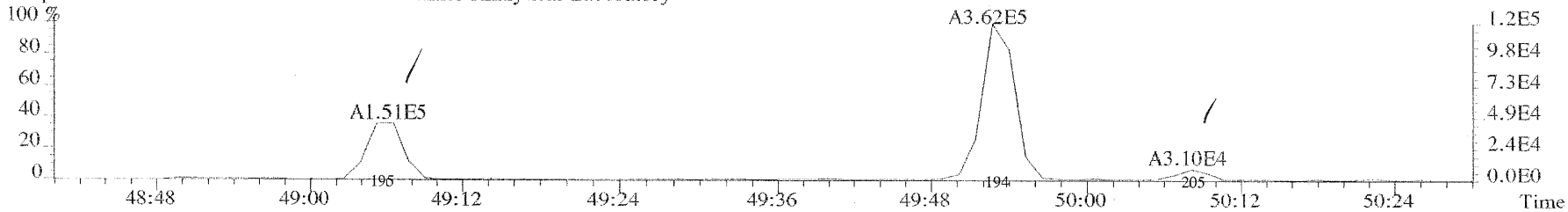
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



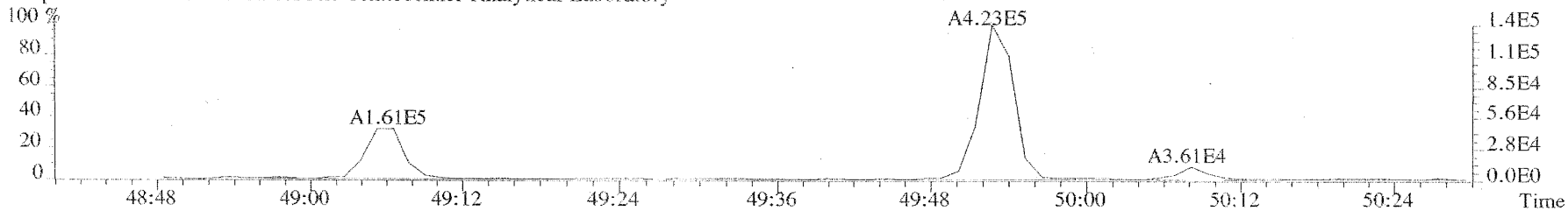
File:09NOV20Z #1-407 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



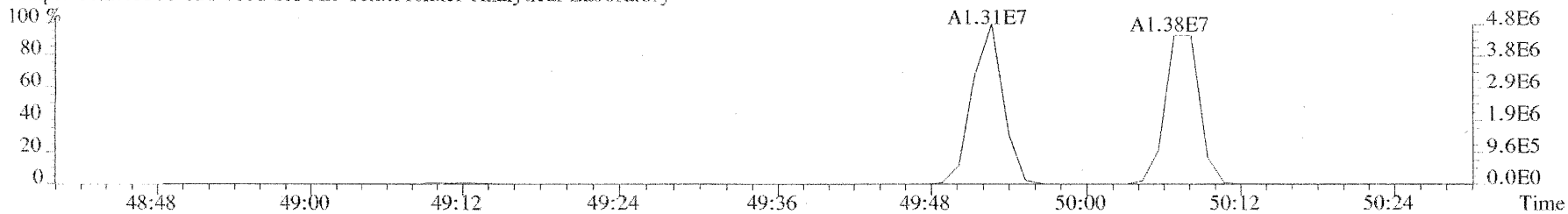
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



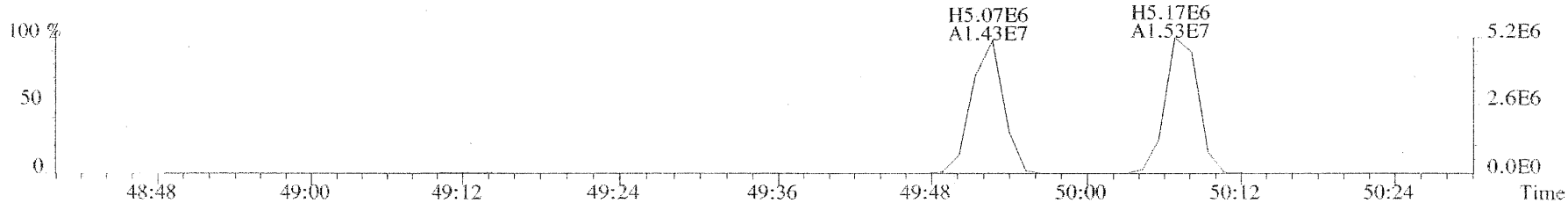
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



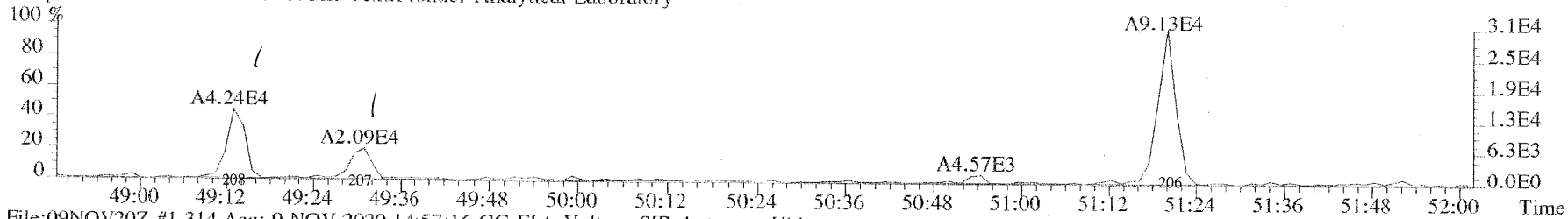
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



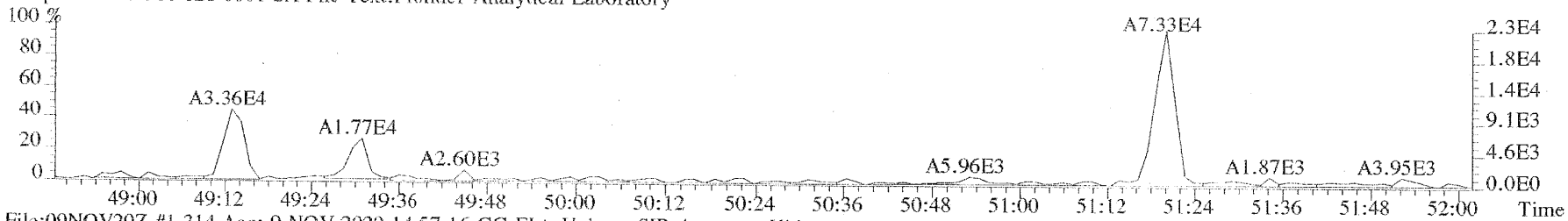
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



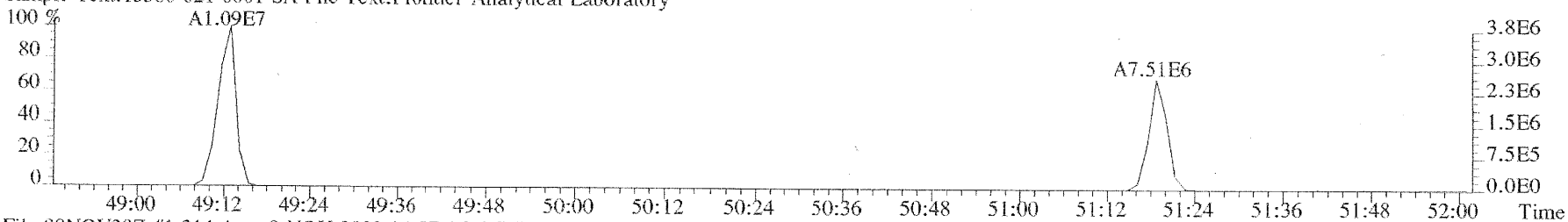
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



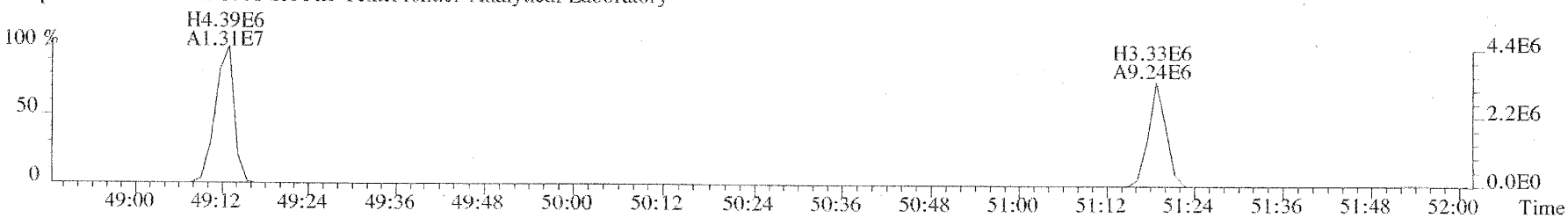
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



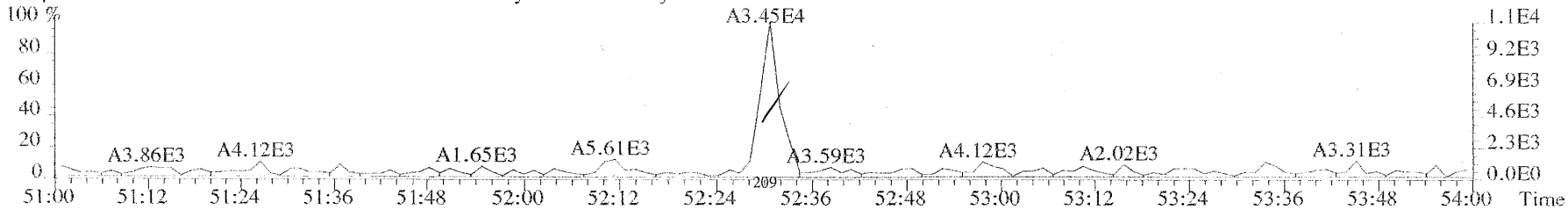
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



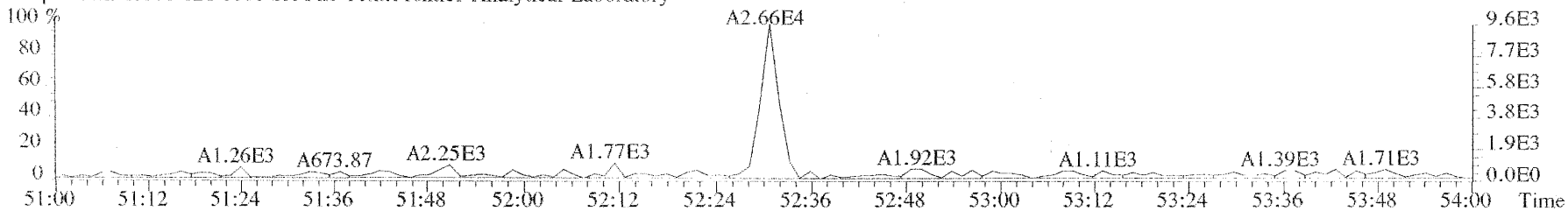
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



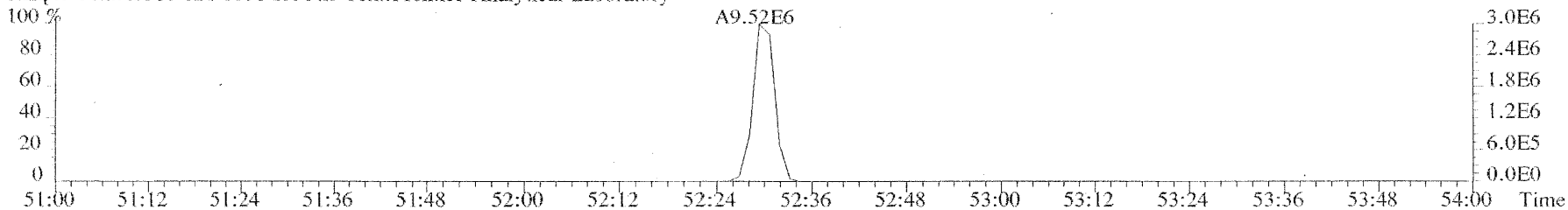
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



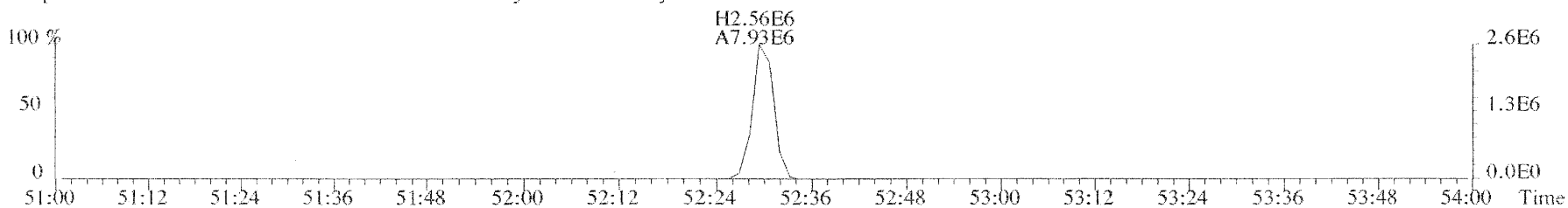
File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 14:57:16 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:13380-021-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13380-028-0001-SA Filename: 09NOV20Z Sam:5 Acquired: 9-NOV-20 15:55:38 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 8.400

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	4.07e+04	3.14 y	14:35	1.29	2.38		-	-	*			
13C-PCB-1	1.57e+07	3.15 y	14:34	0.83	435					36.5	4.58e+06	1.41e+06
PCB-2	*	* n	NotFnd	1.28	*		1260	1040	0.870			
PCB-3	2.73e+04	2.74 y	17:00	1.26	1.38	J	-	-	*			
13C-PCB-3	1.87e+07	3.26 y	16:60	0.80	537					45.1	4.84e+06	1.48e+06
PCB-4	4.44e+04	1.37 y	18:16	1.09	2.81		-	-	*			
PCB-10	8.55e+04	1.41 y	18:19	1.50	2.32	J	-	-	*			
13C-PCB-4	1.72e+07	1.60 y	18:14	0.66	602					50.6	3.61e+06	2.24e+06
PCB-9	2.29e+05	1.51 y	19:57	1.41	6.61		-	-	*			
PCB-7	1.57e+05	1.60 y	20:00	1.44	4.43		-	-	*			
PCB-6	7.32e+05	1.51 y	20:35	1.38	21.5		-	-	*			
PCB-8	2.39e+06	1.39 y	20:57	1.37	70.7		-	-	*			
PCB-5	*	* n	NotFnd	1.43	*		620	3570	0.975			
PCB-14	*	* n	NotFnd	1.43	*		620	3570	0.973			
PCB-11	3.64e+05	1.52 y	23:07	1.34	11.1		-	-	*			
PCB-13	1.02e+05	1.46 y	23:27	1.32	3.13		-	-	*			
PCB-12	1.18e+05	1.53 y	23:28	1.35	3.55		-	-	*			
PCB-15	4.95e+05	1.50 y	23:48	1.20	11.9		-	-	*			
13C-PCB-15	4.14e+07	1.63 y	23:47	0.99	962					80.8	7.12e+06	4.41e+06
PCB-19	2.77e+05	1.14 y	22:10	1.21	20.7		-	-	*			
PCB-30	*	* n	NotFnd	1.89	*		2860	468	1.30			
PCB-18	3.45e+06	1.05 y	23:43	1.28	243		-	-	*			
PCB-17	2.91e+06	1.09 y	23:53	1.38	191		-	-	*			
PCB-27	5.20e+05	1.10 y	24:23	1.72	27.3		-	-	*			
PCB-24	5.65e+05	1.12 y	24:24	1.78	28.7		-	-	*			
PCB-16	1.79e+06	1.04 y	24:54	1.53	105		-	-	*			
PCB-32	2.70e+06	1.10 y	24:55	1.60	152		-	-	*			
13C-PCB-19	1.32e+07	1.10 y	22:08	0.46	659					55.4	2.09e+06	1.94e+06
13C-PCB-9	5.18e+07	1.62 y	19:56	-	10.2							
PCB-34	2.40e+05	1.05 y	25:39	1.26	6.15		-	-	*			
PCB-23	*	* n	NotFnd	1.36	*		1670	1590	0.805			
PCB-29	1.35e+05	1.15 y	25:59	1.33	3.26		-	-	*			
PCB-26	6.01e+06	1.07 y	26:10	1.27	152		-	-	*			
PCB-25	2.84e+06	1.08 y	26:21	1.23	74.5		-	-	*			
PCB-31	1.72e+07	1.06 y	26:39	1.19	464		-	-	*			
PCB-28	1.52e+07	1.09 y	26:46	1.57	312		-	-	*			
PCB-20	8.11e+06	1.05 y	27:22	1.26	207		-	-	*		Co-elute PCB 21/33	
PCB-21	8.11e+06	1.05 y	27:22	1.26	207		-	-	*		Co-elute PCB 20/33	
PCB-33	8.11e+06	1.05 y	27:22	1.26	207		-	-	*		Co-elute PCB 20/21	
PCB-22	4.54e+06	1.05 y	27:46	1.36	108		-	-	*			
PCB-36	*	* n	NotFnd	1.29	*		1670	1590	0.850			
PCB-39	6.61e+04	1.14 y	28:47	1.31	1.63	J	-	-	*			
PCB-38	3.49e+05	1.16 y	29:31	1.25	9.01		-	-	*			
PCB-35	1.79e+05	1.08 y	30:00	1.20	4.80		-	-	*			
PCB-37	1.97e+06	1.02 y	30:26	1.28	49.6		-	-	*			
13C-PCB-37	3.70e+07	1.06 y	30:25	1.69	1110					93.5	4.54e+06	4.31e+06

PCB-54	5.25e+04	0.77	y	25:43	1.27	2.18	J	-	-	*			
PCB-50	9.81e+04	0.68	y	26:48	0.97	5.31		-	-	*			
PCB-53	3.58e+06	0.79	y	27:25	0.94	200		-	-	*			
PCB-51	8.57e+05	0.81	y	27:44	0.94	48.0		-	-	*			
PCB-45	1.58e+06	0.77	y	28:09	0.81	103		-	-	*			
PCB-46	7.22e+05	0.78	y	28:37	0.77	49.6		-	-	*			
PCB-52	3.62e+07	0.80	y	29:02	1.04	1830		-	-	*	Co-elute PCB 69		
PCB-69	3.62e+07	0.80	y	29:02	1.04	1830		-	-	*	Co-elute PCB 52		
PCB-73	6.38e+05	0.76	y	29:09	1.12	30.1		-	-	*			
PCB-43	2.19e+07	0.77	y	29:20	0.89	1290		-	-	*	Co-elute PCB 49		
PCB-49	2.19e+07	0.77	y	29:20	0.89	1290		-	-	*	Co-elute PCB 43		
PCB-47	6.28e+06	0.82	y	29:31	0.94	351		-	-	*			
PCB-48	4.97e+06	0.81	y	29:38	1.16	226		-	-	*	Co-elute PCB 75		
PCB-75	4.97e+06	0.81	y	29:38	1.16	226		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*		860	1290	0.939			
PCB-62	*	*	n	NotFnd	1.12	*		860	1290	0.994			
PCB-44	1.64e+07	0.78	y	30:17	0.75	1160		-	-	*			
PCB-42	6.26e+06	0.79	y	30:30	1.04	317		-	-	*	Co-elute PCB 59		
PCB-59	6.26e+06	0.79	y	30:30	1.04	317		-	-	*	Co-elute PCB 42		
PCB-72	1.71e+07	0.79	y	31:02	1.15	786		-	-	*	Co-elute PCB 41/71/64		
PCB-41	1.71e+07	0.79	y	31:02	1.15	786		-	-	*	Co-elute PCB 72/71/64		
PCB-71	1.71e+07	0.79	y	31:02	1.15	786		-	-	*	Co-elute PCB 72/41/64		
PCB-64	1.71e+07	0.79	y	31:02	1.15	786		-	-	*	Co-elute PCB 72/41/71		
PCB-68	4.28e+05	0.80	y	31:18	1.33	17.0		-	-	*			
PCB-40	2.14e+06	0.79	y	31:30	0.72	156		-	-	*			
PCB-57	1.81e+05	0.83	y	31:50	1.26	7.55		-	-	*			
PCB-67	7.02e+05	0.79	y	32:08	1.24	29.8		-	-	*			
PCB-58	1.48e+05	0.76	y	32:13	1.26	6.16		-	-	*			
PCB-63	9.25e+05	0.81	y	32:23	1.25	39.0		-	-	*			
PCB-74	9.01e+06	0.78	y	32:40	1.25	381		-	-	*			
PCB-61	2.03e+07	0.79	y	32:51	1.14	937		-	-	*	Co-elute PCB 70		
PCB-70	2.03e+07	0.79	y	32:51	1.14	937		-	-	*	Co-elute PCB 61		
PCB-76	1.78e+07	0.79	y	33:04	1.33	705		-	-	*	Co-elute PCB 66		
PCB-66	1.78e+07	0.79	y	33:04	1.33	705		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*		860	1290	0.732			
PCB-55	4.49e+05	0.80	y	33:33	1.30	18.2		-	-	*			
13C-PCB-54	2.26e+07	0.80	y	25:41	1.29	889					74.7	2.61e+06	3.12e+06
PCB-104	*	*	n	NotFnd	1.16	*		572	528	0.597			
PCB-96	2.18e+05	1.42	y	31:20	1.08	13.1		-	-	*			
PCB-103	7.75e+05	1.49	y	31:50	0.91	55.2		-	-	*			
PCB-100	2.41e+05	1.39	y	32:11	0.95	16.5		-	-	*			
PCB-94	1.73e+05	1.39	y	32:37	0.78	14.4		-	-	*			
PCB-98	*	*	n	NotFnd	0.80	*		572	528	0.868	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*		572	528	0.868	Co-elute PCB 98		
PCB-95	2.27e+07	1.56	y	33:09	0.89	1660		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		572	528	0.808			
PCB-88	3.20e+06	1.51	y	33:32	0.91	229		-	-	*	Co-elute PCB 91		
PCB-91	3.20e+06	1.51	y	33:32	0.91	229		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*		572	528	0.637			
13C-PCB-104	1.83e+07	1.60	y	30:07	1.07	875					73.5	2.84e+06	1.85e+06
13C-PCB-28	4.50e+07	1.08	y	26:45	2.08	1100					92.7	6.41e+06	6.03e+06
13C-PCB-52	2.34e+07	0.79	y	29:01	-	8.95							

PCB-56	1.10e+07	0.77	y	34:02	1.20	347		-	-	*			Co-elute PCB 60
PCB-60	1.10e+07	0.77	y	34:02	1.20	347		-	-	*			Co-elute PCB 56
PCB-79	6.20e+05	0.70	y	35:02	1.23	19.0		-	-	*			
PCB-78	*	*	n	NotFnd	1.25	*		887	1020	0.623			
PCB-81	6.97e+05	0.79	y	36:14	1.31	19.2		-	-	*			
13C-PCB-81	3.30e+07	0.80	y	36:12	1.53	1250					105	3.32e+06	4.16e+06
PCB-77	1.05e+06	0.78	y	36:46	1.13	37.0		-	-	*			
13C-PCB-77	2.99e+07	0.82	y	36:45	1.64	1060					89.0	3.19e+06	3.95e+06
PCB-155	*	*	n	NotFnd	1.12	*		566	489	0.662			
PCB-150	1.40e+05	1.22	y	35:30	1.04	8.91		-	-	*			
PCB-152	2.92e+04	1.38	y	35:58	1.03	1.87	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.07	*		566	489	0.693			
PCB-136	5.01e+06	1.26	y	36:41	1.01	329		-	-	*			
PCB-148	*	*	n	NotFnd	0.83	*		566	489	0.902			
PCB-154	7.36e+05	1.30	y	37:15	0.90	54.0		-	-	*			
13C-PCB-155	1.80e+07	1.33	y	34:17	1.21	862					72.4	2.43e+06	1.80e+06
13C-PCB-111	2.15e+07	1.58	y	36:22	1.31	946					79.5	3.15e+06	2.00e+06
13C-PCB-101	2.06e+07	1.66	y	34:43	-	7.76							
PCB-84	1.34e+07	1.56	y	34:23	0.73	691		-	-	*			Co-elute PCB 92
PCB-92	1.34e+07	1.56	y	34:23	0.73	691		-	-	*			Co-elute PCB 84
PCB-89	2.95e+05	1.60	y	34:33	0.73	15.3		-	-	*			
PCB-90	3.81e+07	1.56	y	34:45	0.82	1740		-	-	*			Co-elute PCB 101
PCB-101	3.81e+07	1.56	y	34:45	0.82	1740		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.90	*		960	930	0.883			
PCB-99	1.64e+07	1.59	y	35:04	0.92	673		-	-	*			
PCB-119	1.72e+06	1.64	y	35:29	1.00	64.8		-	-	*			
PCB-83	1.77e+06	1.57	y	35:39	0.83	80.3		-	-	*			Co-elute PCB 112
PCB-112	1.77e+06	1.57	y	35:39	0.83	80.3		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*		960	930	0.811			
PCB-97	8.75e+06	1.52	y	35:58	0.71	466		-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*		960	930	1.14			
PCB-125	1.08e+07	1.49	y	36:14	0.93	438		-	-	*			Co-elute PCB 87/117
PCB-87	1.08e+07	1.49	y	36:14	0.93	438		-	-	*			Co-elute PCB 125/117
PCB-117	1.08e+07	1.49	y	36:14	0.93	438		-	-	*			Co-elute PCB 125/87
PCB-111	3.99e+05	1.41	y	36:23	1.08	13.9		-	-	*			Co-elute PCB 115
PCB-115	3.99e+05	1.41	y	36:23	1.08	13.9		-	-	*			Co-elute PCB 111
PCB-85	4.30e+06	1.55	y	36:30	0.88	183		-	-	*			Co-elute PCB 116
PCB-116	4.30e+06	1.55	y	36:30	0.88	183		-	-	*			Co-elute PCB 85
PCB-120	2.82e+05	1.36	y	36:43	1.09	9.76		-	-	*			
PCB-110	3.47e+07	1.61	y	36:52	1.05	1240		-	-	*			
PCB-82	2.28e+06	1.54	y	37:28	0.63	137		-	-	*			
PCB-124	1.34e+06	1.60	y	38:08	1.09	46.3		-	-	*			
PCB-108	3.16e+06	1.54	y	38:16	1.24	95.7		-	-	*			Co-elute PCB 107
PCB-107	3.16e+06	1.54	y	38:16	1.24	95.7		-	-	*			Co-elute PCB 108
PCB-123	4.73e+05	1.69	y	38:26	1.07	16.8		-	-	*			
13C-PCB-123	3.15e+07	1.58	y	38:24	1.29	1210					102	4.59e+06	2.97e+06
PCB-118	3.05e+07	1.56	y	38:36	1.13	980		-	-	*			Co-elute PCB 106
PCB-106	3.05e+07	1.56	y	38:36	1.13	980		-	-	*			Co-elute PCB 118
13C-PCB-118	3.26e+07	1.59	y	38:34	1.41	1150					96.9	4.53e+06	2.88e+06
PCB-114	6.86e+05	1.66	y	39:13	1.20	21.5		-	-	*			
13C-PCB-114	3.16e+07	1.63	y	39:12	1.34	1180					99.2	4.26e+06	2.55e+06
PCB-122	3.66e+05	1.73	y	39:20	1.15	12.0		-	-	*			
PCB-105	9.71e+06	1.59	y	40:01	1.23	304		-	-	*			
13C-PCB-105	3.08e+07	1.58	y	39:60	1.33	1160					97.4	3.98e+06	2.55e+06

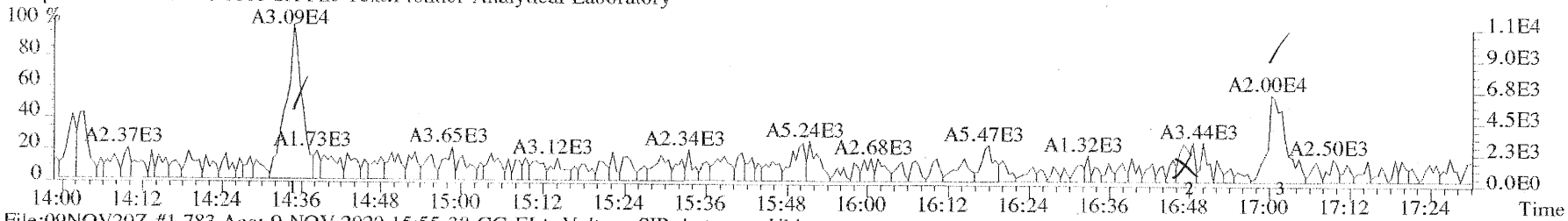
PCB-127	*	*	n	NotFnd	1.12	*	1800	1010	1.05				
PCB-126	1.35e+05	1.40	y	42:10	1.20	4.72	-	-	*				
13C-PCB-126	2.85e+07	1.64	y	42:08	1.20	1180				99.5	3.80e+06	2.29e+06	
PCB-151	8.32e+06	1.27	y	37:51	1.02	425	-	-	*				
PCB-135	4.77e+06	1.31	y	38:04	1.08	231	-	-	*				
PCB-144	1.72e+06	1.31	y	38:11	1.08	83.5	-	-	*				
PCB-147	6.19e+05	1.41	y	38:17	1.13	28.6	-	-	*				
PCB-139	2.88e+07	1.26	y	38:32	1.15	1310	-	-	*				Co-elute PCB 149
PCB-149	2.88e+07	1.26	y	38:32	1.15	1310	-	-	*				Co-elute PCB 139
PCB-140	4.08e+05	1.28	y	38:44	1.15	18.5	-	-	*				
PCB-143	1.81e+06	1.28	y	39:09	0.93	102	-	-	*				Co-elute PCB 134
PCB-134	1.81e+06	1.28	y	39:09	0.93	102	-	-	*				Co-elute PCB 143
PCB-131	1.04e+06	1.26	y	39:25	0.97	56.2	-	-	*				Co-elute PCB 133
PCB-133	1.04e+06	1.26	y	39:25	0.97	56.2	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.96	*	1160	1060	1.25				
PCB-165	6.03e+06	1.27	y	39:46	1.25	252	-	-	*				Co-elute PCB 146
PCB-146	6.03e+06	1.27	y	39:46	1.25	252	-	-	*				Co-elute PCB 165
PCB-161	9.46e+06	1.25	y	40:03	1.22	404	-	-	*				Co-elute PCB 132
PCB-132	9.46e+06	1.25	y	40:03	1.22	404	-	-	*				Co-elute PCB 161
PCB-153	3.01e+07	1.27	y	40:09	1.21	1300	-	-	*				
PCB-168	*	*	n	NotFnd	1.39	*	1160	1060	0.865				
PCB-141	4.64e+06	1.28	y	40:52	1.04	234	-	-	*				
PCB-137	9.98e+05	1.29	y	41:14	1.13	46.2	-	-	*				
PCB-130	1.58e+06	1.12	y	41:20	0.88	94.6	-	-	*				
PCB-138	2.90e+07	1.26	y	41:40	1.26	1200	-	-	*				Co-elute PCB 163/164
PCB-163	2.90e+07	1.26	y	41:40	1.26	1200	-	-	*				Co-elute PCB 138/164
PCB-164	2.90e+07	1.26	y	41:40	1.26	1200	-	-	*				Co-elute PCB 138/163
PCB-158	3.15e+06	1.24	y	41:53	1.38	119	-	-	*				Co-elute PCB 160
PCB-160	3.15e+06	1.24	y	41:53	1.38	119	-	-	*				Co-elute PCB 158
PCB-129	8.30e+05	1.25	y	42:08	0.91	47.5	-	-	*				
PCB-166	8.26e+04	1.29	y	42:36	1.33	3.25	-	-	*				
PCB-159	2.41e+05	1.26	y	42:56	1.38	9.13	-	-	*				
PCB-128	3.50e+06	1.26	y	43:09	1.17	157	-	-	*				Co-elute PCB 162
PCB-162	3.50e+06	1.26	y	43:09	1.17	157	-	-	*				Co-elute PCB 128
PCB-167	8.75e+05	1.23	y	43:32	1.21	36.7	-	-	*				
13C-PCB-167	2.35e+07	1.27	y	43:30	1.09	1070				90.3	3.11e+06	2.48e+06	
PCB-156	1.93e+06	1.30	y	44:44	1.29	77.5	-	-	*				
13C-PCB-156	2.30e+07	1.29	y	44:43	1.03	1120				94.3	2.79e+06	2.21e+06	
PCB-157	4.10e+05	1.37	y	45:01	1.24	16.9	-	-	*				
13C-PCB-157	2.33e+07	1.29	y	44:59	1.09	1070				89.8	3.07e+06	2.41e+06	
PCB-169	*	*	n	NotFnd	1.17	*	1160	1060	0.921				
13C-PCB-169	2.12e+07	1.29	y	46:49	0.94	1120				94.3	3.54e+06	2.61e+06	

FAL ID: 13380-028-0001-SA Filename: 09NOV20Z Sam:5 Acquired: 9-NOV-20 15:55:38 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-A-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 8.400

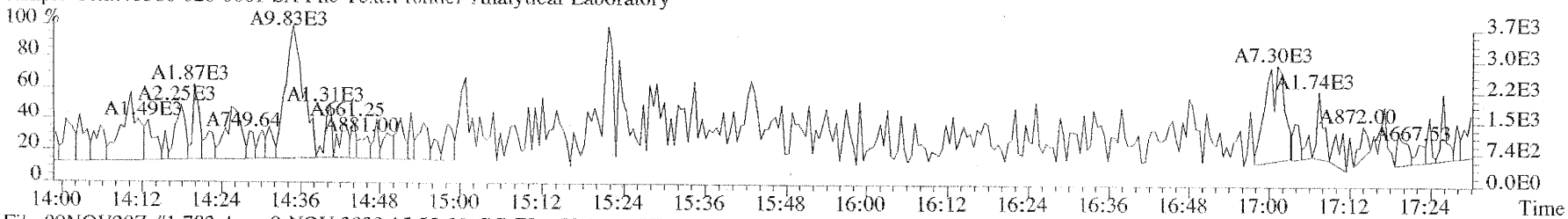
PCB-188	3.92e+04	1.12	y	39:48	1.10	2.18	J	-	-	*		
13C-PCB-188	1.95e+07	1.08	y	39:48	1.06	921					77.4	2.27e+06	2.10e+06
PCB-184	*	*	n	NotFnd	1.31	*		640	648	0.641		
PCB-179	2.95e+06	1.08	y	40:59	1.21	160		-	-	*		
PCB-176	8.28e+05	1.14	y	41:25	1.18	46.4		-	-	*		
PCB-186	*	*	n	NotFnd	1.22	*		640	648	0.690		
PCB-178	9.78e+05	1.07	y	42:26	0.85	76.2		-	-	*		
PCB-175	1.64e+05	1.10	y	42:47	0.88	12.4		-	-	*		
PCB-187	5.16e+06	1.10	y	42:56	0.92	368		-	-	*	Co-elute PCB 182	
PCB-182	5.16e+06	1.10	y	42:56	0.92	368		-	-	*	Co-elute PCB 187	
PCB-183	2.26e+06	1.05	y	43:14	0.95	157		-	-	*		
PCB-185	3.93e+05	1.12	y	43:52	0.85	30.3		-	-	*		
PCB-174	3.59e+06	1.07	y	44:13	0.82	289		-	-	*		
PCB-181	*	*	n	NotFnd	0.90	*		640	648	0.934		
PCB-177	2.14e+06	1.03	y	44:28	0.79	180		-	-	*		
PCB-171	9.23e+05	1.11	y	44:44	0.82	73.9		-	-	*		
PCB-173	8.77e+04	1.08	y	45:09	0.77	7.48		-	-	*		
PCB-172	5.17e+05	1.13	y	45:32	0.77	44.0		-	-	*		
PCB-192	*	*	n	NotFnd	1.01	*		640	648	0.831		
PCB-180	6.82e+06	1.06	y	45:53	0.83	540		-	-	*		
PCB-193	5.11e+05	1.15	y	46:03	1.07	31.6		-	-	*		
PCB-191	1.68e+05	1.06	y	46:16	1.04	10.6		-	-	*		
PCB-170	2.27e+06	1.07	y	47:09	0.74	203		-	-	*		
PCB-190	6.32e+05	1.06	y	47:19	0.97	43.1		-	-	*		
PCB-189	1.04e+05	1.13	y	48:30	1.08	6.92		-	-	*		
13C-PCB-189	1.66e+07	1.06	y	48:28	0.81	1020					85.8	2.43e+06	2.39e+06
PCB-202	3.12e+05	0.84	y	44:56	1.07	23.9		-	-	*		
PCB-201	2.08e+05	0.85	y	45:22	1.14	15.0		-	-	*		
PCB-204	*	*	n	NotFnd	1.14	*		596	540	0.856		
PCB-197	5.38e+04	0.89	y	45:47	1.15	3.85		-	-	*		
PCB-200	1.65e+05	0.81	y	46:31	1.10	12.3		-	-	*		
PCB-198	4.61e+04	0.84	y	47:40	0.77	4.94		-	-	*		
PCB-199	7.98e+05	0.87	y	47:45	0.80	82.1		-	-	*		
PCB-203	8.87e+05	0.89	y	48:00	0.87	83.8		-	-	*	Co-elute PCB 196	
PCB-196	8.87e+05	0.89	y	48:00	0.87	83.8		-	-	*	Co-elute PCB 203	
13C-PCB-202	1.45e+07	0.89	y	44:54	0.80	902					75.8	1.63e+06	1.85e+06
13C-PCB-178	1.32e+07	1.09	y	42:26	0.75	881					74.0	1.59e+06	1.45e+06
13C-PCB-138	2.38e+07	1.27	y	41:38	-	8.28						
PCB-195	4.91e+05	0.94	y	49:07	1.00	25.9		-	-	*		
PCB-194	1.10e+06	0.94	y	49:54	1.05	54.9		-	-	*		
PCB-205	9.44e+04	0.88	y	50:08	1.20	4.15		-	-	*		
13C-PCB-205	2.26e+07	0.91	y	50:08	1.12	1150					96.9	3.59e+06	3.88e+06
PCB-208	1.22e+05	1.34	y	49:13	1.08	6.46		-	-	*		
13C-PCB-208	2.07e+07	0.80	y	49:13	1.19	995					83.6	3.05e+06	3.69e+06
PCB-207	6.27e+04	1.25	y	49:31	1.31	3.27		-	-	*		
PCB-206	2.29e+05	1.25	y	51:20	1.13	17.2		-	-	*		
13C-PCB-206	1.41e+07	0.80	y	51:19	0.80	1000					84.0	2.01e+06	2.63e+06
PCB-209	7.68e+04	1.22	y	52:31	1.20	5.66		-	-	*		
13C-PCB-209	1.35e+07	1.21	y	52:31	0.88	876					73.6	2.50e+06	2.04e+06
13C-PCB-194	2.08e+07	0.89	y	49:53	-	8.28						

Analyst: _____ Date: 11/10/20

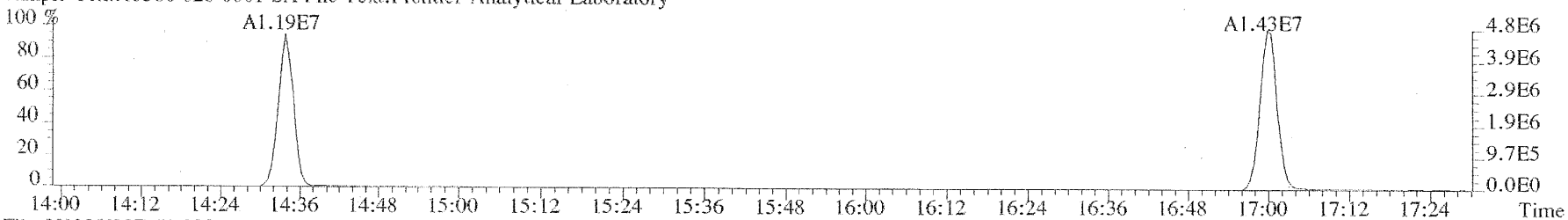
File:09NOV20Z #1-783 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-783 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-783 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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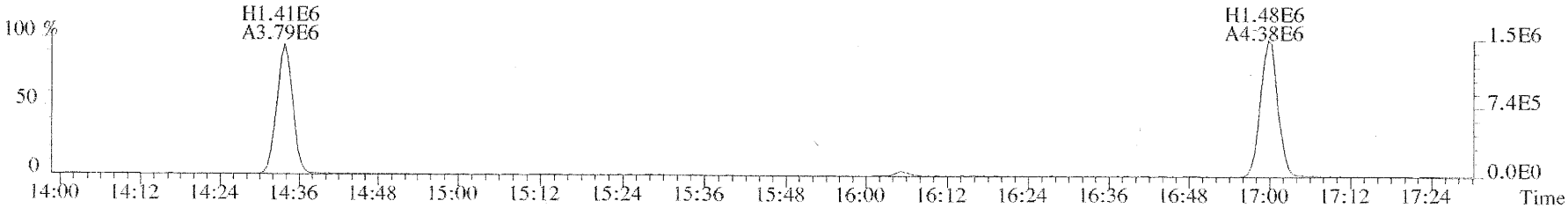
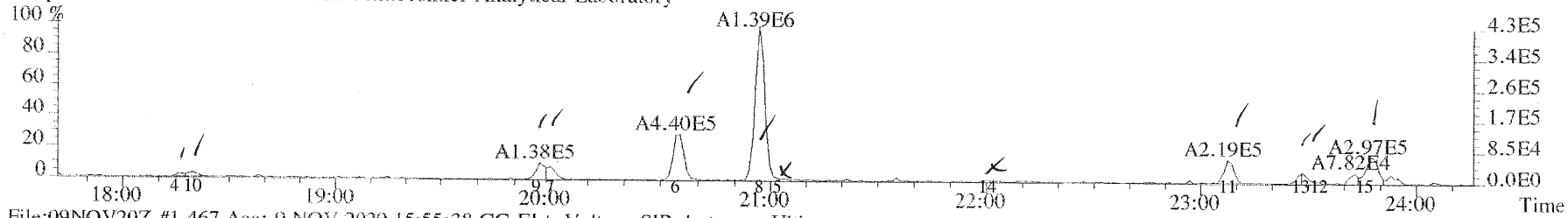
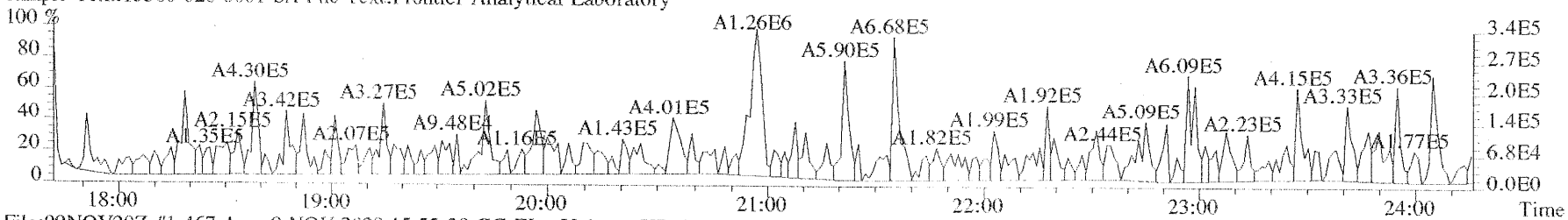
202.0766 S:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



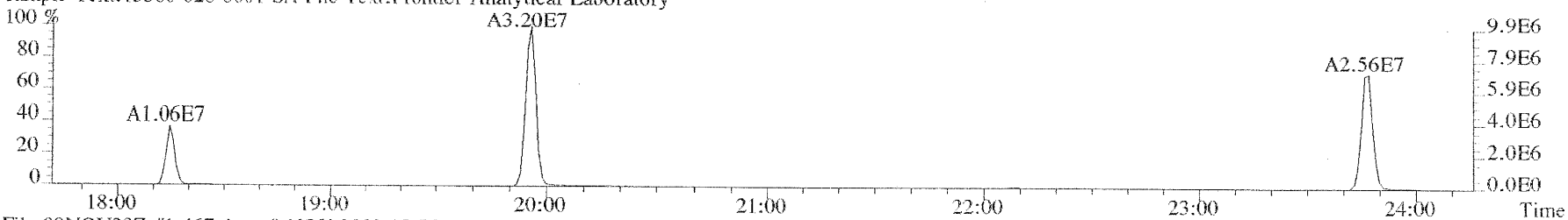
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



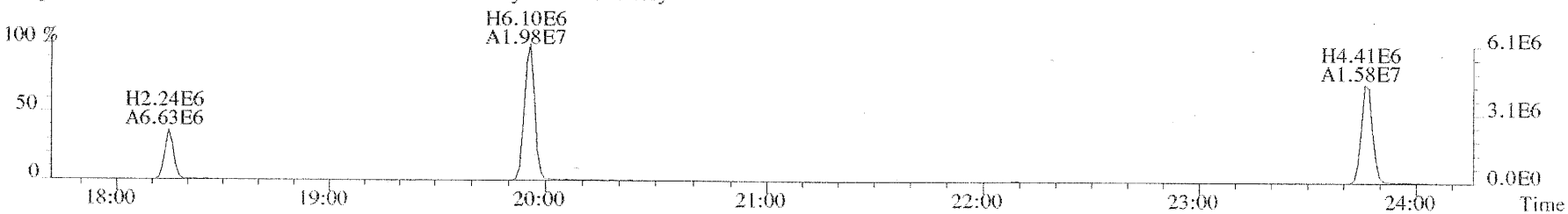
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



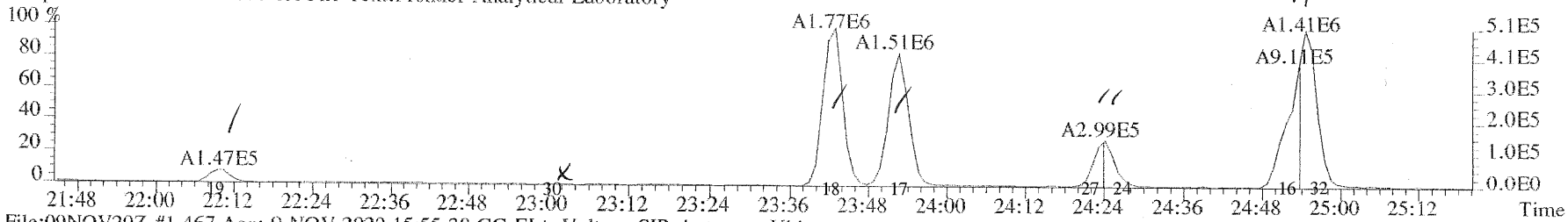
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



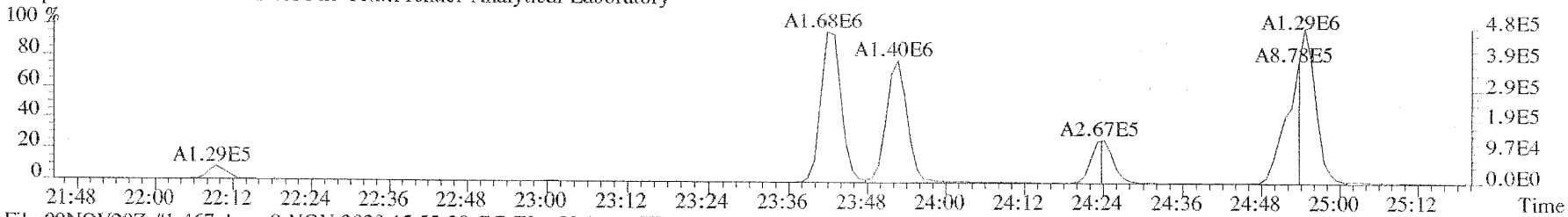
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



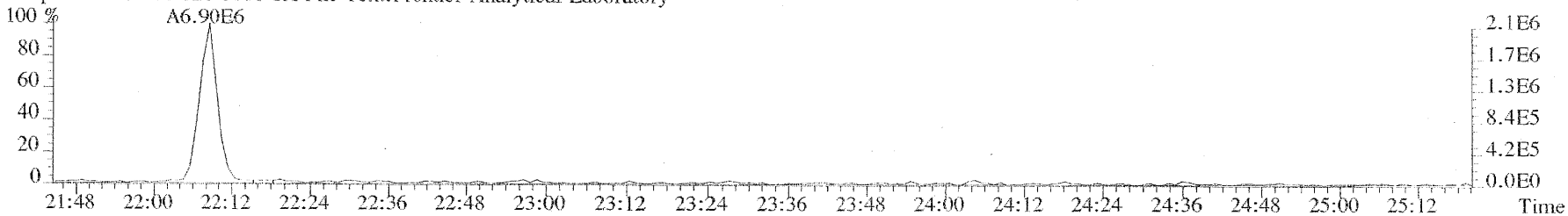
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



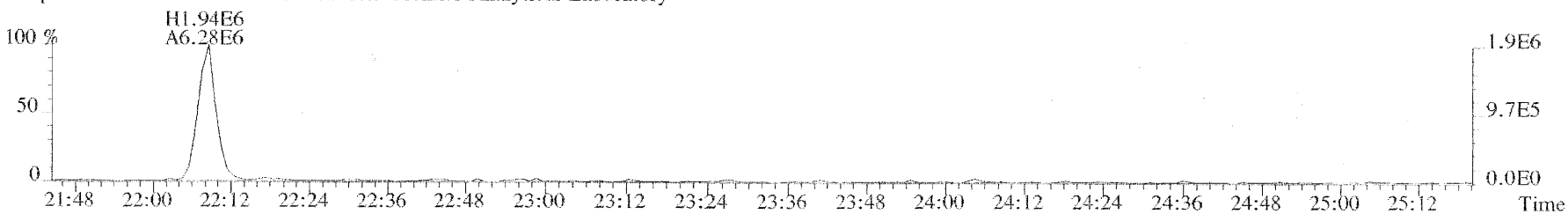
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



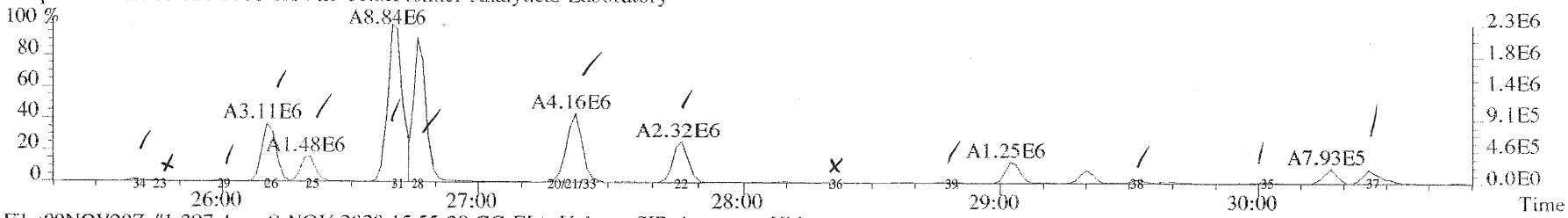
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



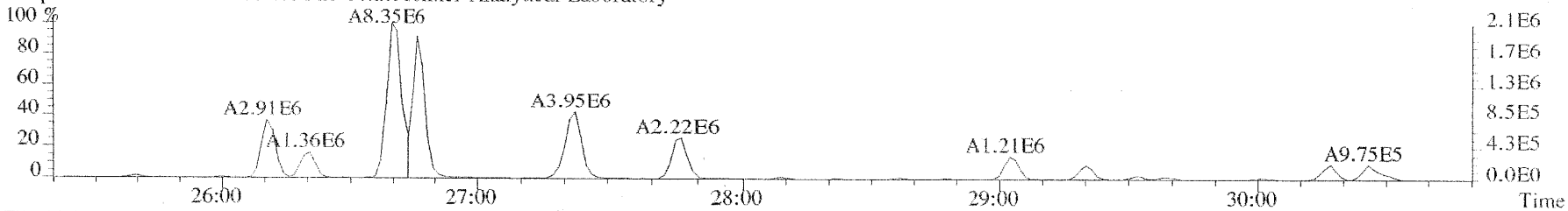
File:09NOV20Z #1-467 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



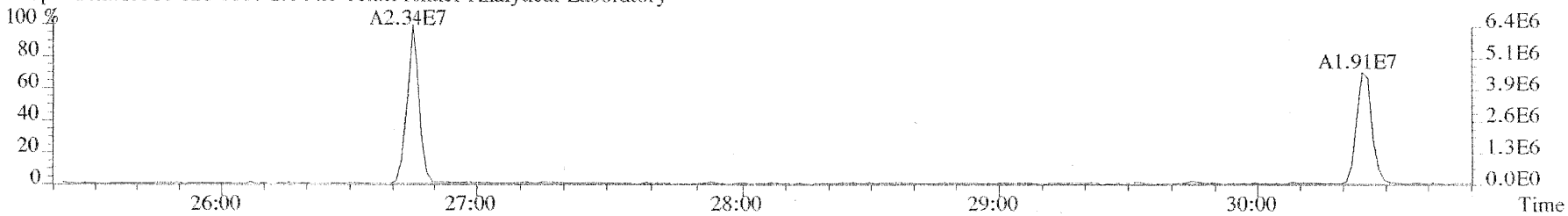
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



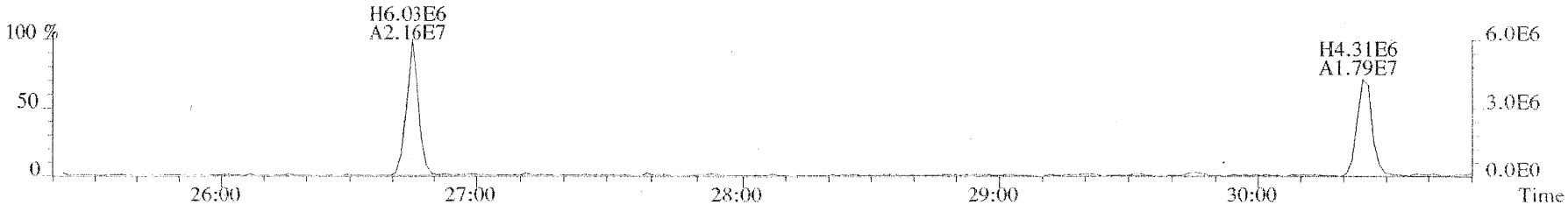
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



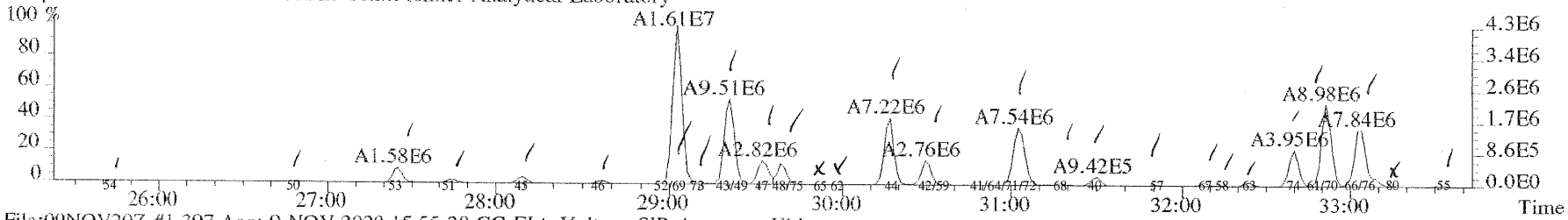
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



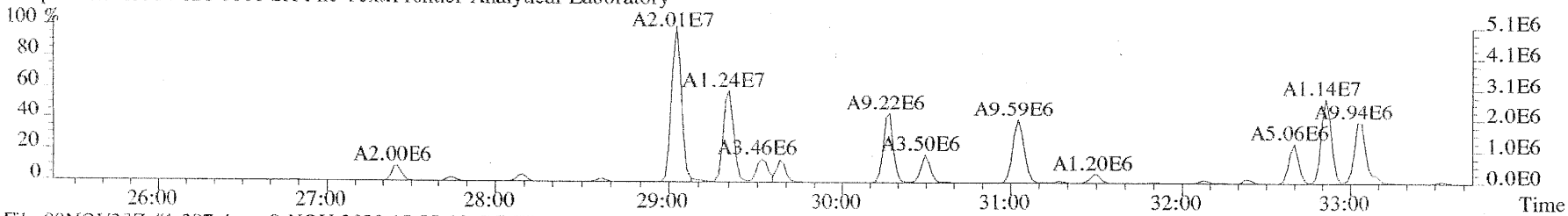
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



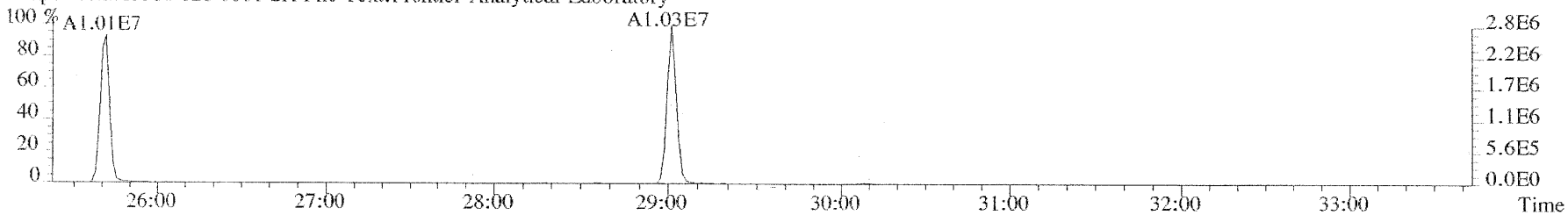
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



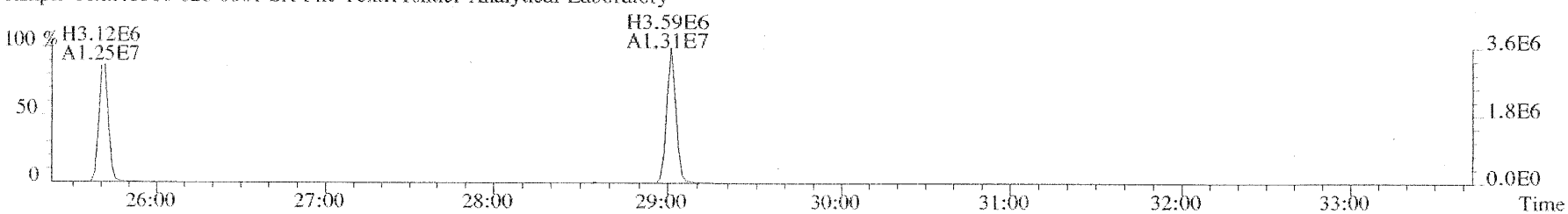
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



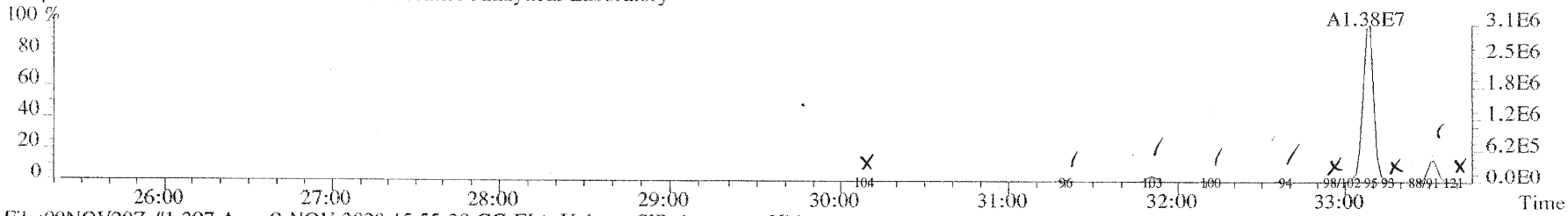
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



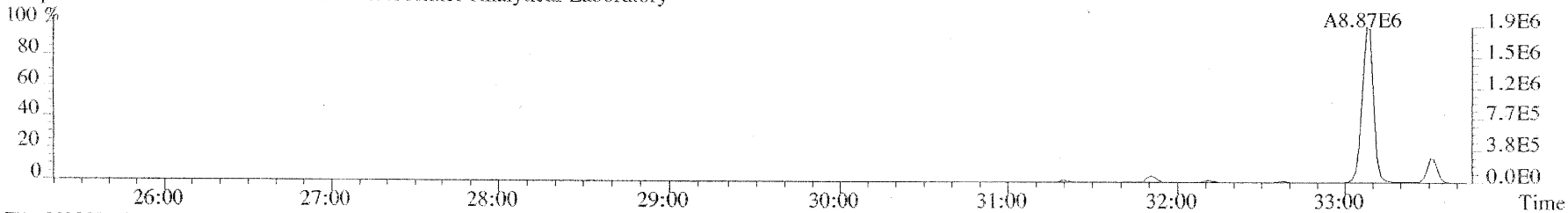
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



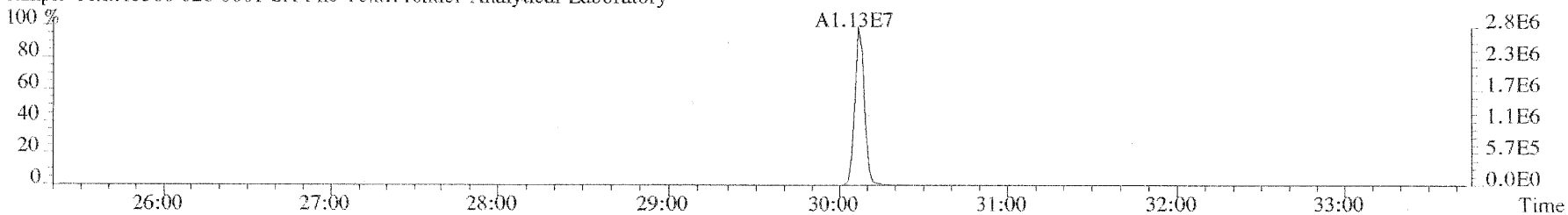
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



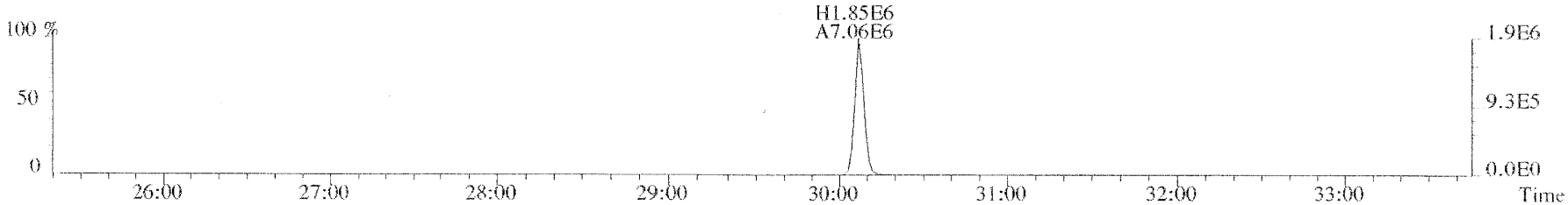
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



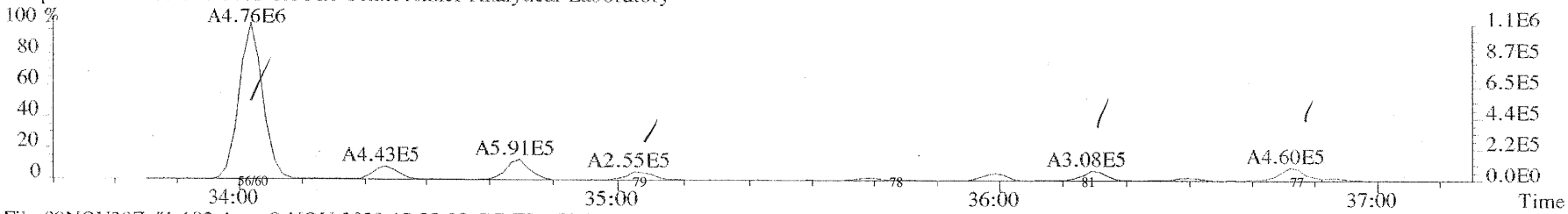
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



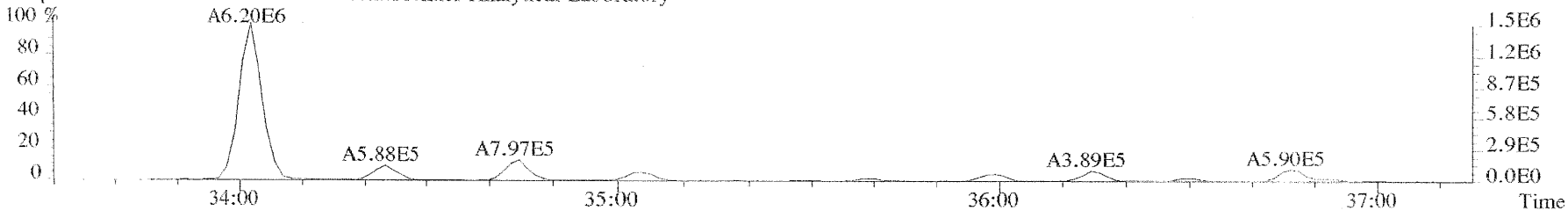
File:09NOV20Z #1-397 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



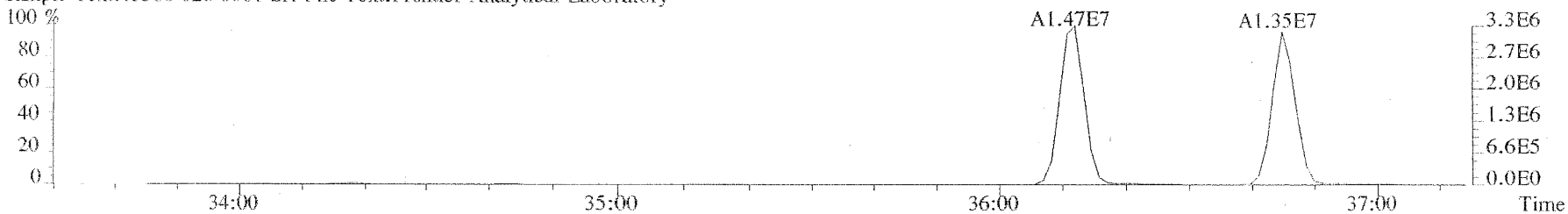
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



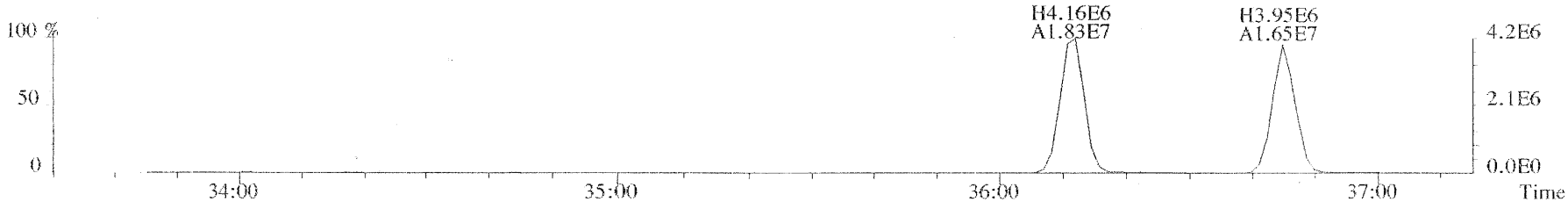
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



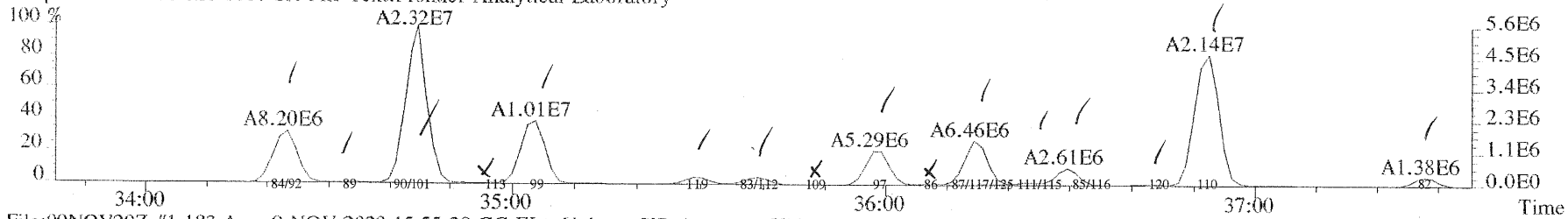
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



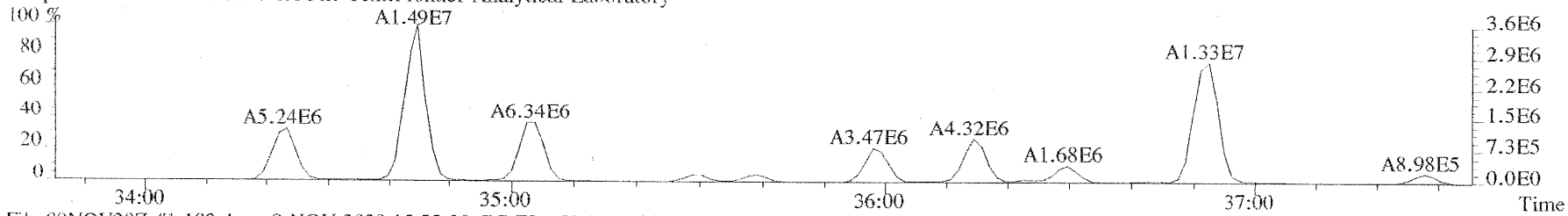
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



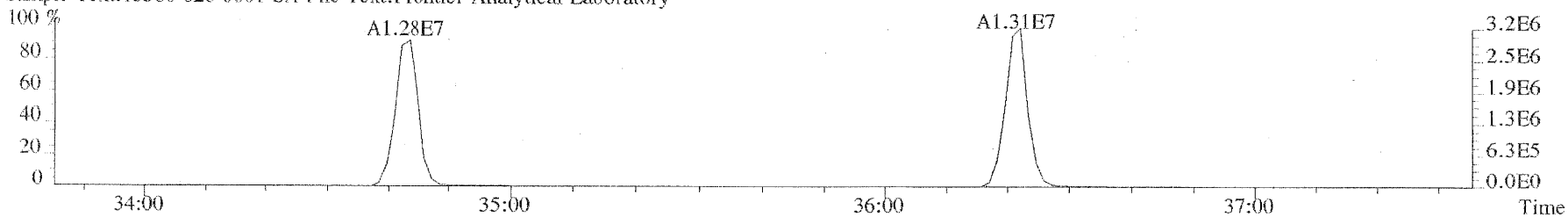
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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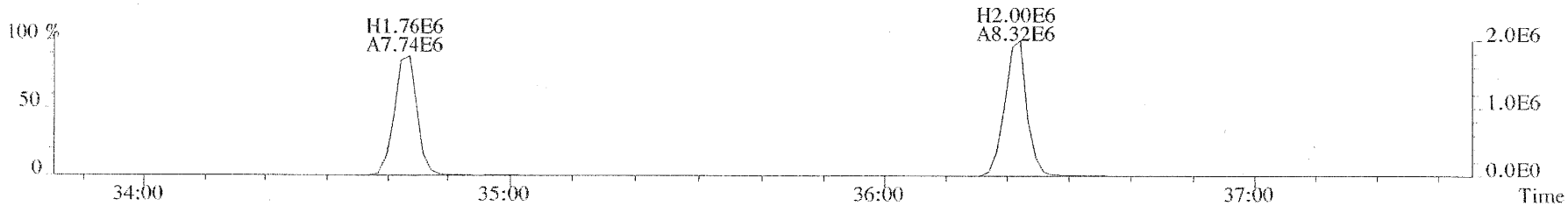
339.9178 S:5 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 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
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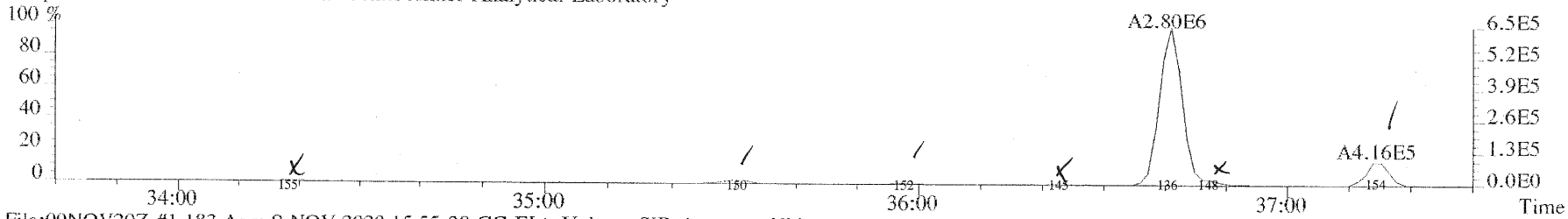
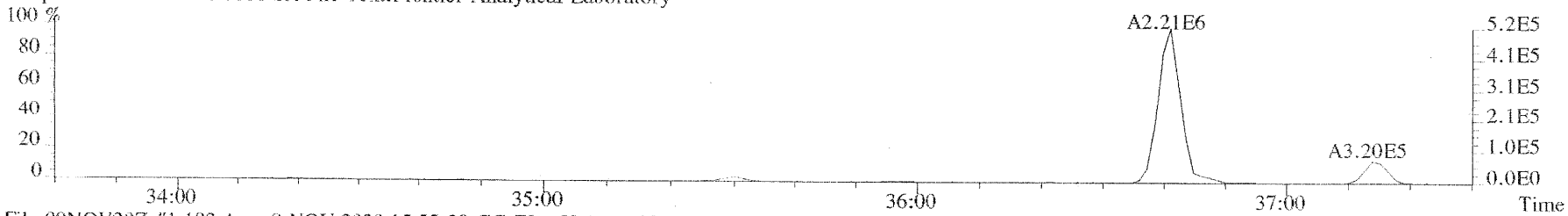
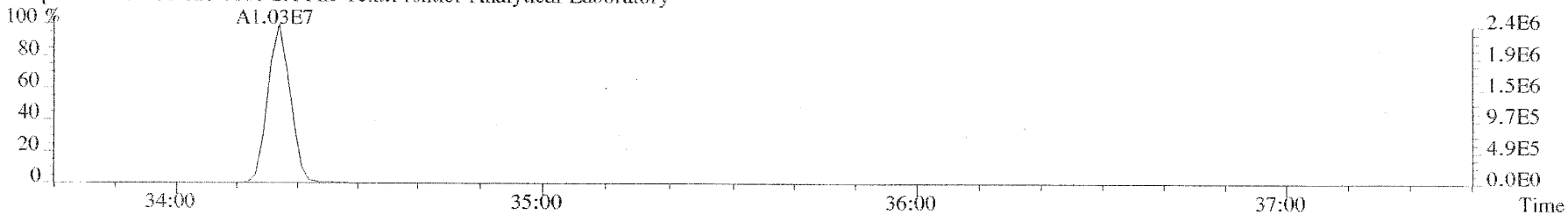


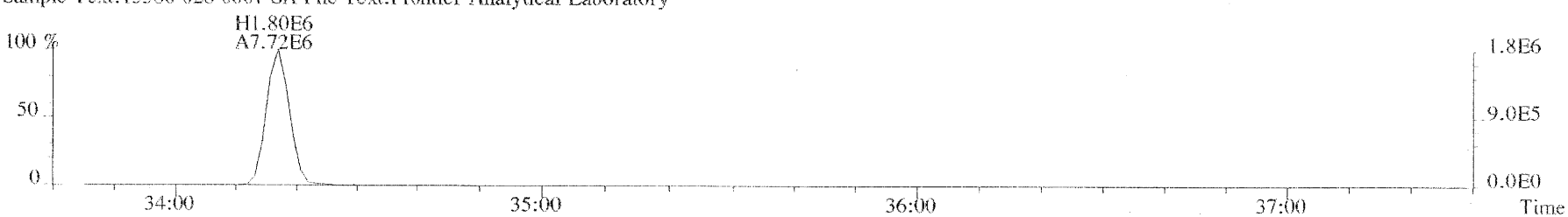
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



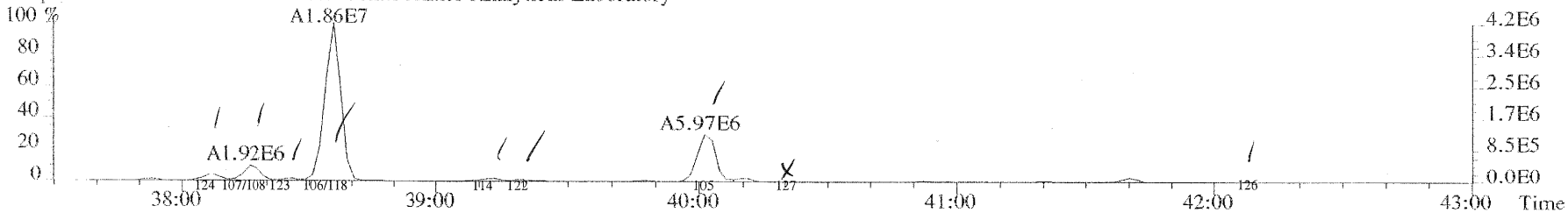
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



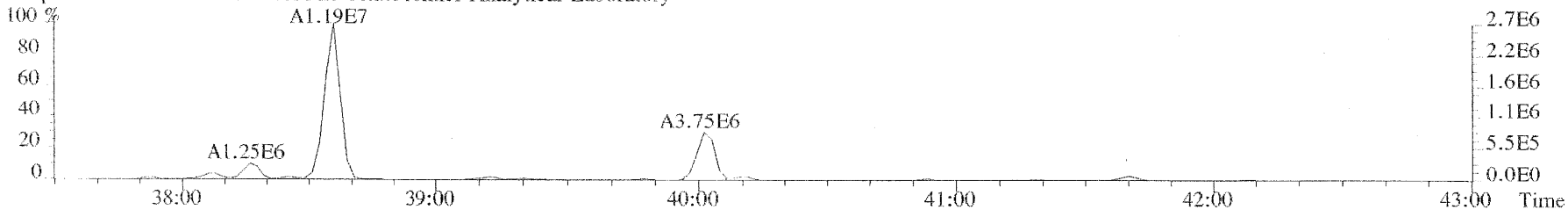
File:09NOV20Z #1-183 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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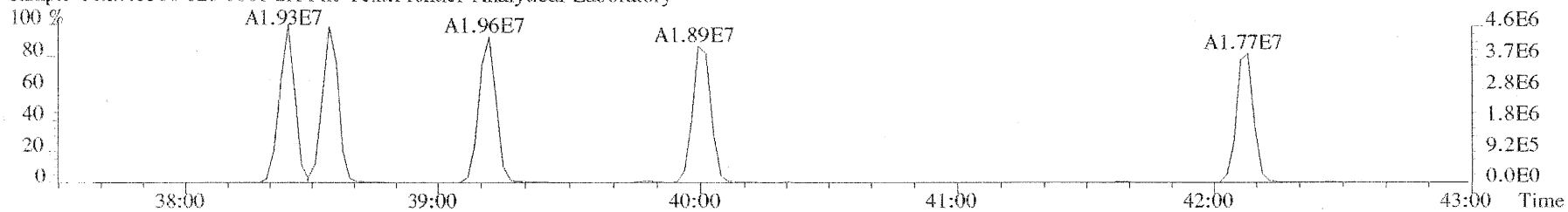
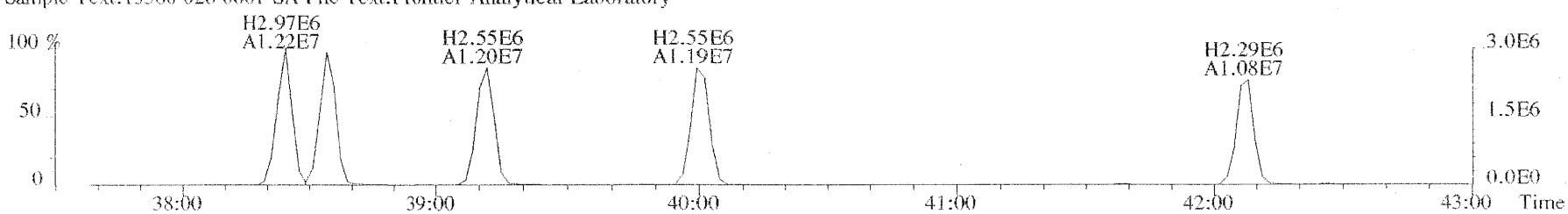
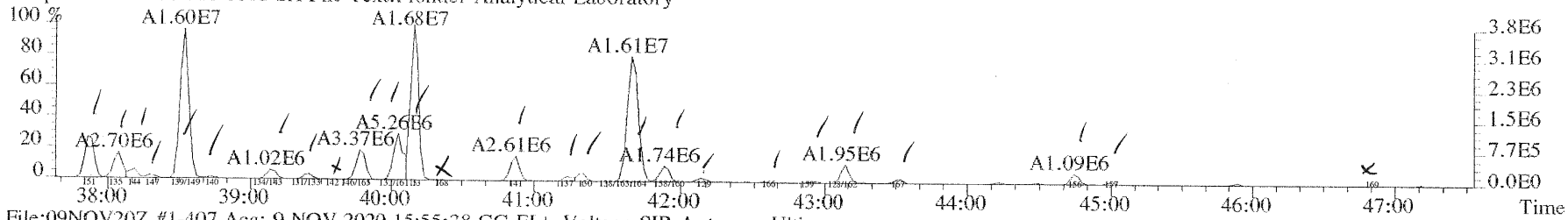
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



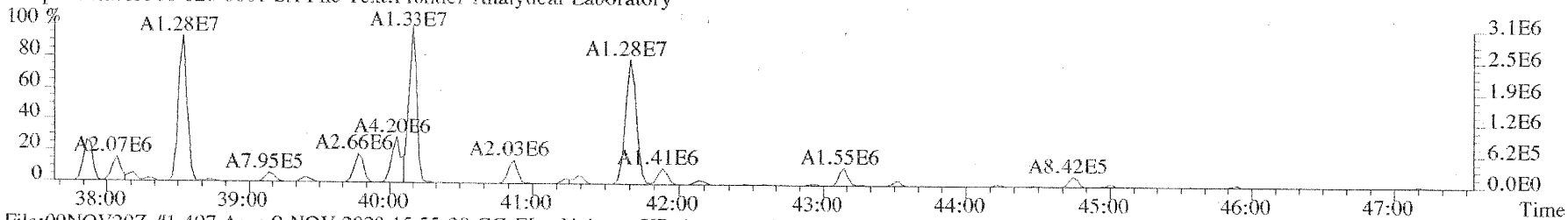
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



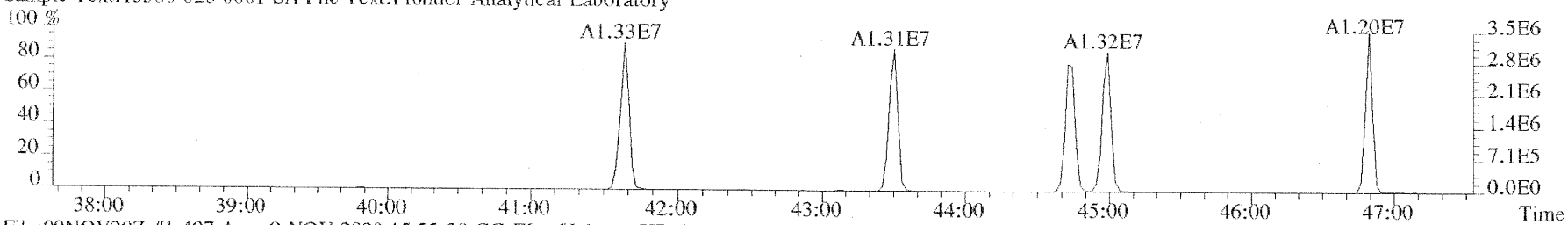
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



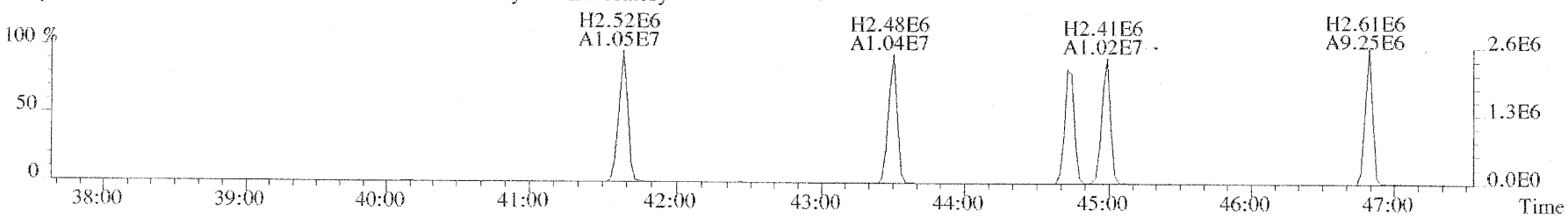
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
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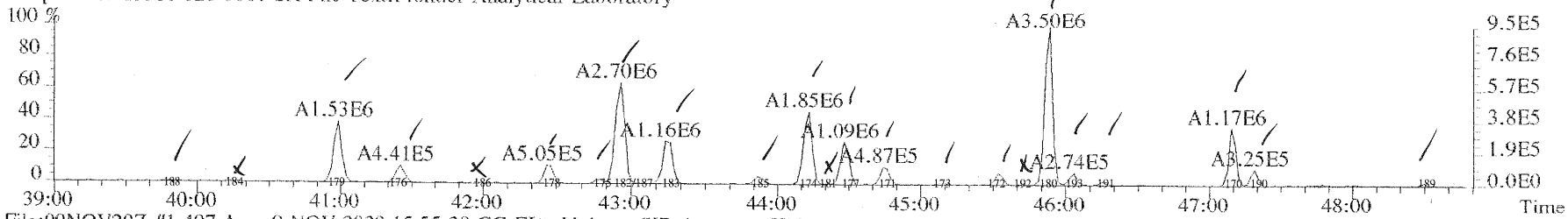
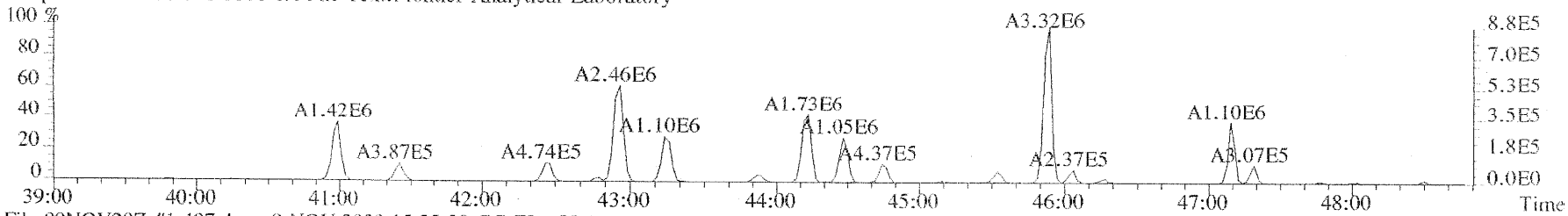
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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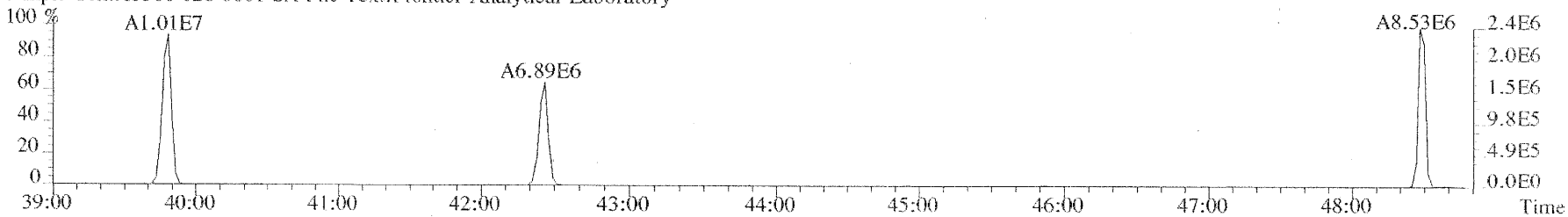
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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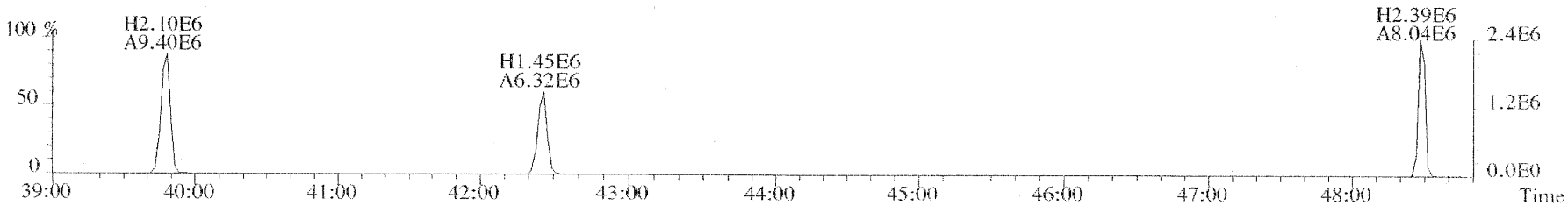
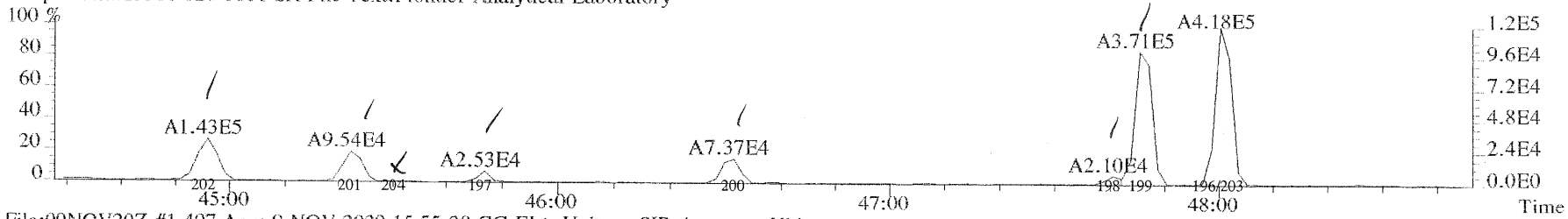
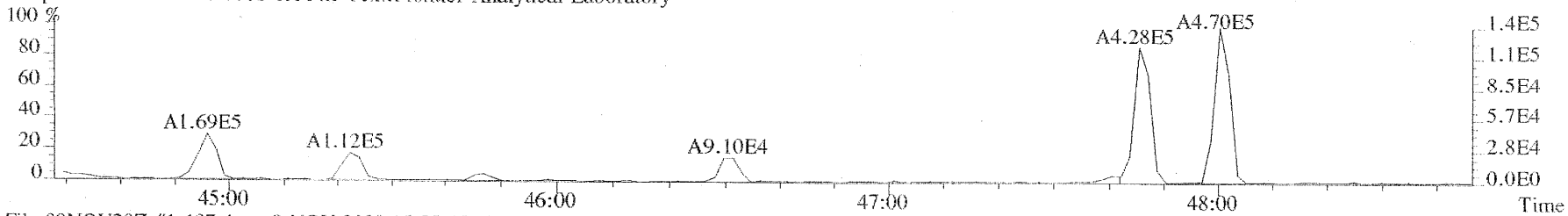
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



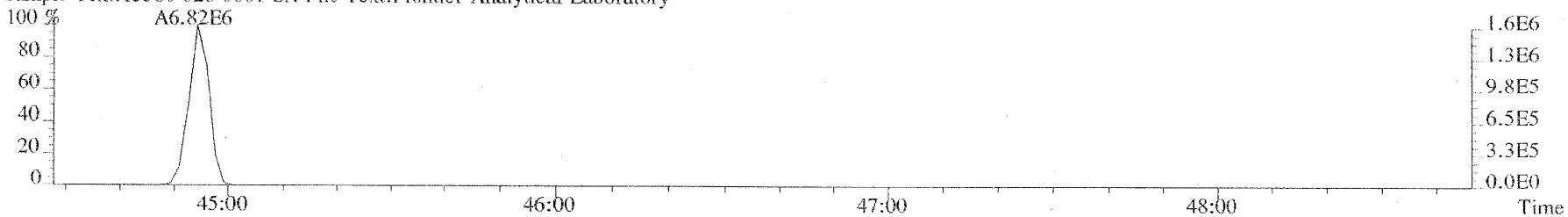
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



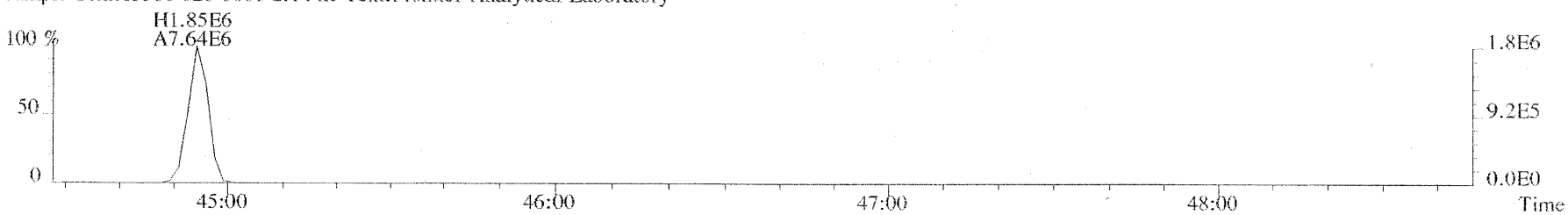
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



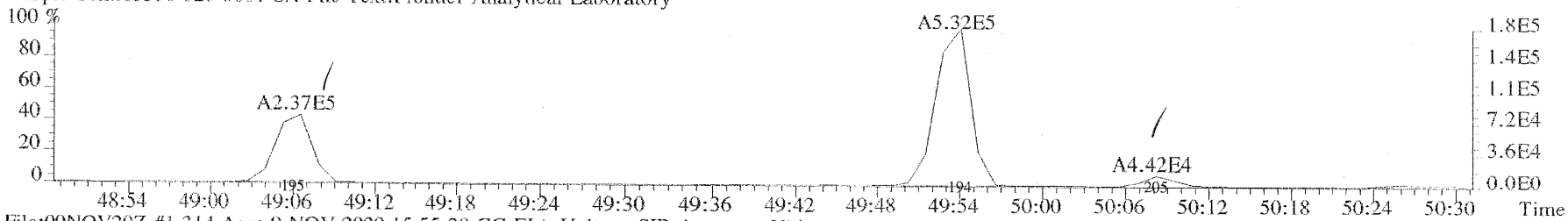
File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
441.8008 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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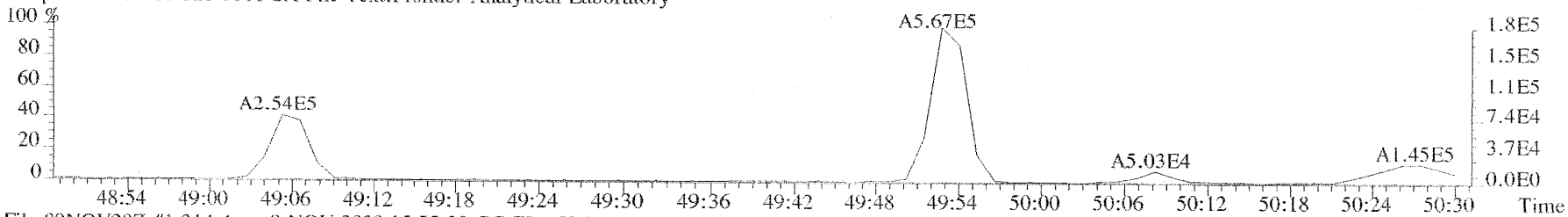
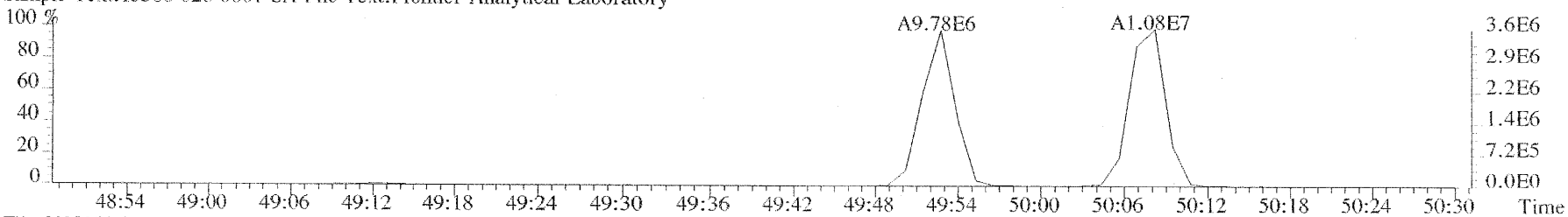
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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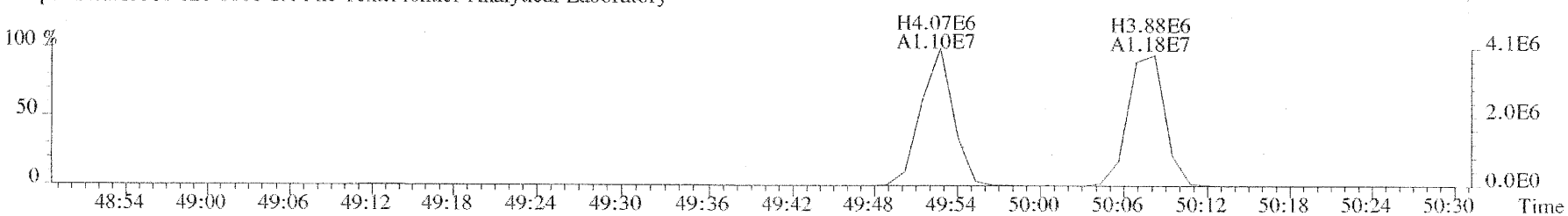
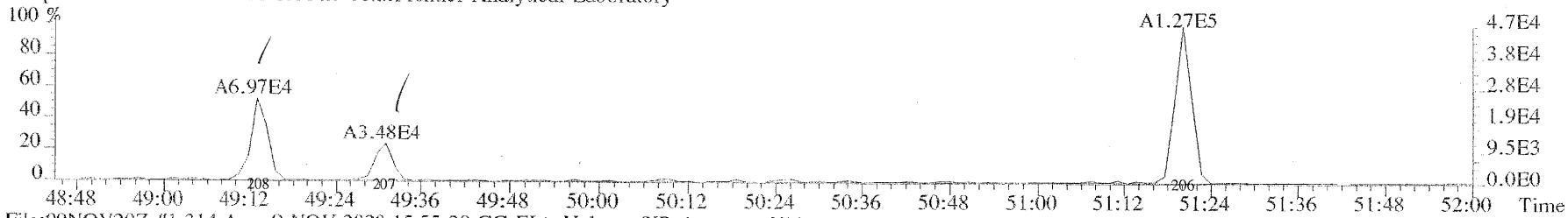
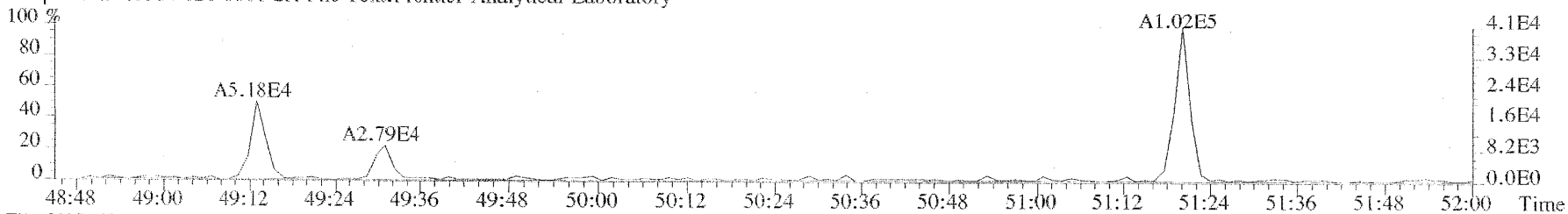
441.8008 S:5 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



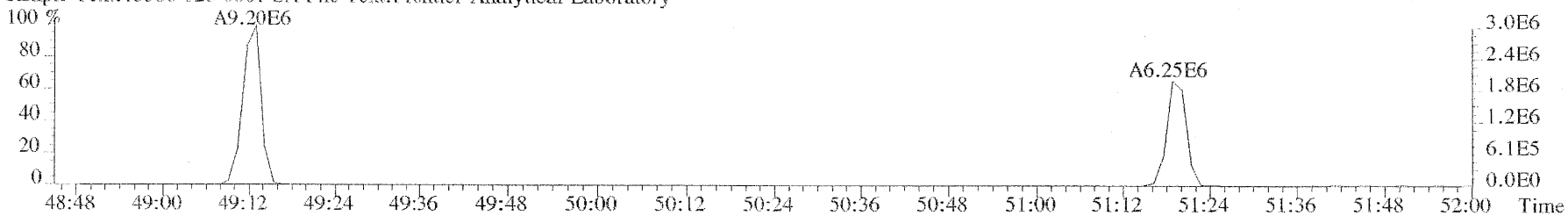
File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



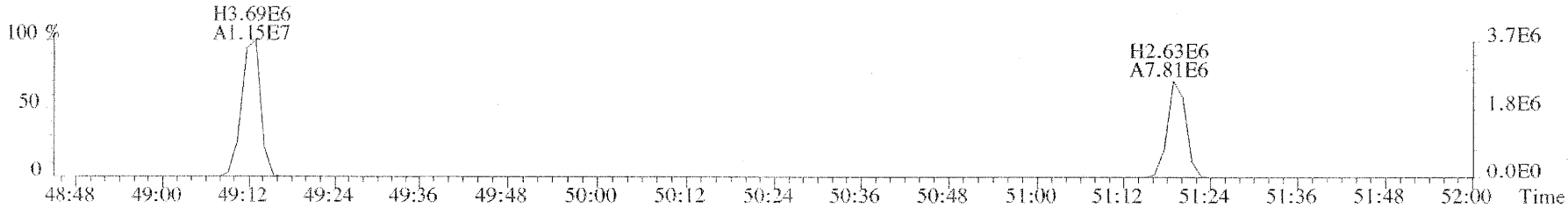
File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



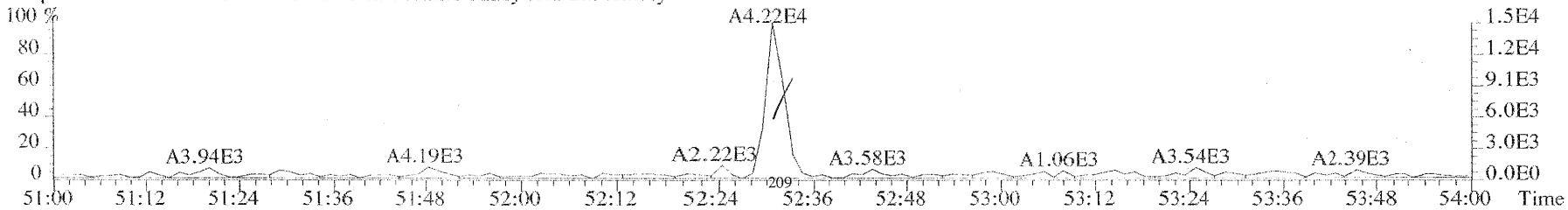
File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 15:55:38 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:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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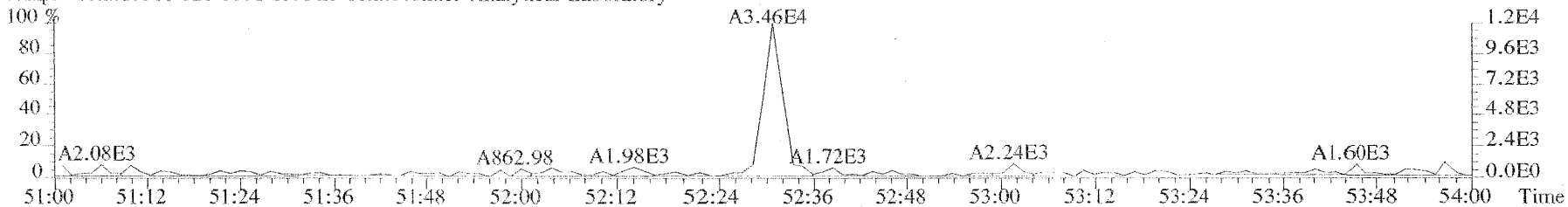
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13380-028-0001-SA File Text:Frontier Analytical Laboratory



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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
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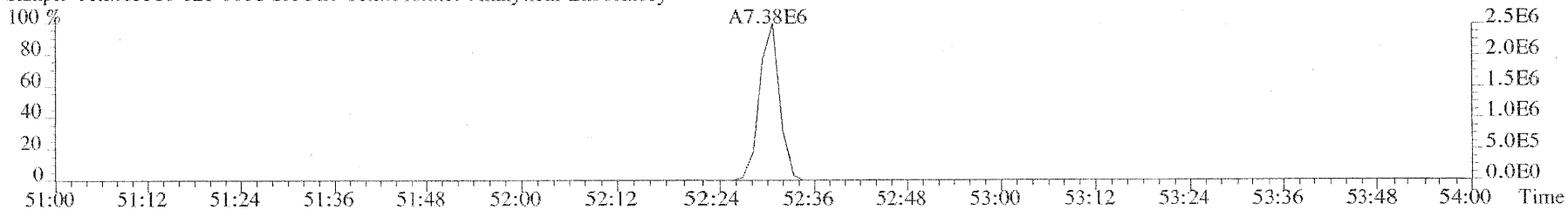

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511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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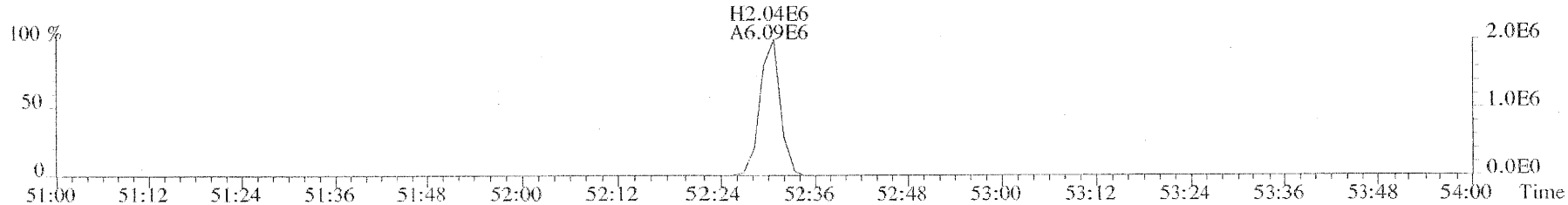

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Data Filename: 22JUL20Z

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: [illegible] Date: 7/28/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.23	2.66-3.60	y	51.0	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	48.9	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	46.7	37.5 - 62.5
PCB-15	M/M+2	1.51	1.33-1.79	y	52.2	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	50.5	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	51.0	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.79	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.77	0.65-0.89	y	112	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	111	75.0 - 125
PCB-114	M+2/M+4	1.55	1.32-1.78	y	121	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	207	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	95.7	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	111	75.0 - 125
PCB-155	M+2/M+4	1.32	1.05-1.43	y	107	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	111	75.0 - 125
PCB-157	M+2/M+4	1.26	1.05-1.43	y	112	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	106	75.0 - 125
PCB-169	M+2/M+4	1.21	1.05-1.43	y	96.1	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	100	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	145	112.5 - 187.5
PCB-205	M+2/M+4	0.88	0.76-1.02	y	156	112.5 - 187.5
PCB-206	M+4/M+6	1.35	1.13-1.53	y	158	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	157	112.5 - 187.5
PCB-209	M+4/M+6	1.16	0.99-1.33	y	157	112.5 - 187.5

Analyst: [signature] Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:8 Analysis Date: 22-JUL-20 14:52:38

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.09	2.66-3.60	y	94.4	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	93.3	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	92.8	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	93.3	50.0 - 145
13C-PCB-19	M/M+2	1.11	0.88-1.20	y	94.6	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	98.1	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	105	50.0 - 145
13C-PCB-81	M/M+2	0.80	0.65-0.89	y	104	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	97.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.57	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	90.1	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	93.6	50.0 - 145
13C-PCB-123	M+2/M+4	1.60	1.32-1.78	y	95.2	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	93.1	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	88.6	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	91.2	50.0 - 145
13C-PCB-167	M+2/M+4	1.27	1.05-1.43	y	94.2	50.0 - 145
13C-PCB-169	M+2/M+4	1.25	1.05-1.43	y	92.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.09	0.89-1.21	y	90.3	50.0 - 145
13C-PCB-189	M+2/M+4	1.06	0.89-1.21	y	94.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.89	0.76-1.02	y	88.3	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	95.6	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	95.1	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	90.3	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	109	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	108	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	106	75.0 - 125

Analyst: [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				

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: SS07222021 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST07222026 EndCal: ST07222027
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

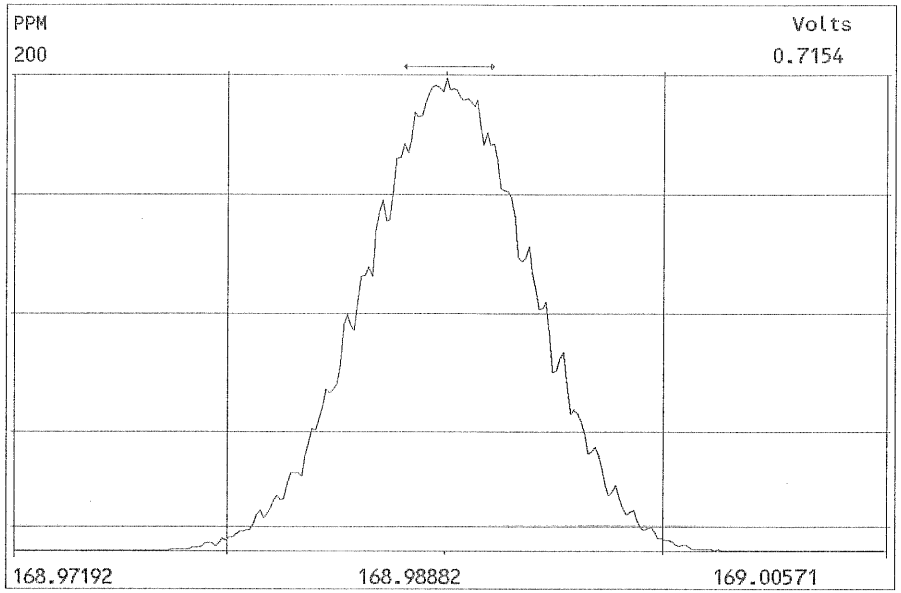
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399 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

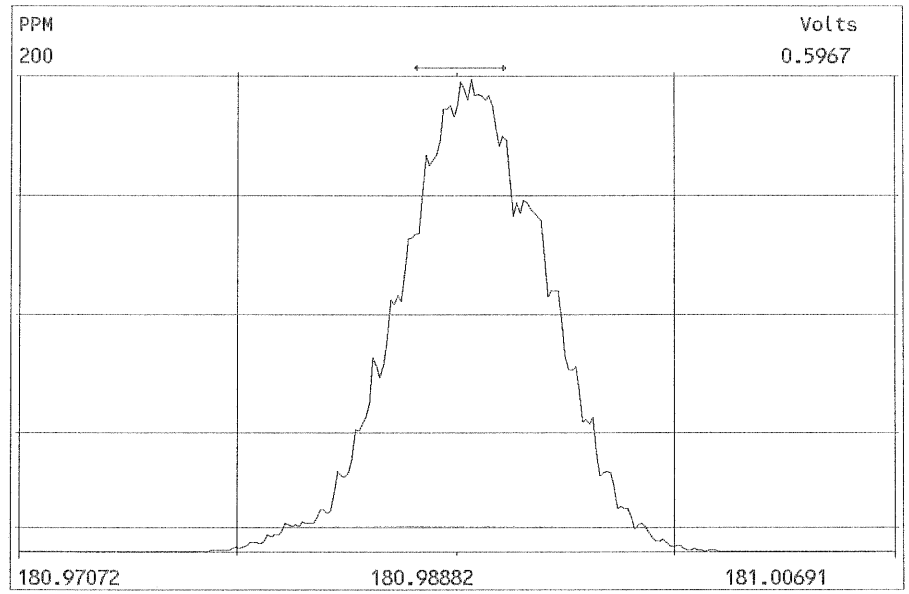
7/28/20

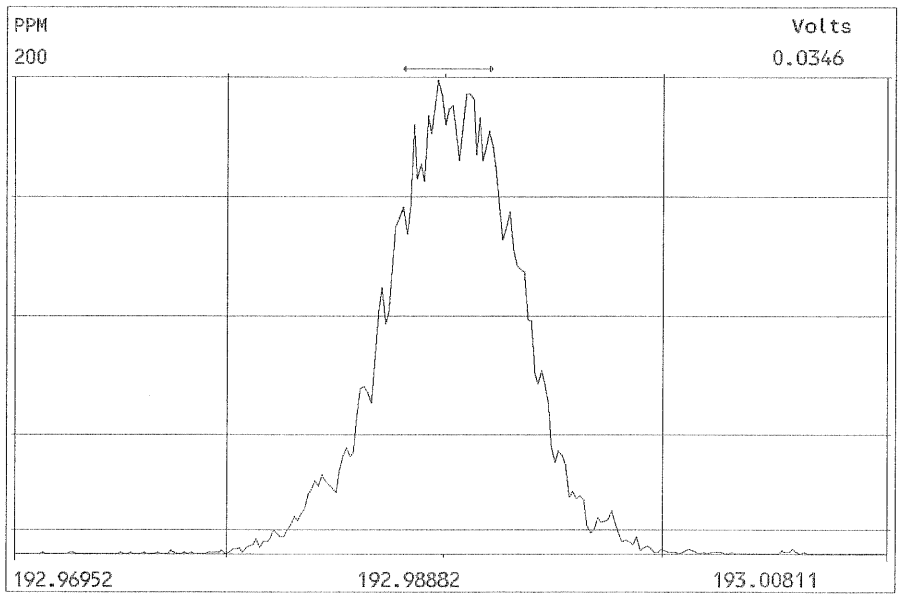
Data Backed Up:_____

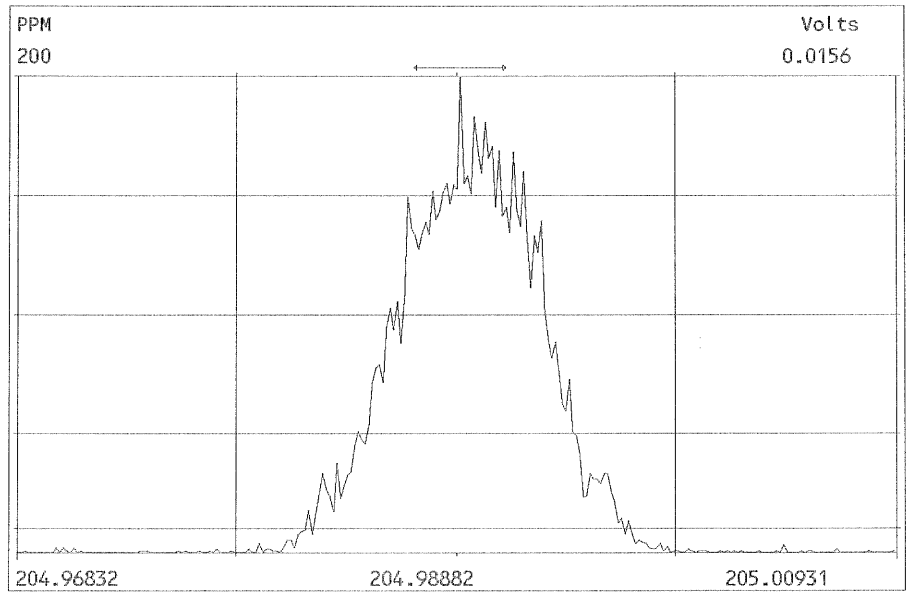
Date:_____

Peak Locate Examination:22-JUL-2020:08:00 File:22JUL20Z
Experiment:1668PCB Function:1 Reference:PFK 99

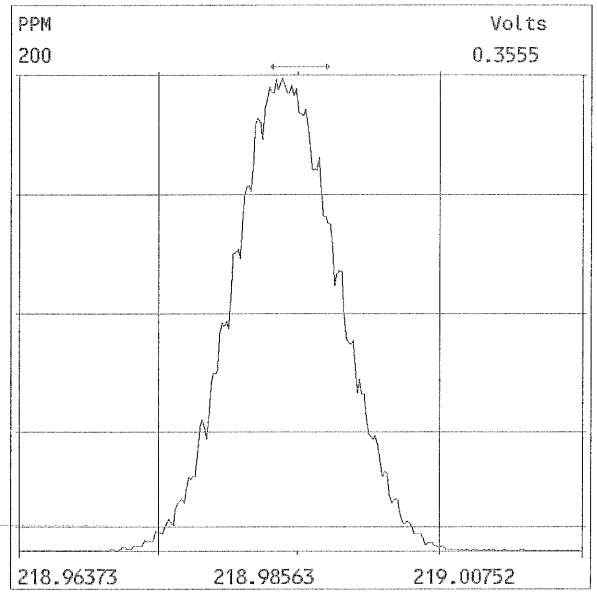


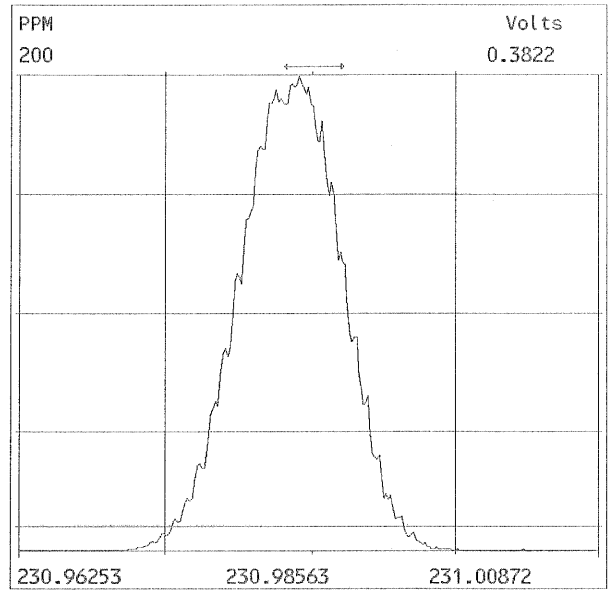


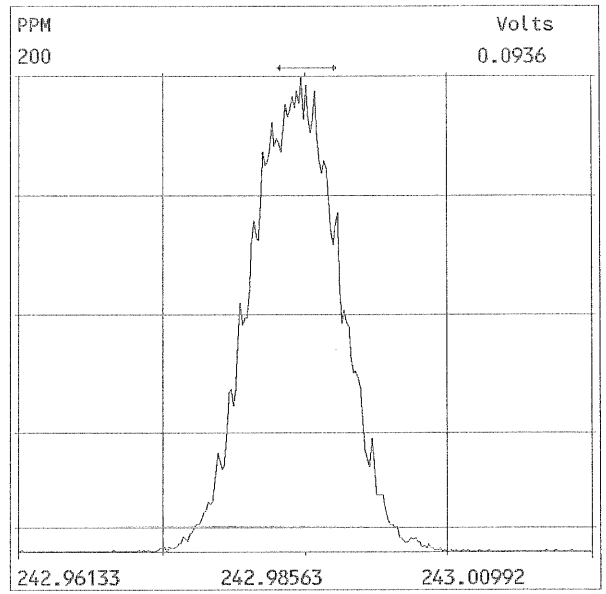


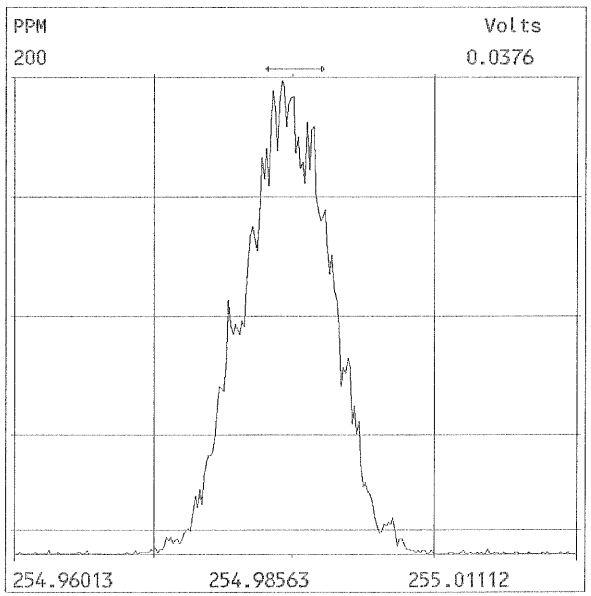


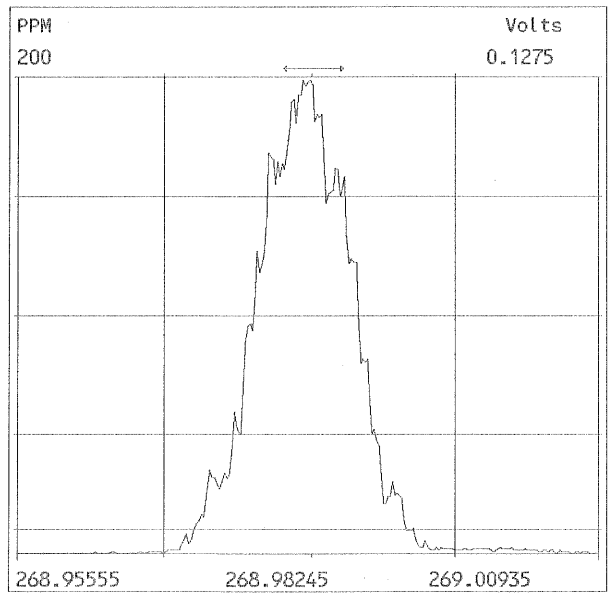
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

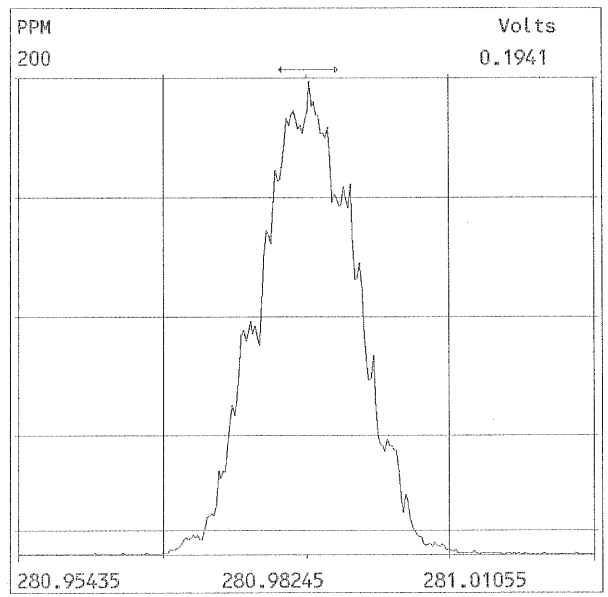




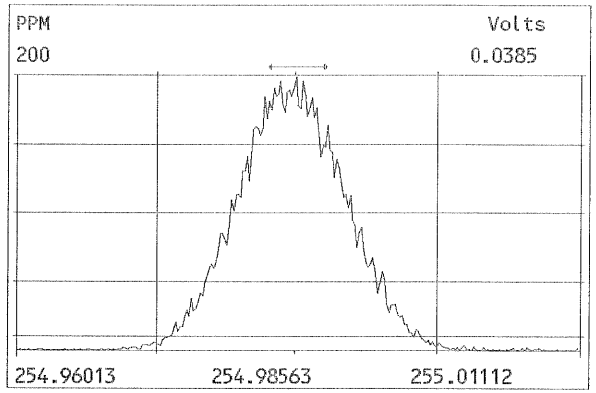


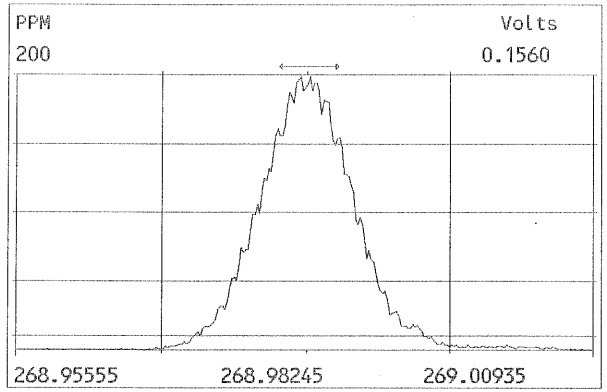


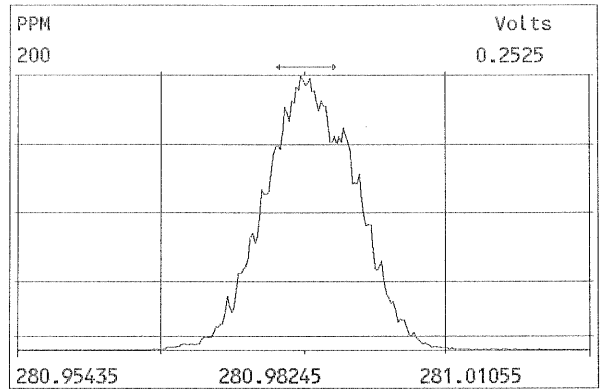


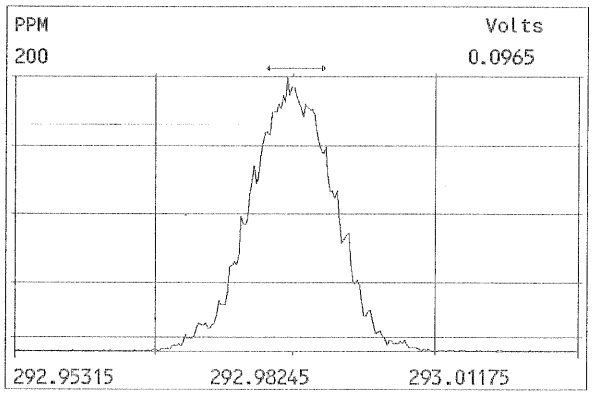


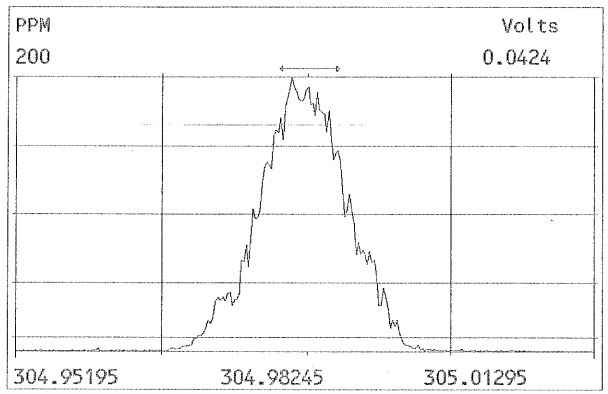
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

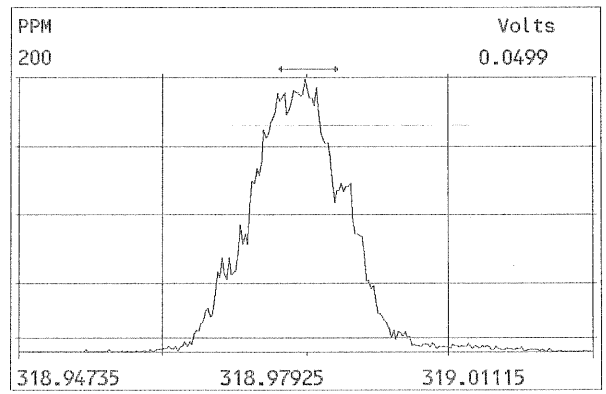


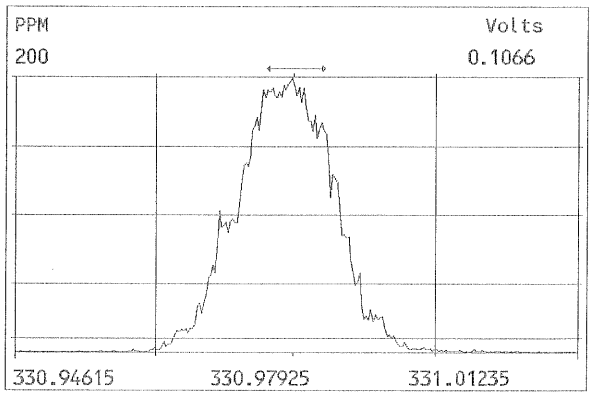


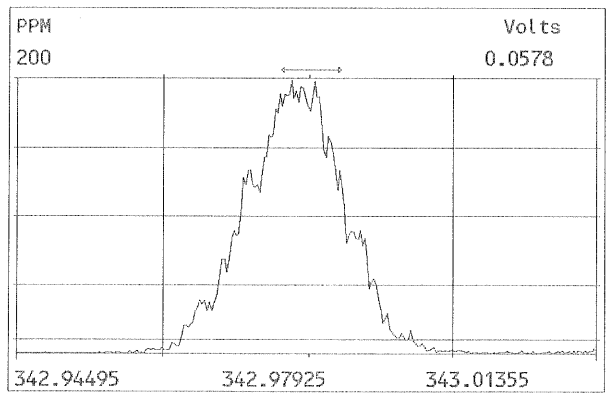




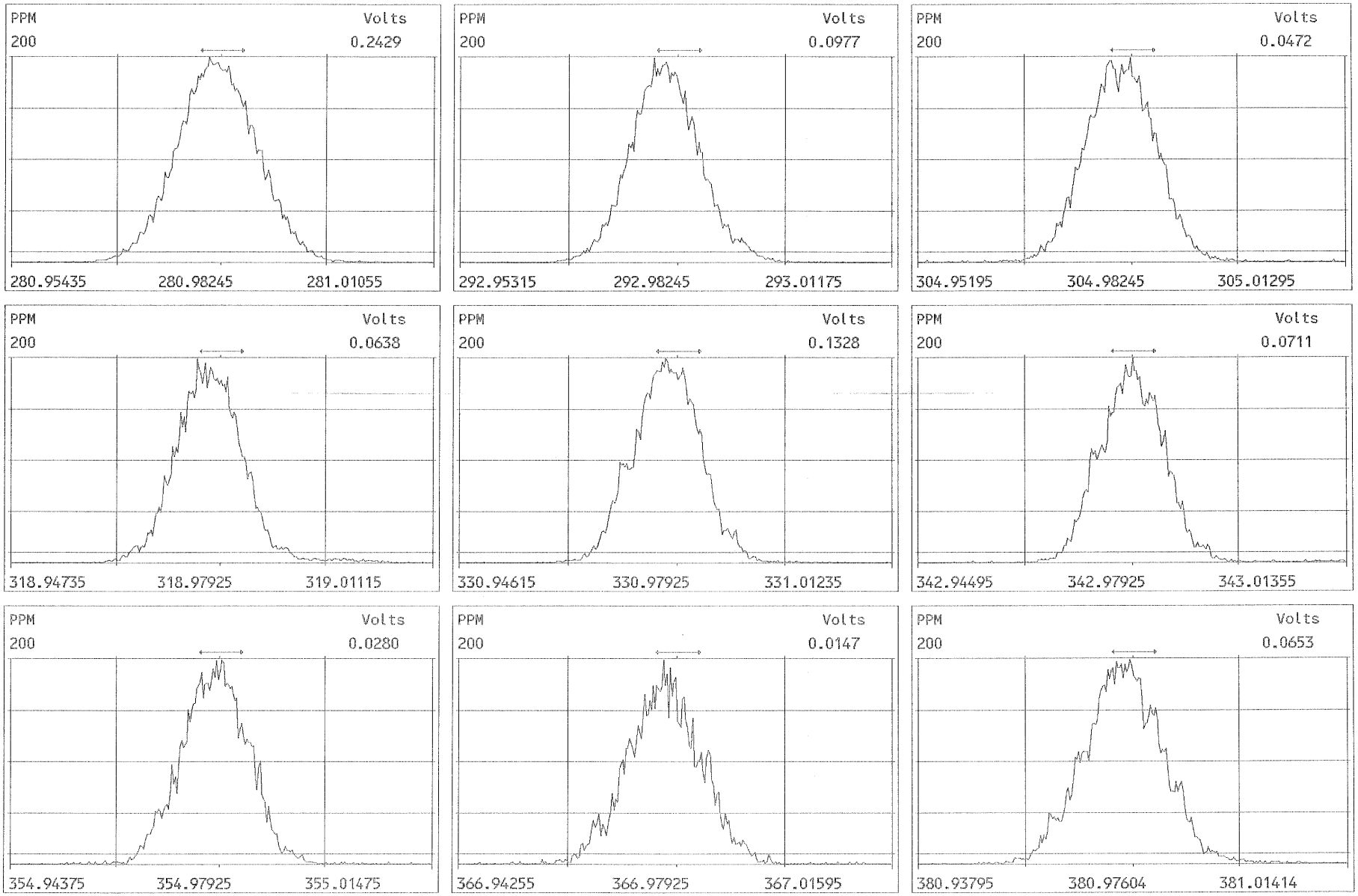




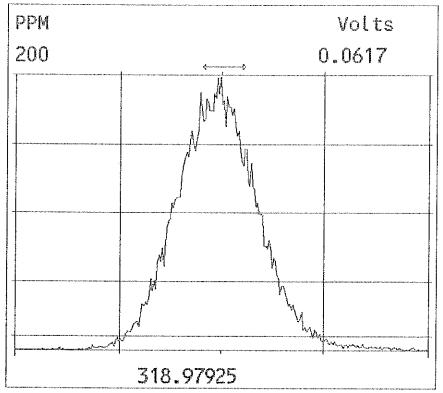


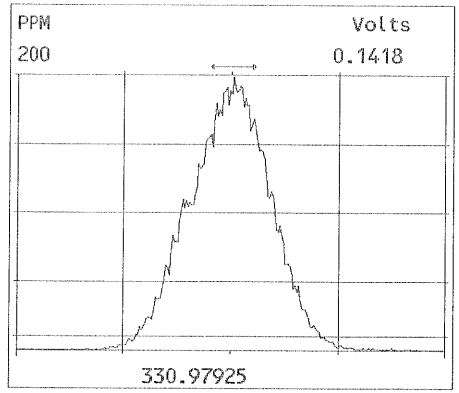


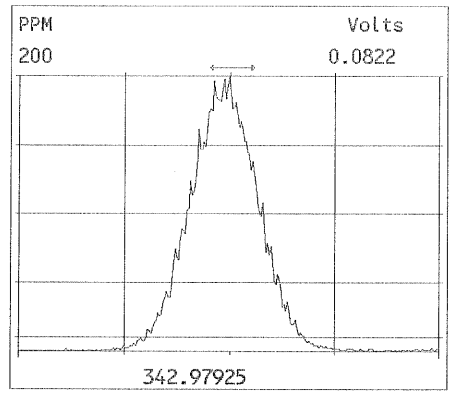
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

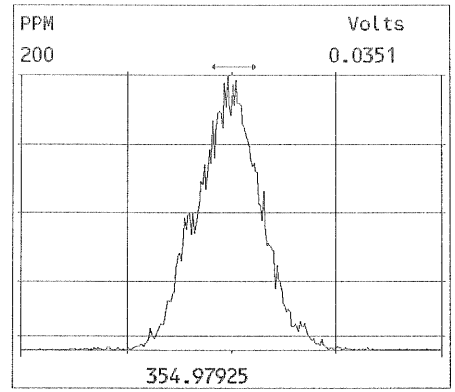


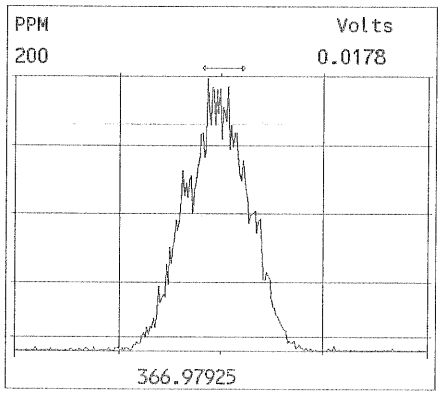
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

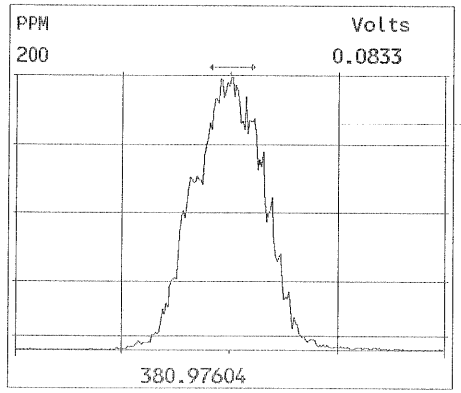


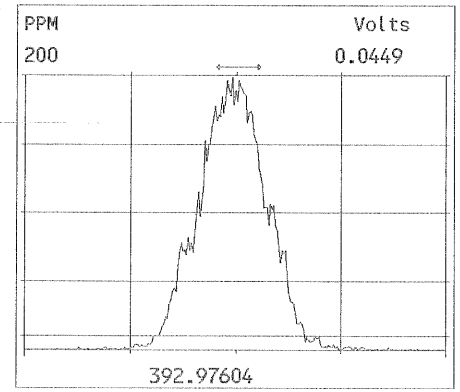


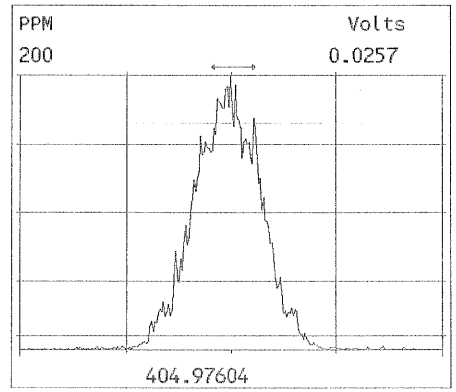


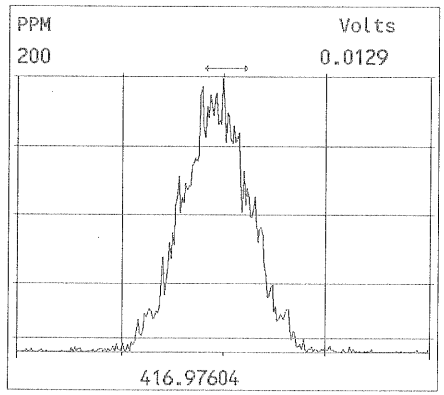


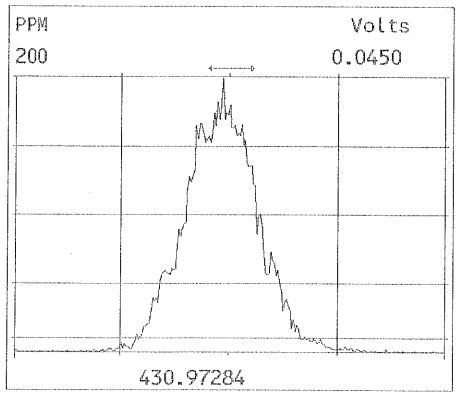


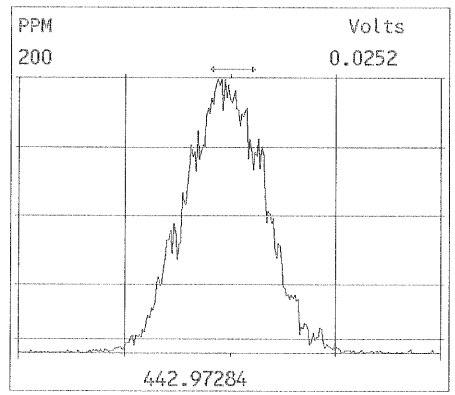




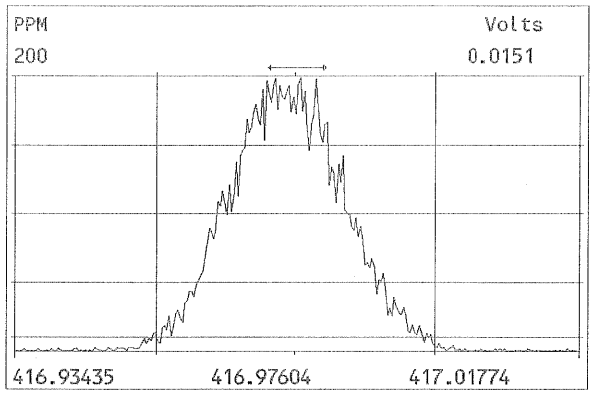


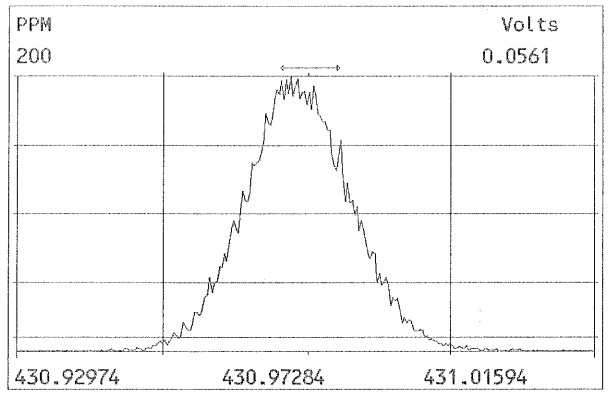


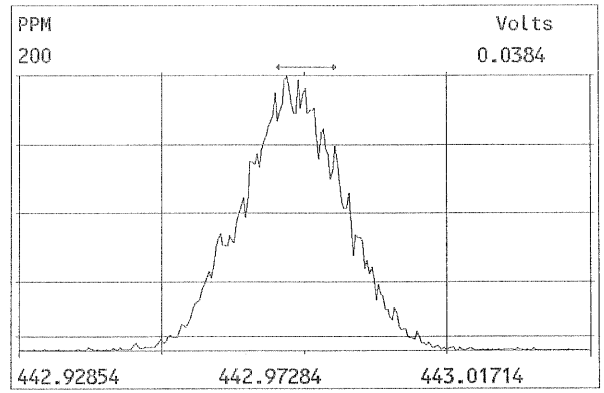


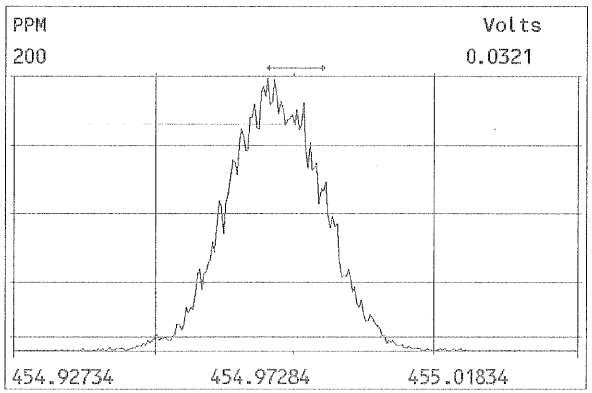


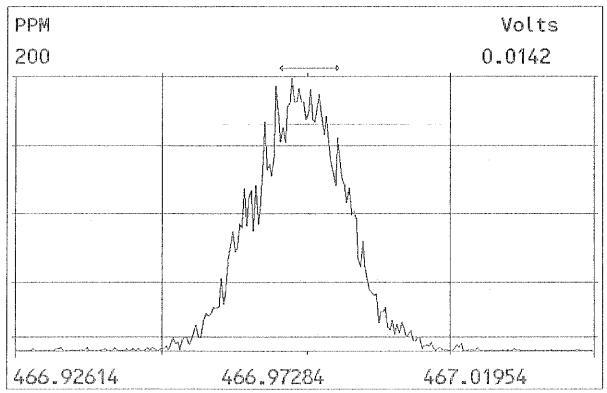
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

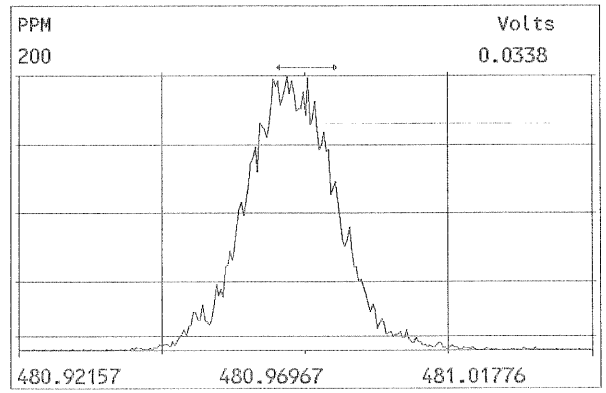


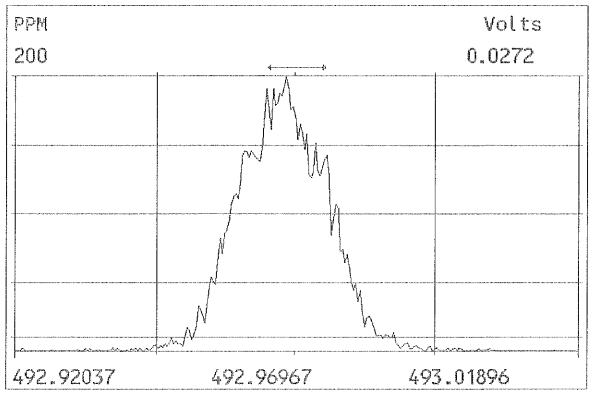


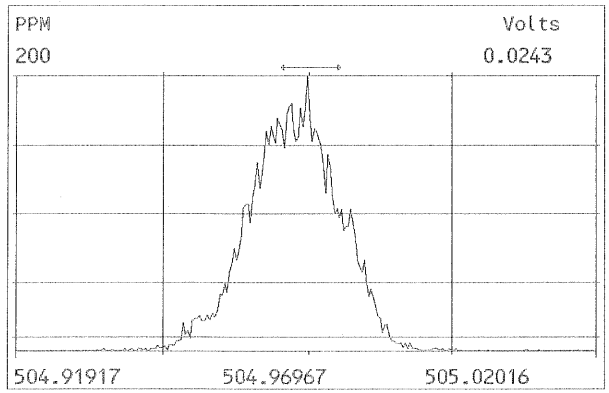


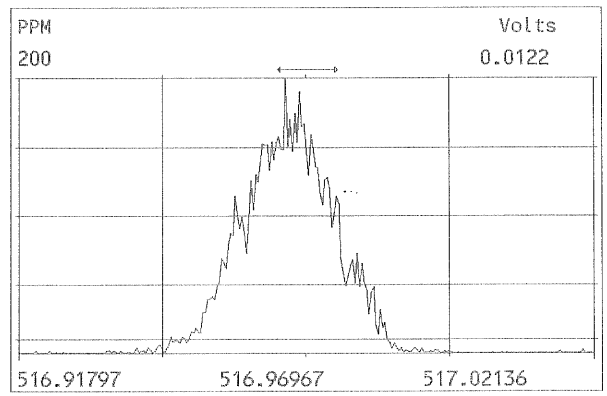




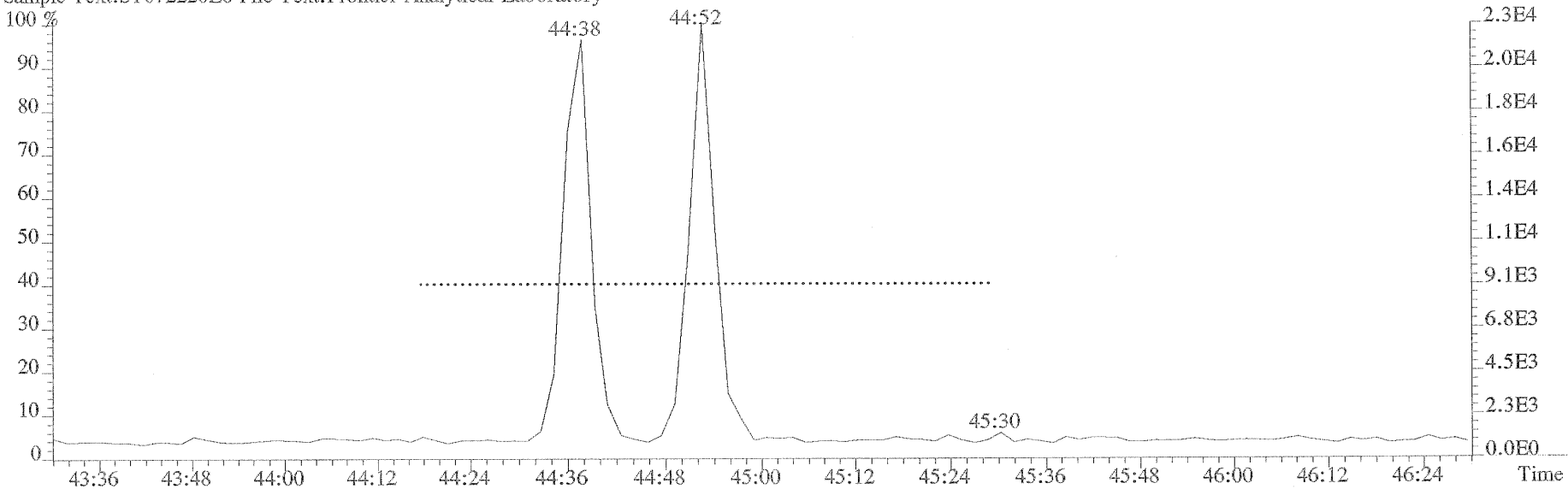




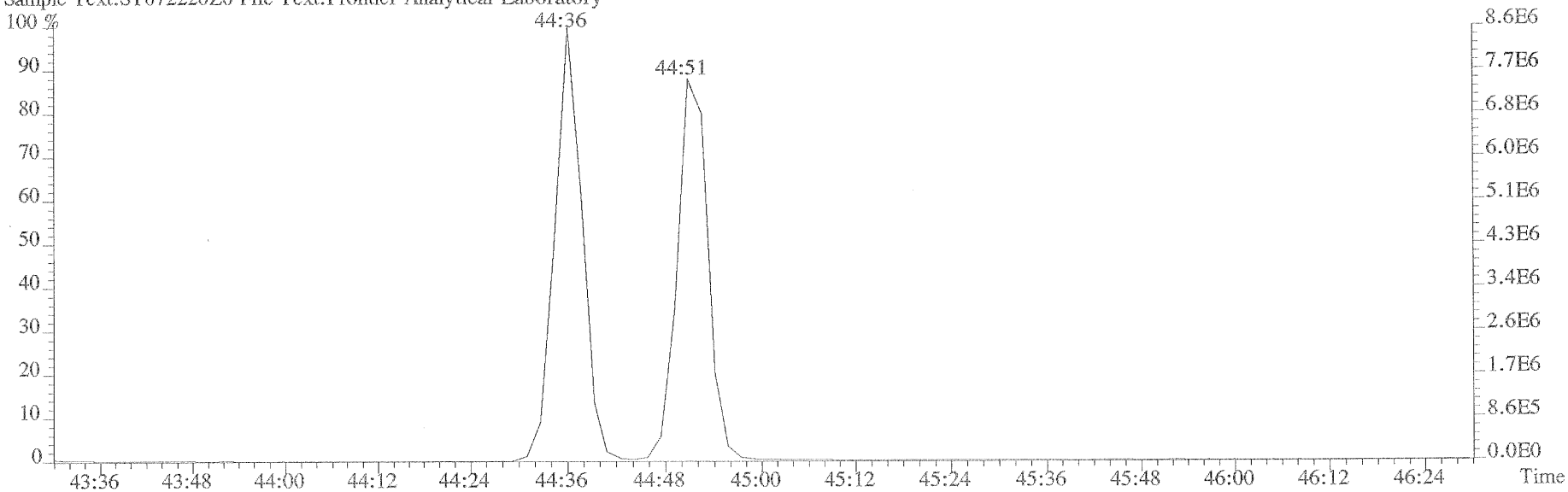




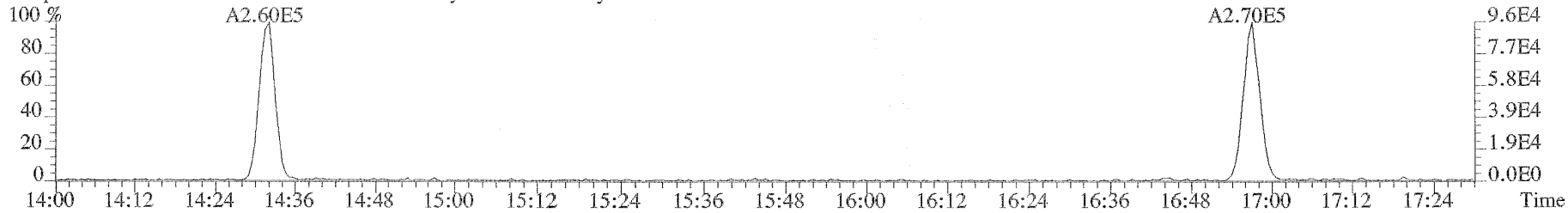
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



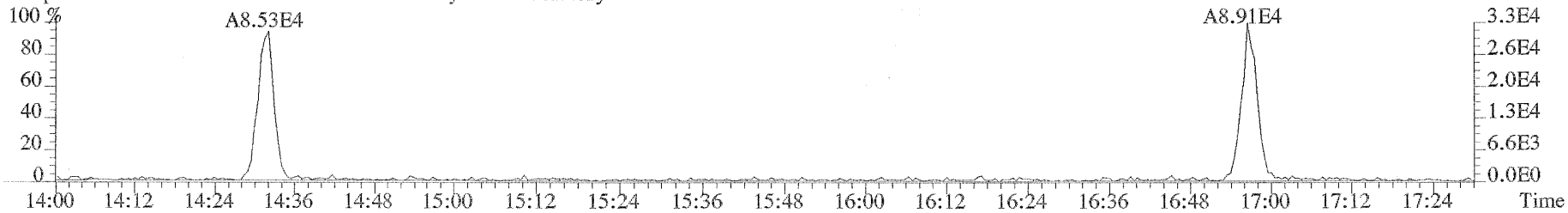
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



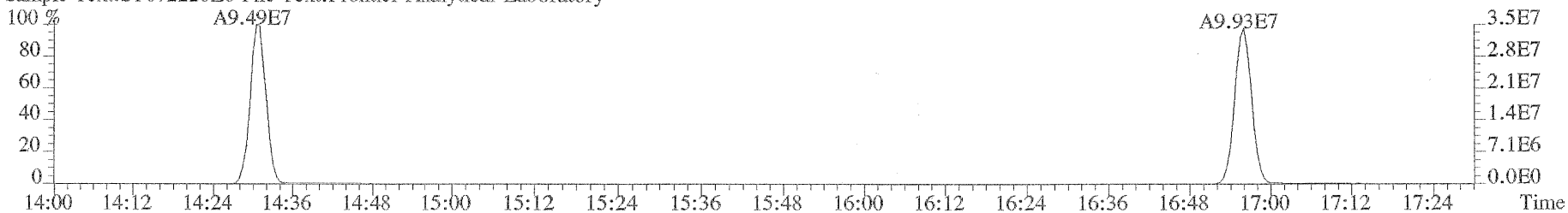
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



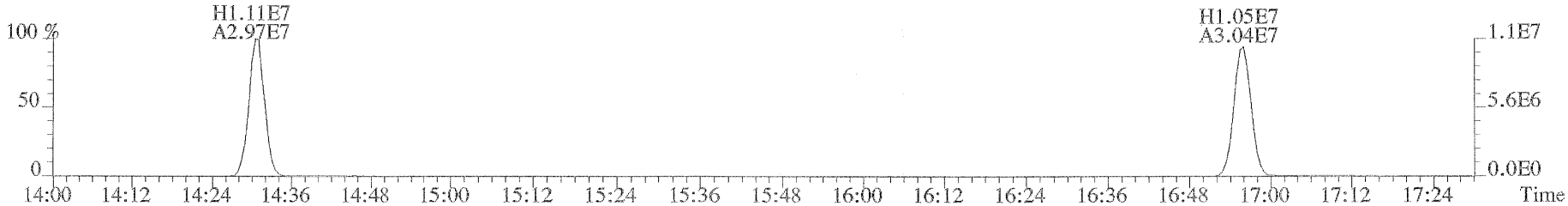
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



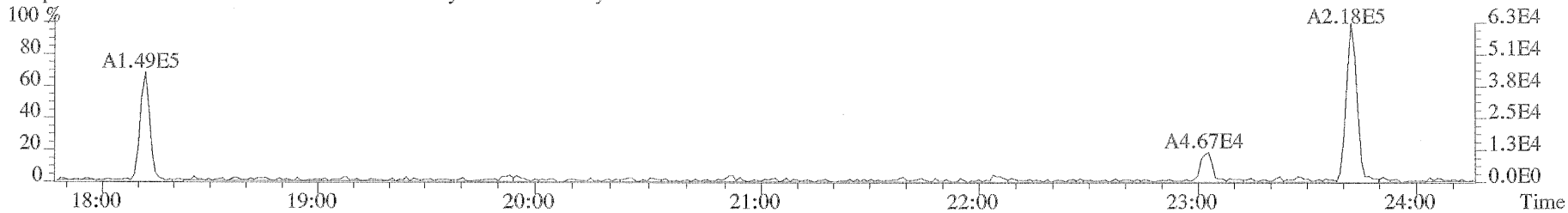
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



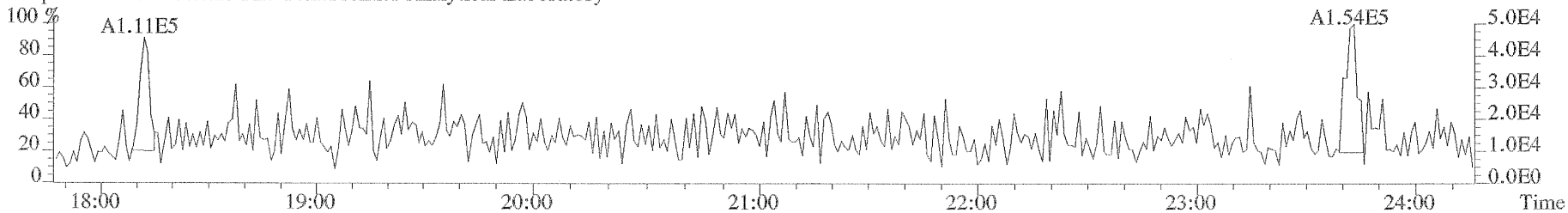
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



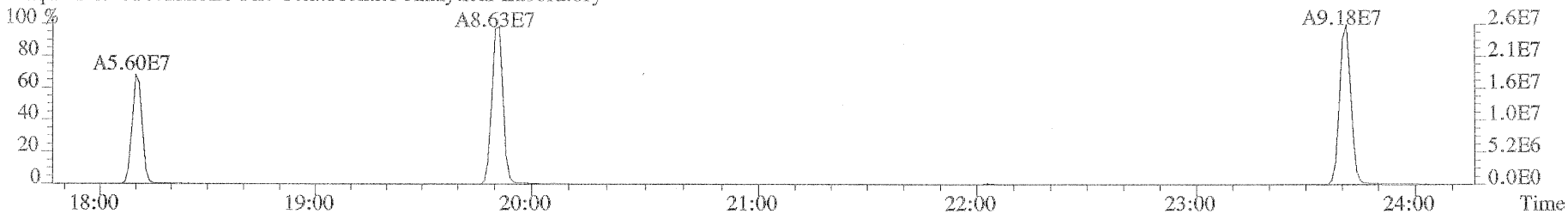
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



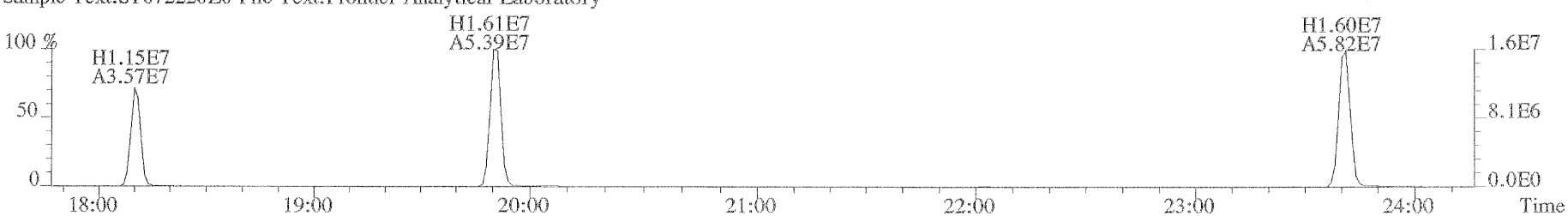
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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



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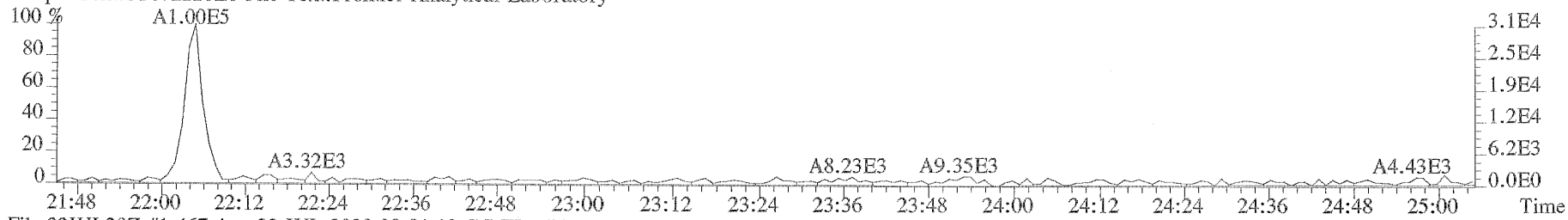
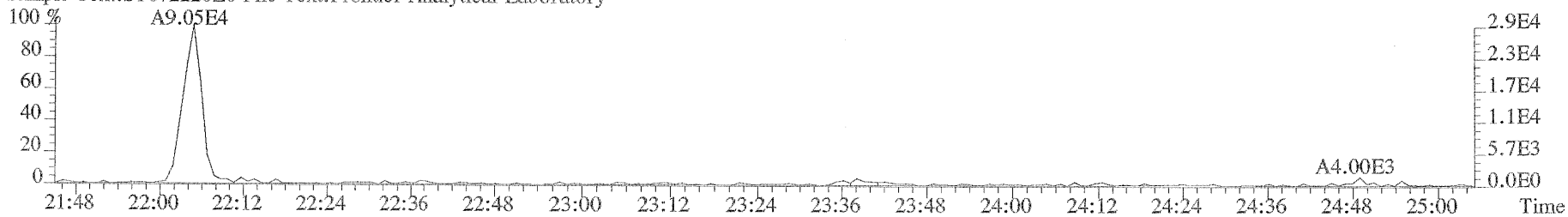
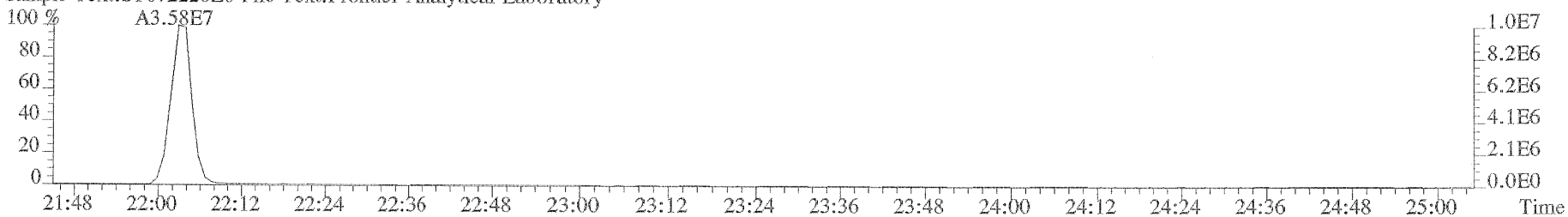
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



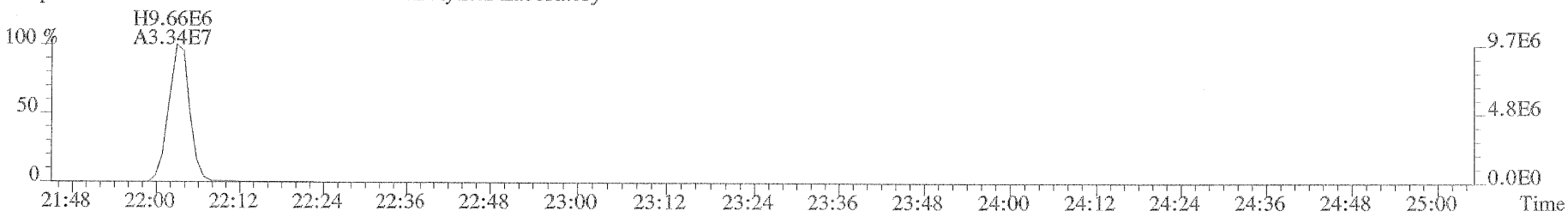
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



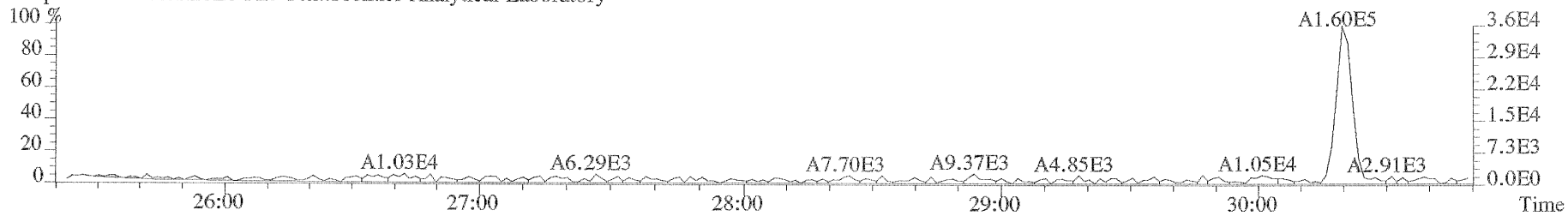
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



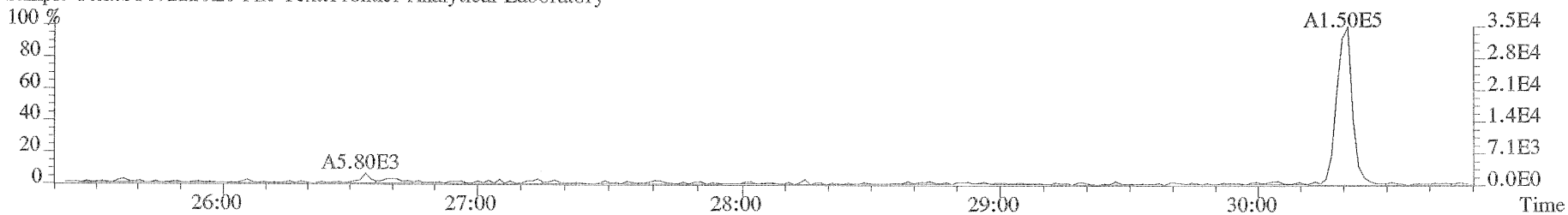
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



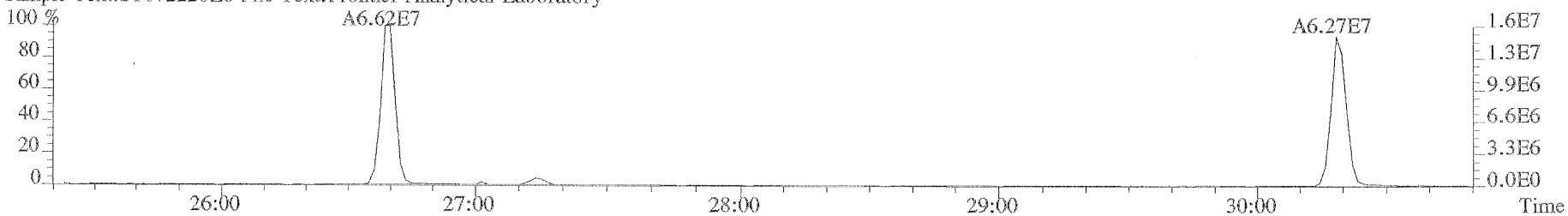
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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



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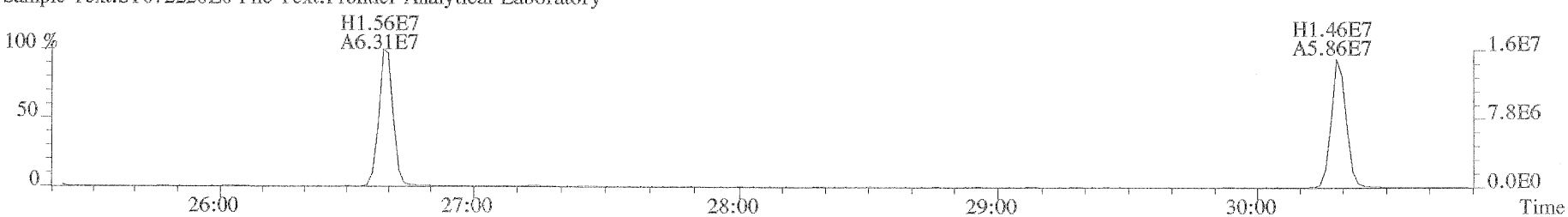
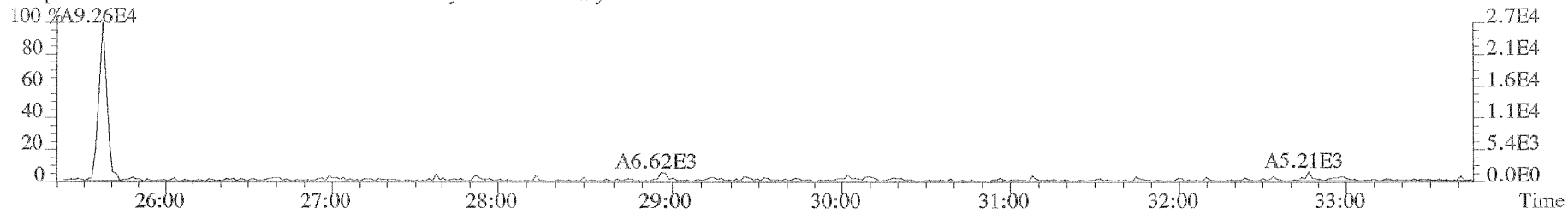
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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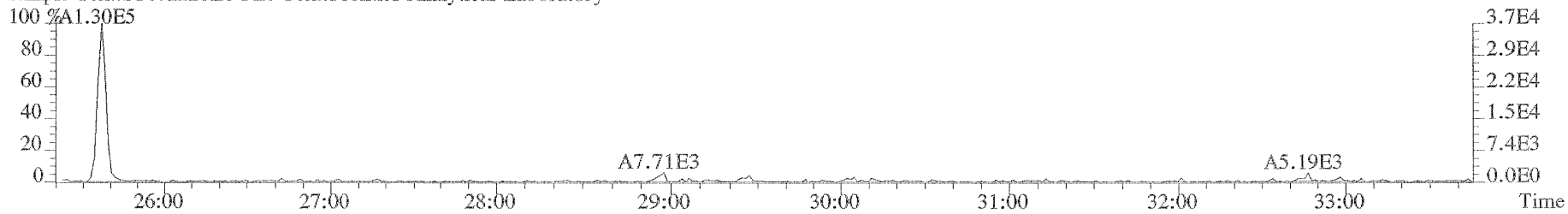
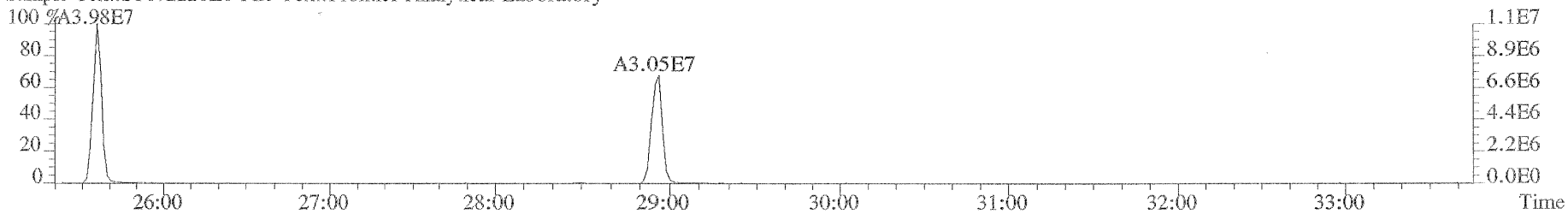
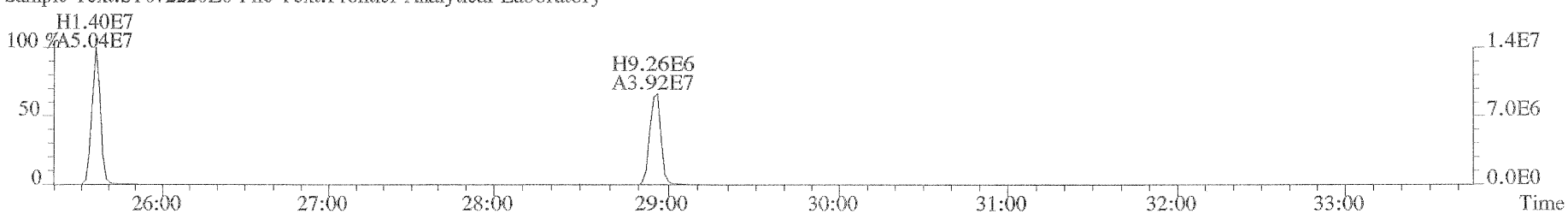
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



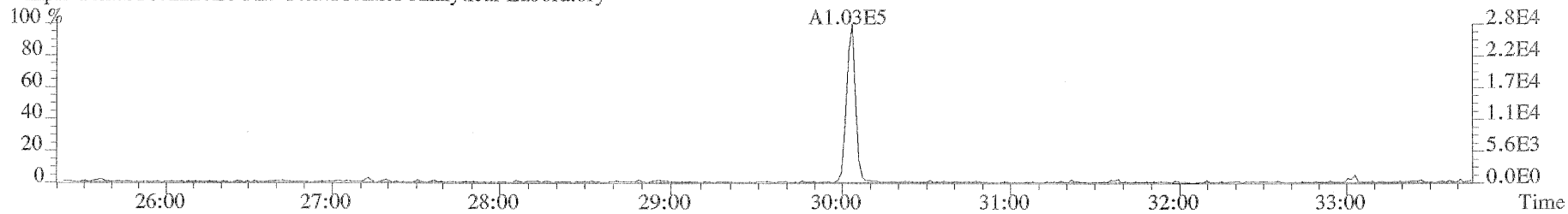
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



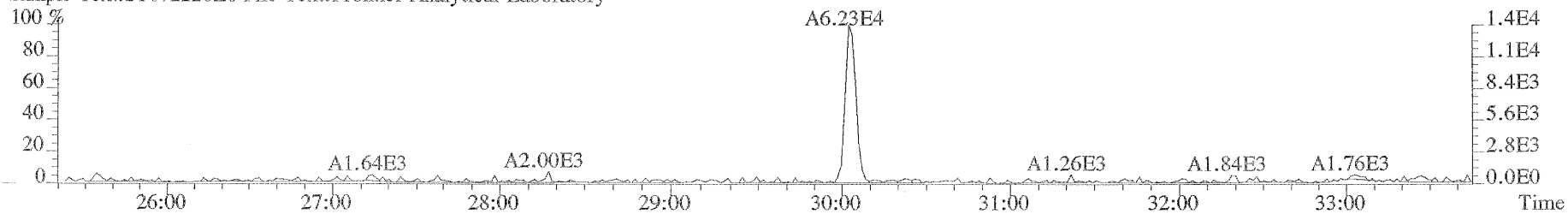
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



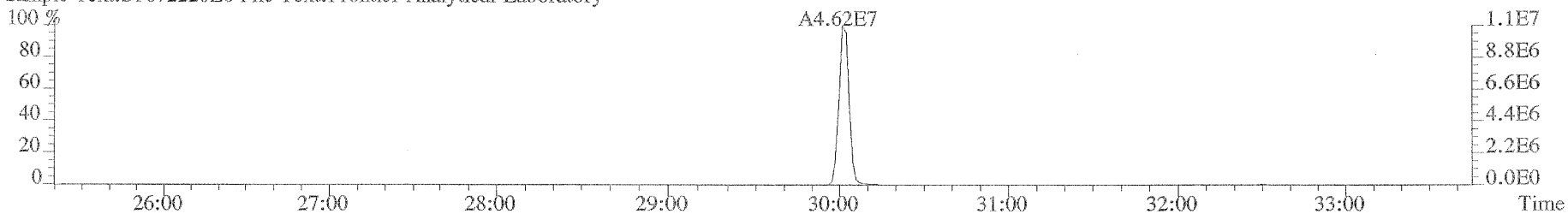
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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
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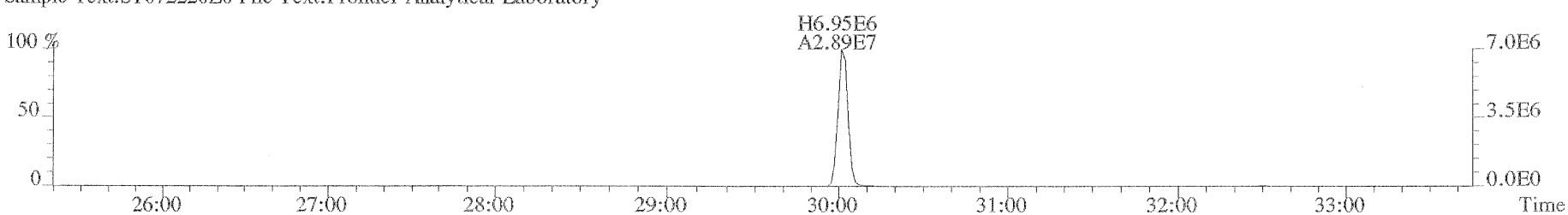
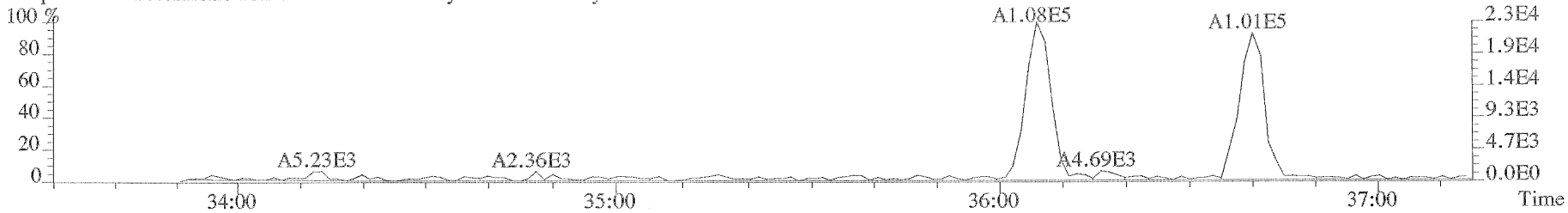
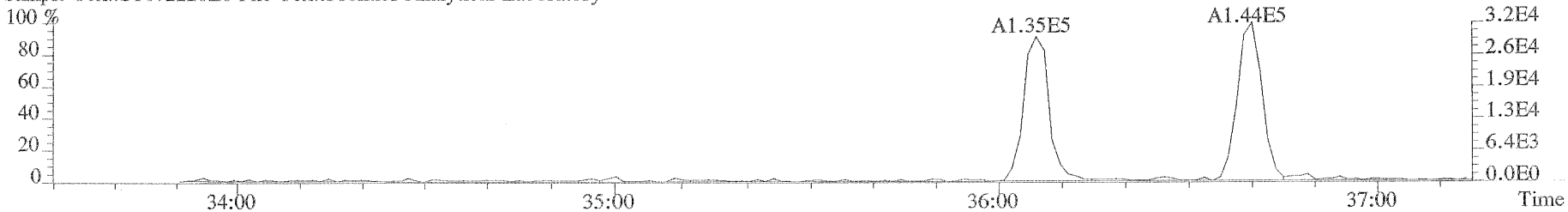


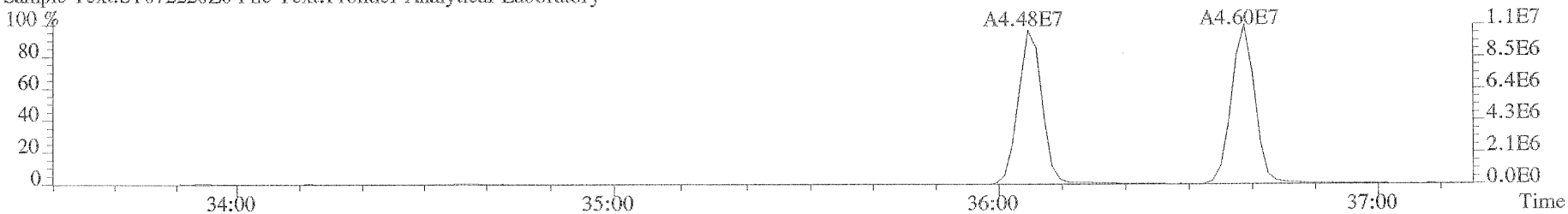
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



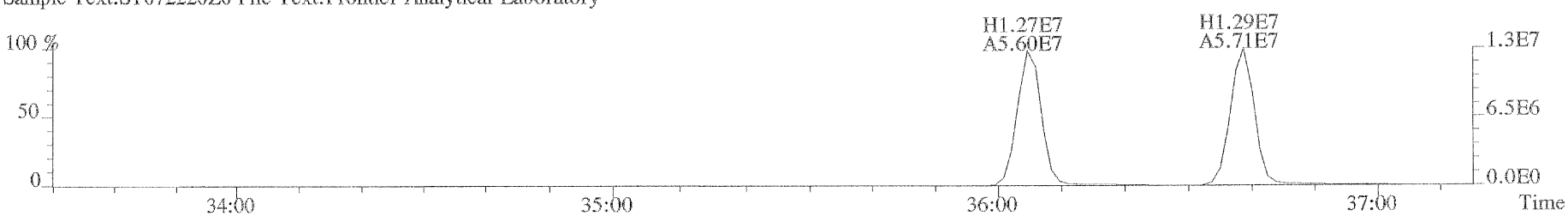
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



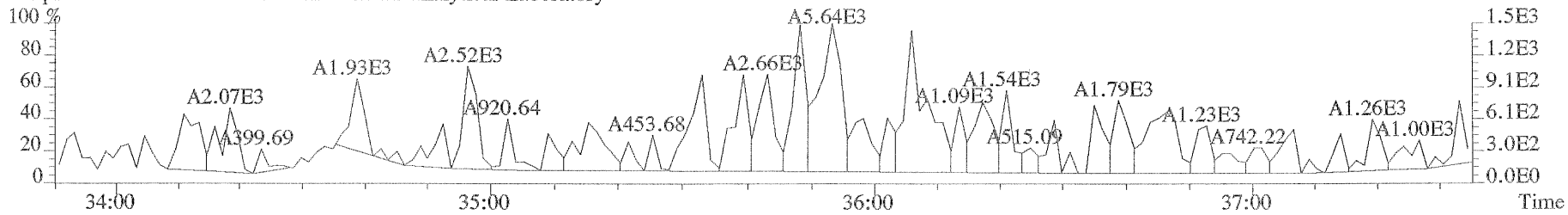
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



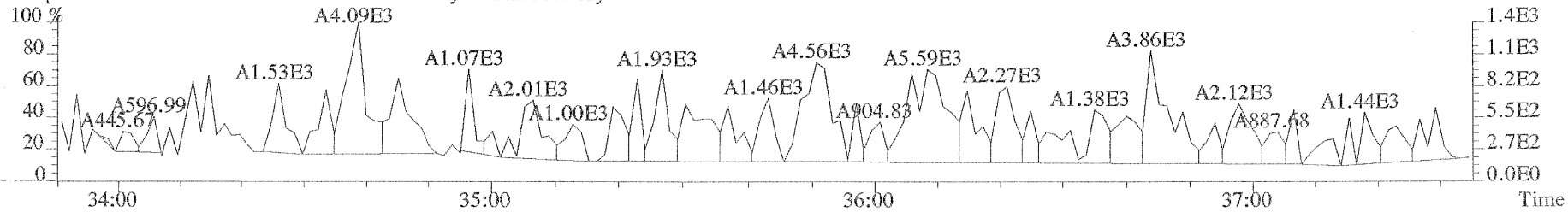
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



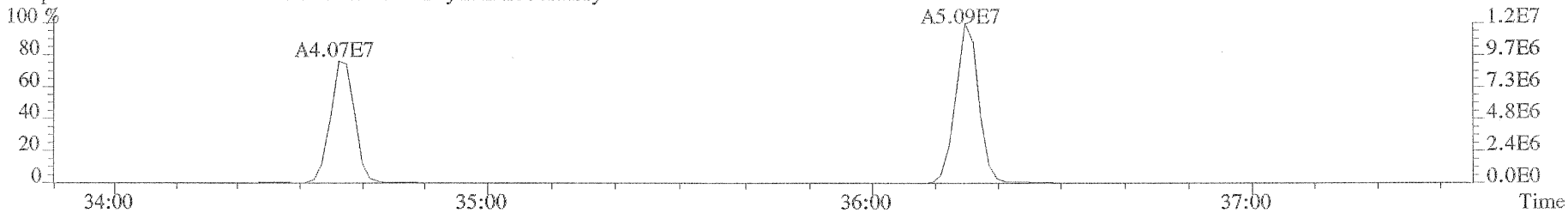
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



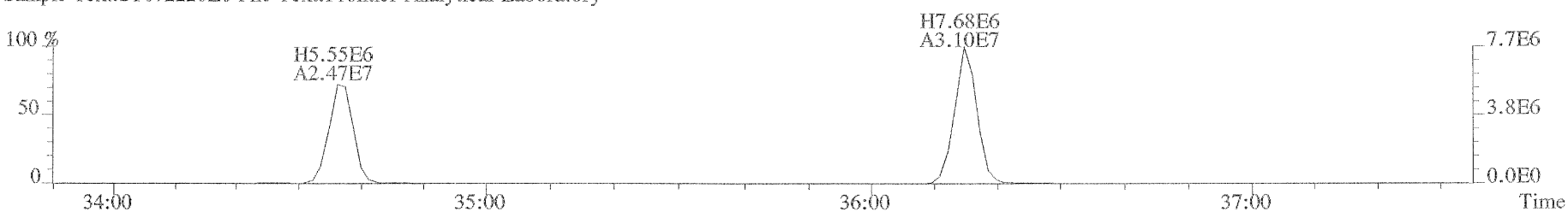
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



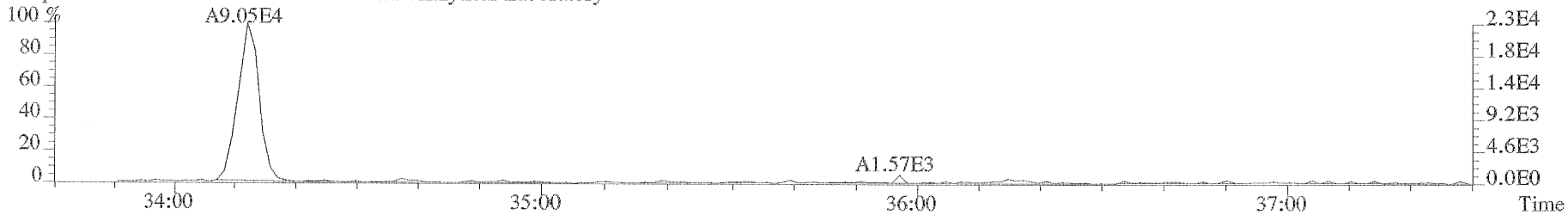
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



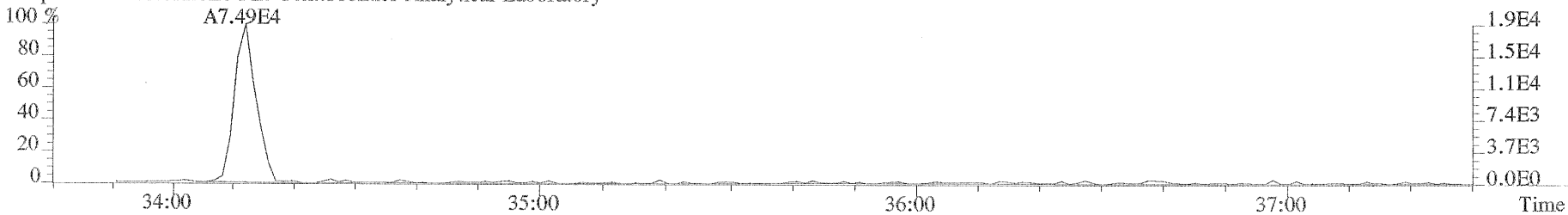
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



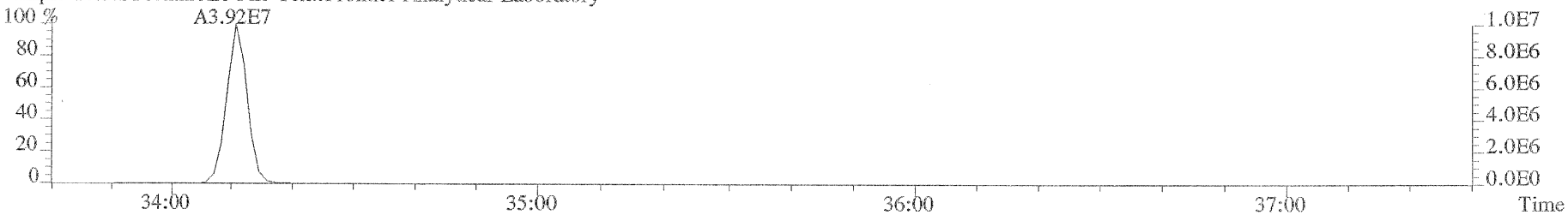
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



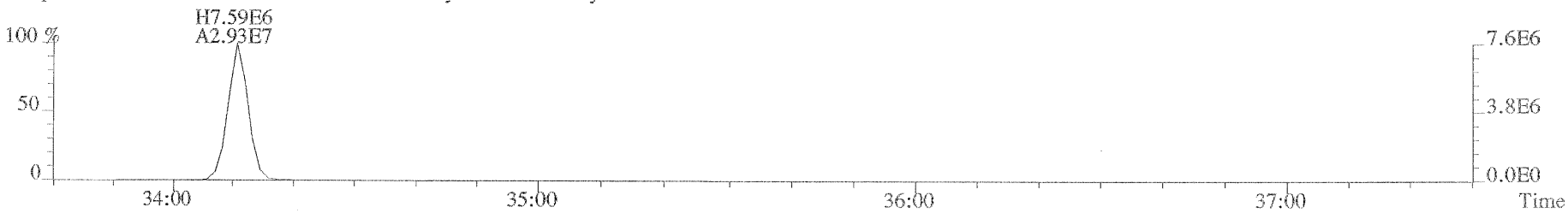
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



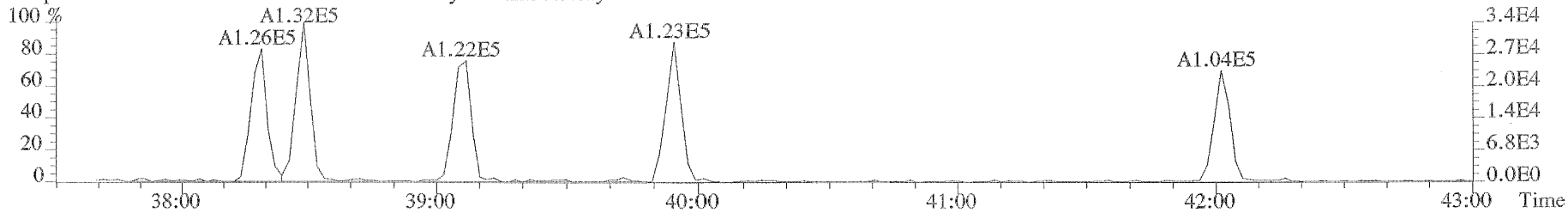
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



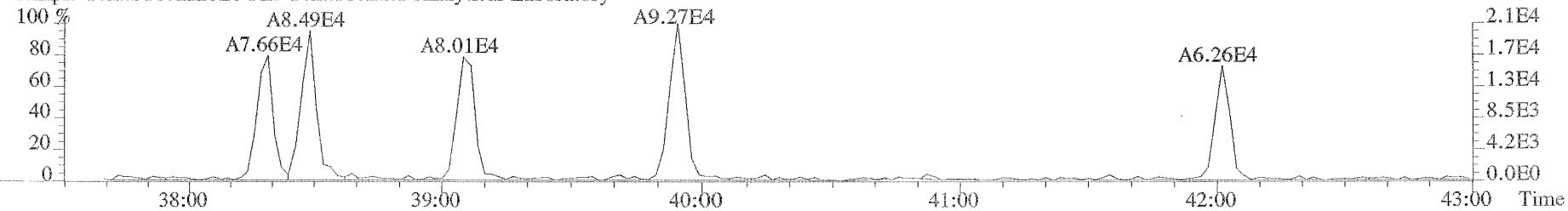
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



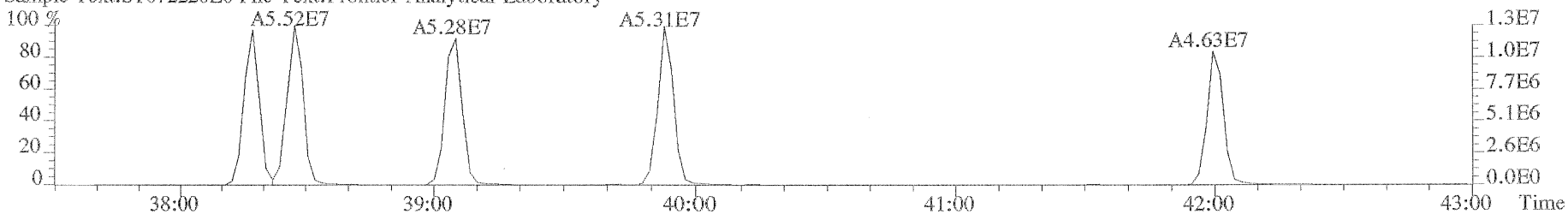
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



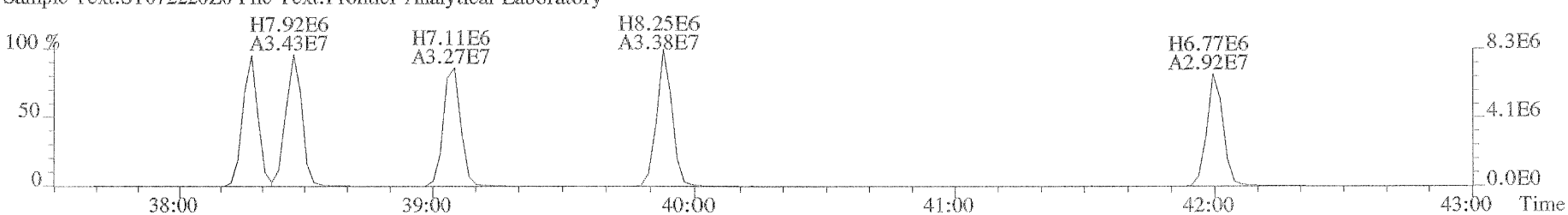
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



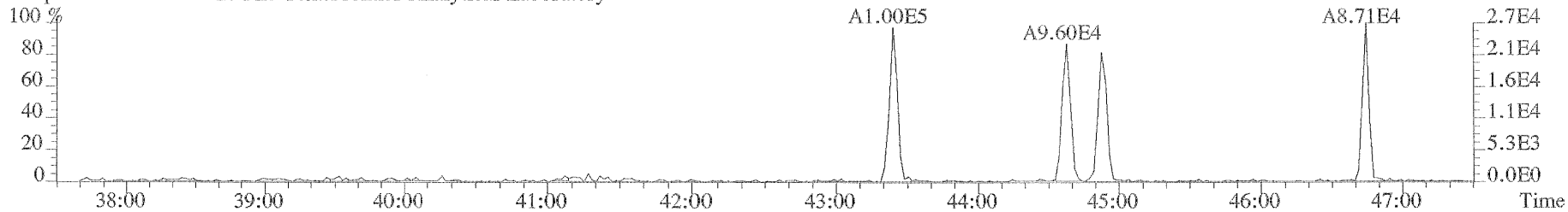
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



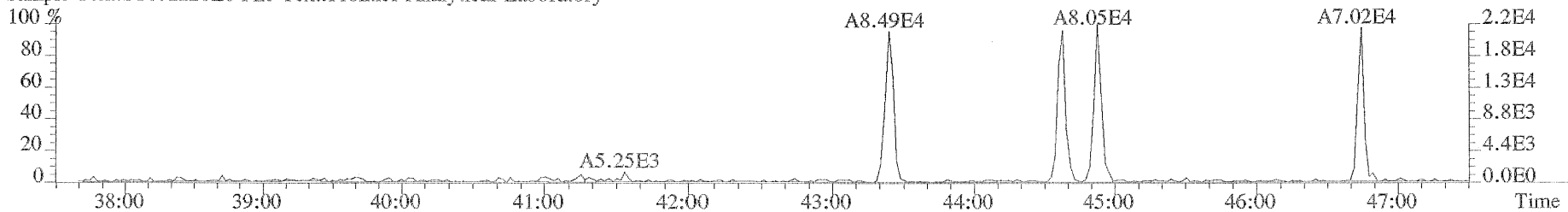
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



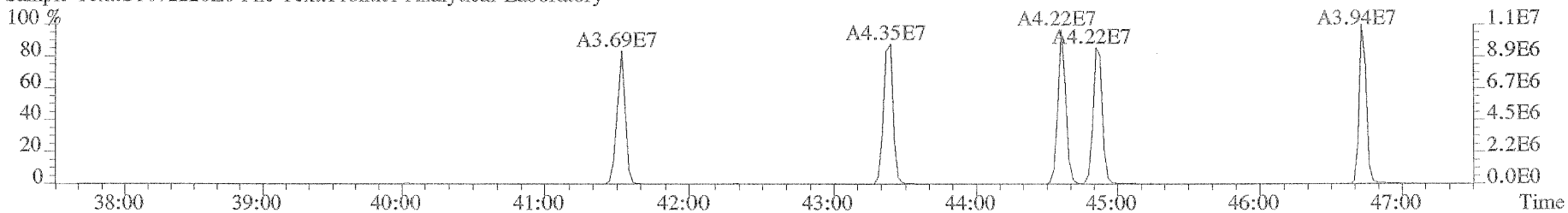
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



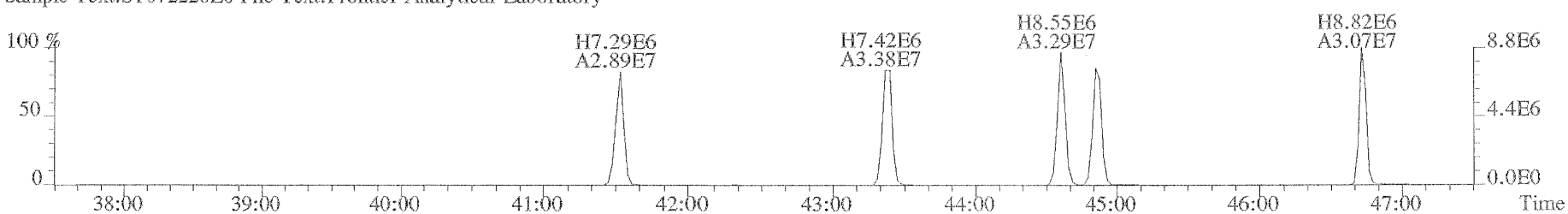
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



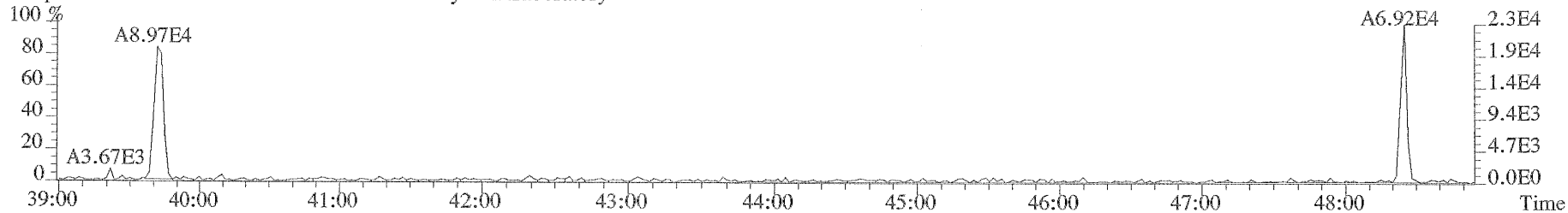
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



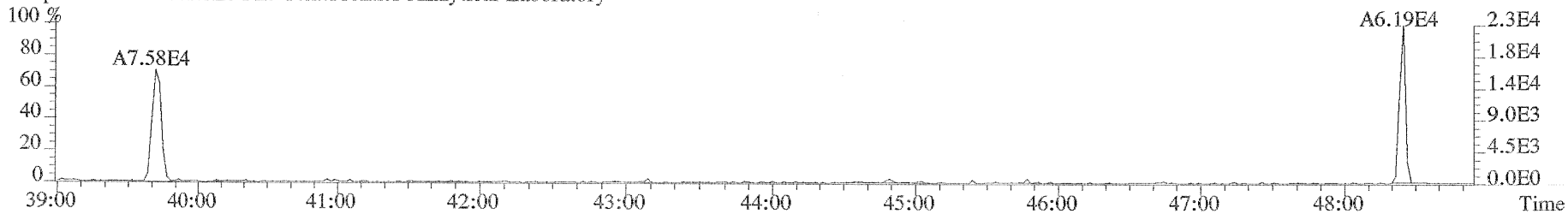
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



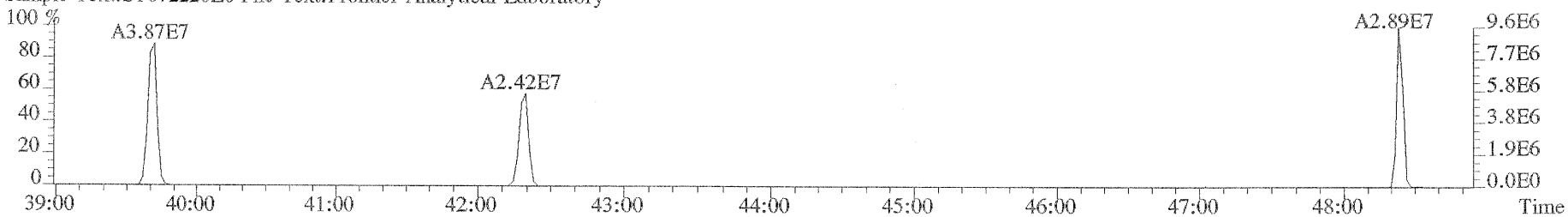
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



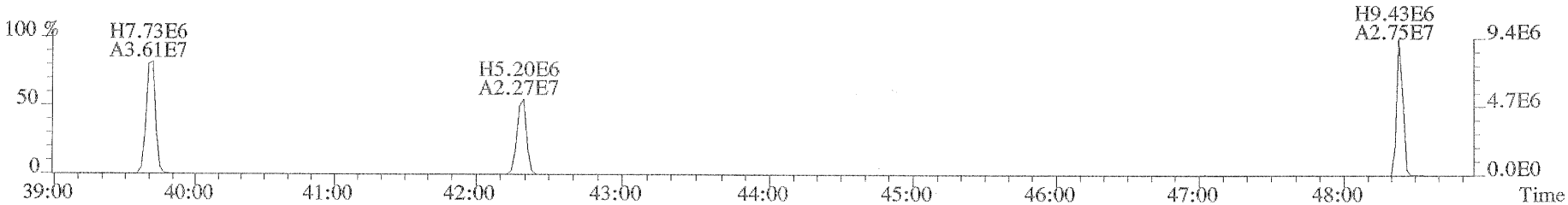
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



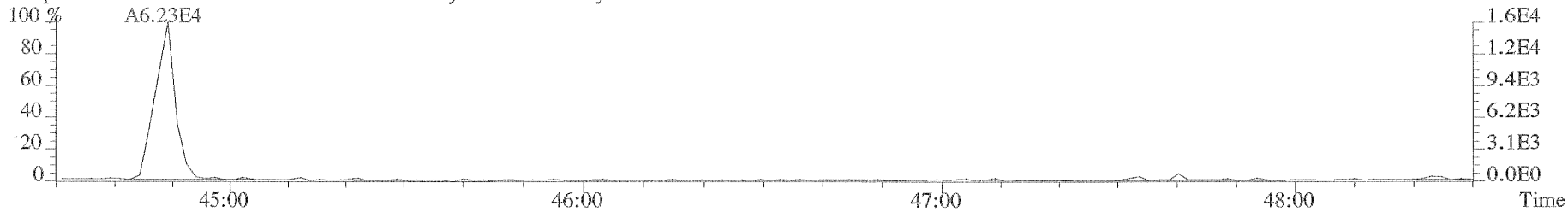
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



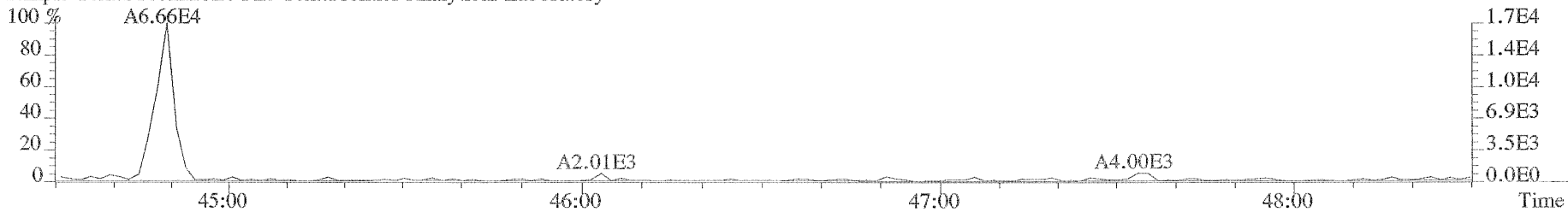
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



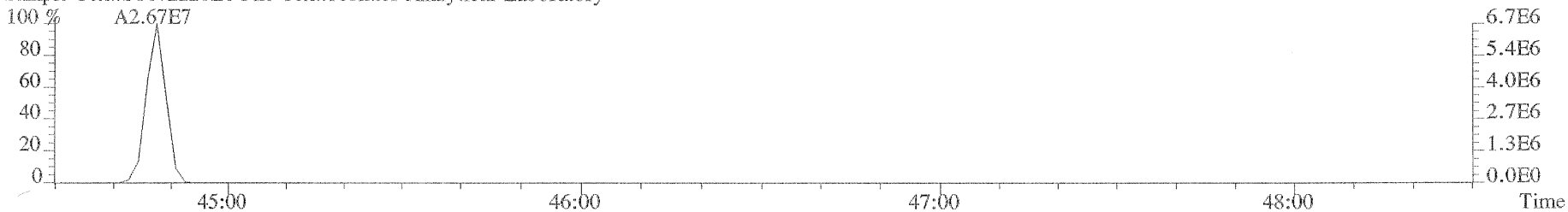
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



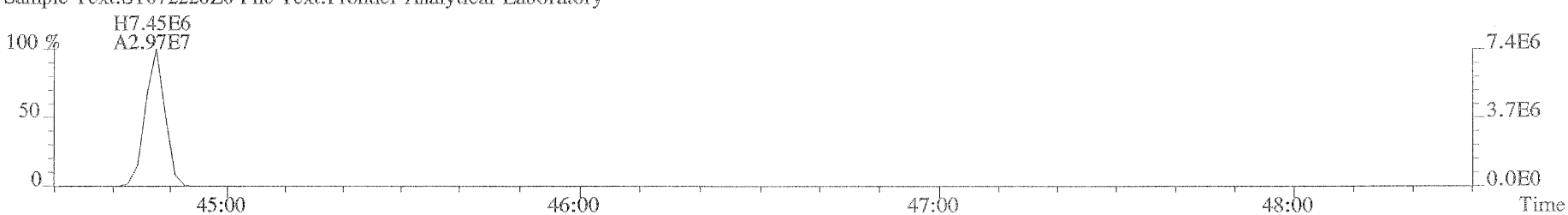
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



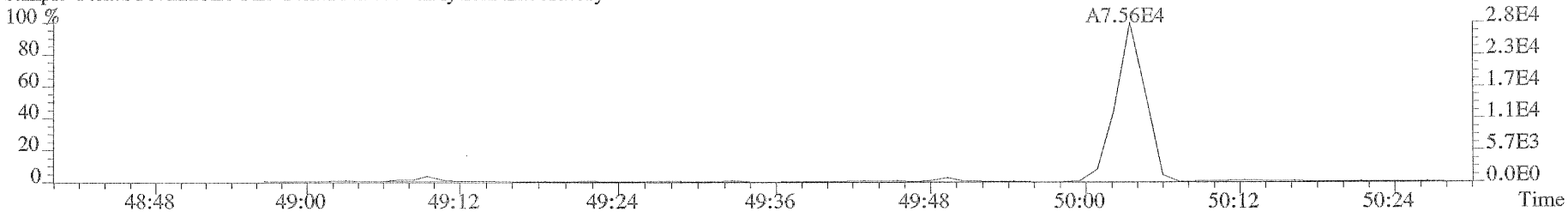
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



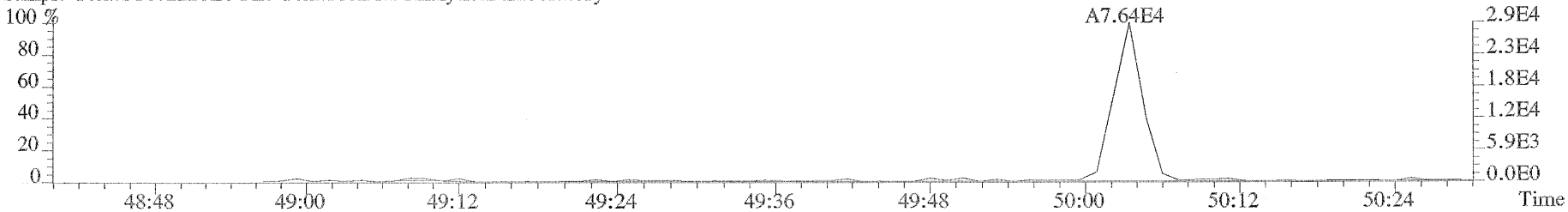
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



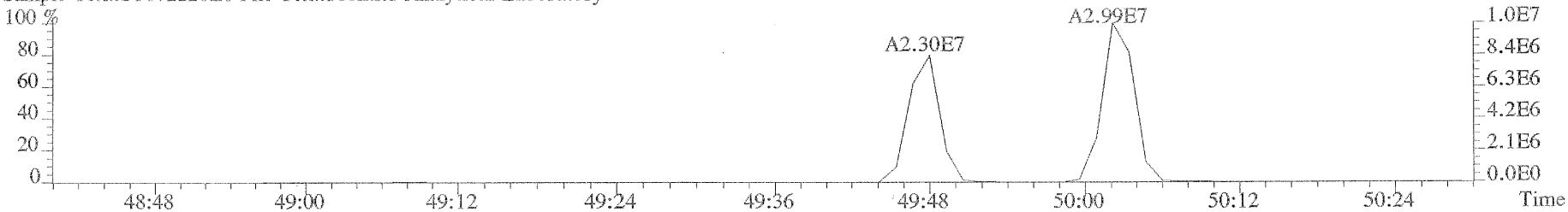
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



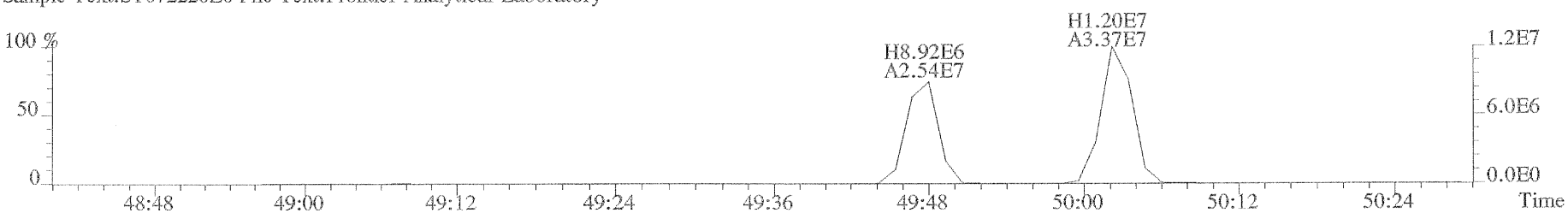
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



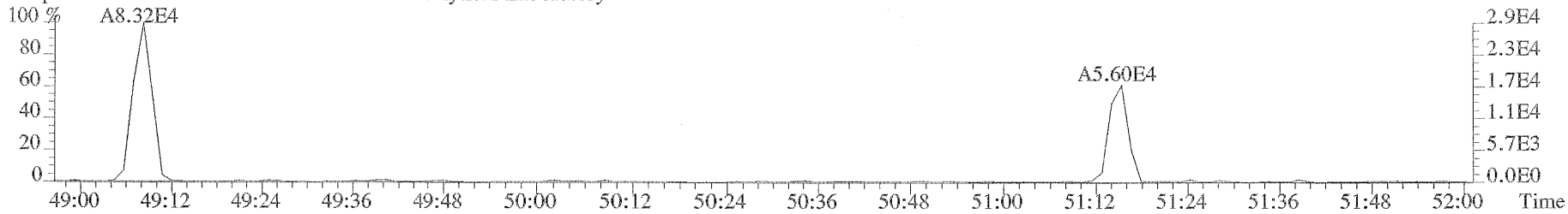
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



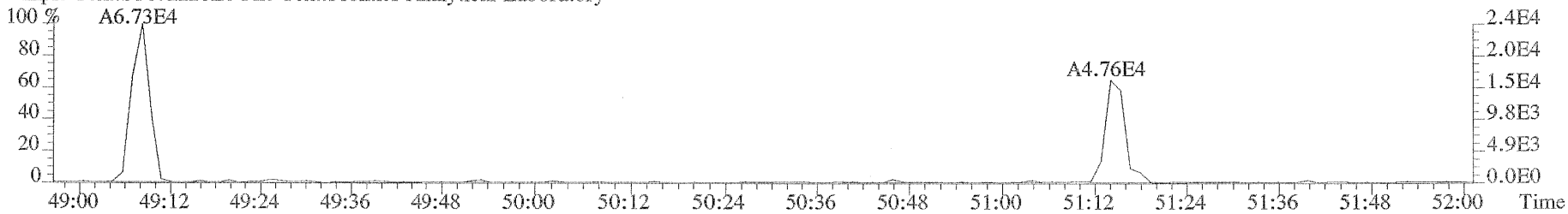
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



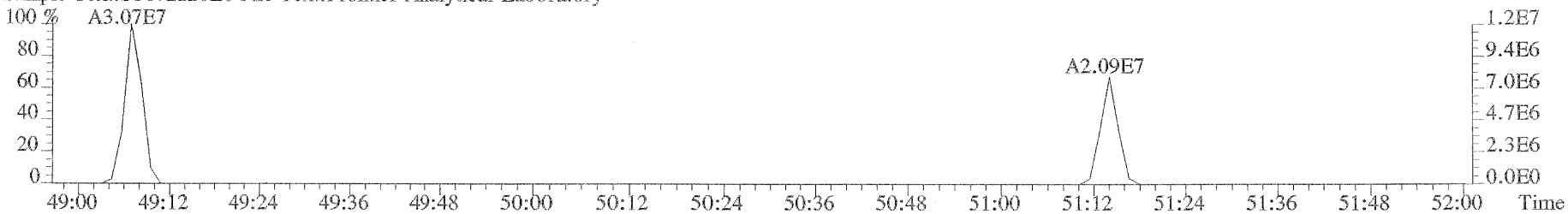
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



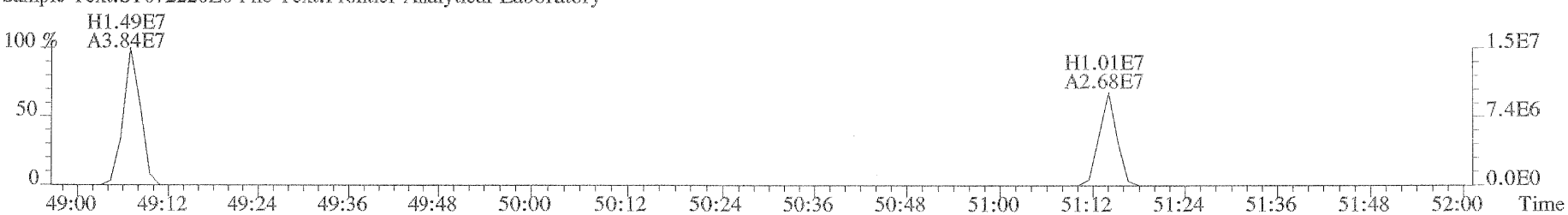
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



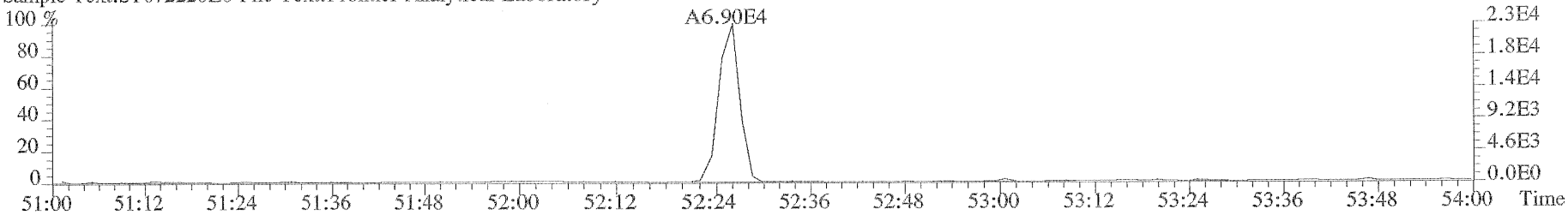
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



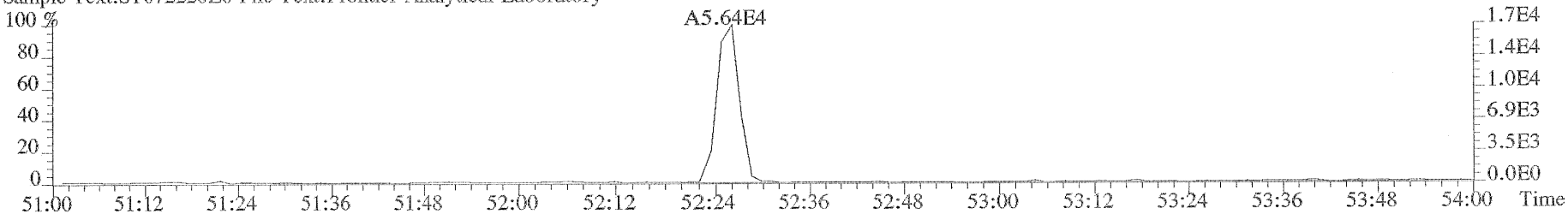
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



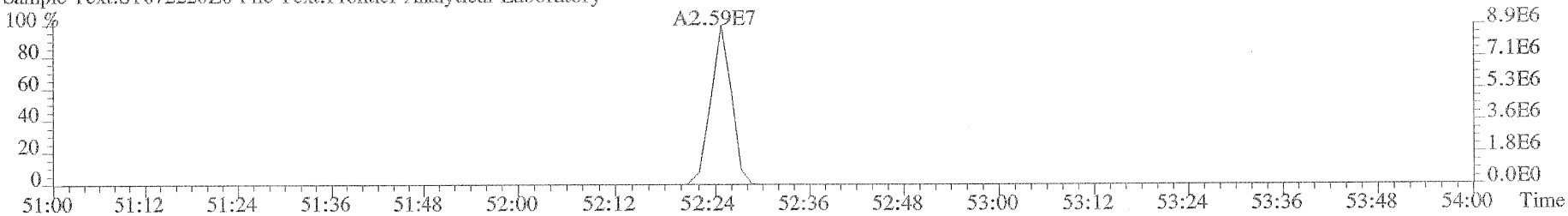
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



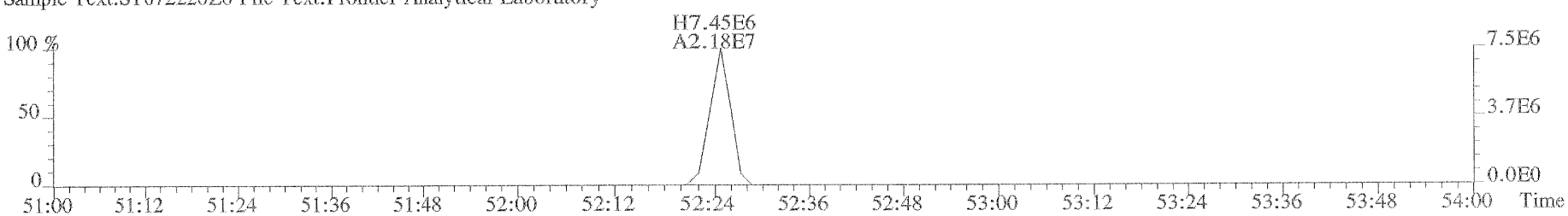
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



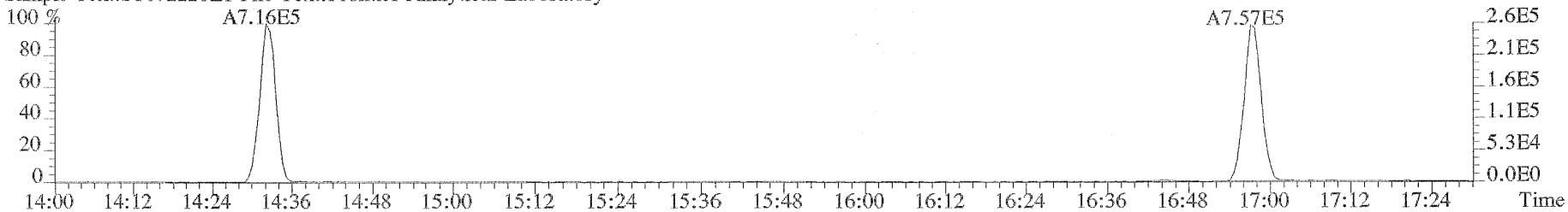
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



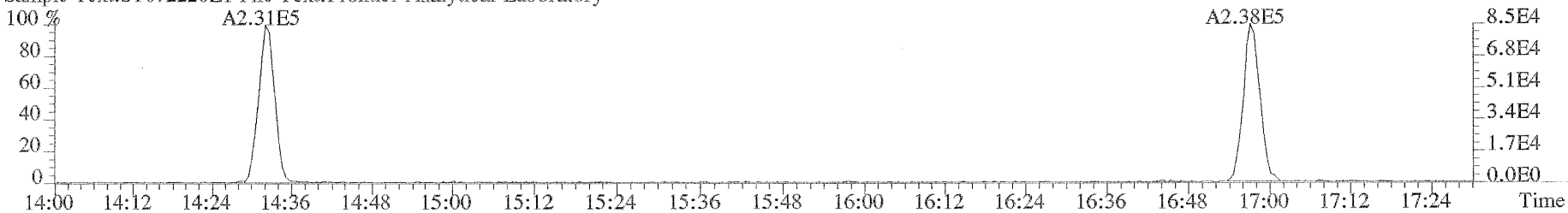
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



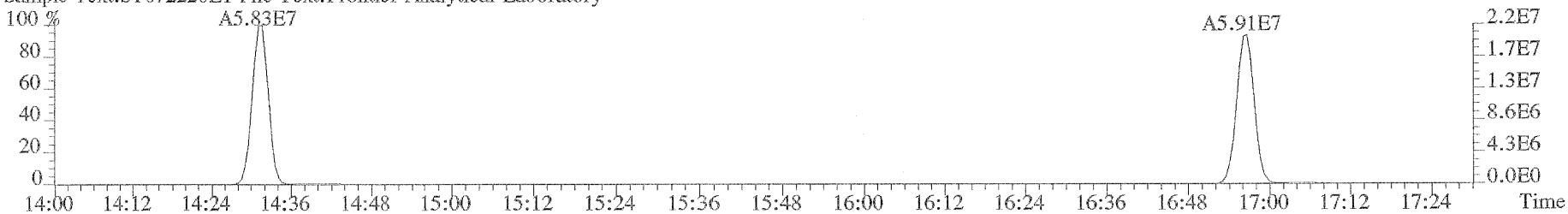
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



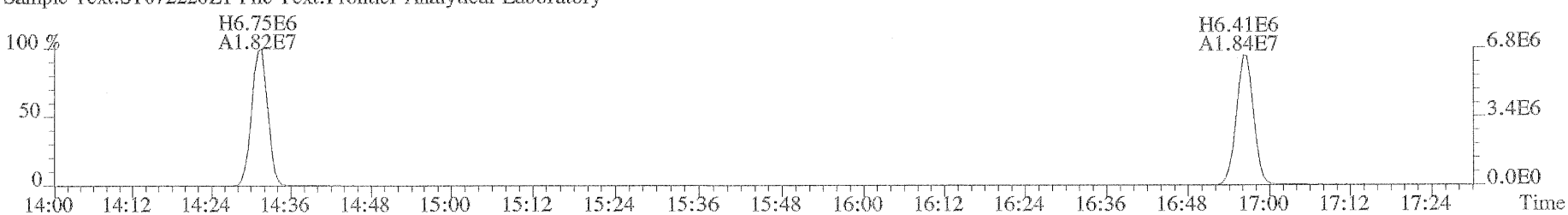
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



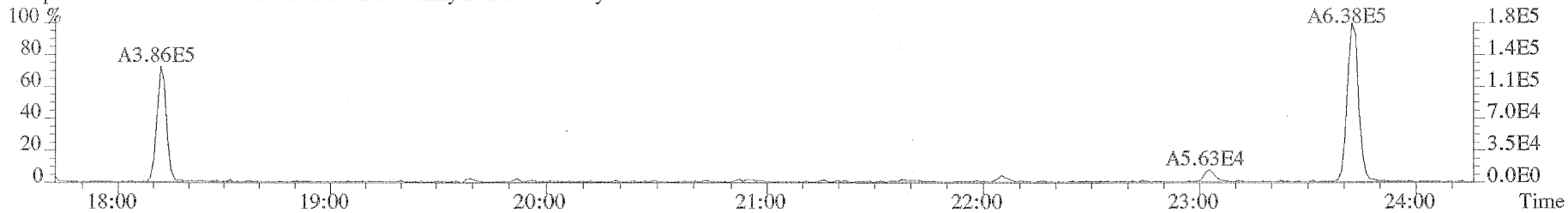
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



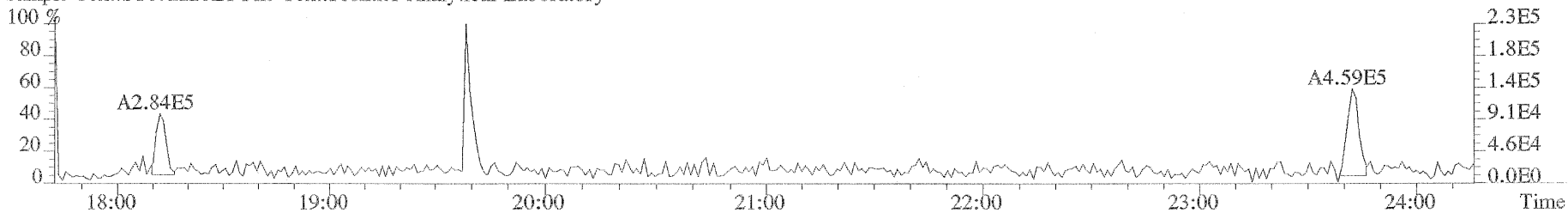
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



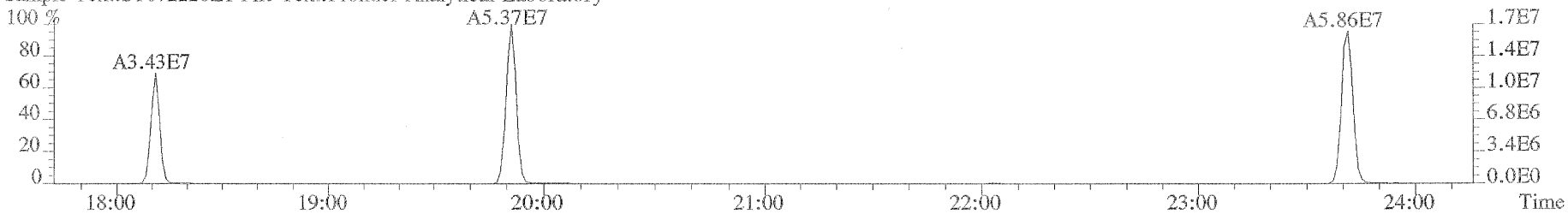
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



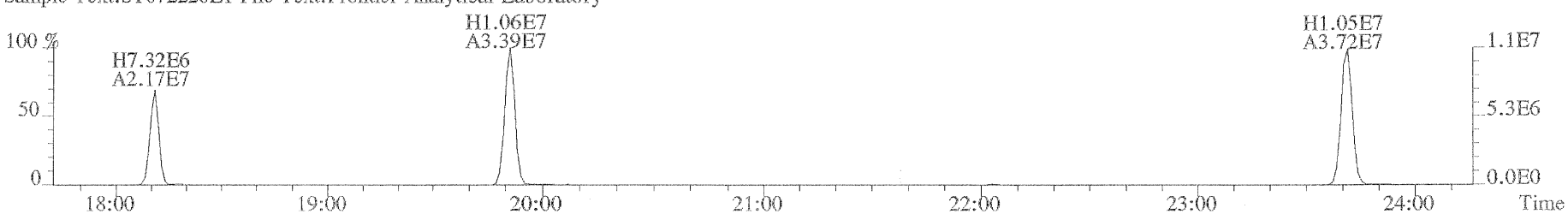
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



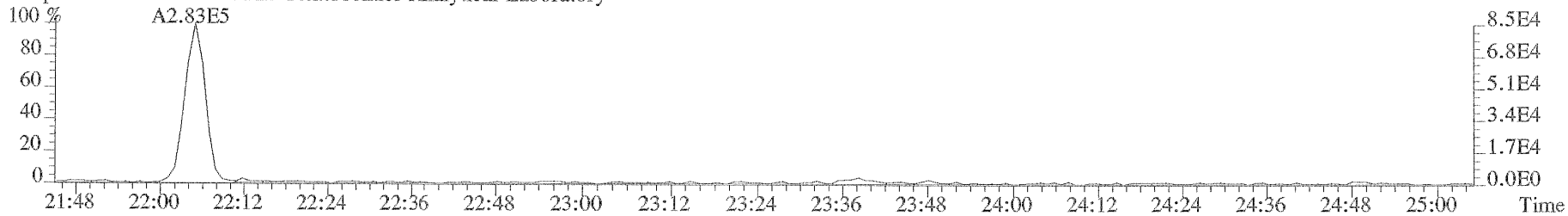
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



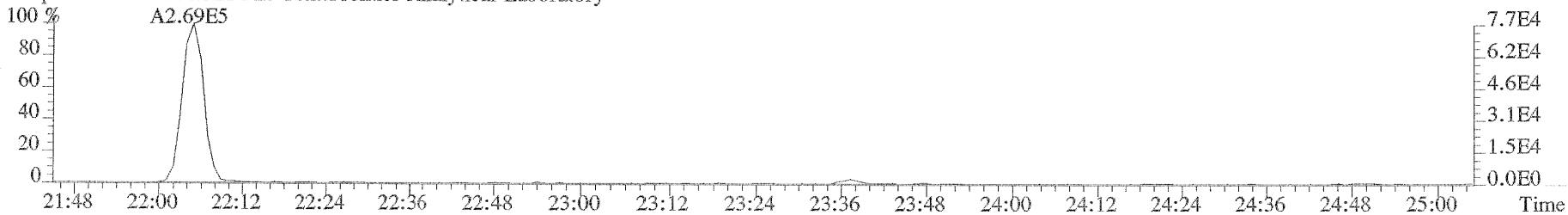
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



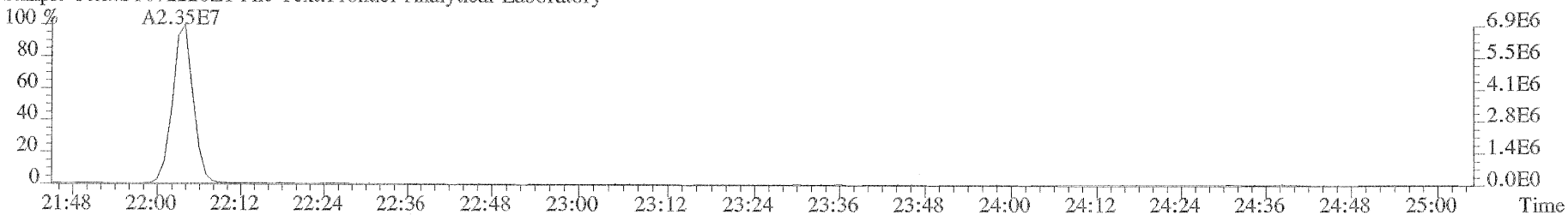
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



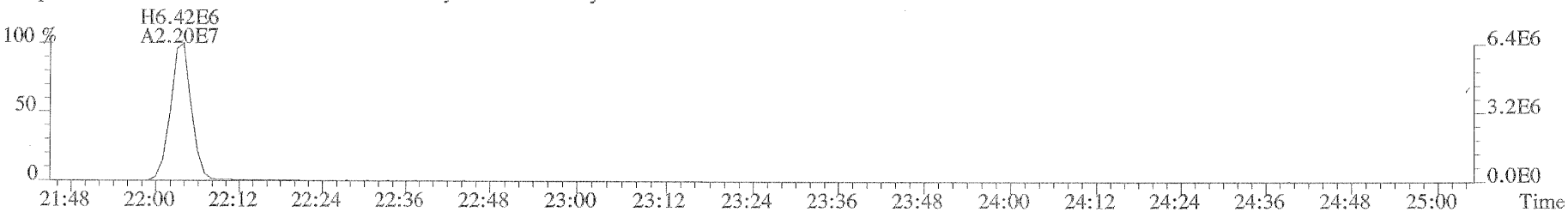
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



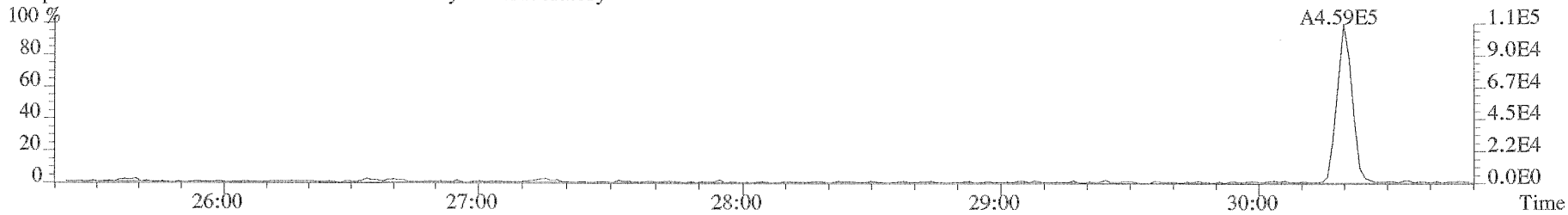
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



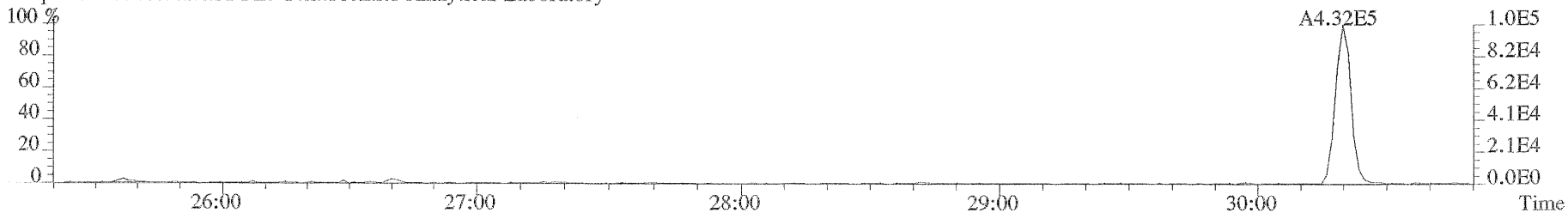
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



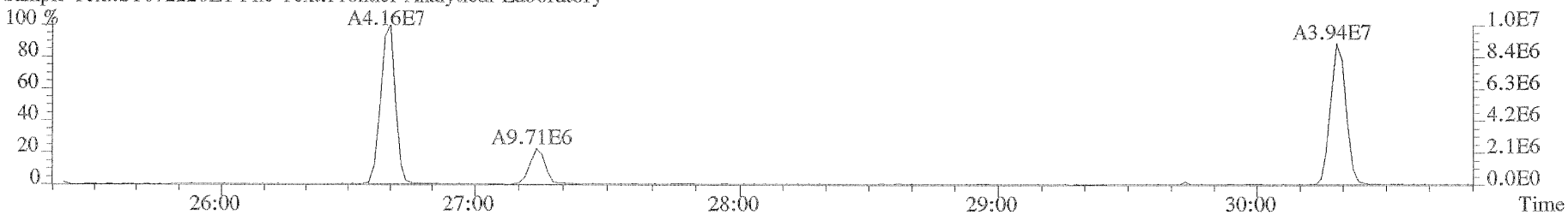
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



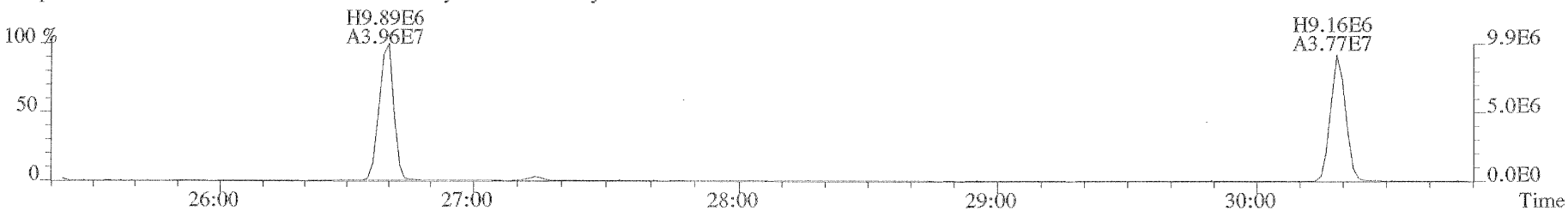
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



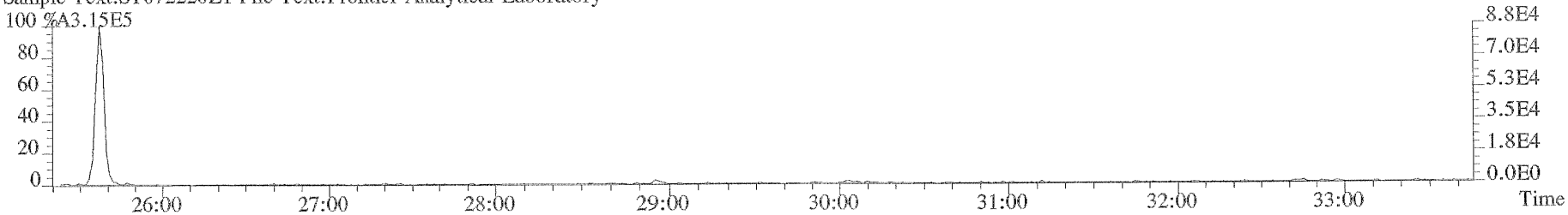
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



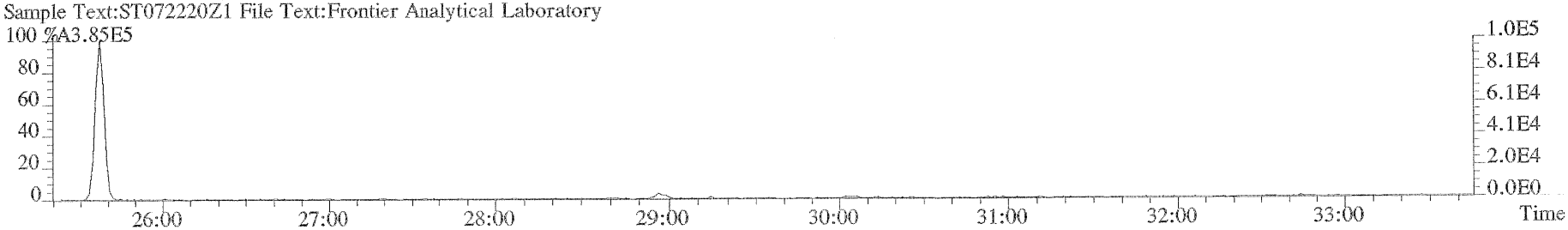
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



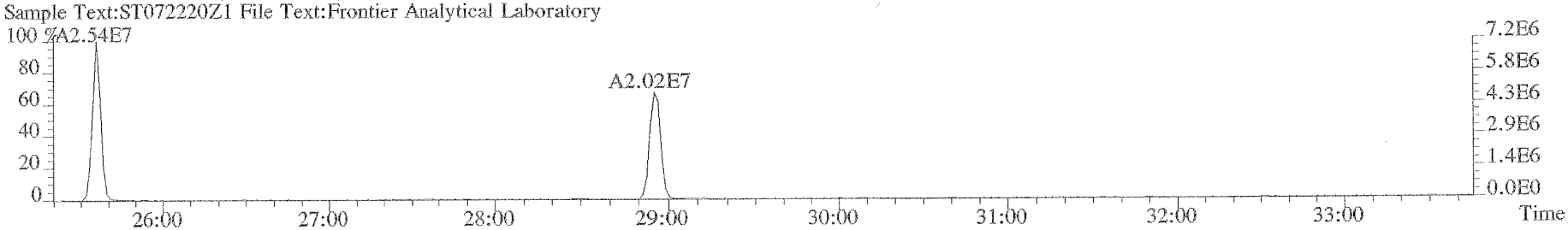
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



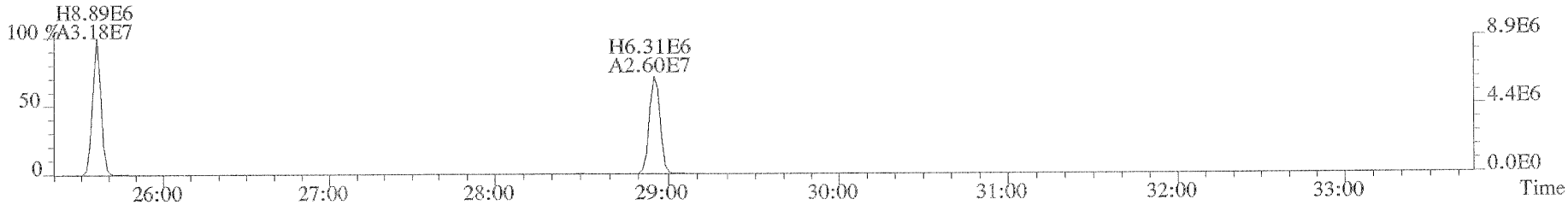
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



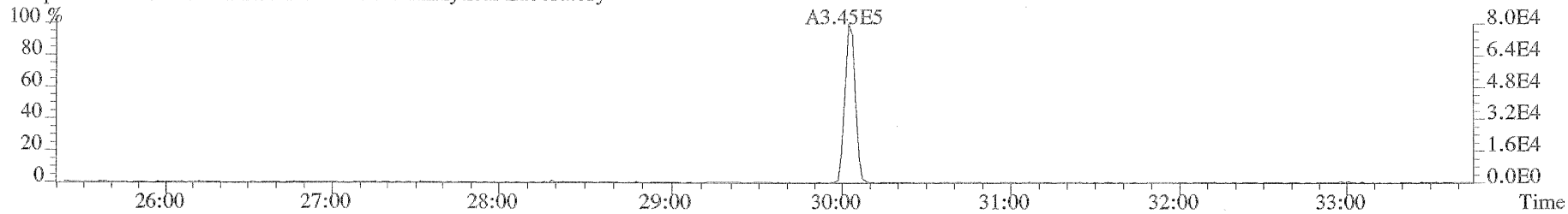
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



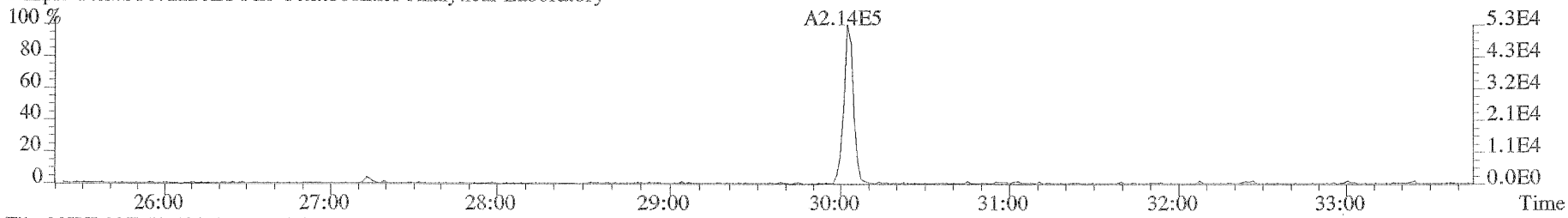
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



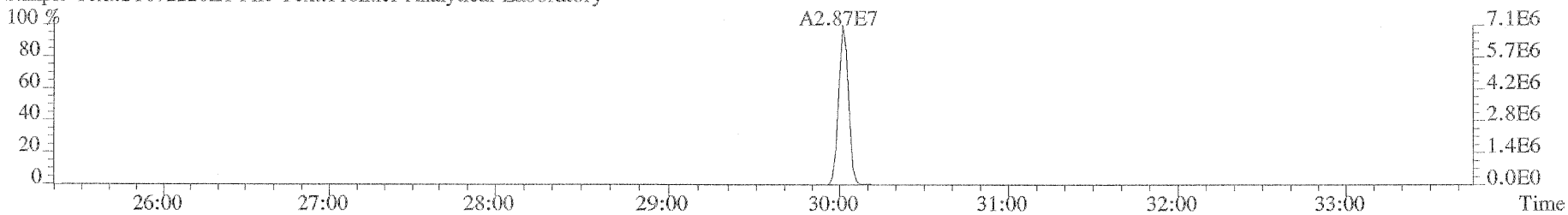
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



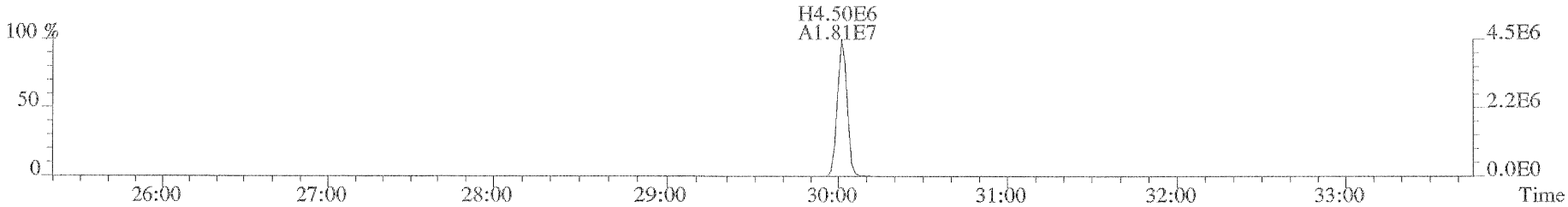
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



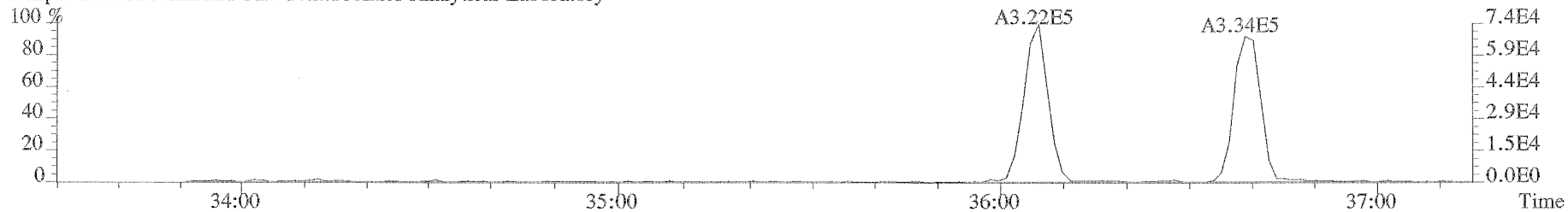
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



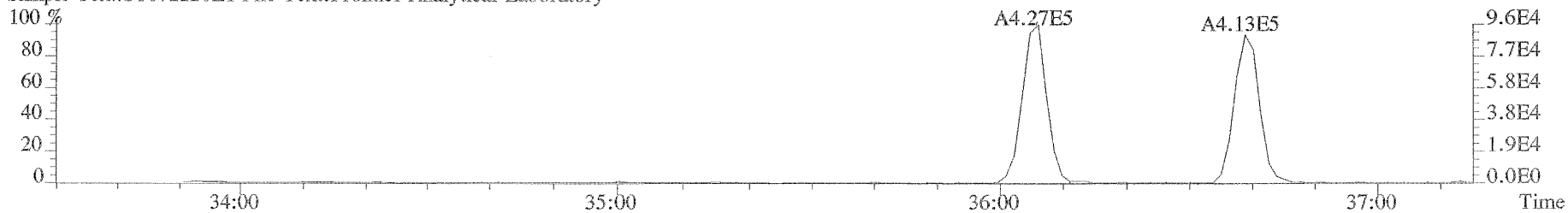
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



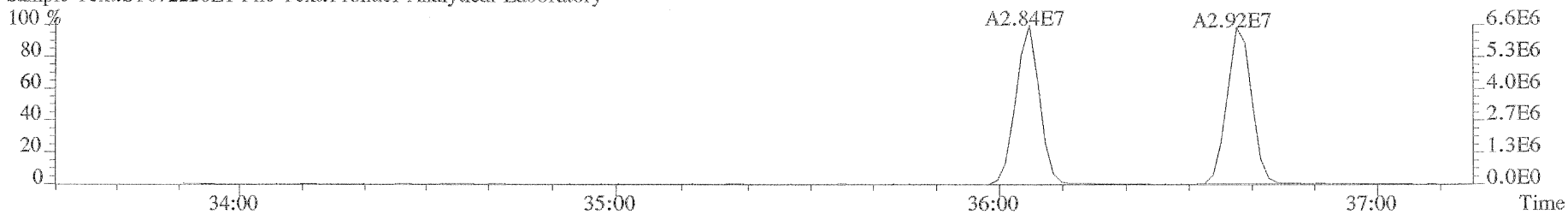
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



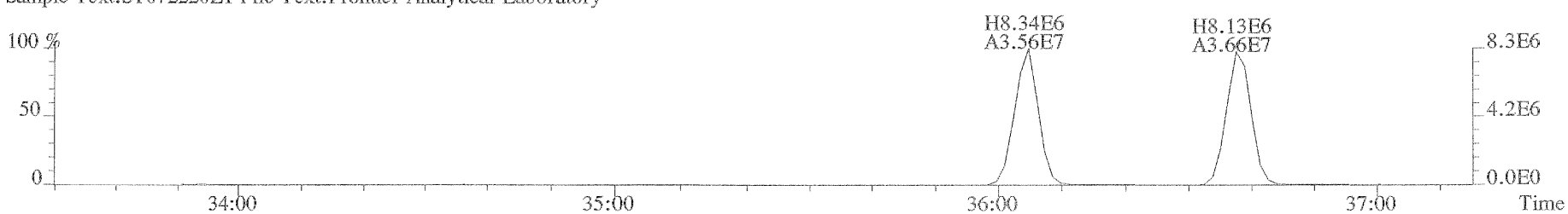
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



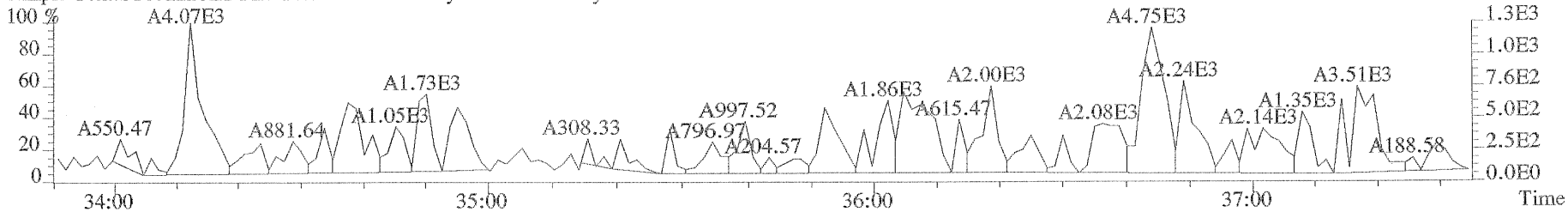
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



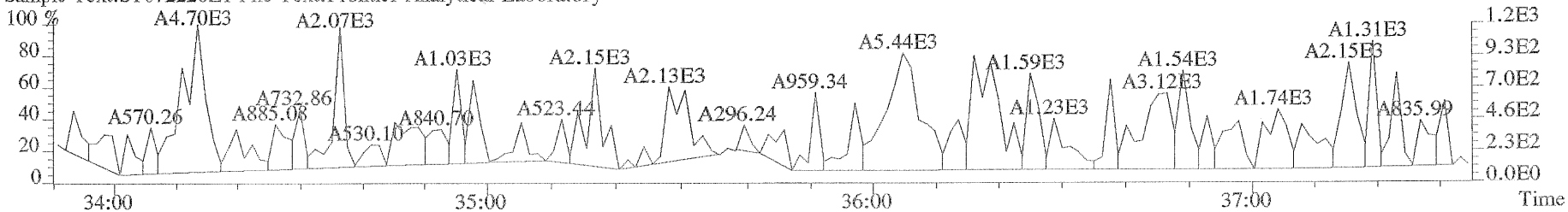
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



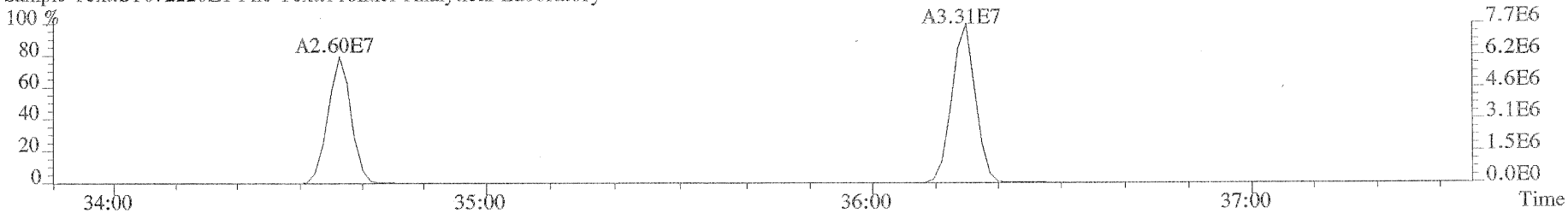
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



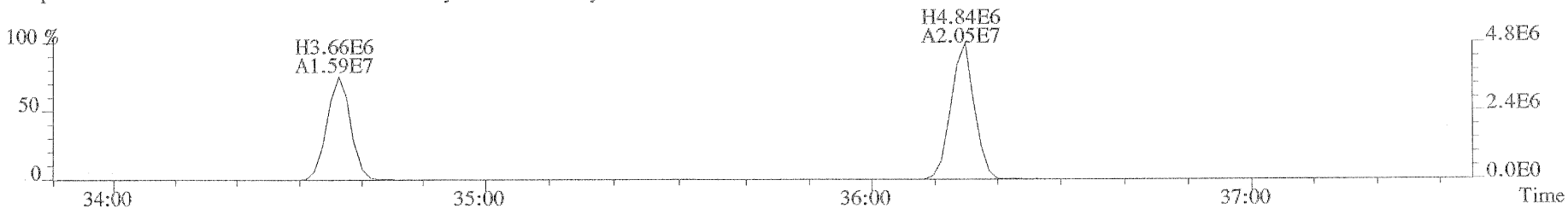
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



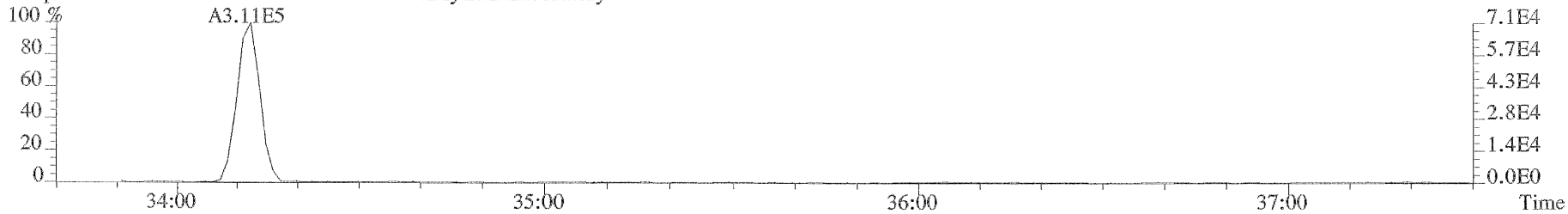
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



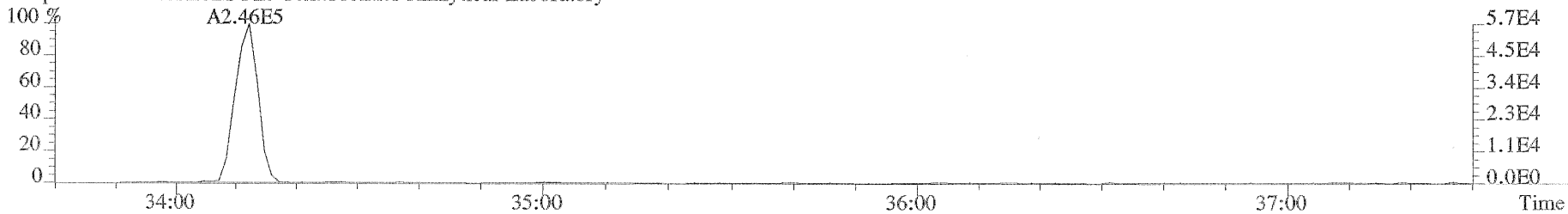
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



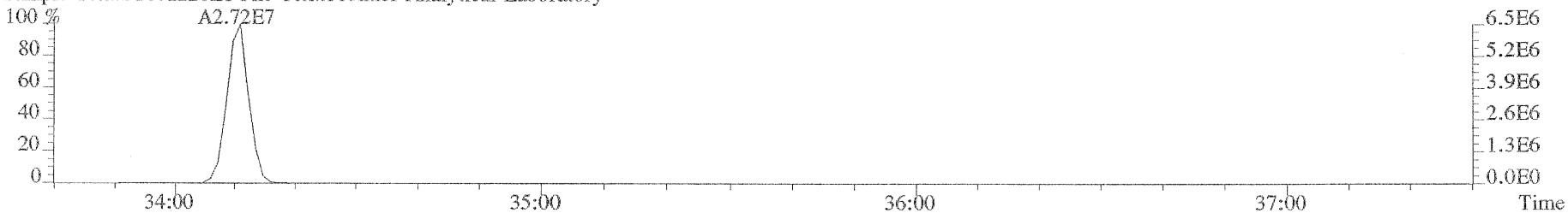
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



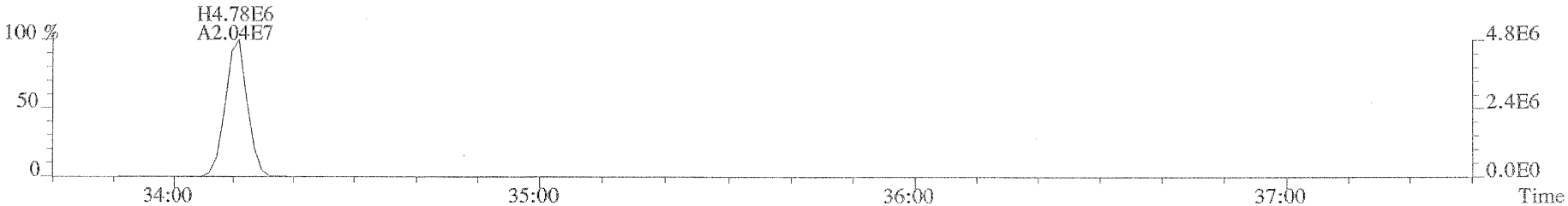
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



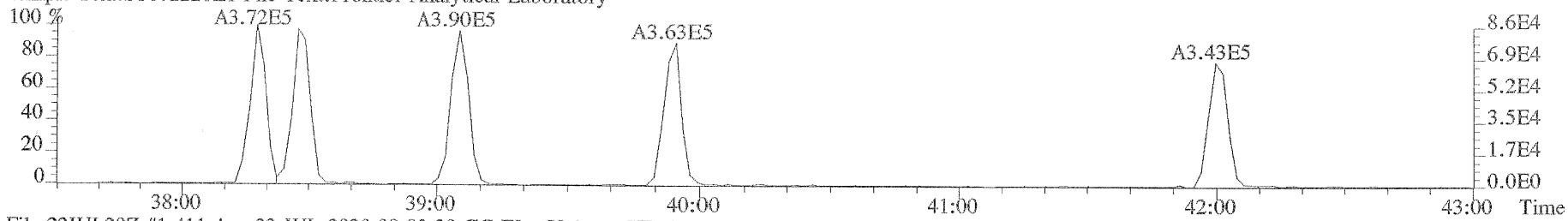
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



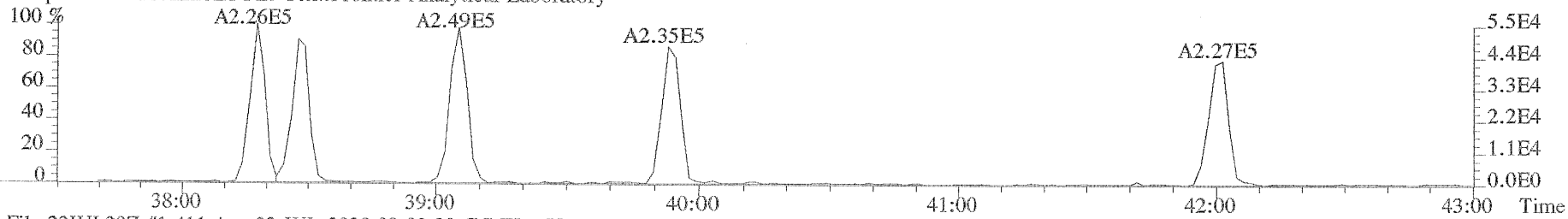
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



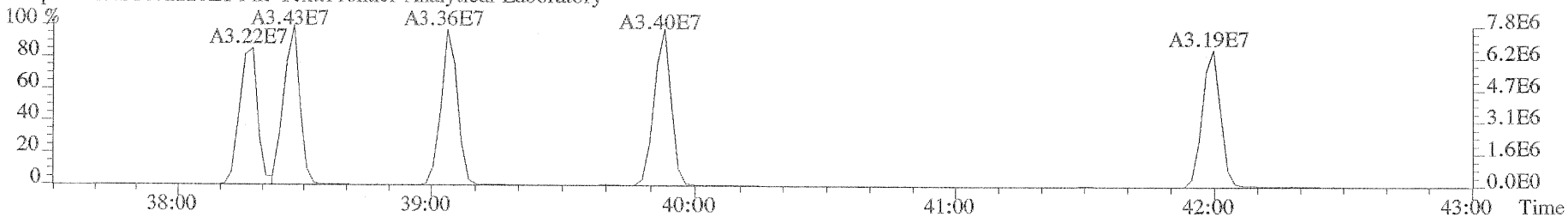
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



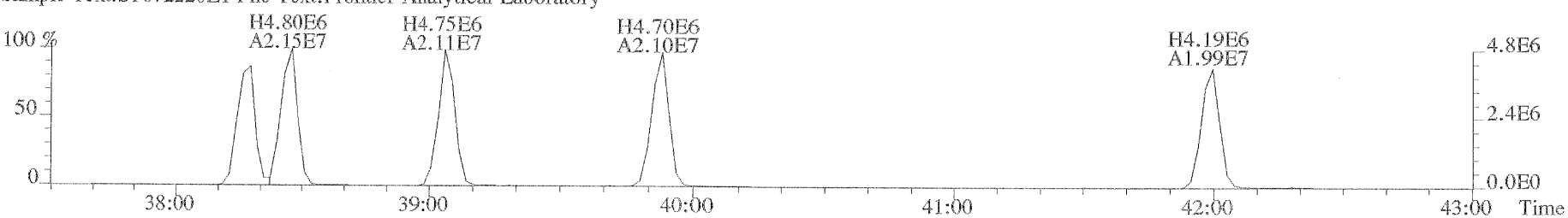
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



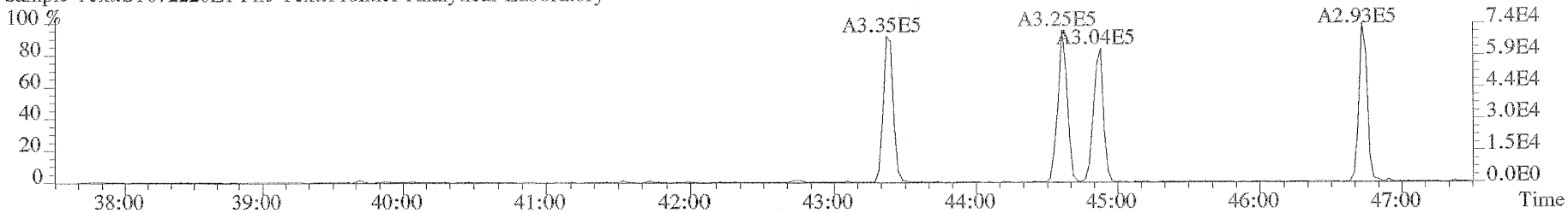
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



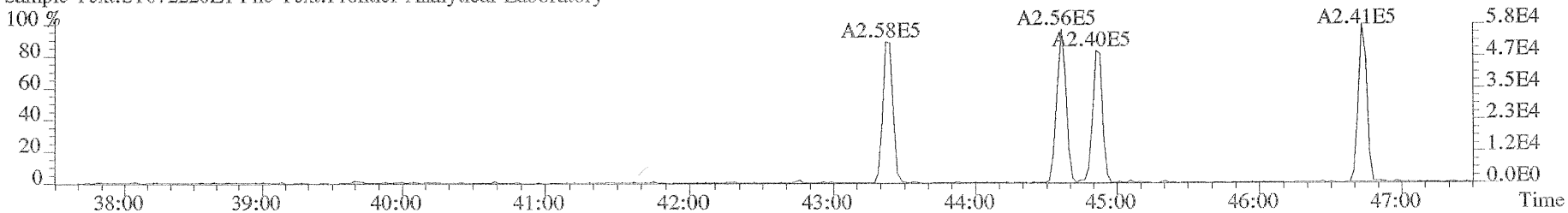
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



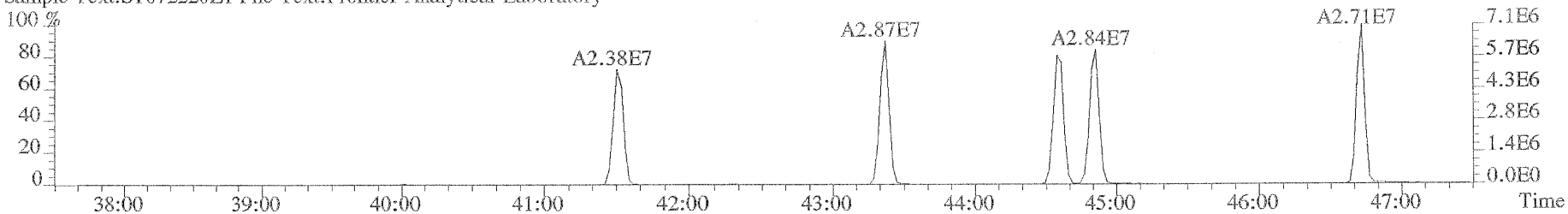
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



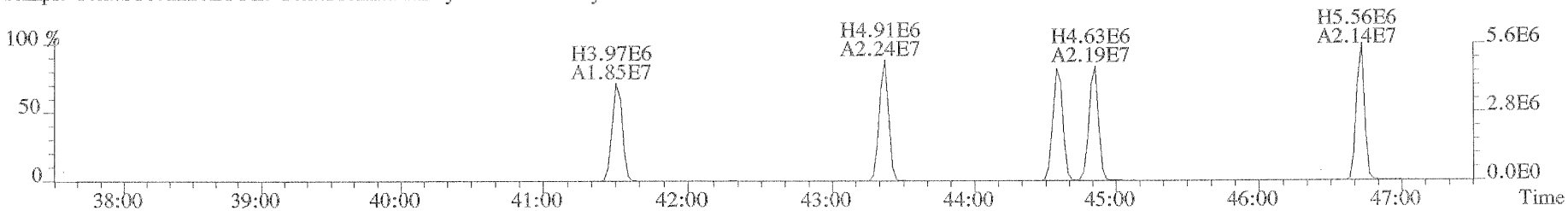
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



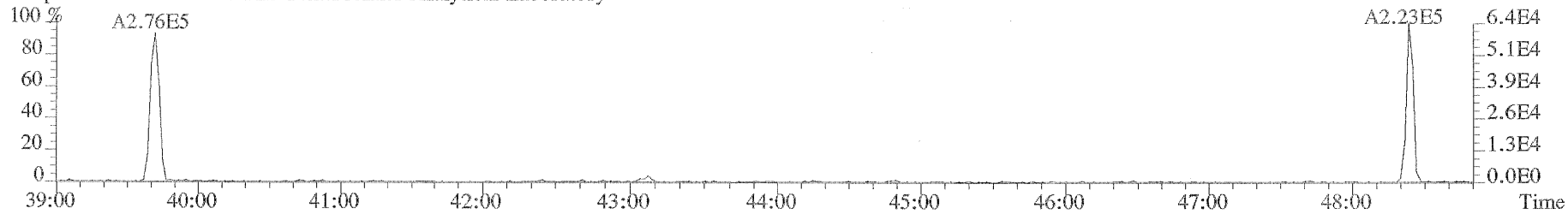
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



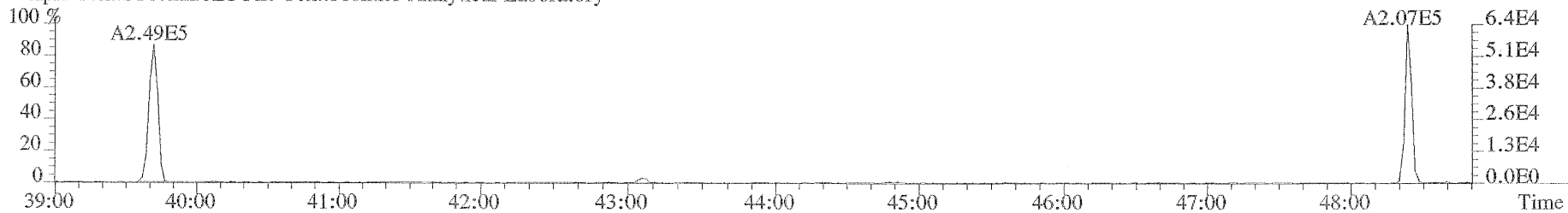
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



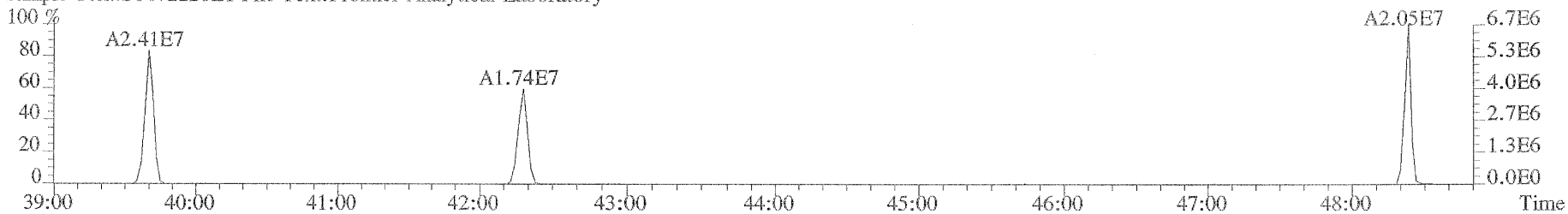
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



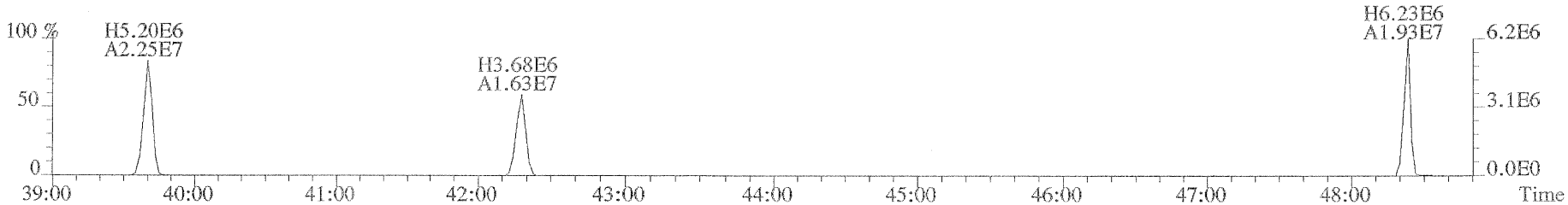
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



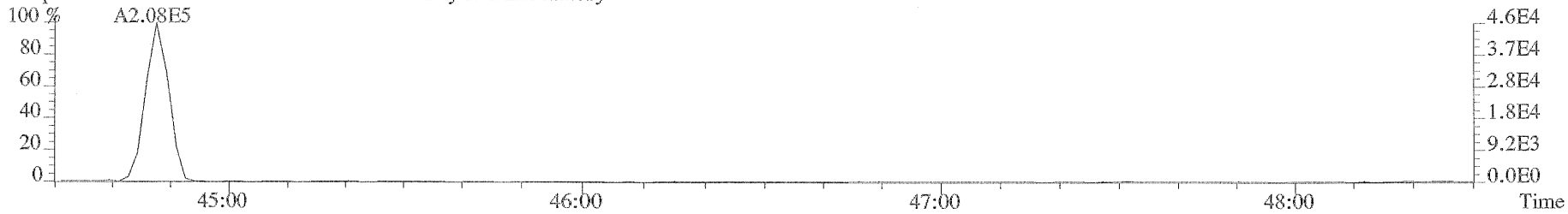
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



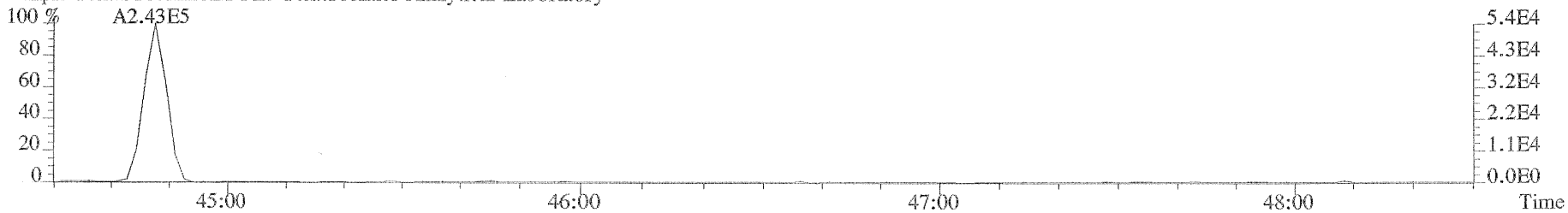
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



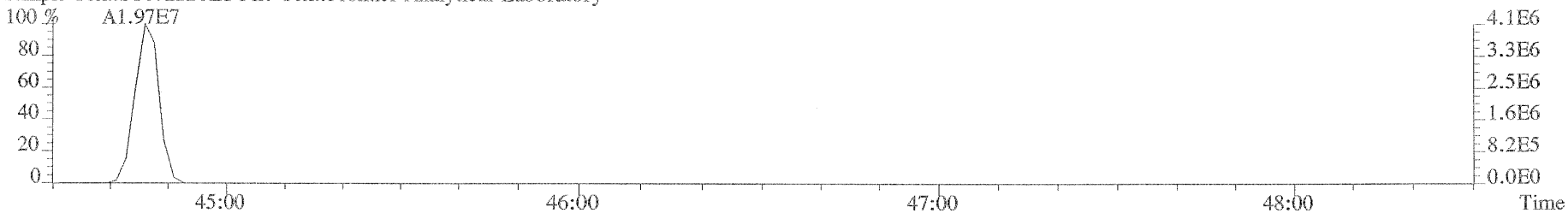
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



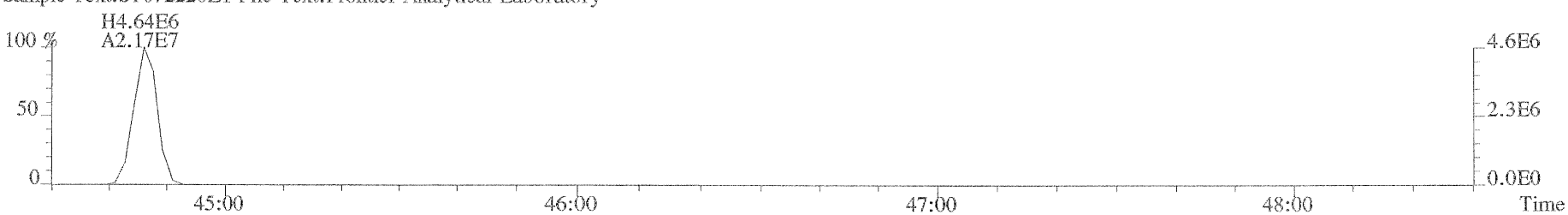
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



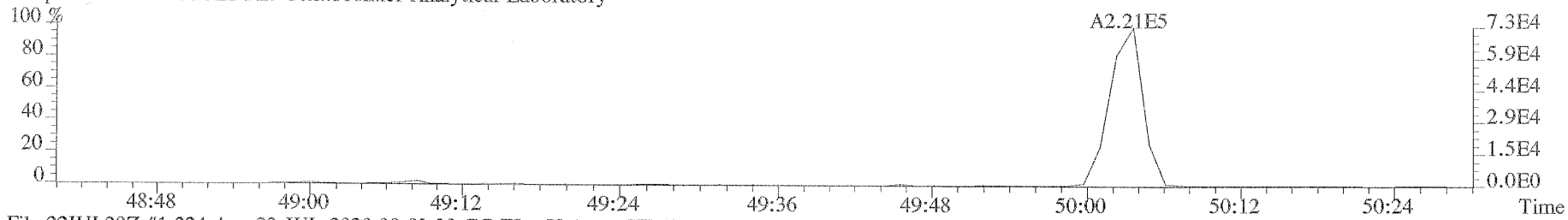
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



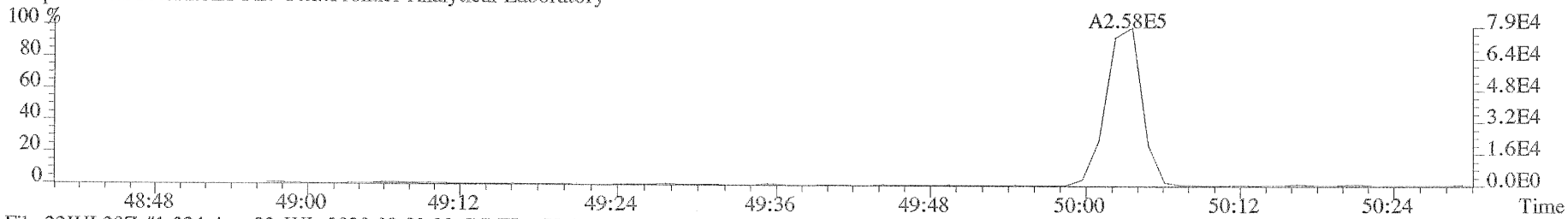
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



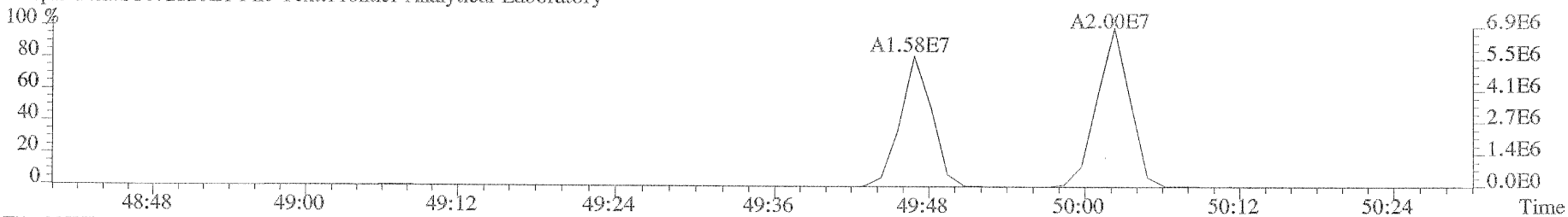
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



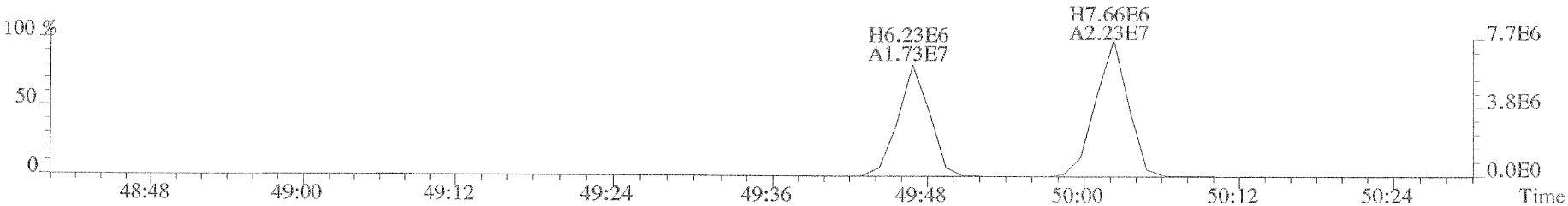
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



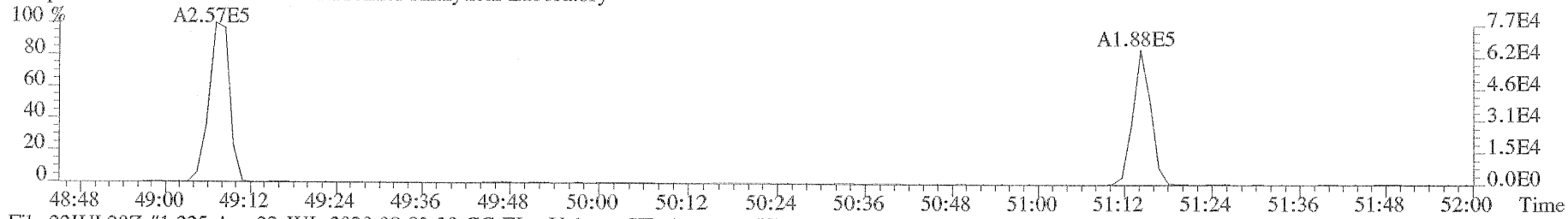
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



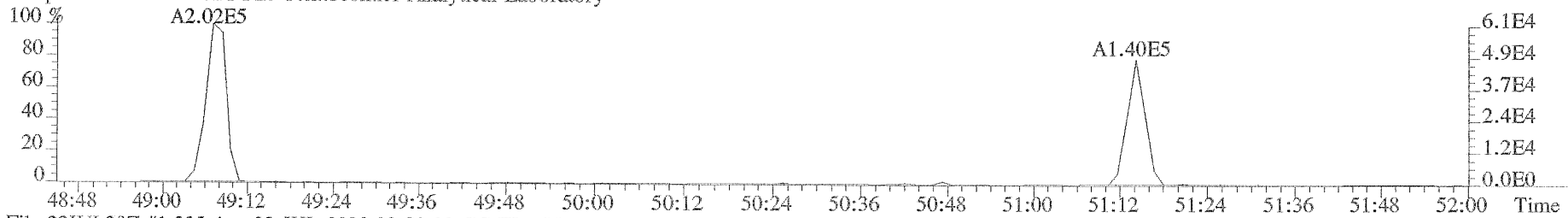
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



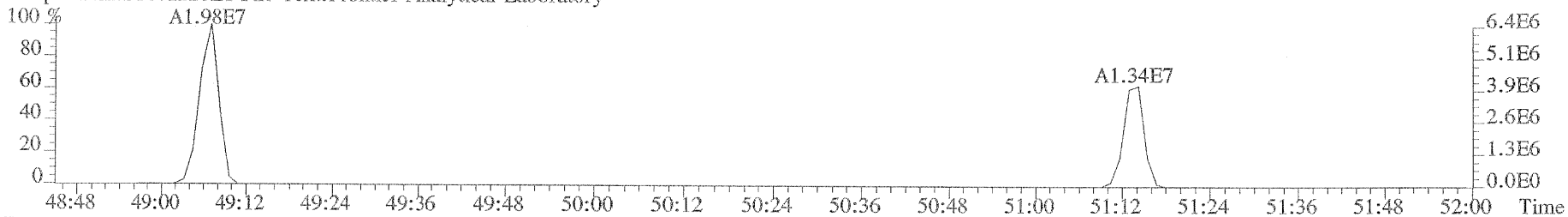
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



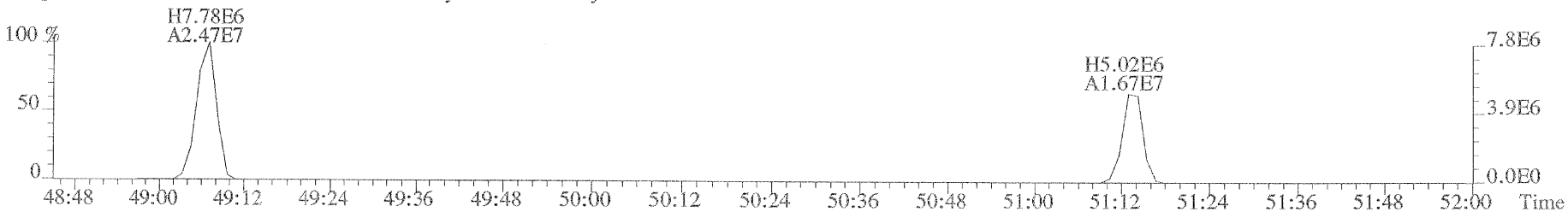
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



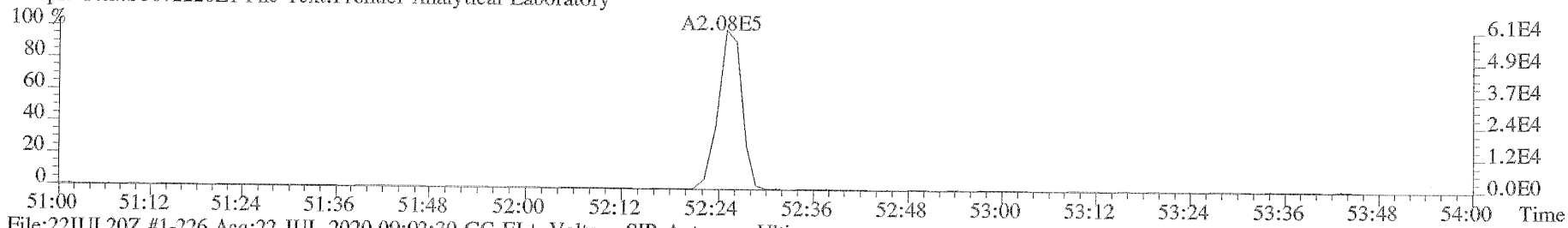
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



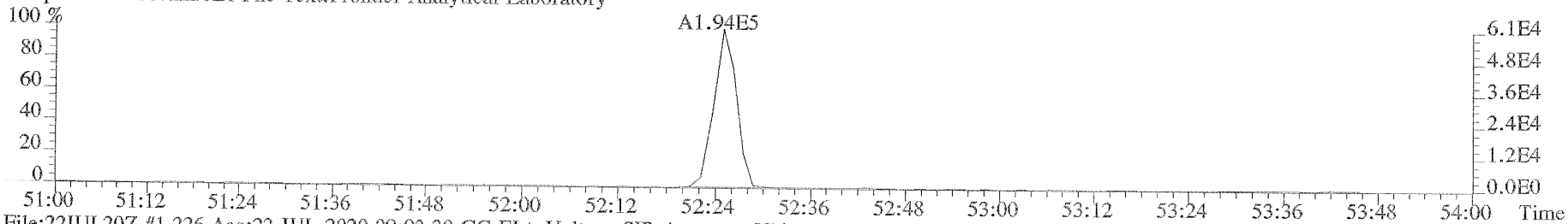
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



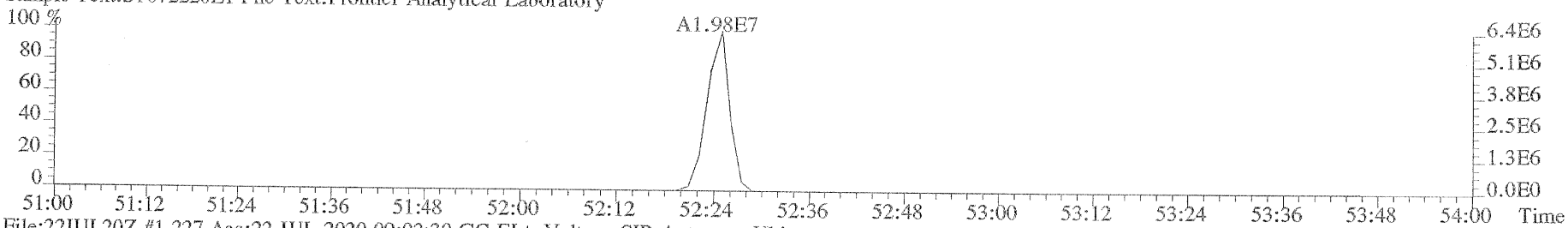
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



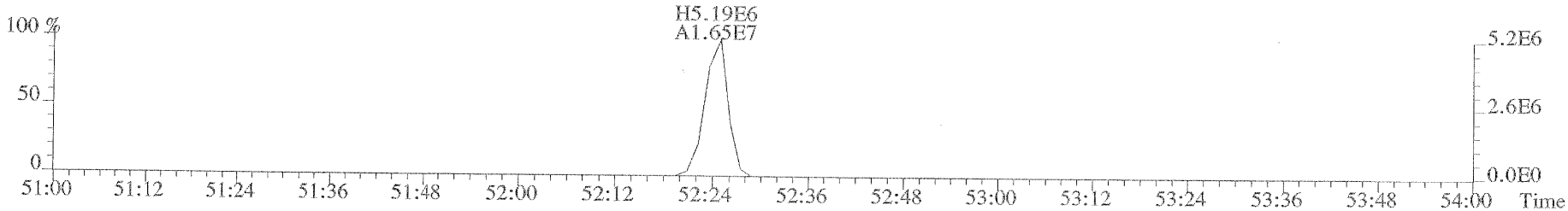
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



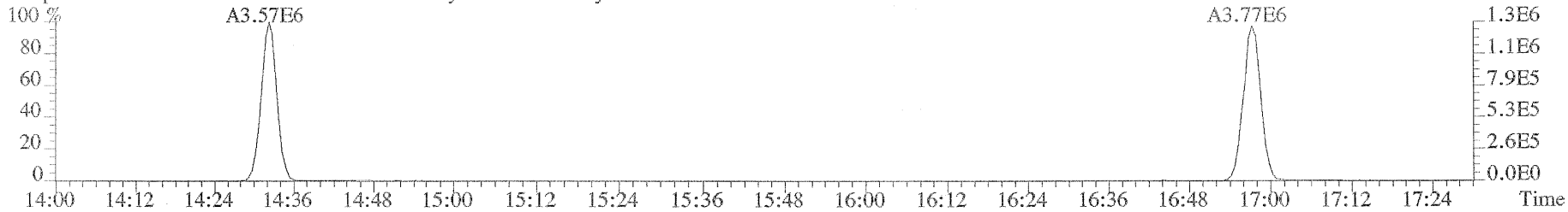
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



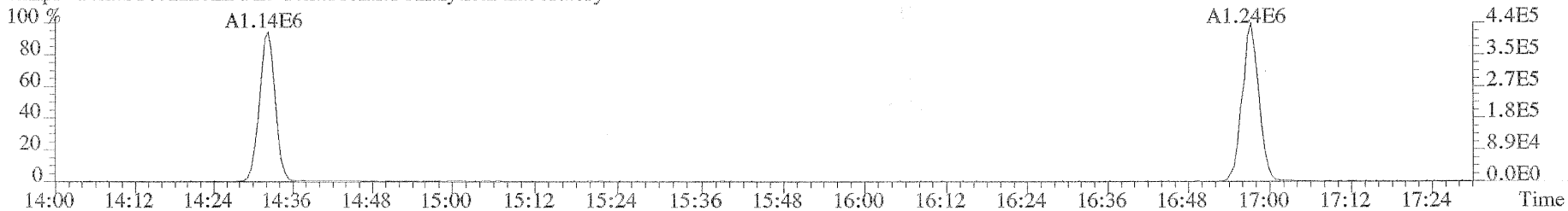
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



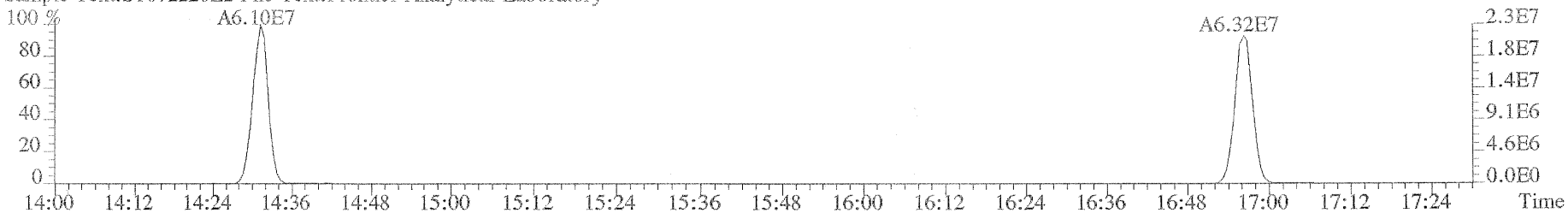
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



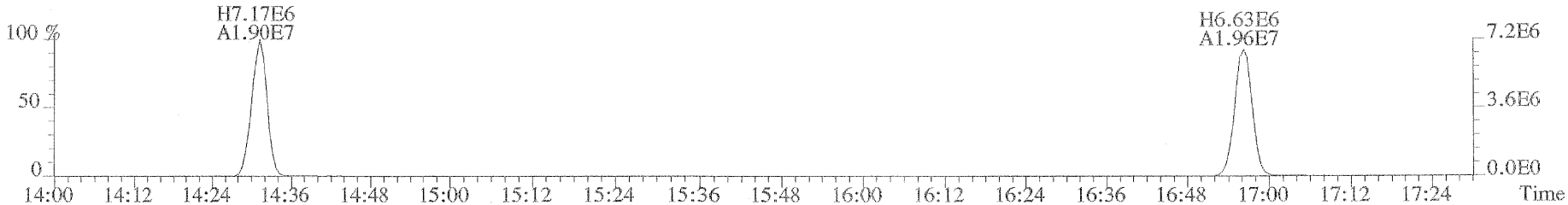
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



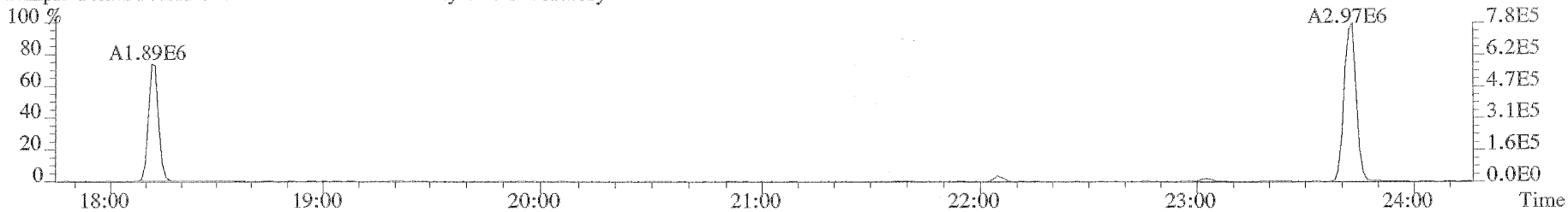
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



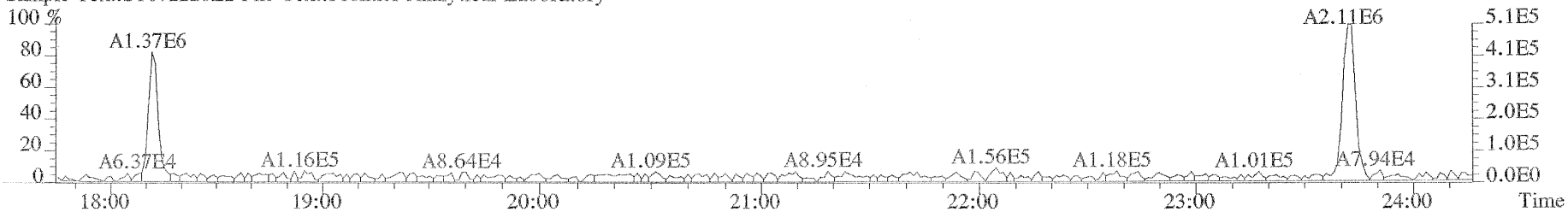
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



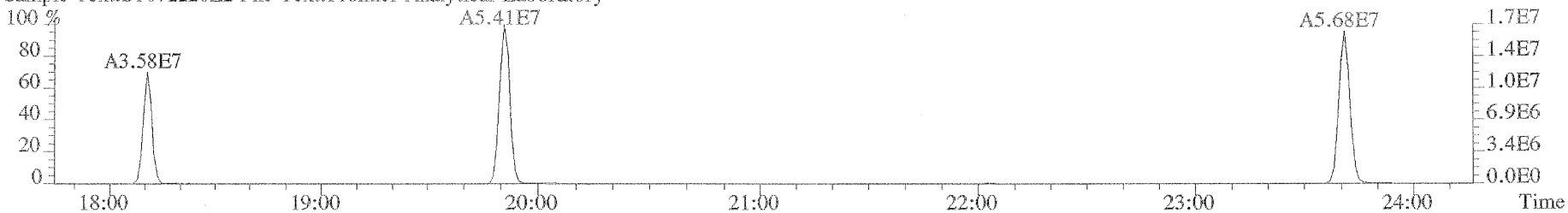
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



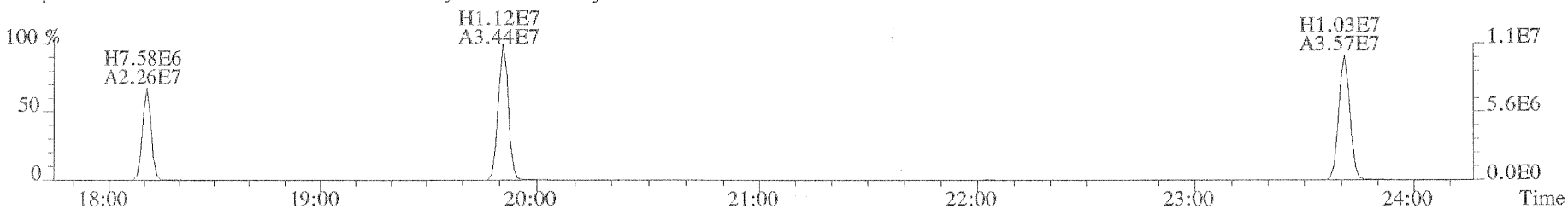
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



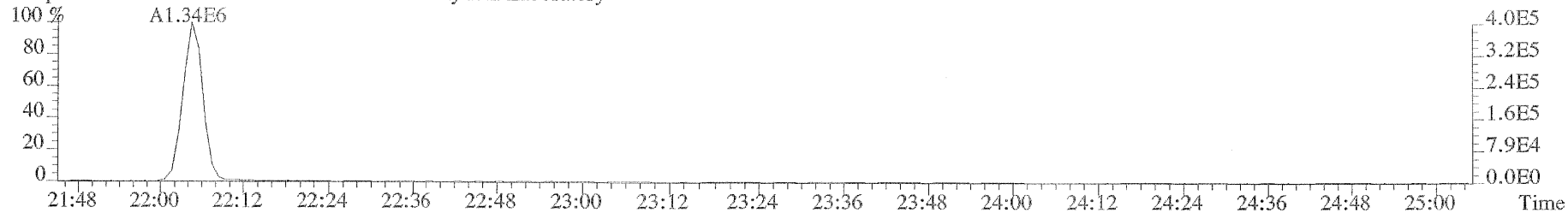
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



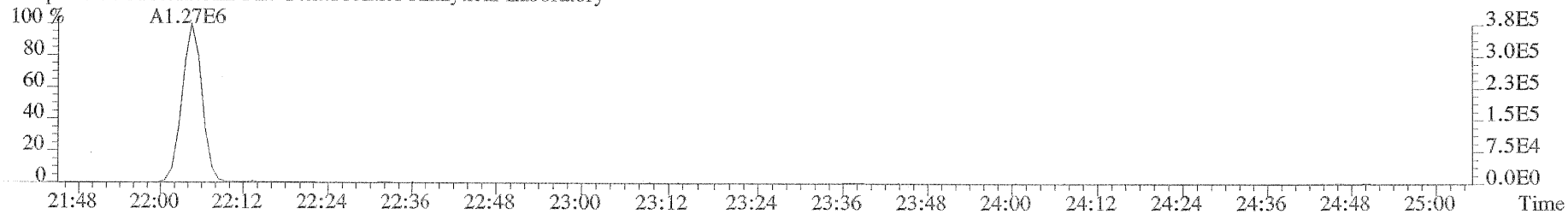
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



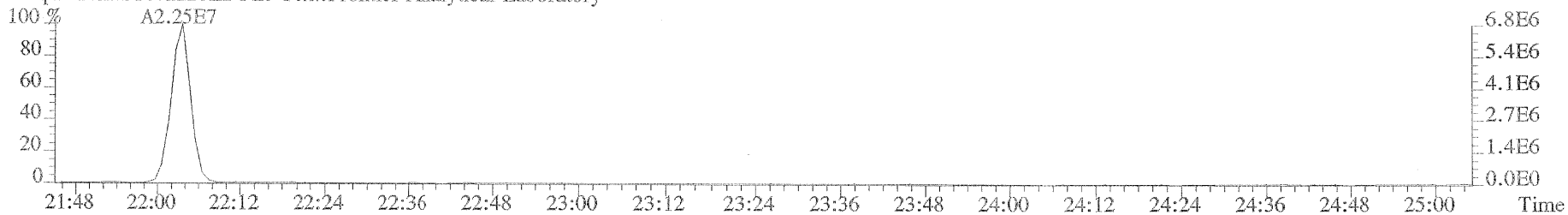
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



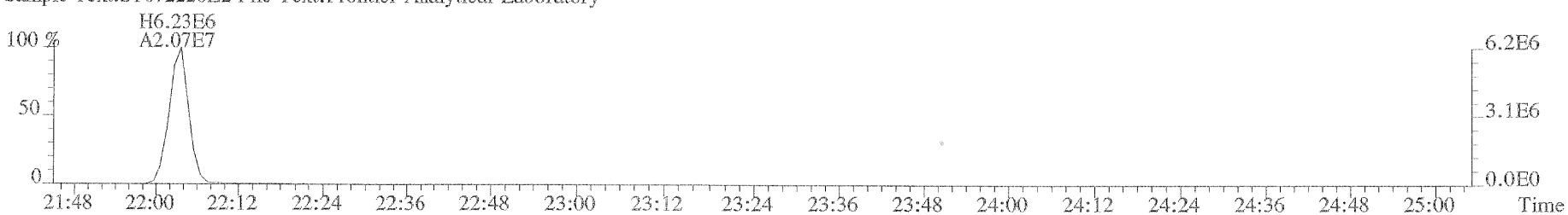
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



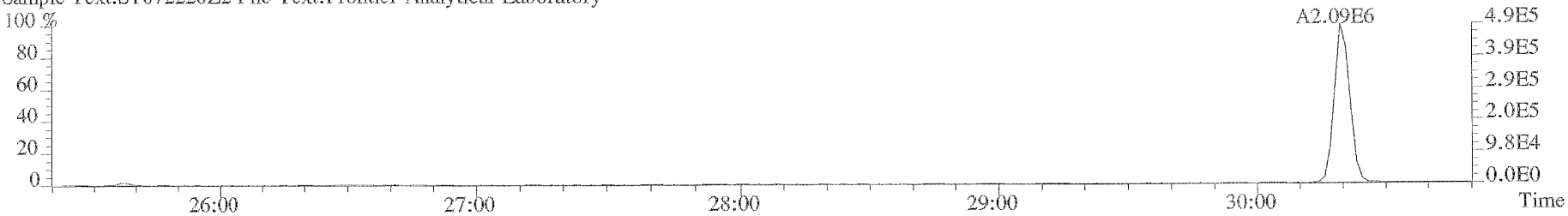
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



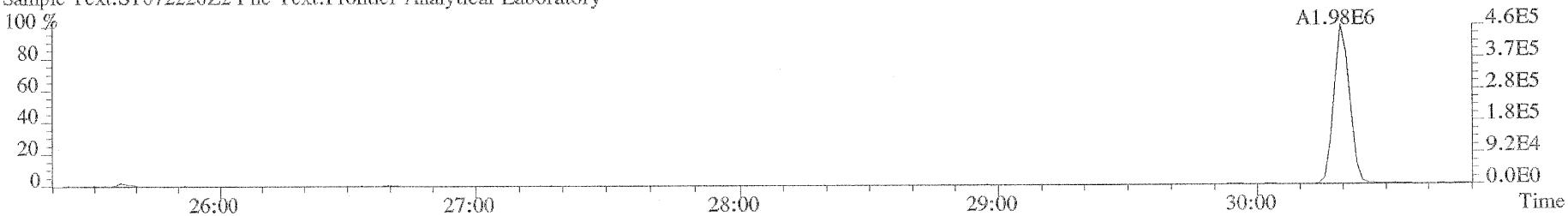
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



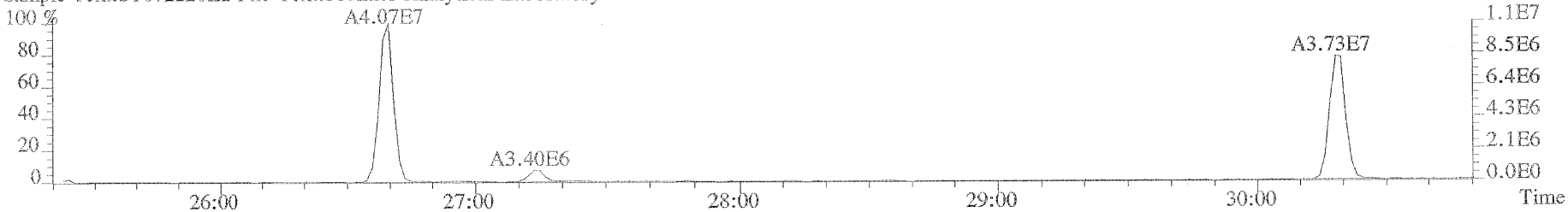
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



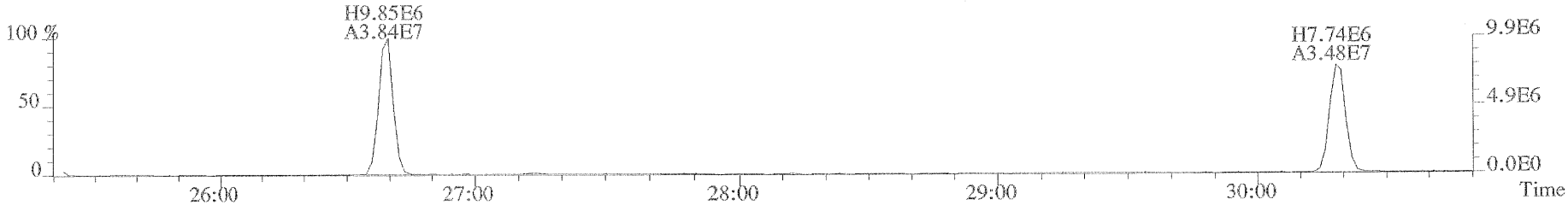
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



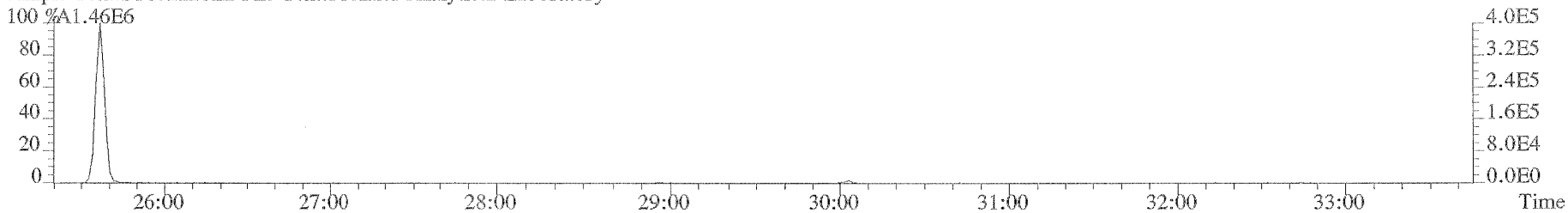
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



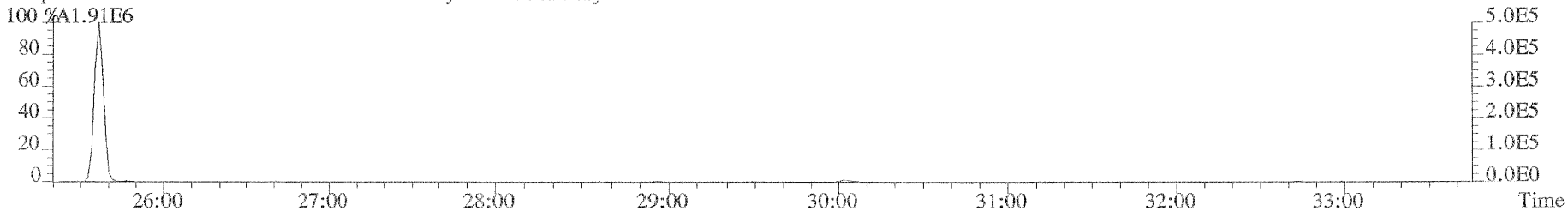
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



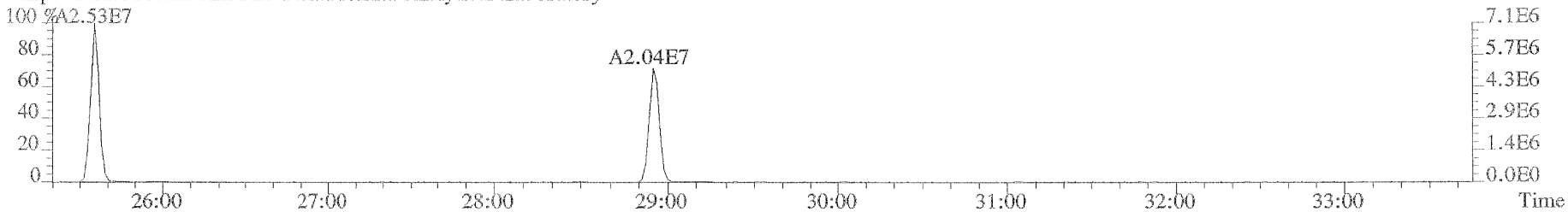
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



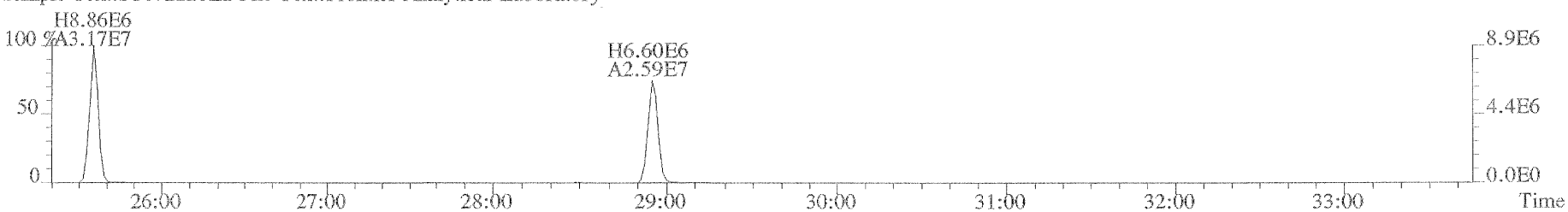
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



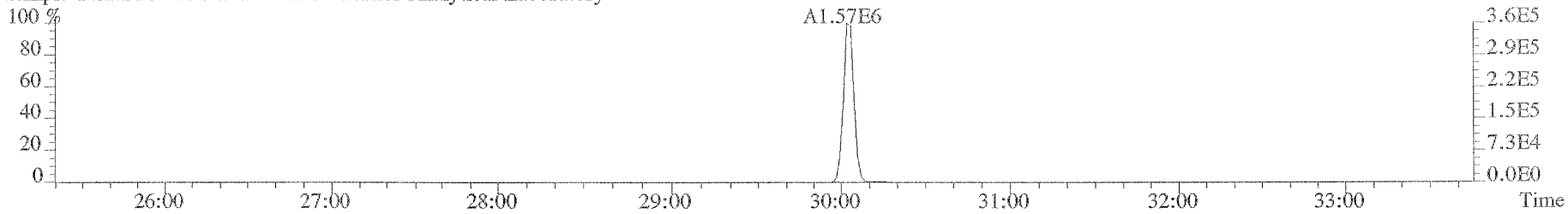
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



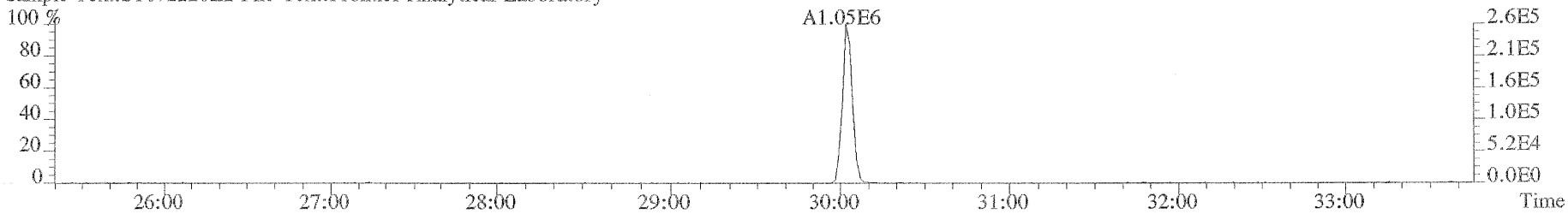
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



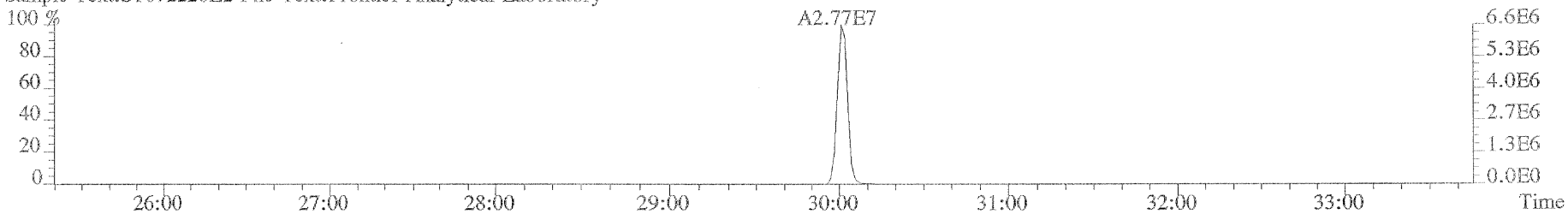
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



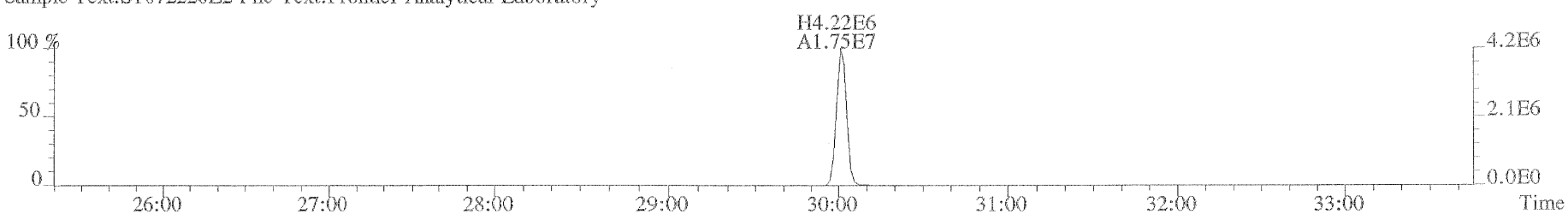
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



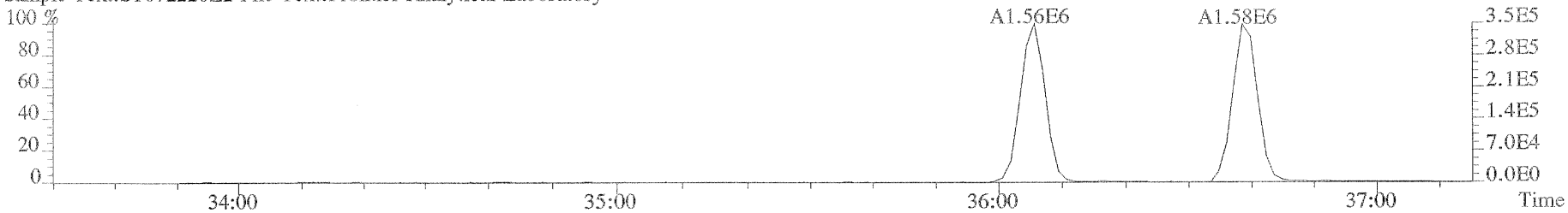
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



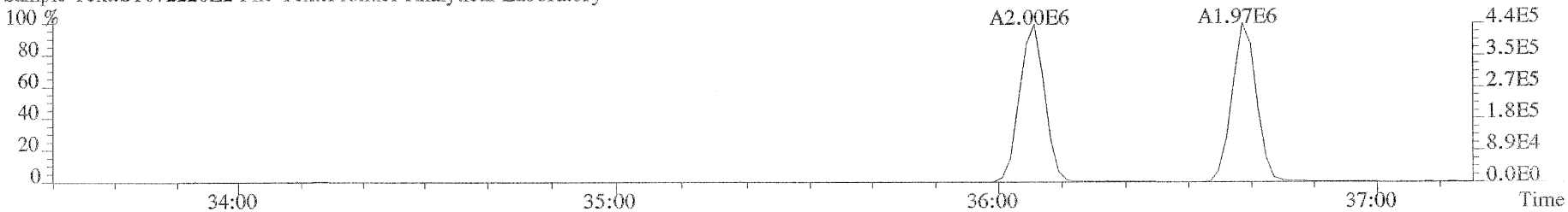
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



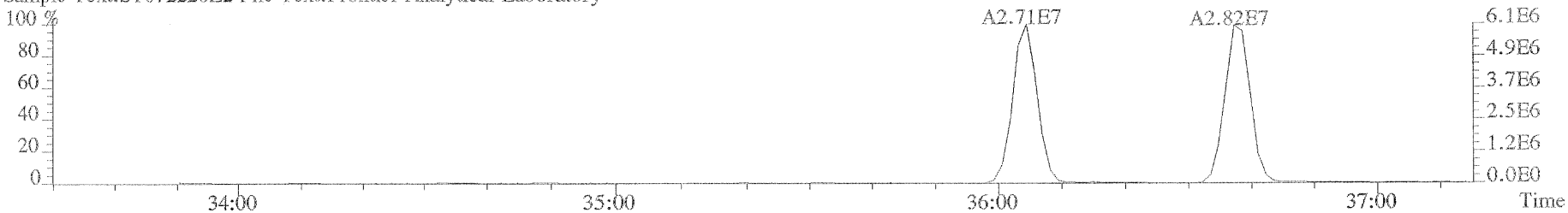
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



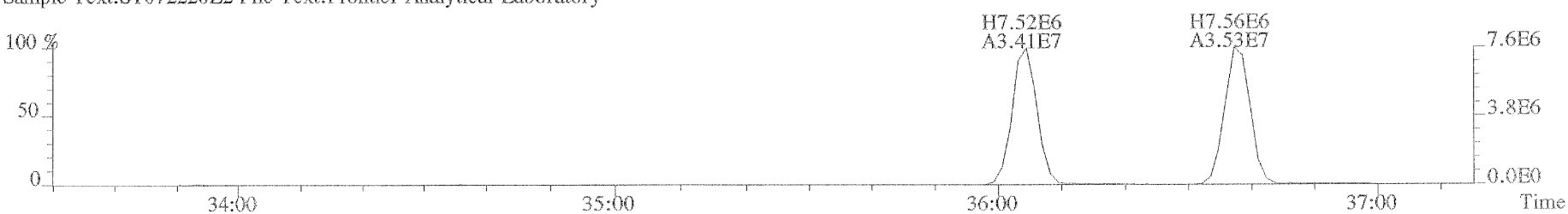
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



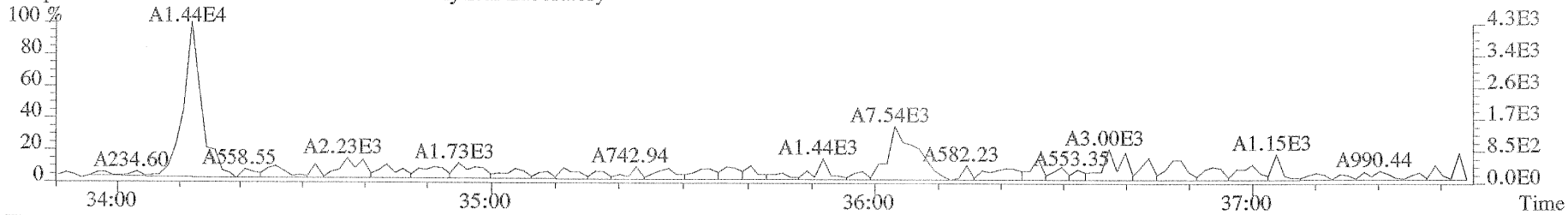
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



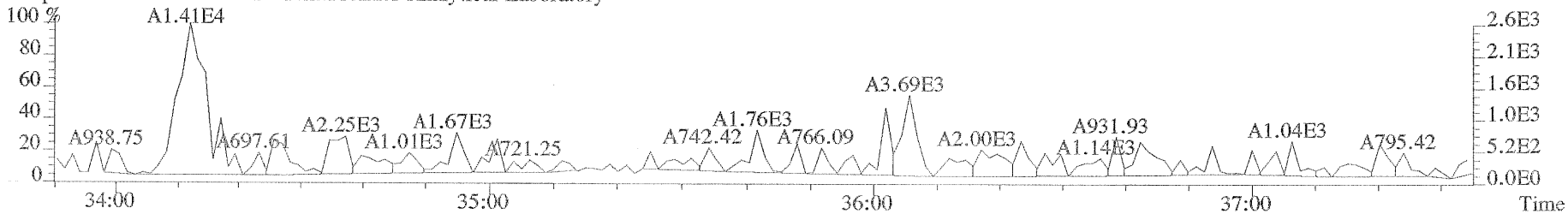
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



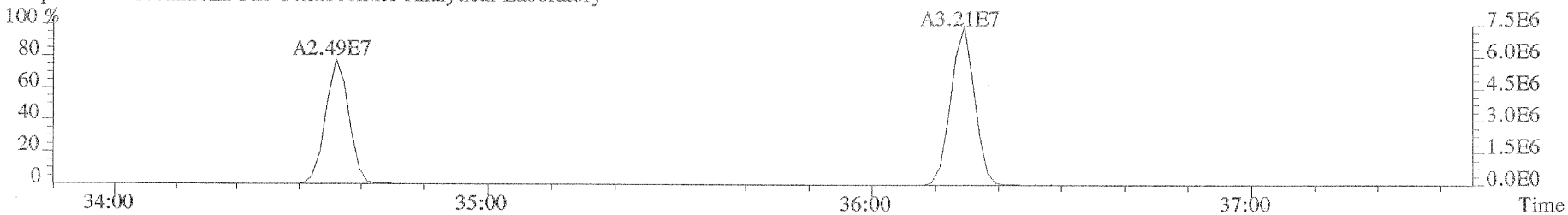
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



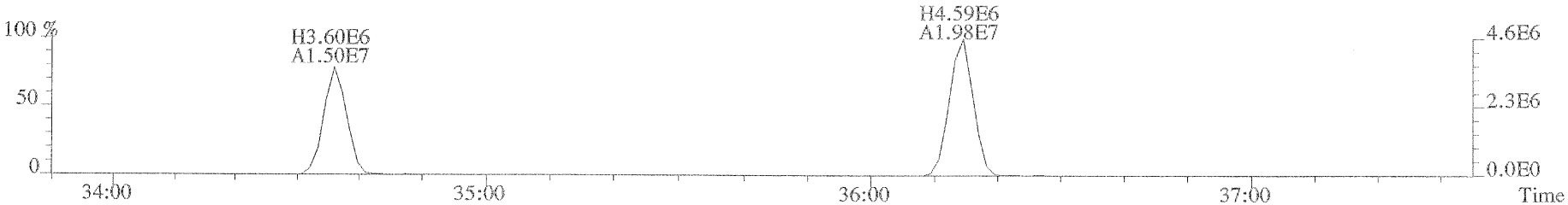
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



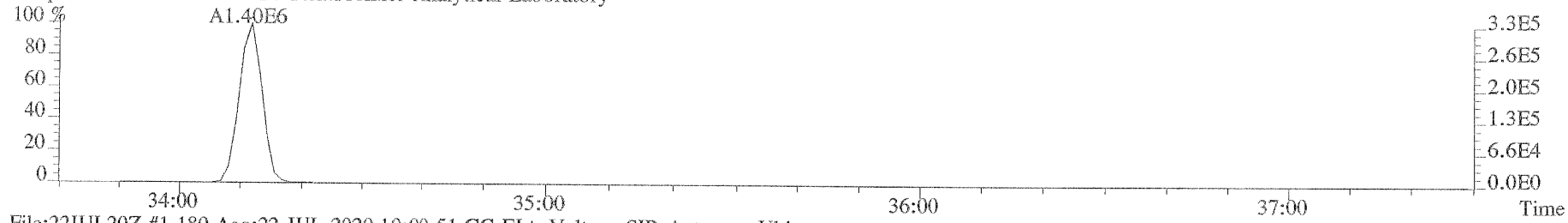
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



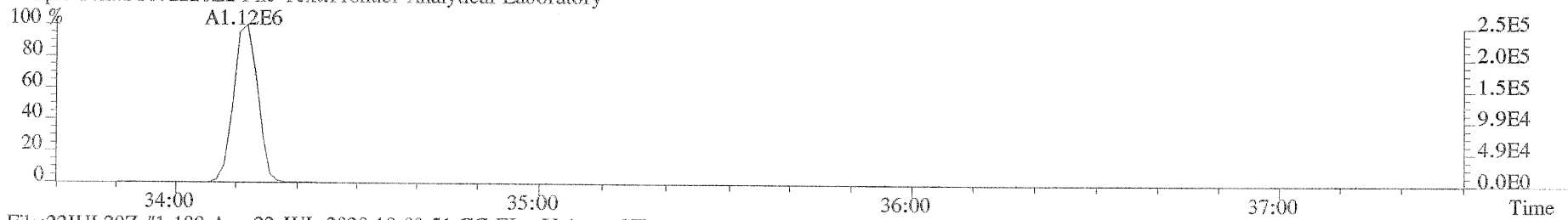
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



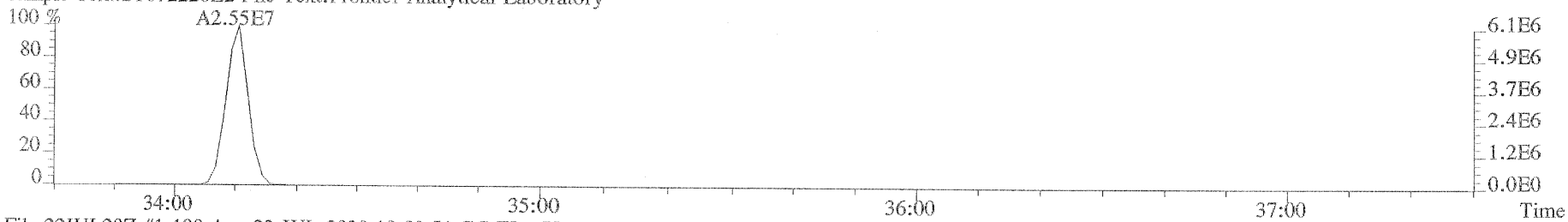
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



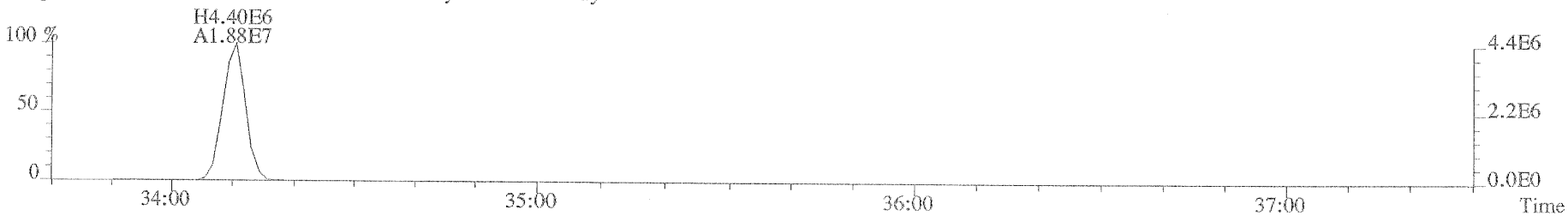
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



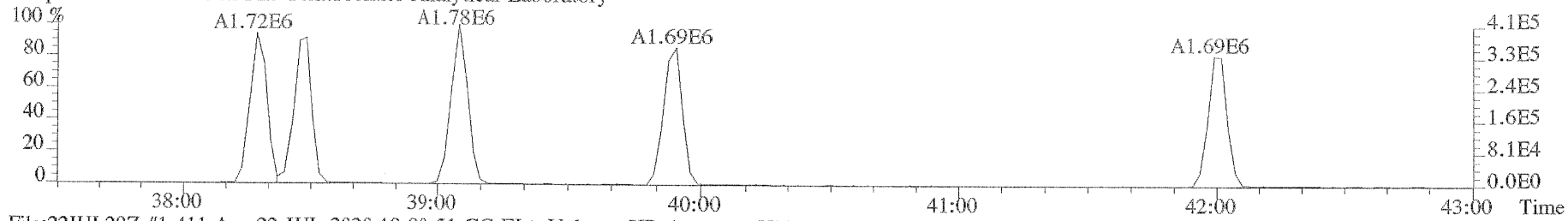
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



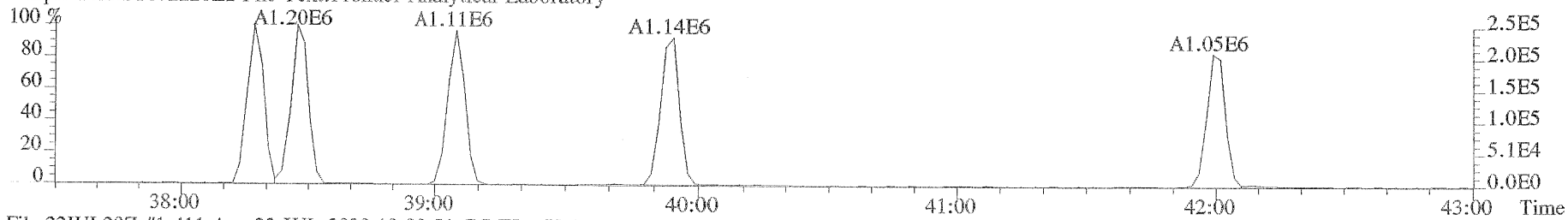
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



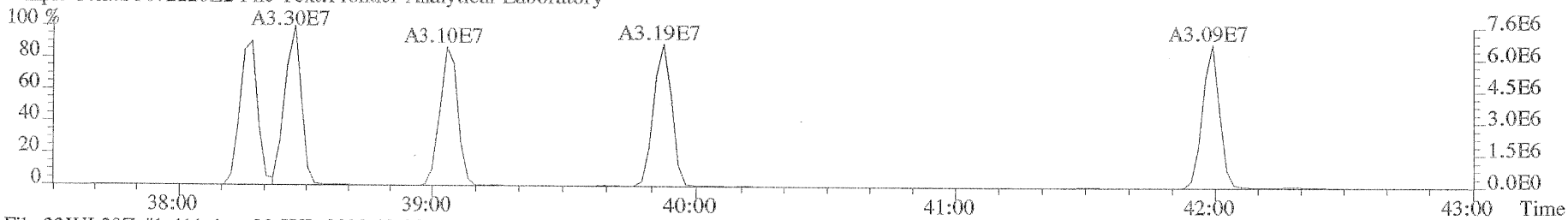
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



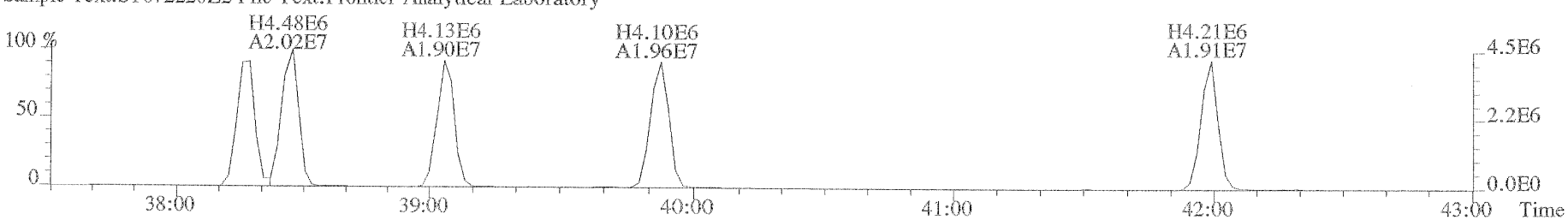
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



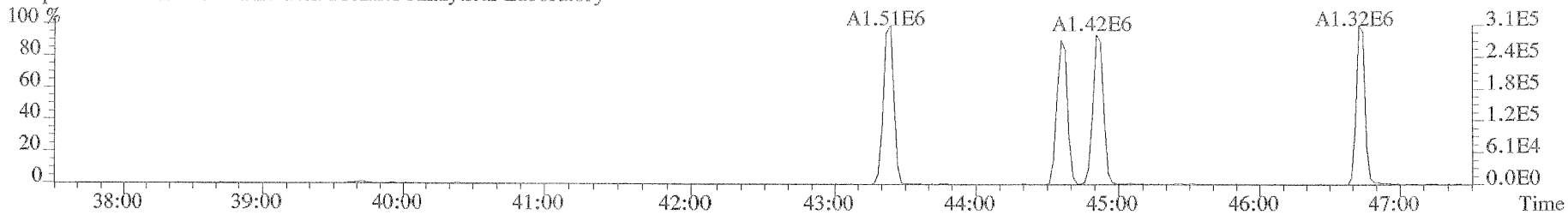
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



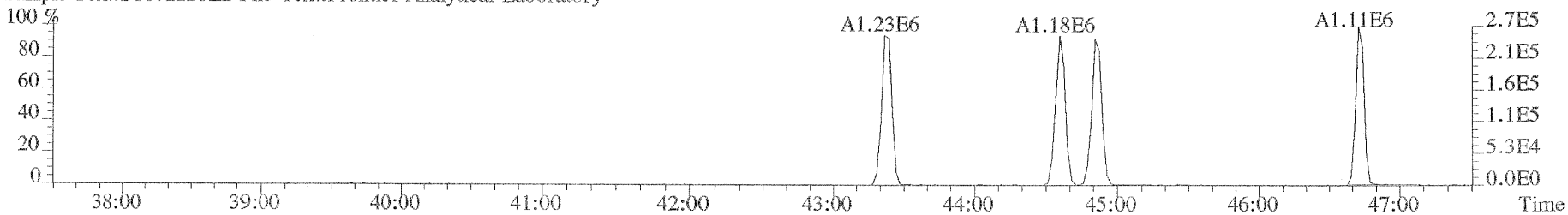
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



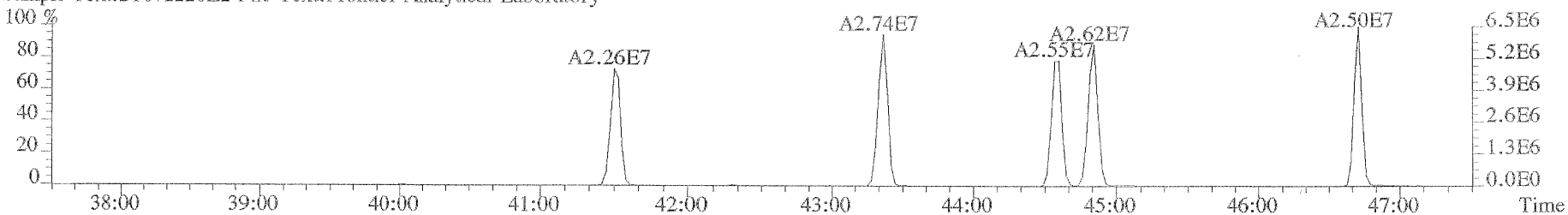
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



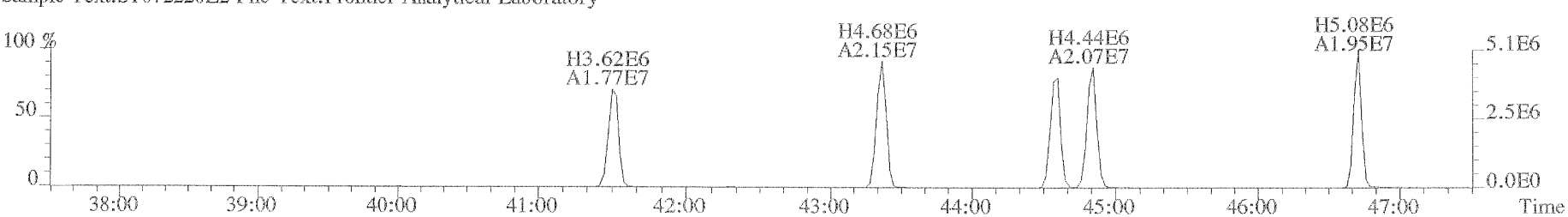
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



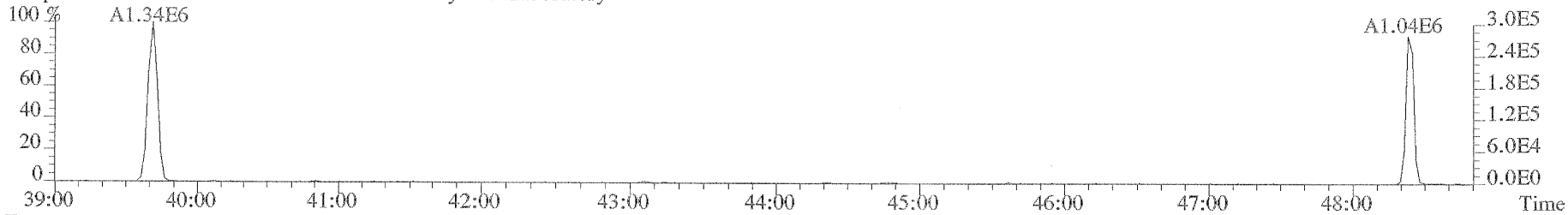
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



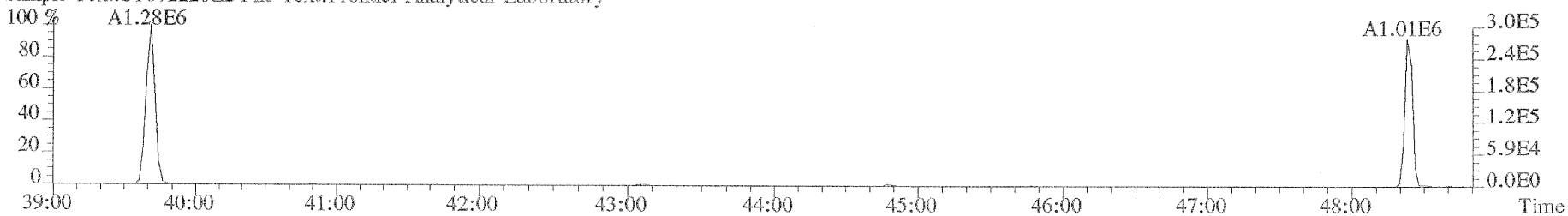
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



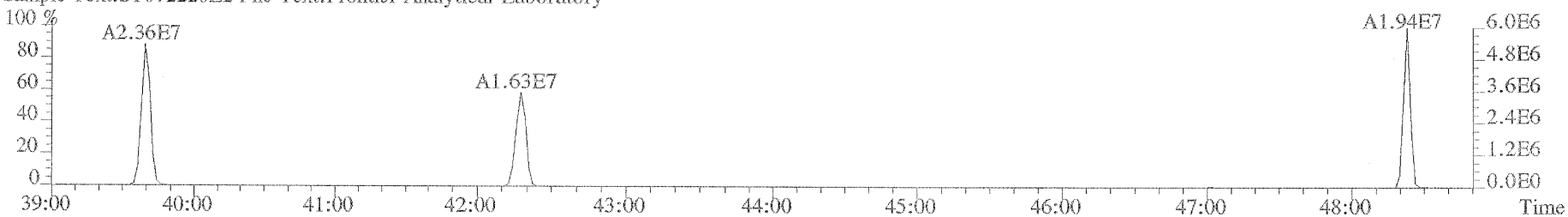
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



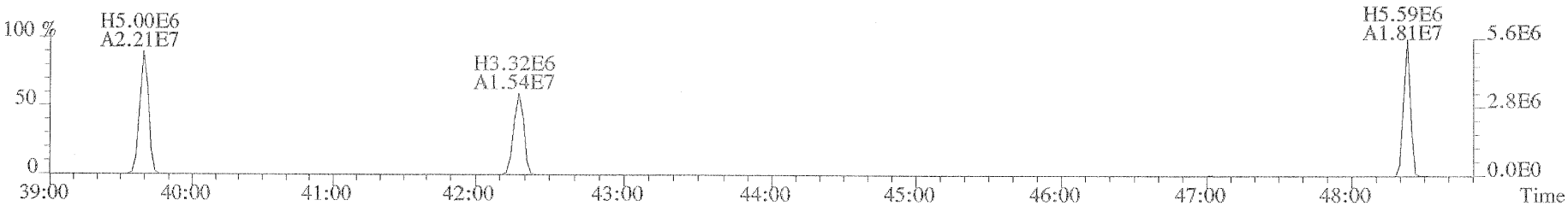
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



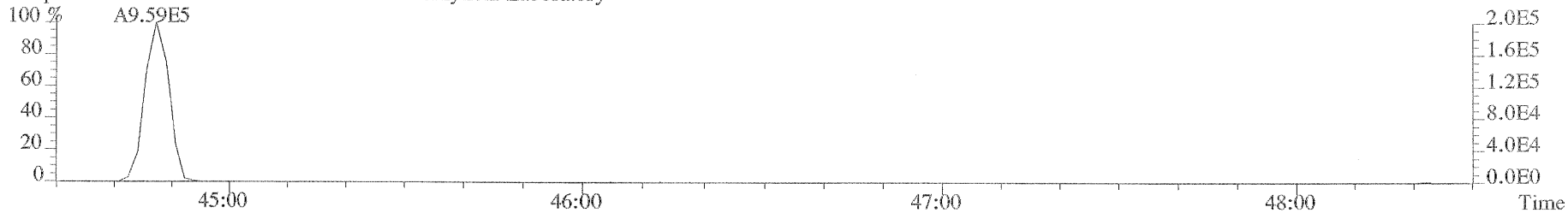
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



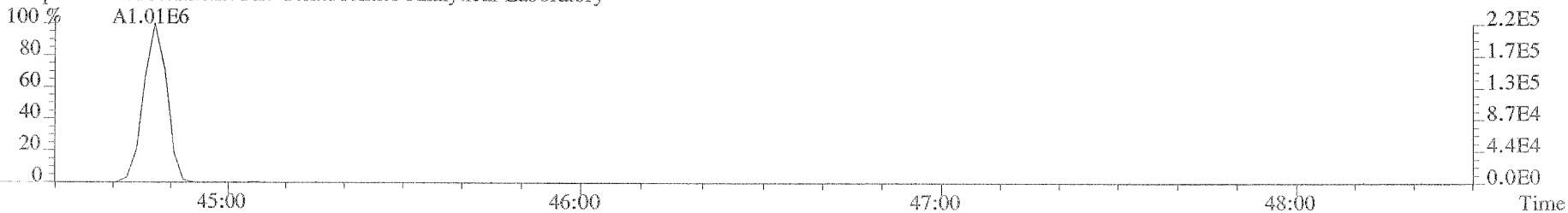
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



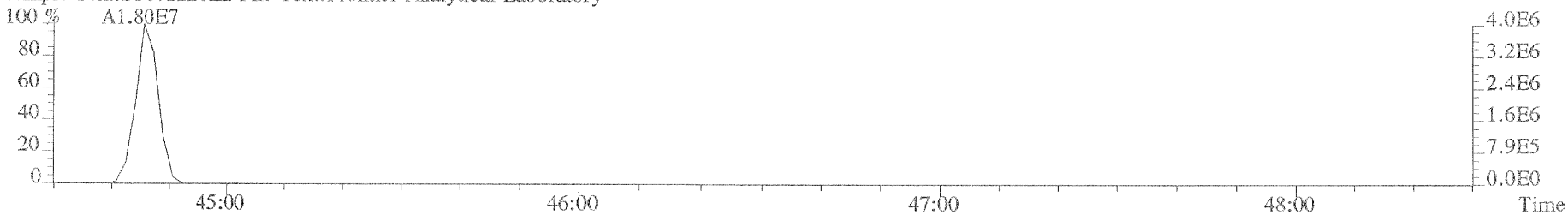
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



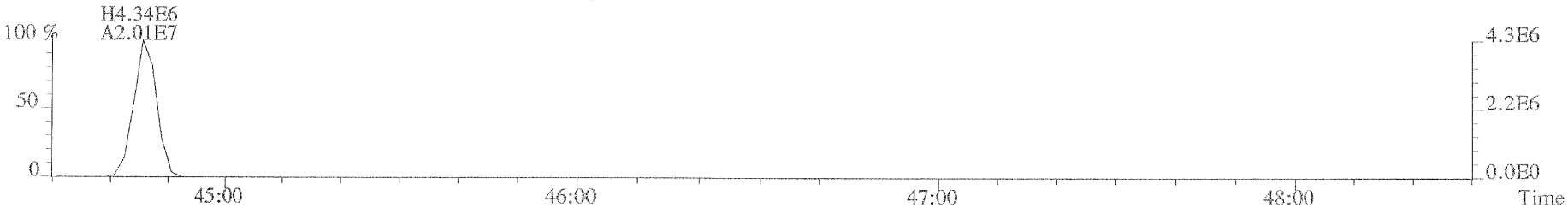
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



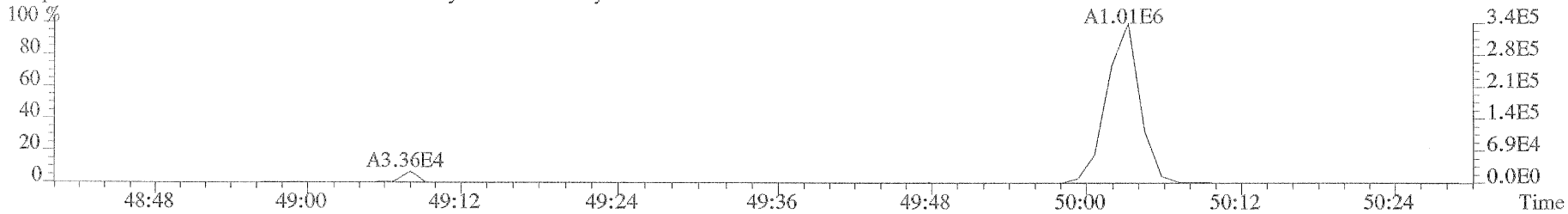
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



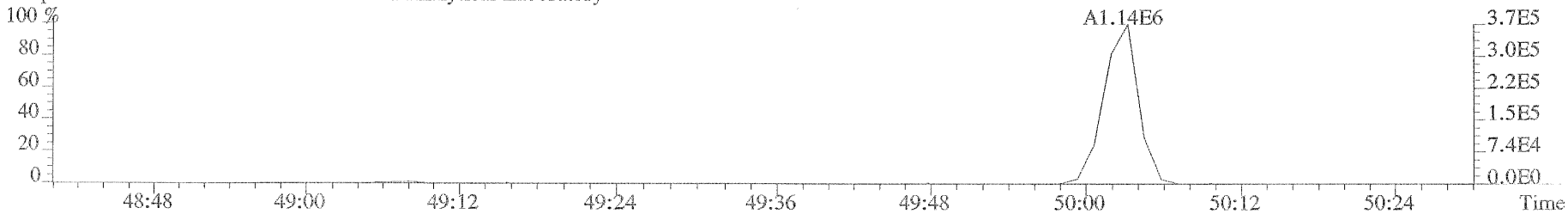
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



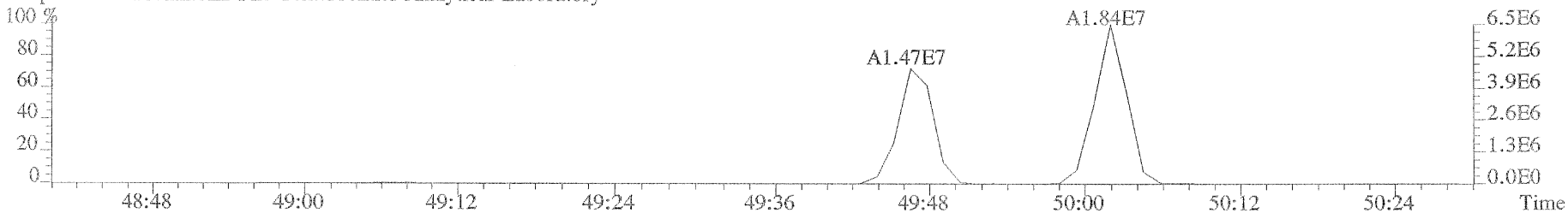
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



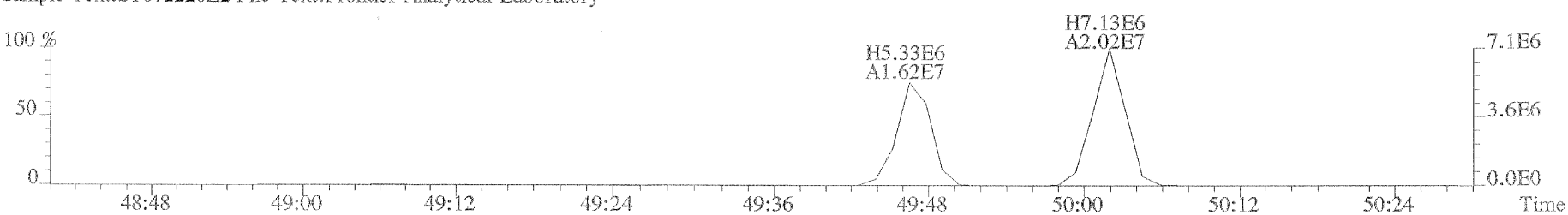
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



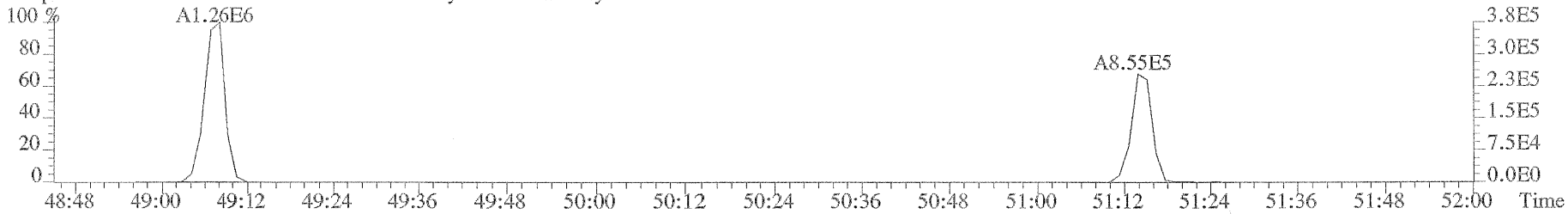
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



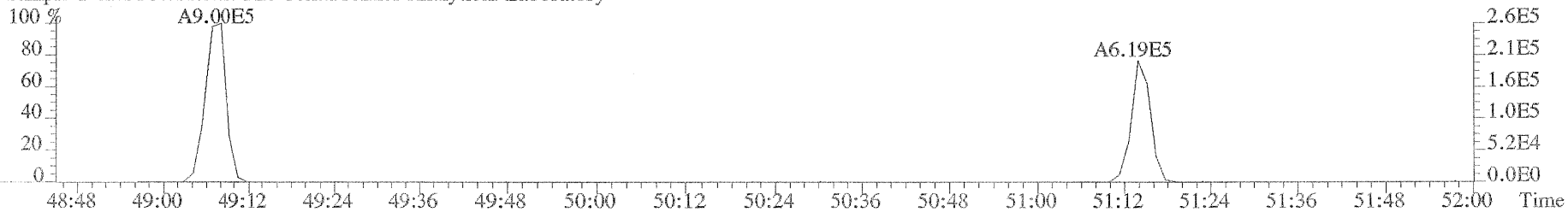
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



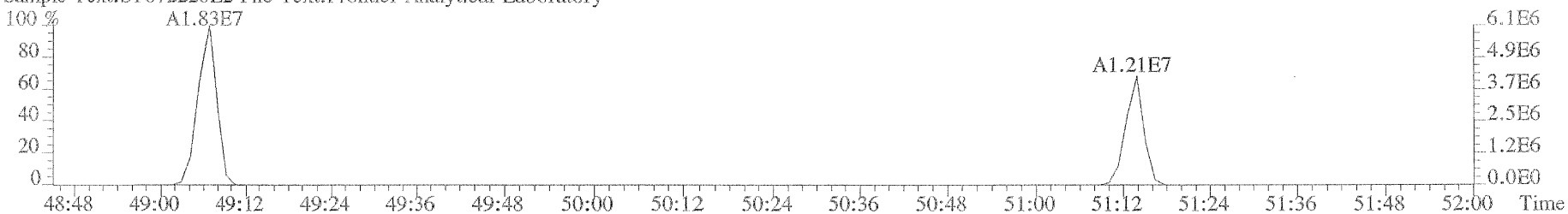
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



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



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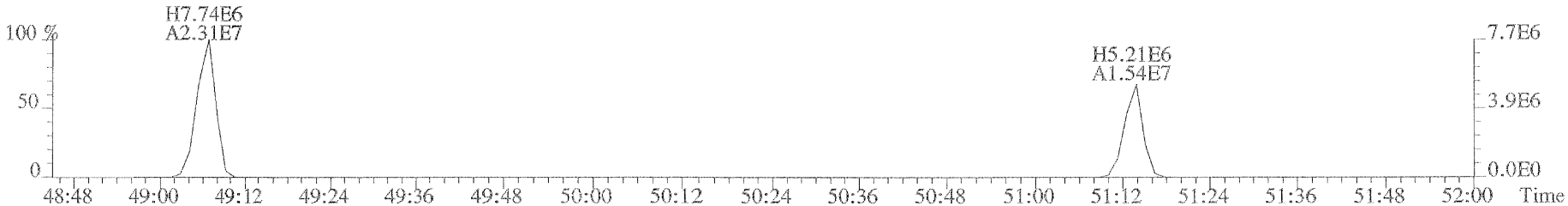
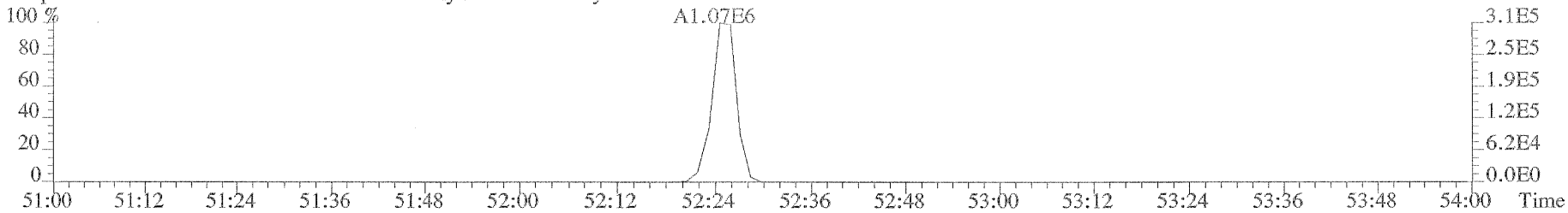
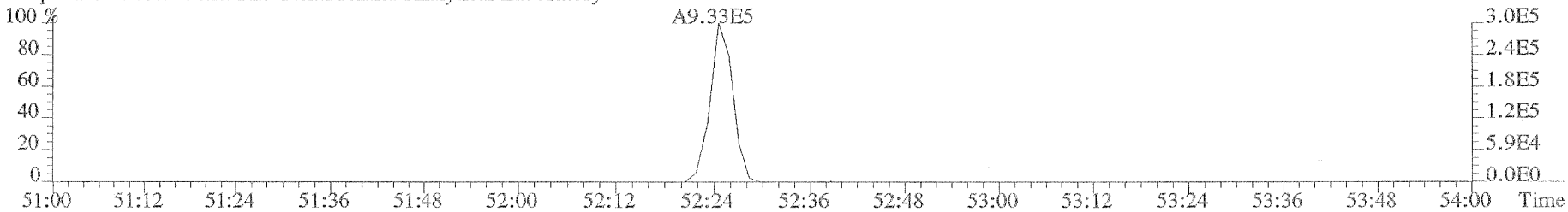
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



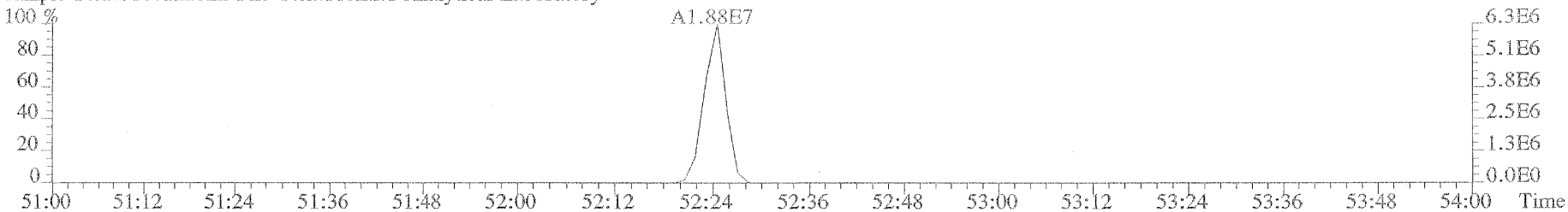
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



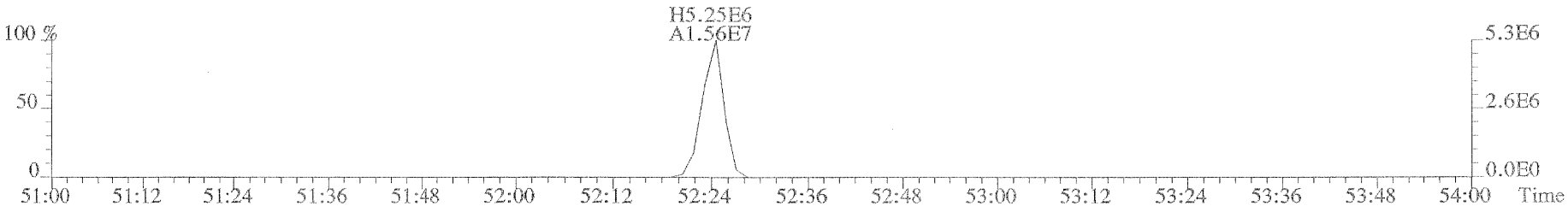
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



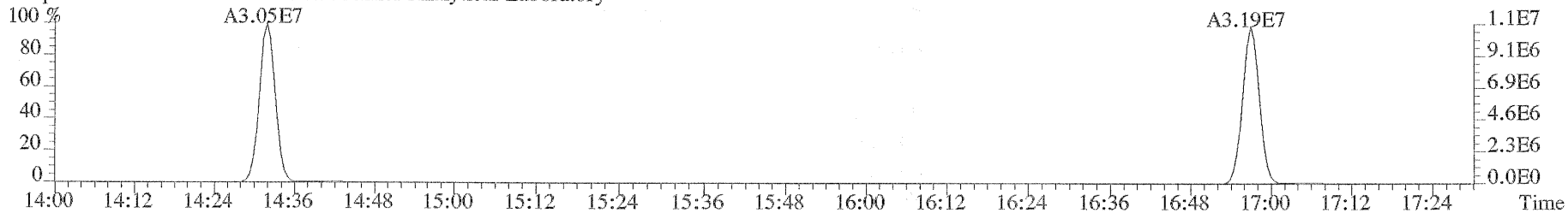
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



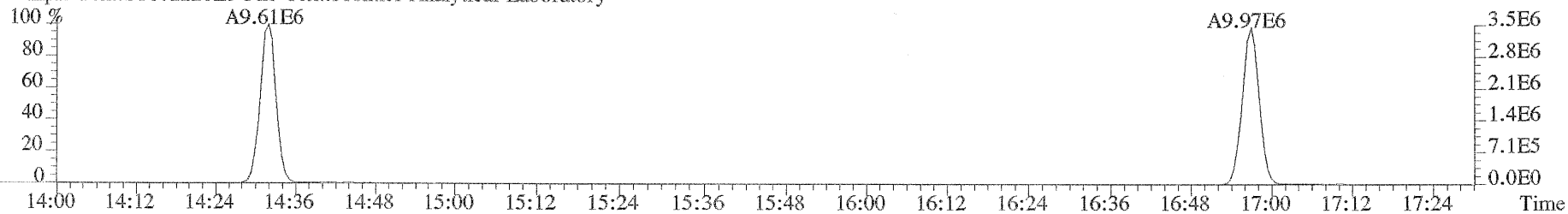
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



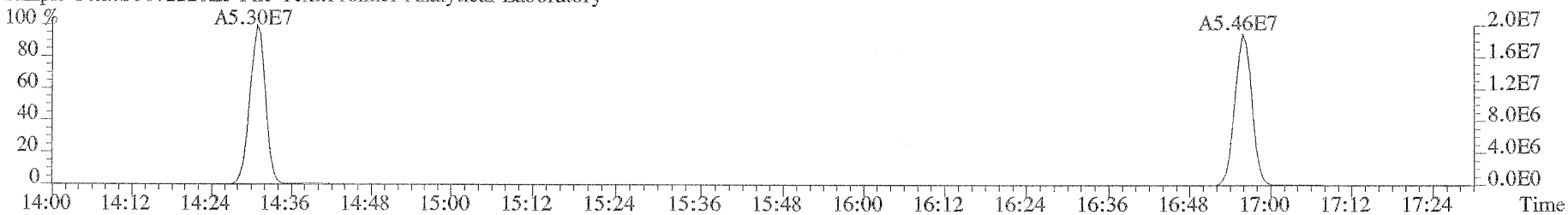
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



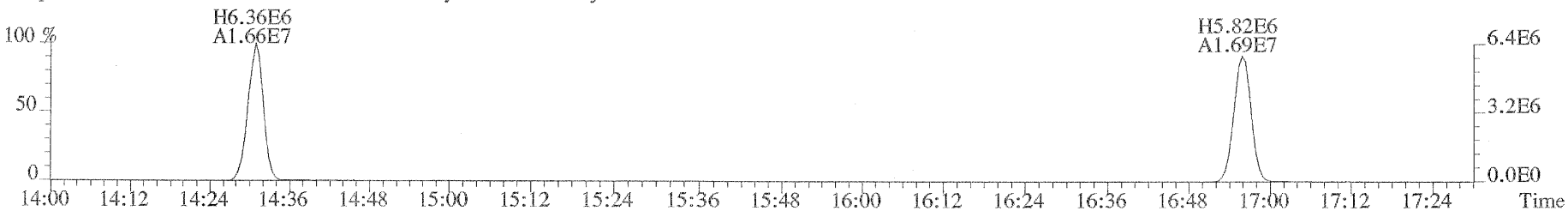
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



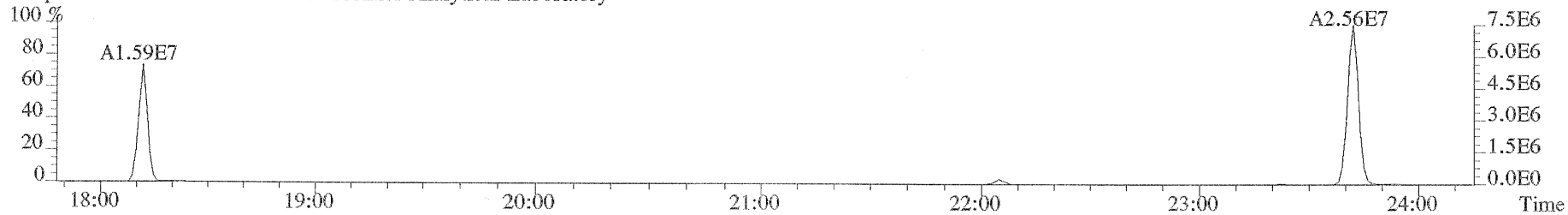
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



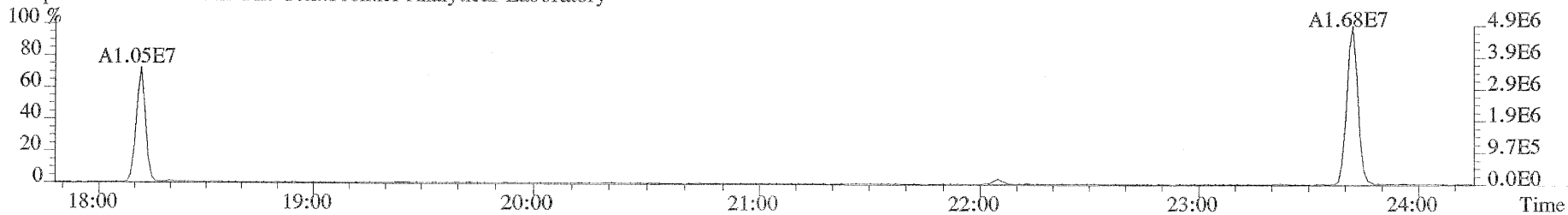
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



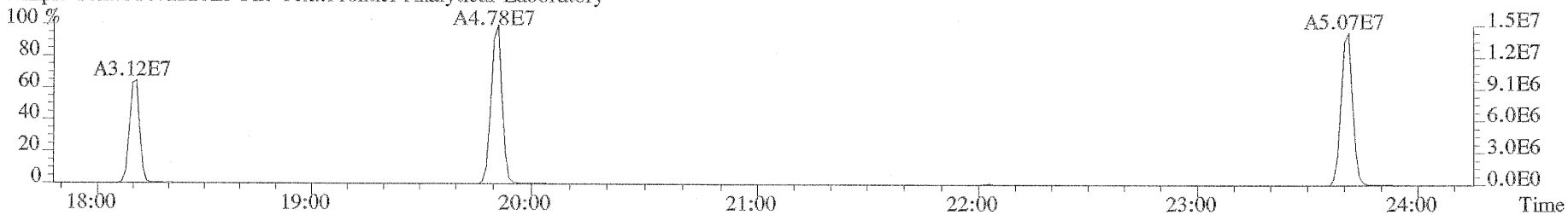
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



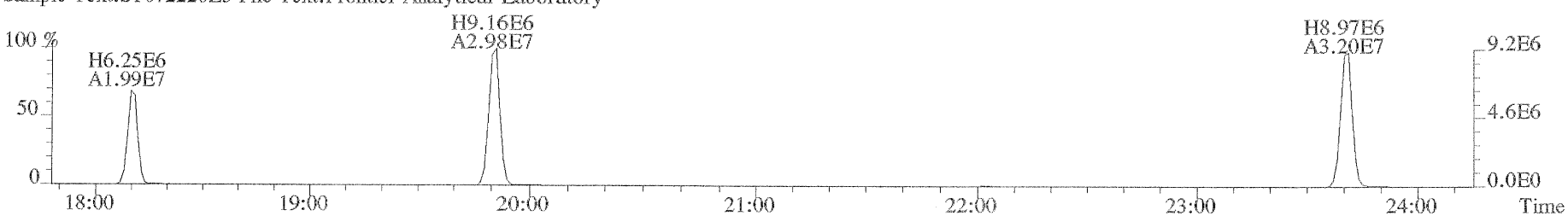
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



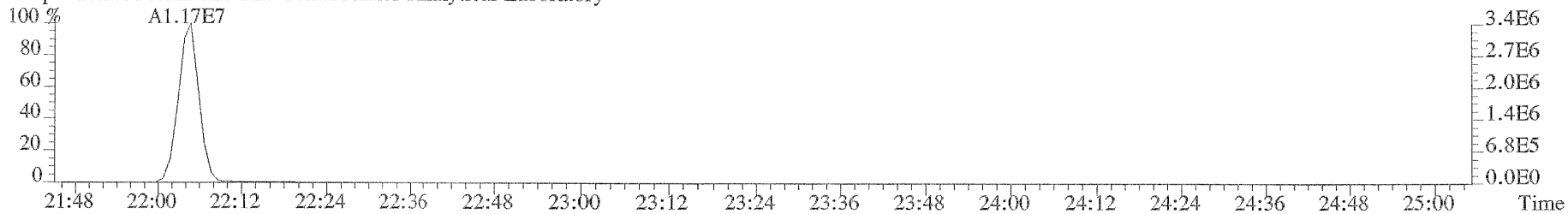
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



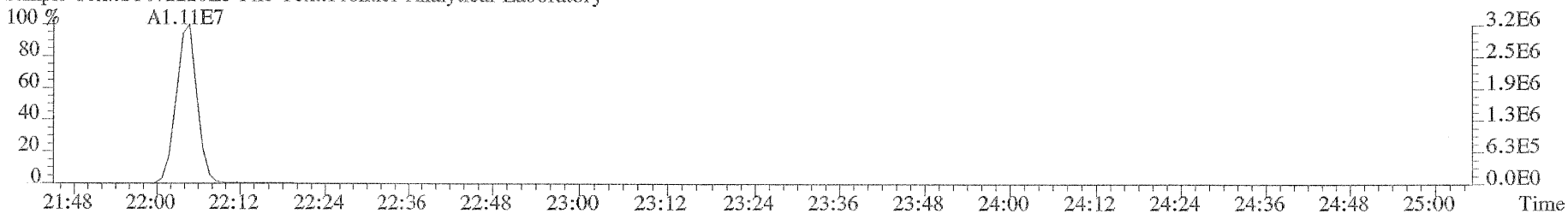
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



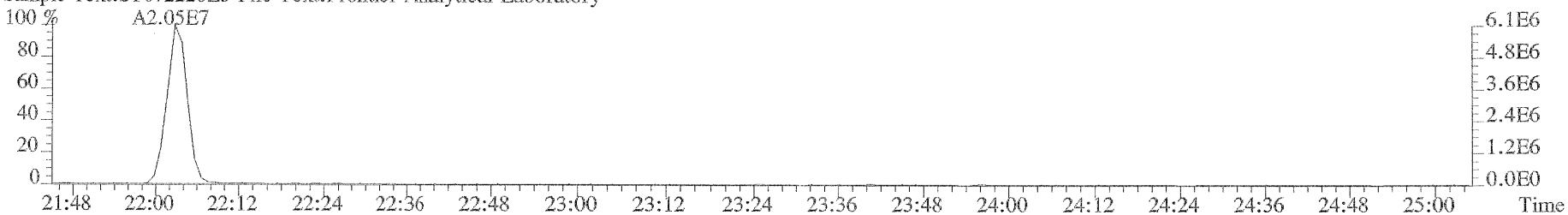
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



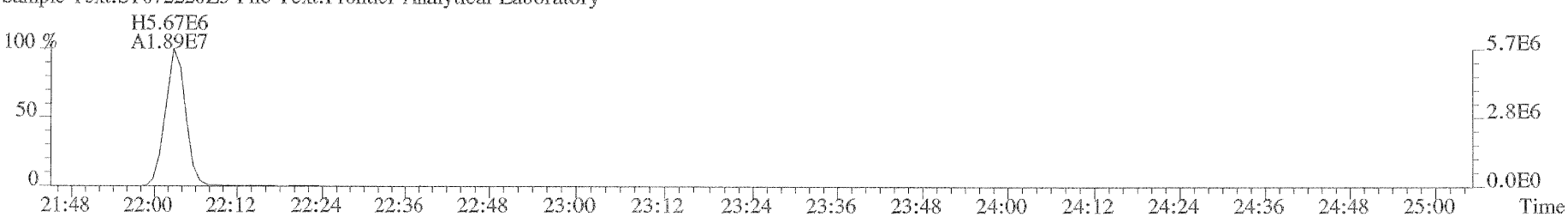
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



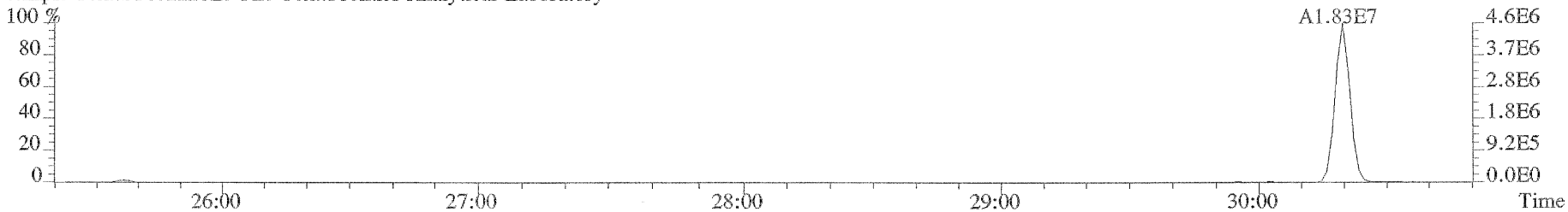
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



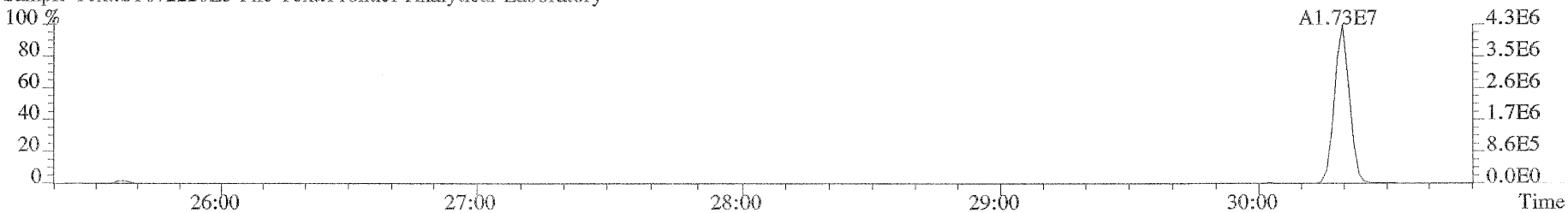
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



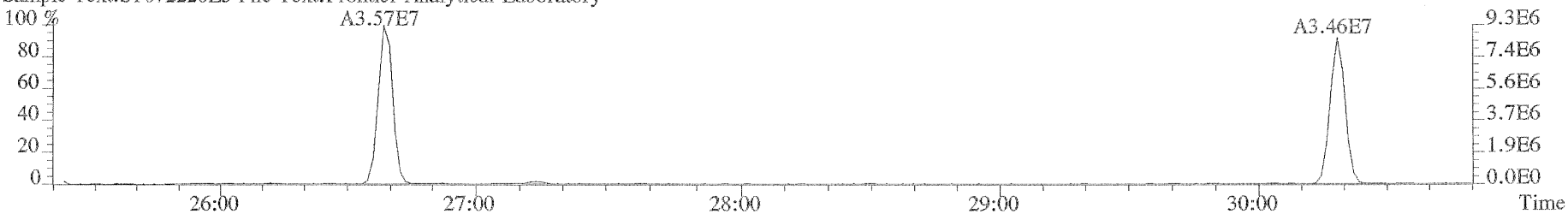
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



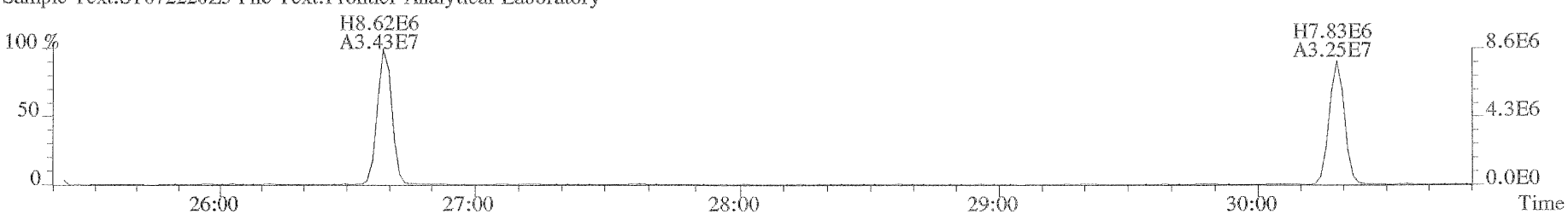
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



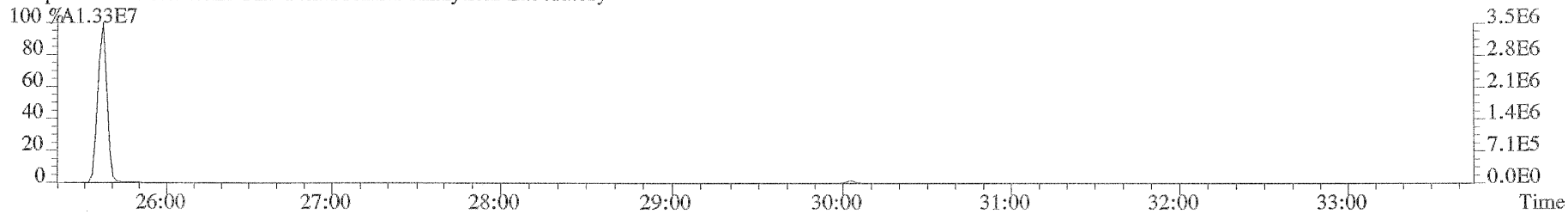
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



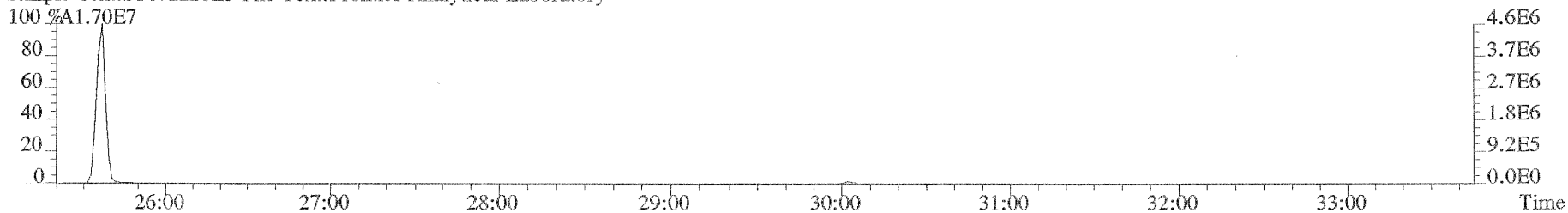
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



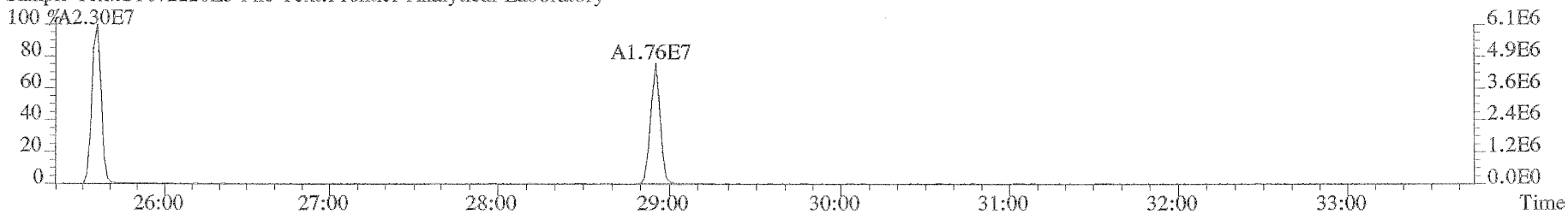
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



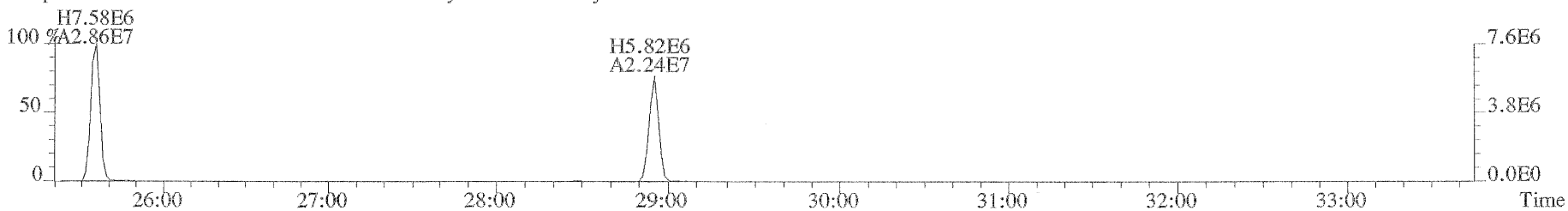
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



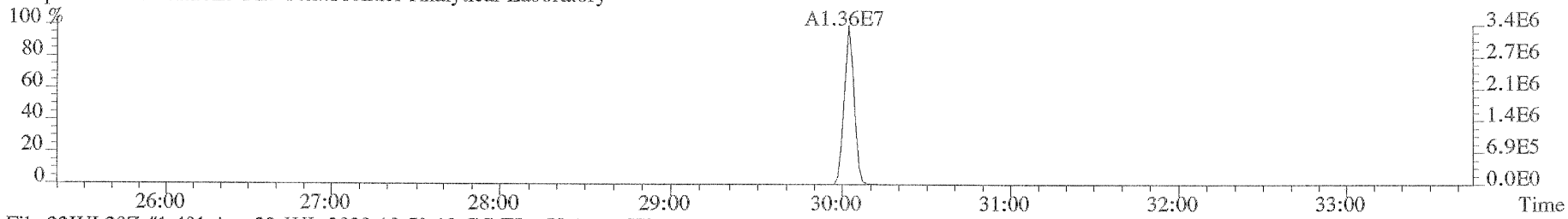
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



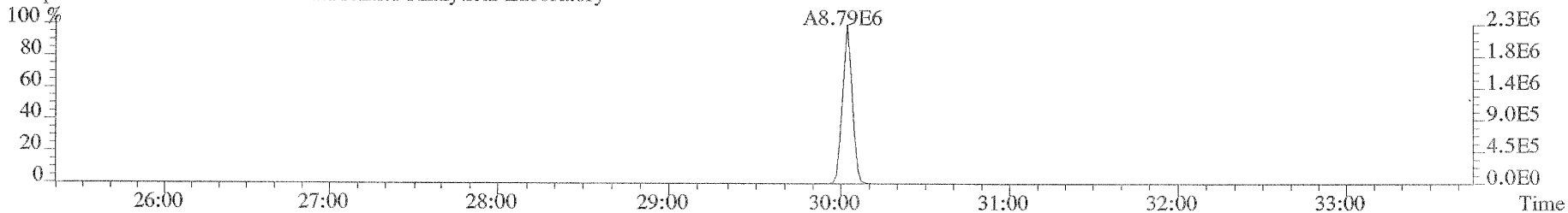
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



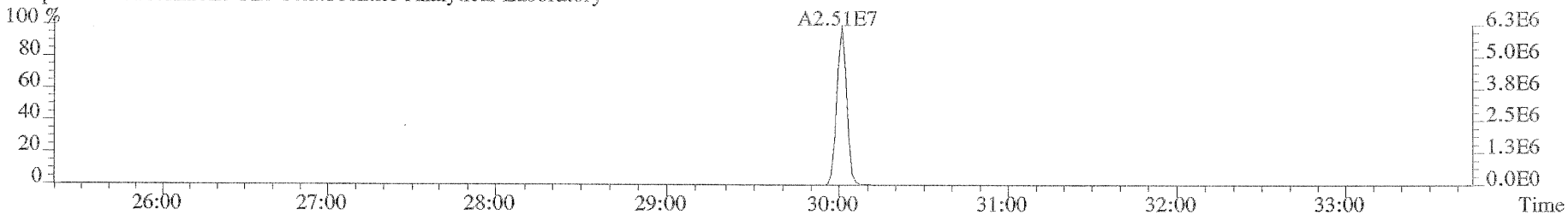
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



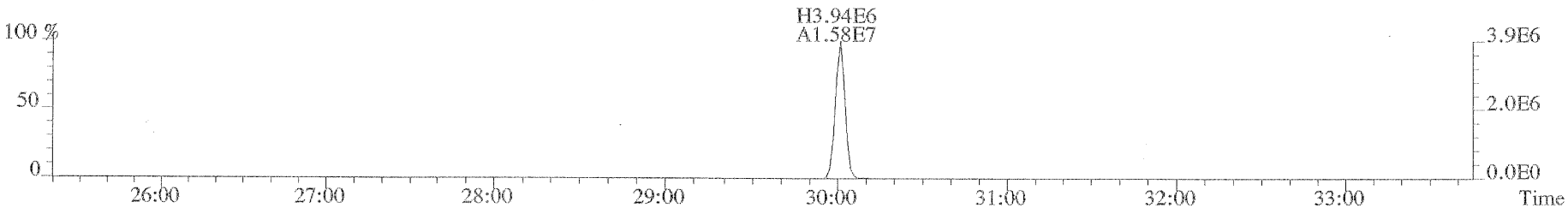
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



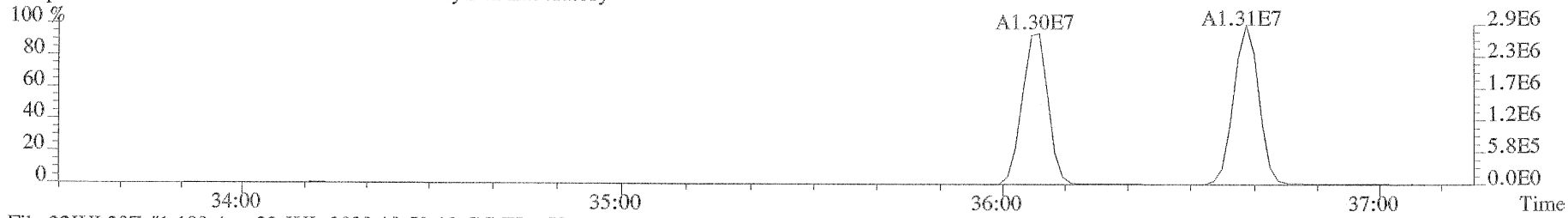
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



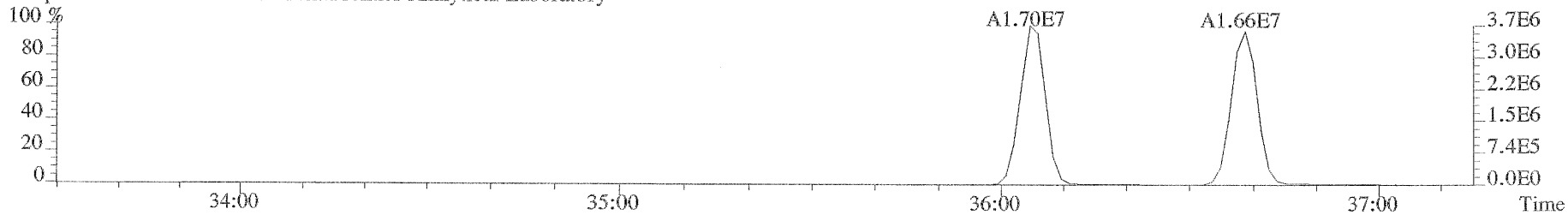
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



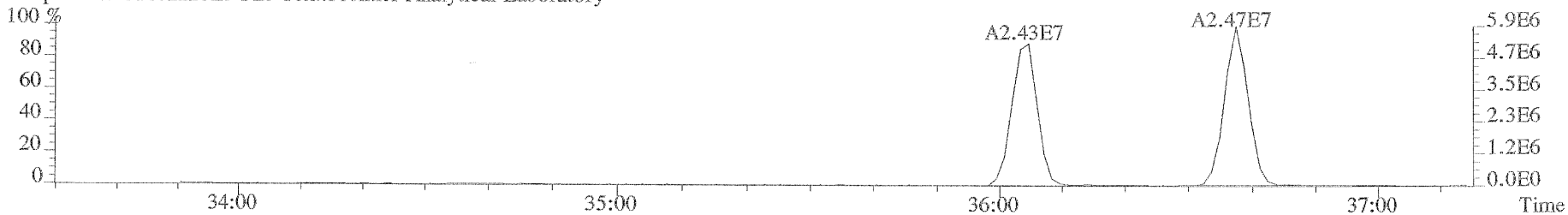
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



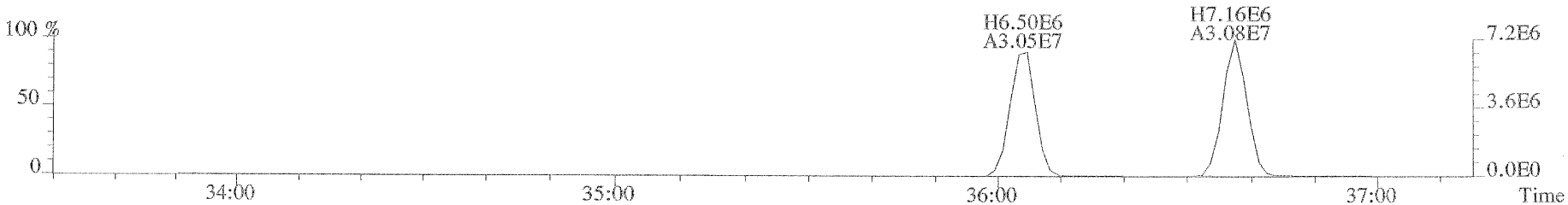
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



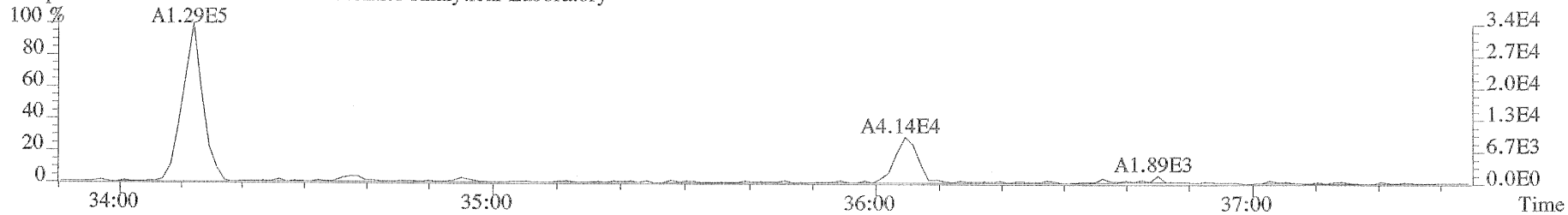
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



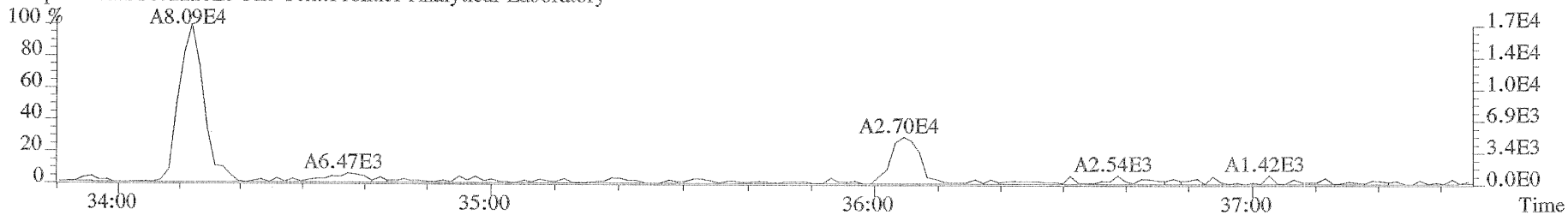
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



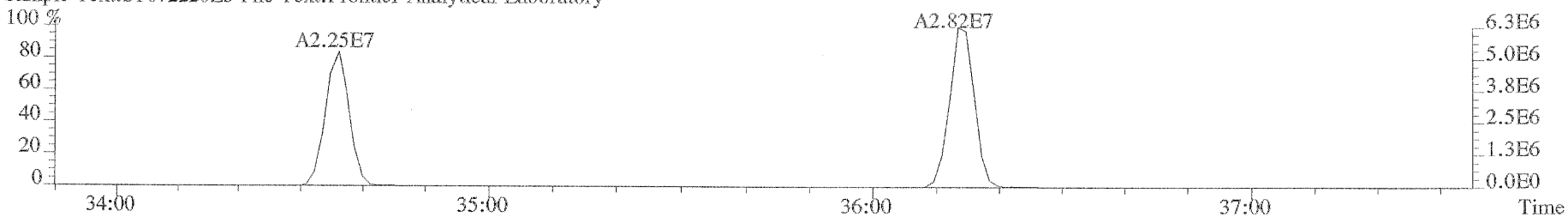
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



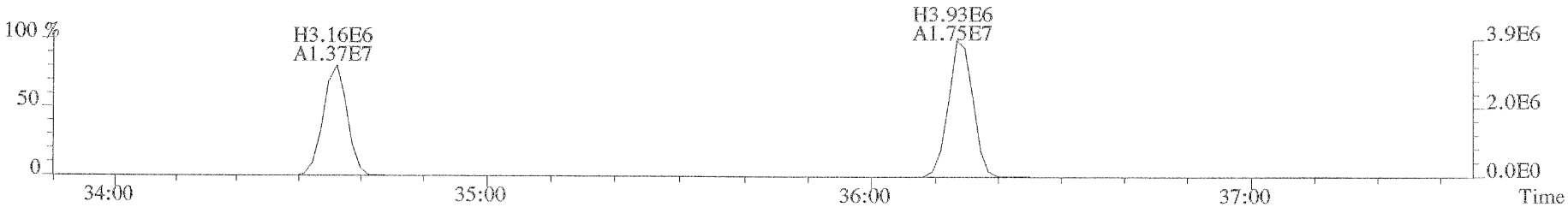
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



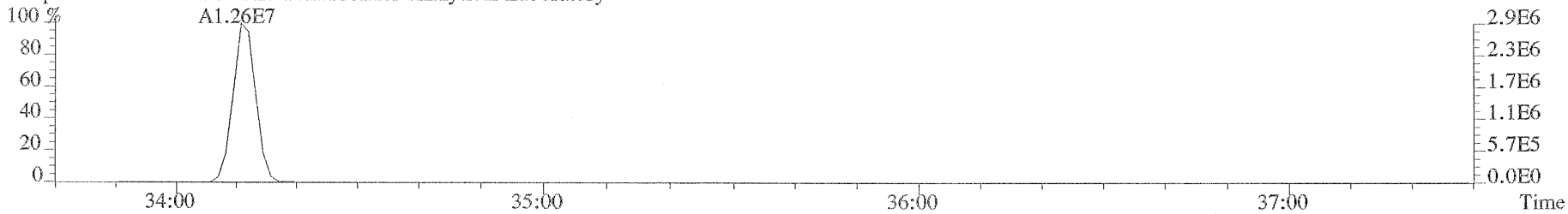
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



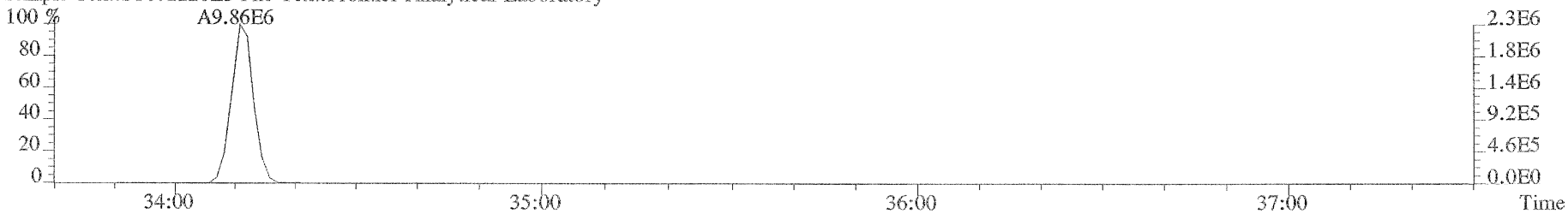
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



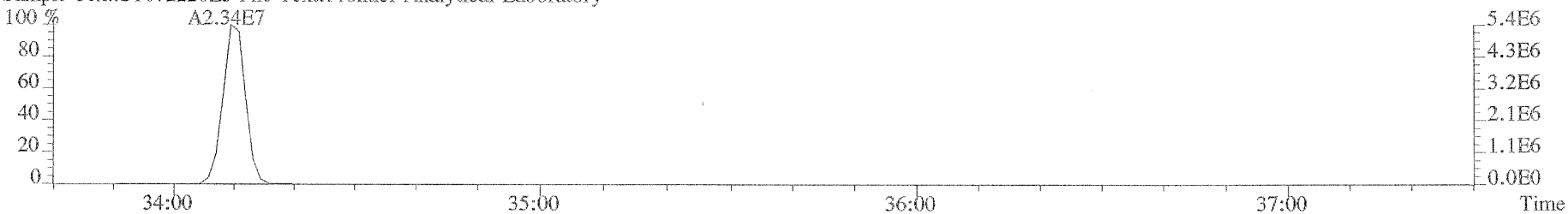
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



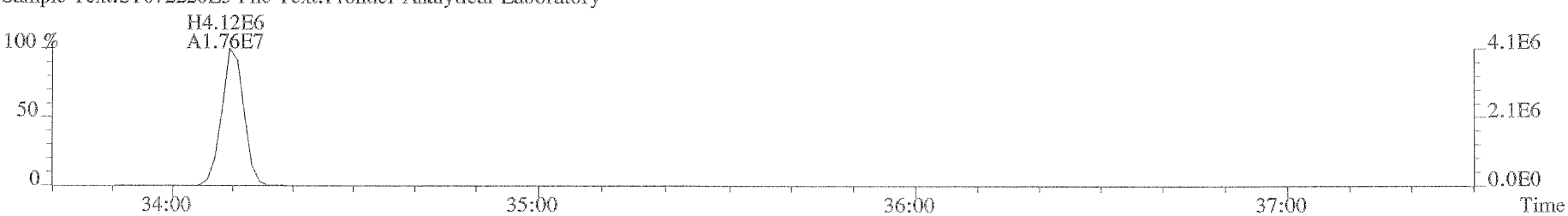
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



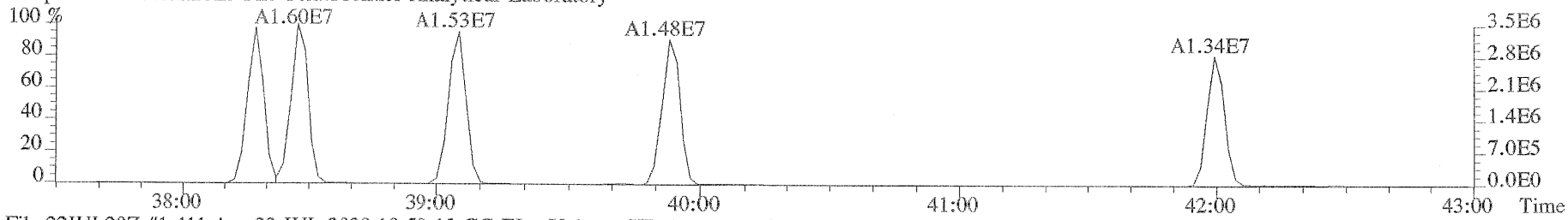
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



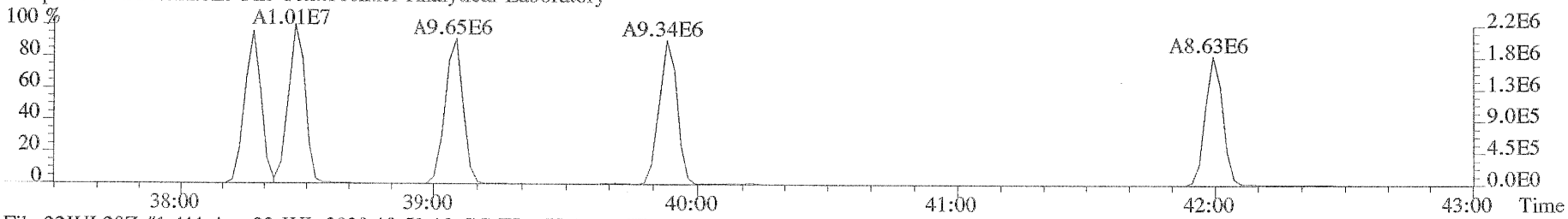
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



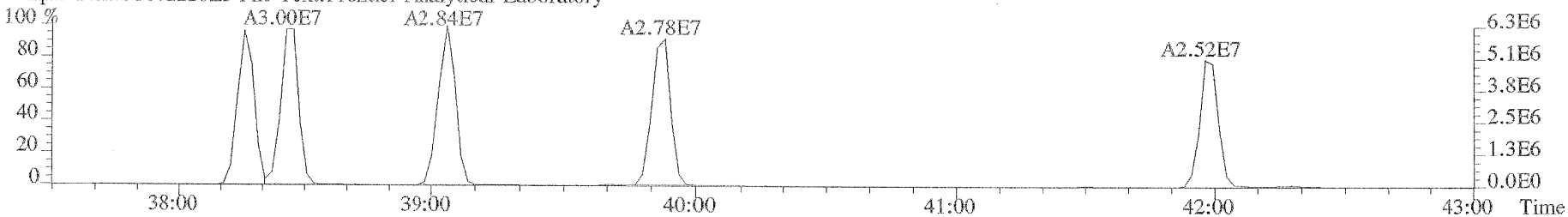
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



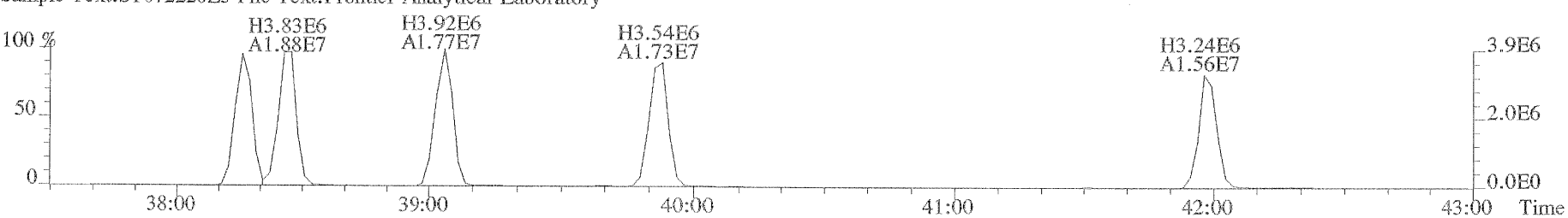
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



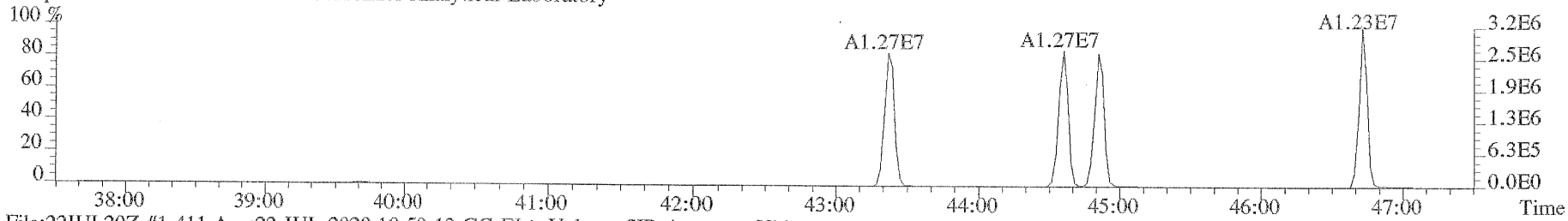
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



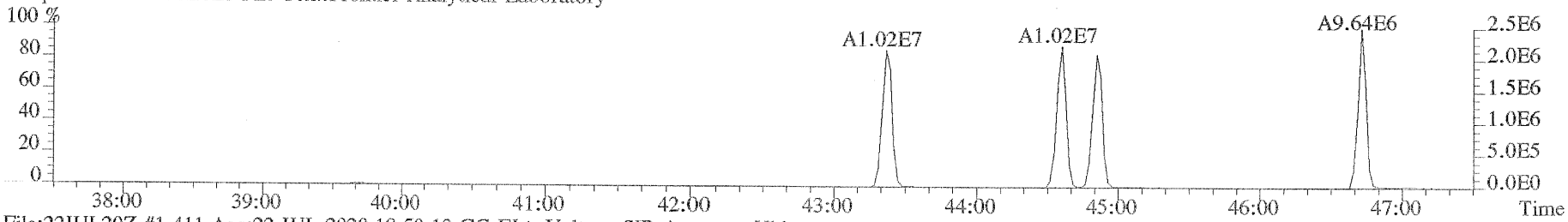
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



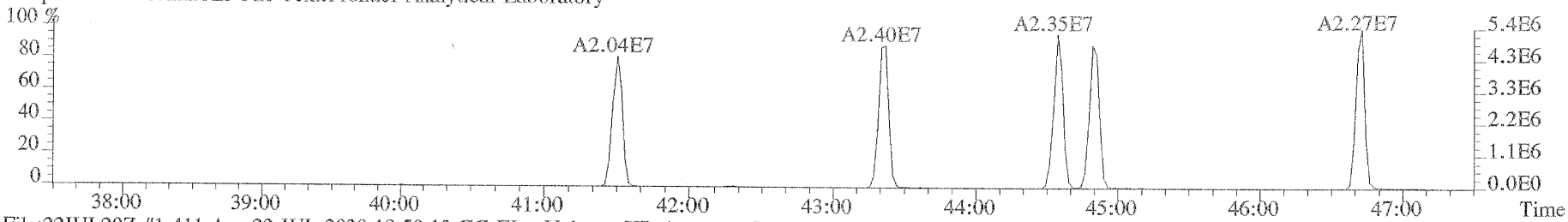
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



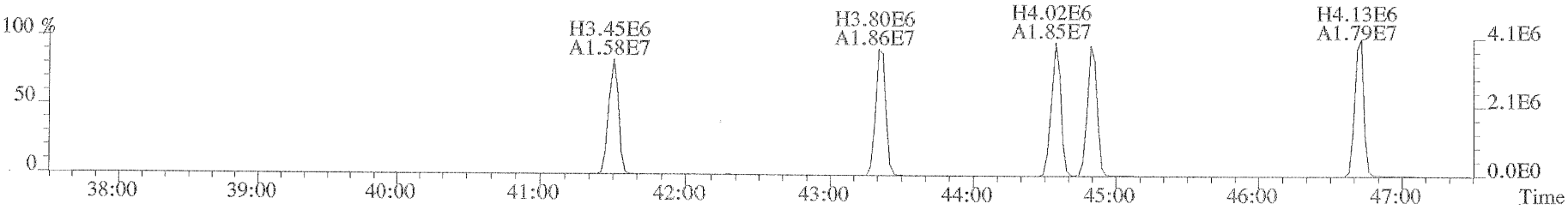
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



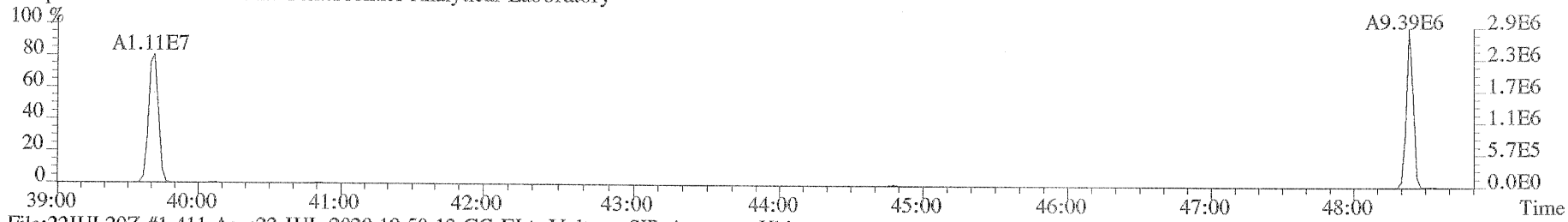
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



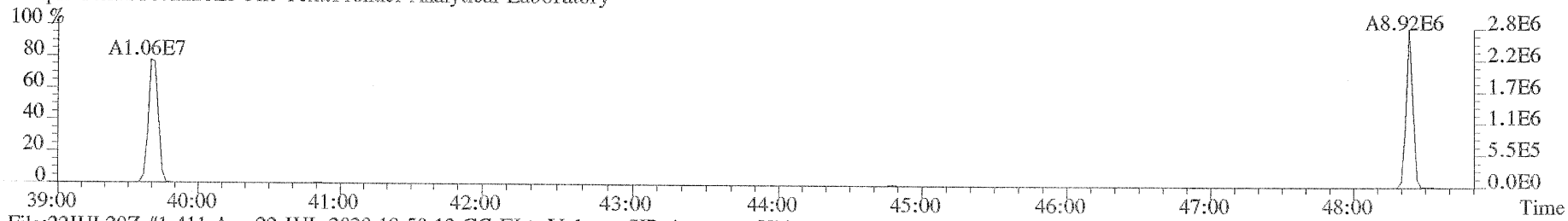
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



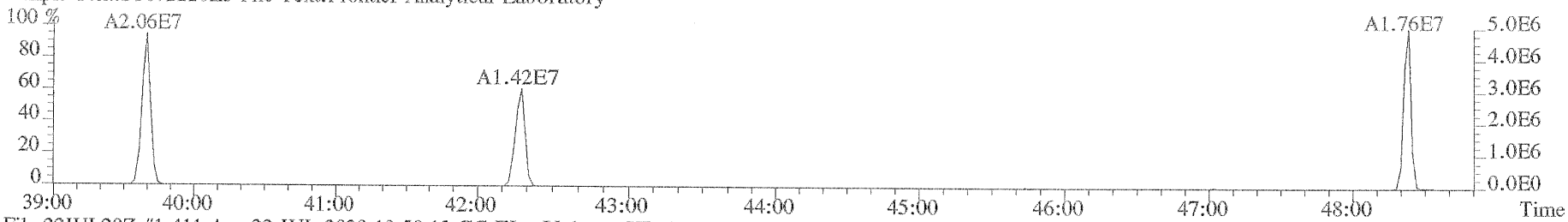
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



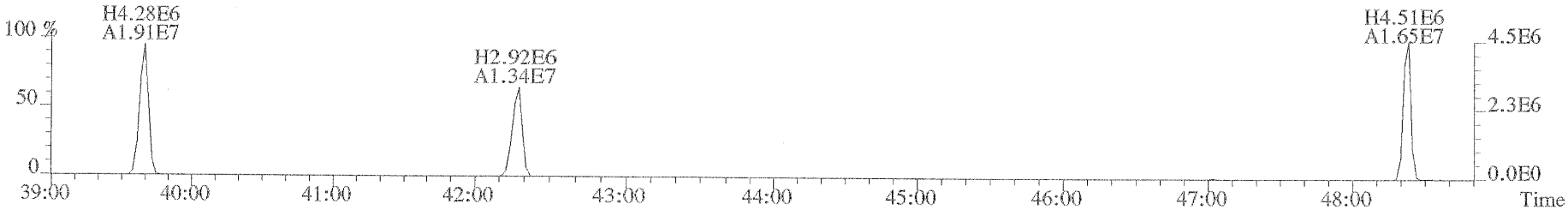
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



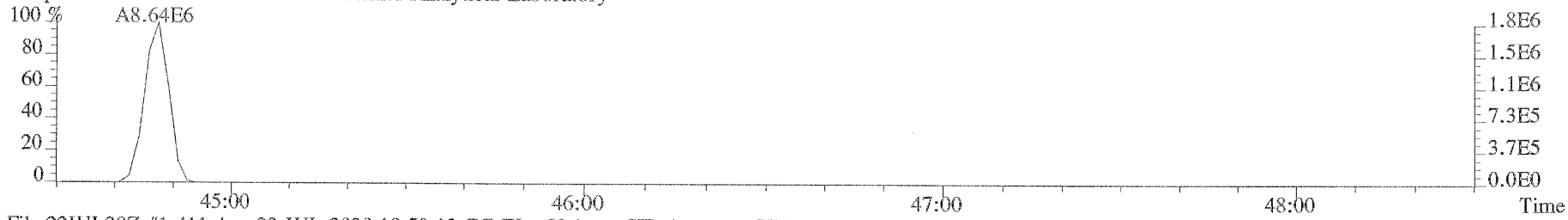
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



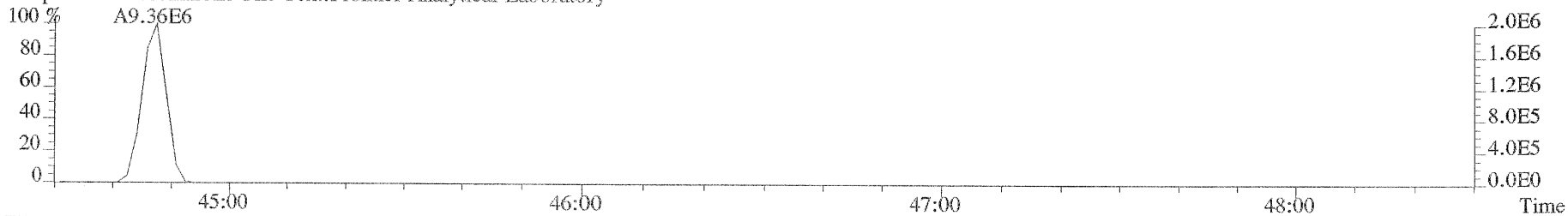
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



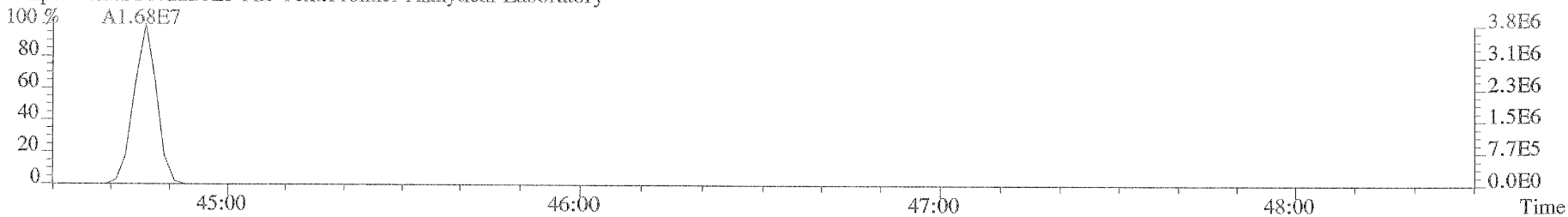
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



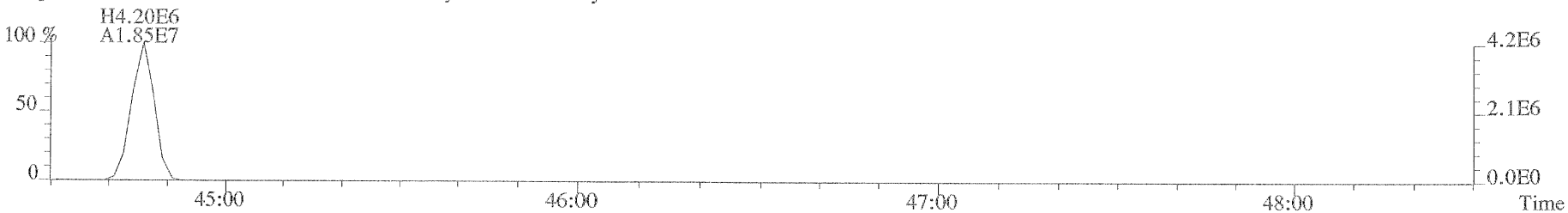
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



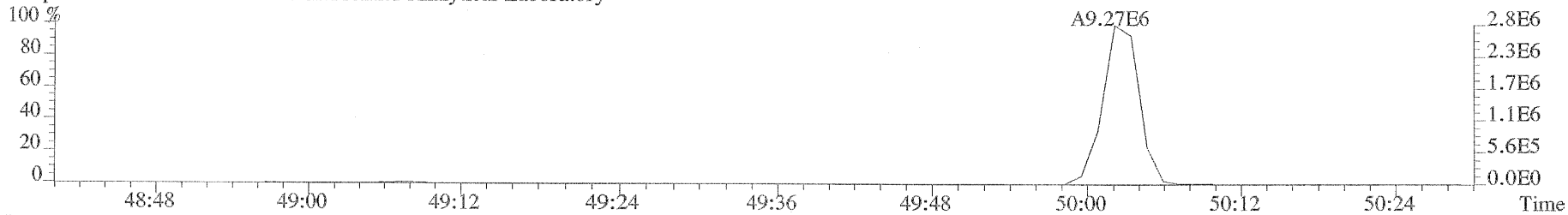
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



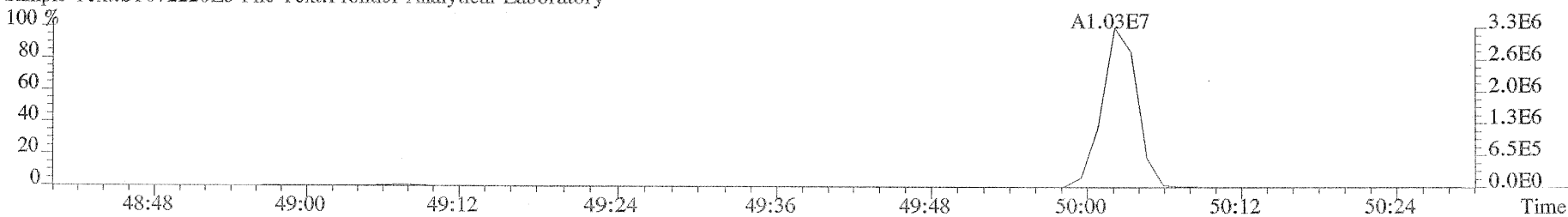
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



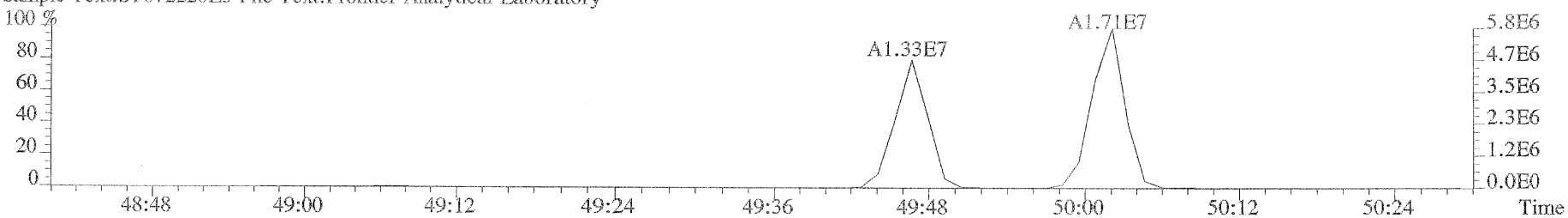
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



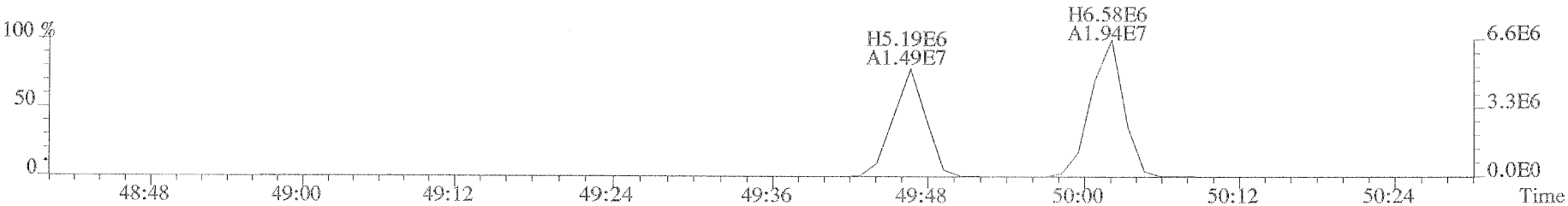
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



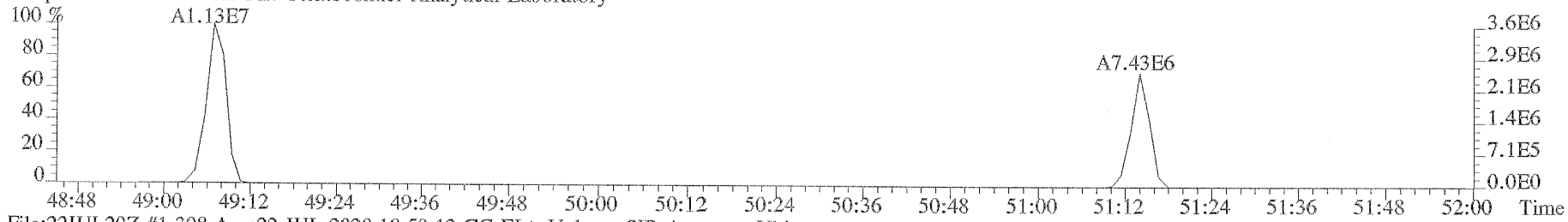
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



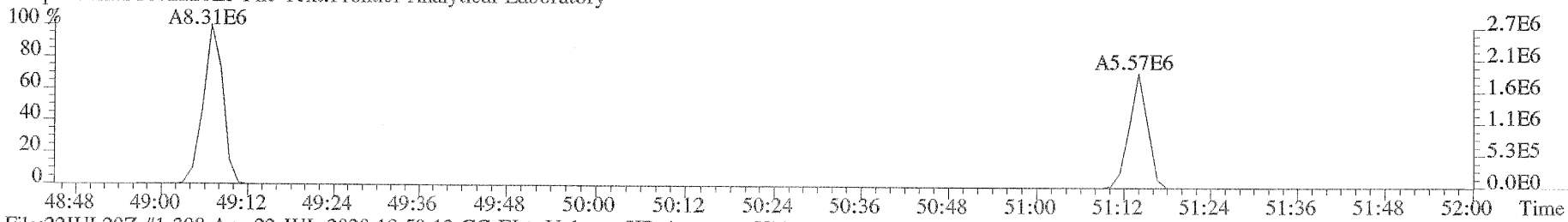
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



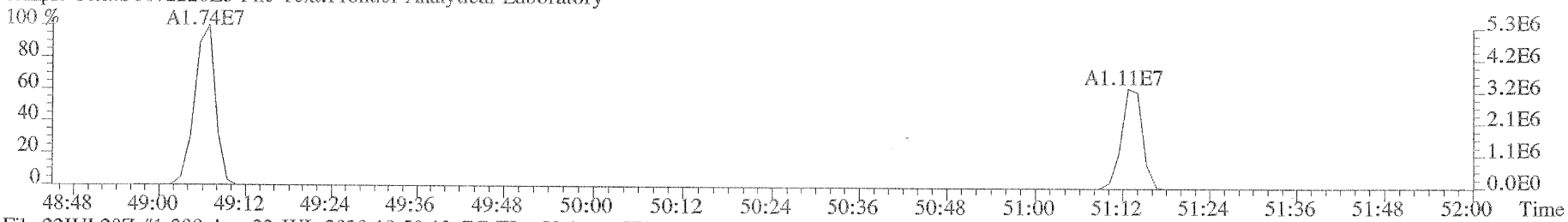
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



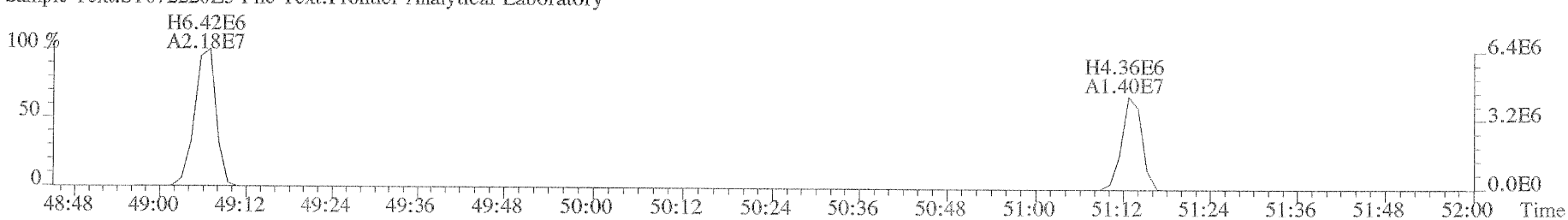
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



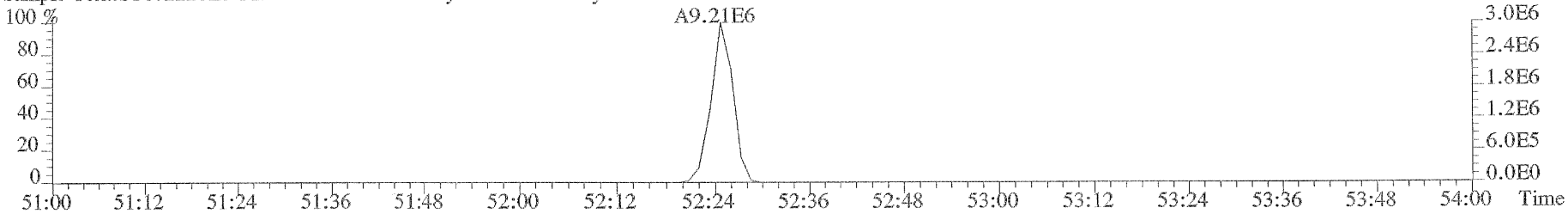
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



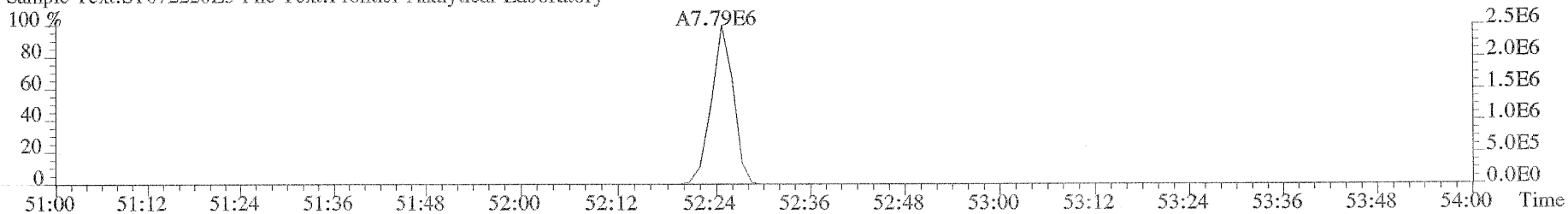
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



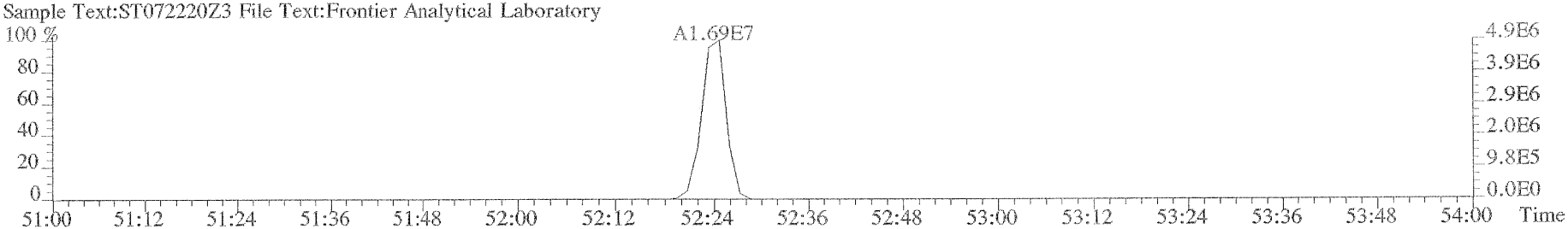
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



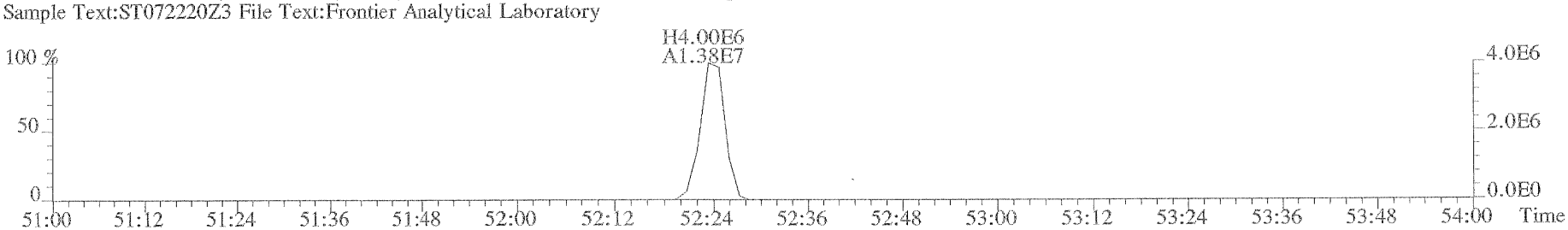
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



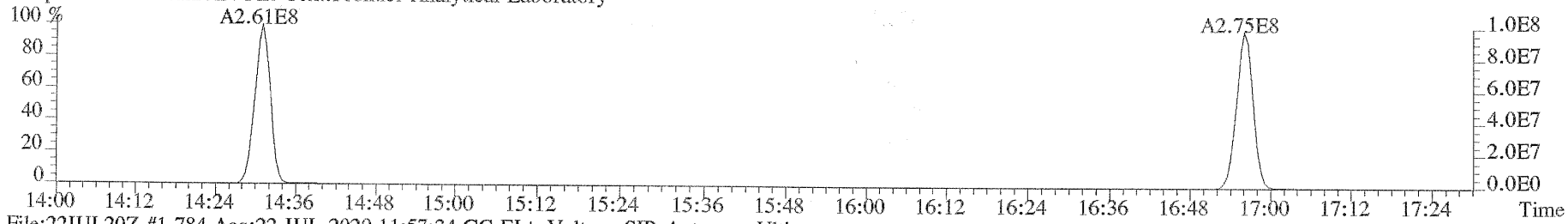
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



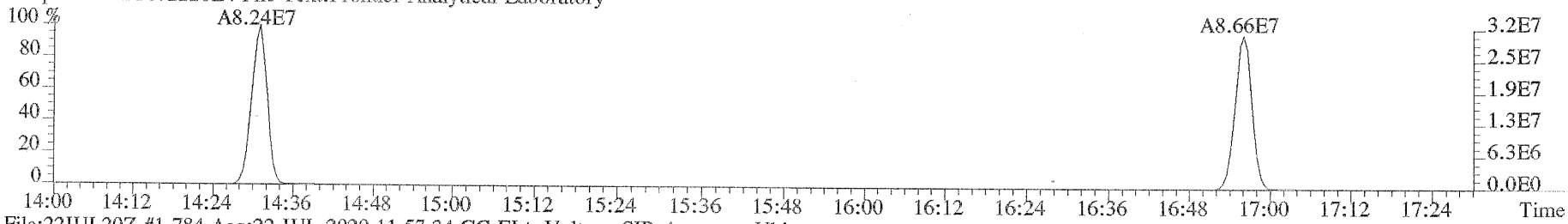
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



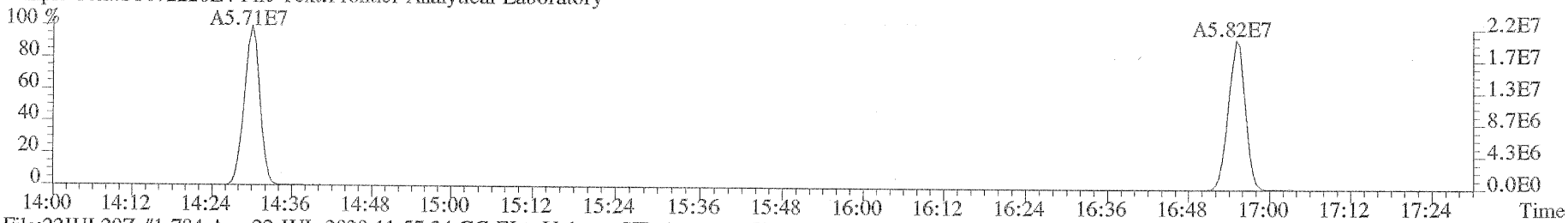
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



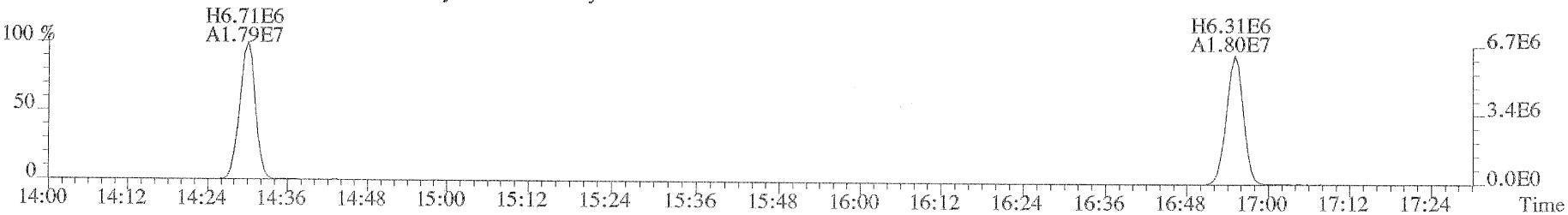
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



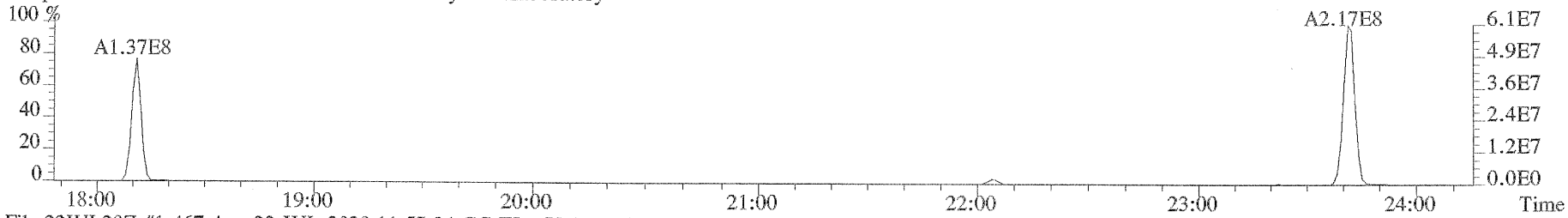
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



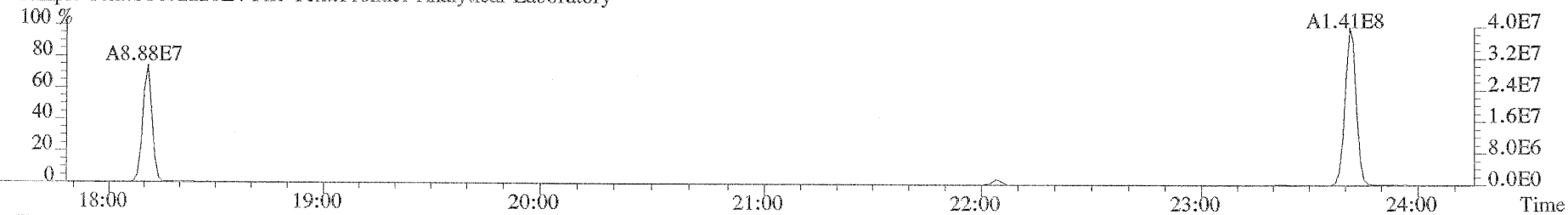
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



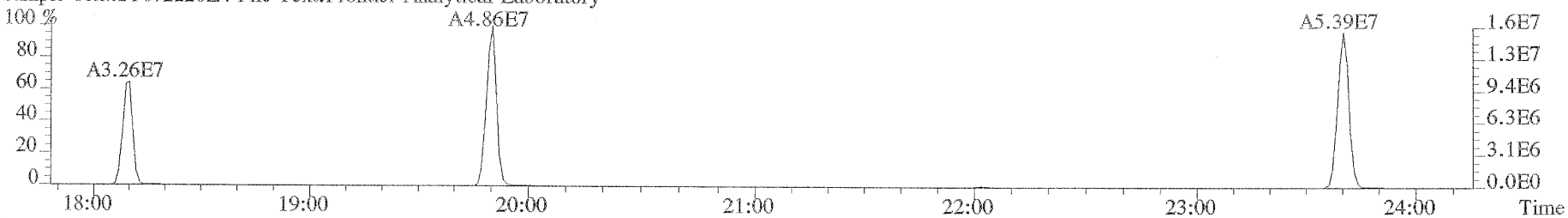
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



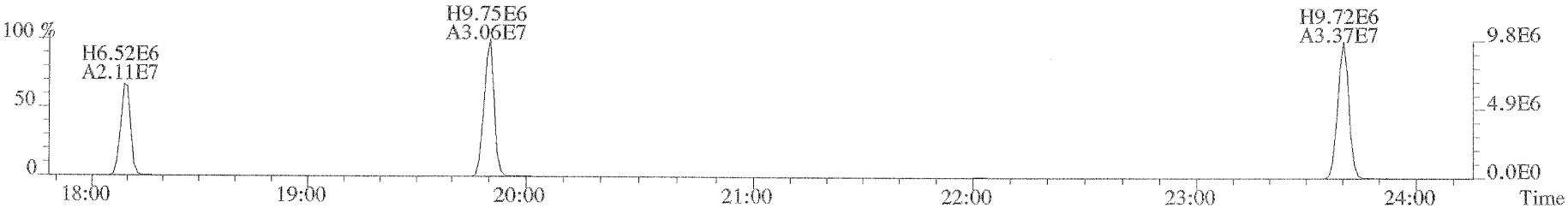
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



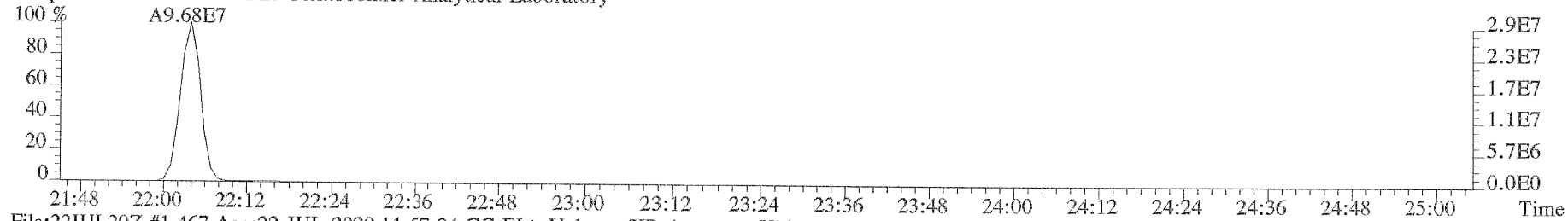
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



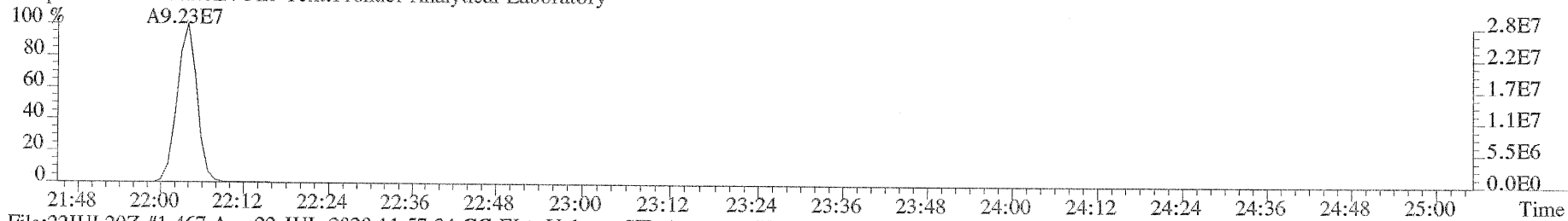
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



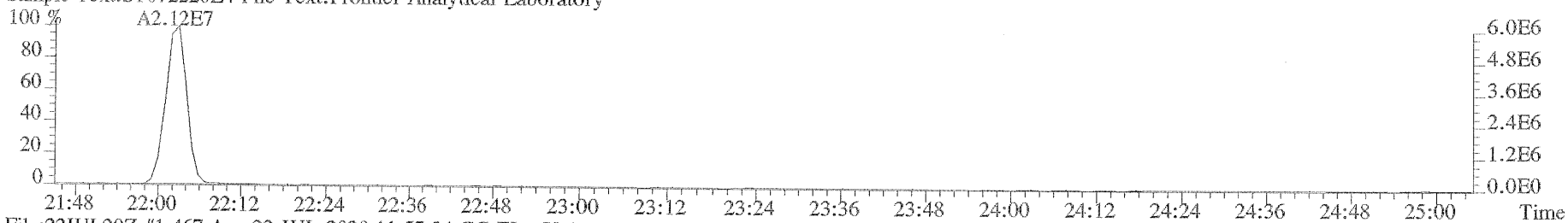
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



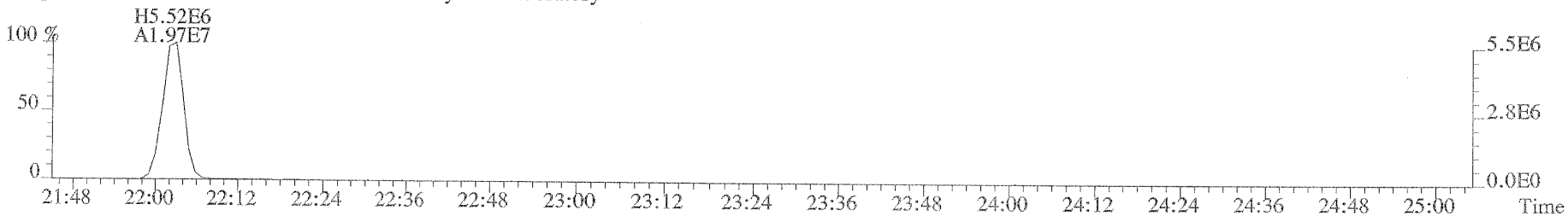
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



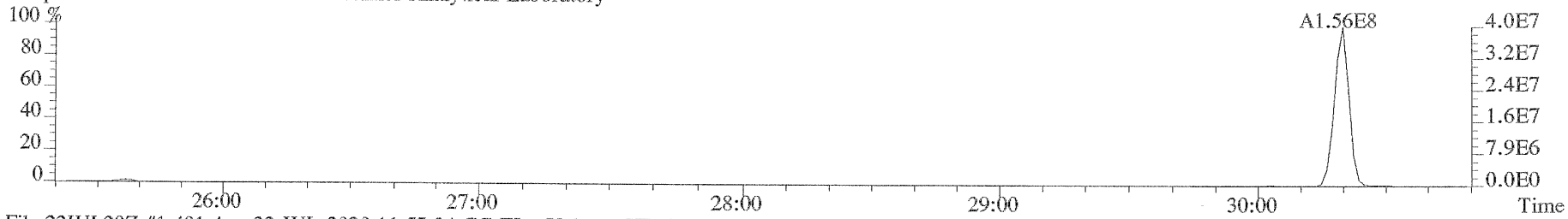
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



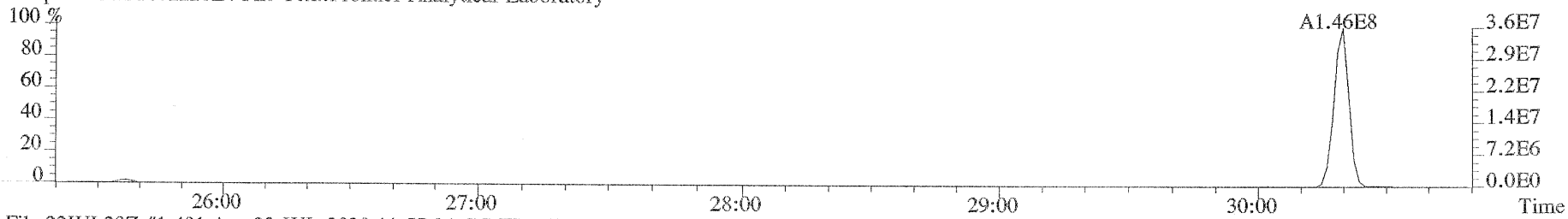
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



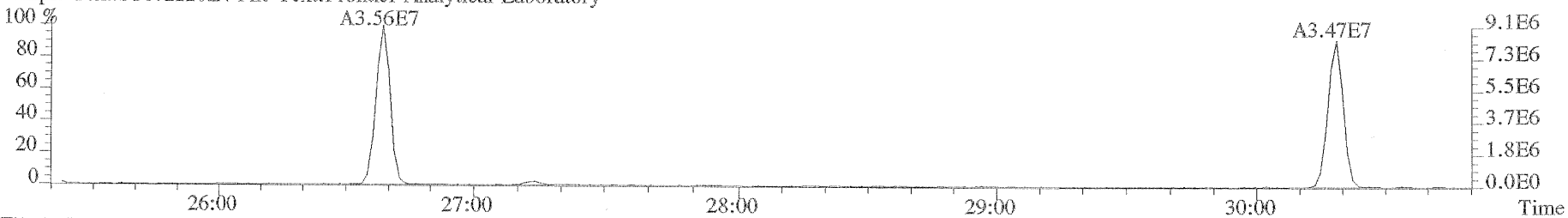
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



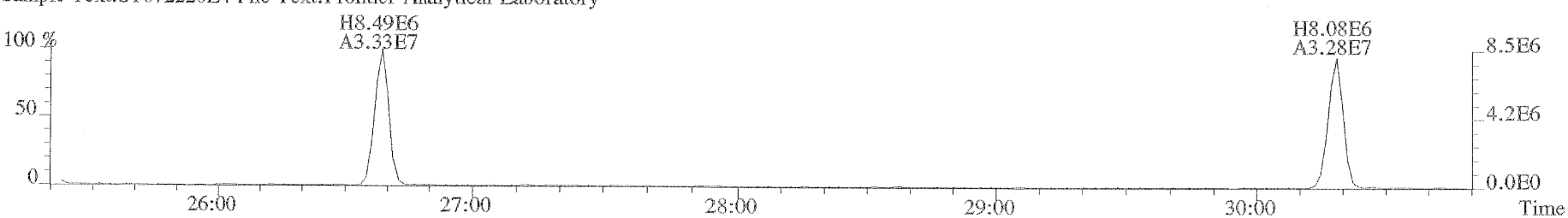
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



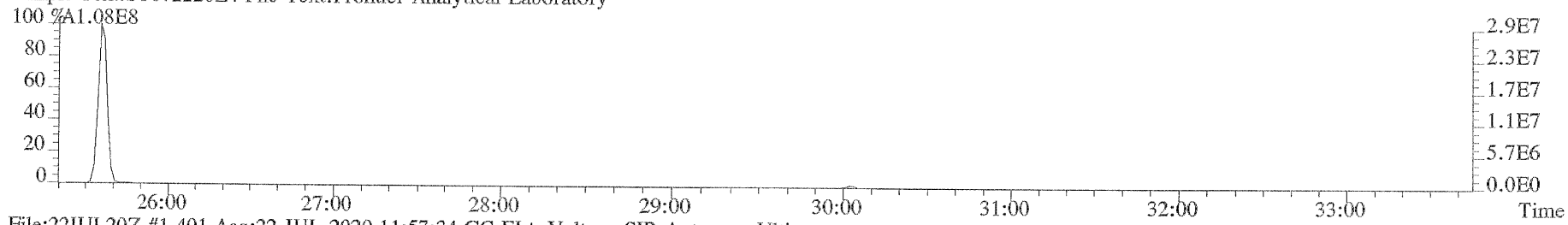
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



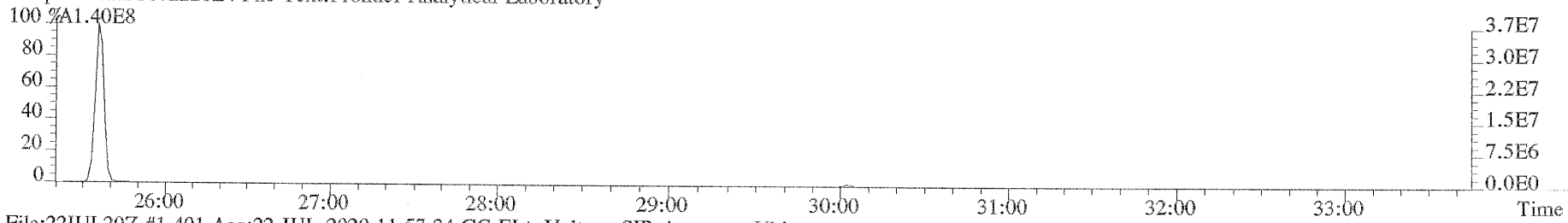
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



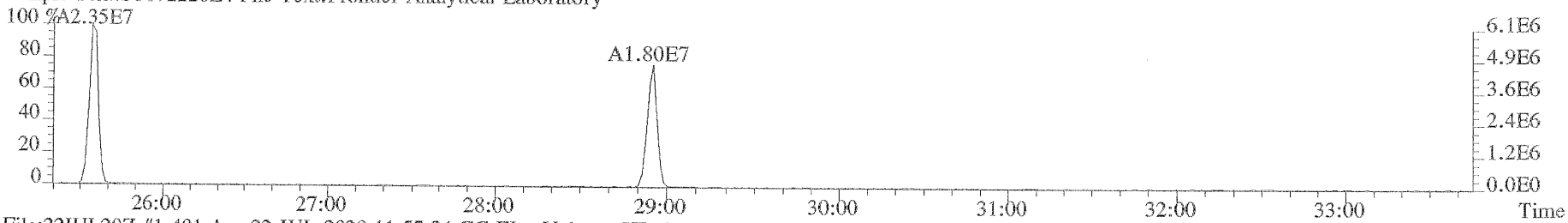
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



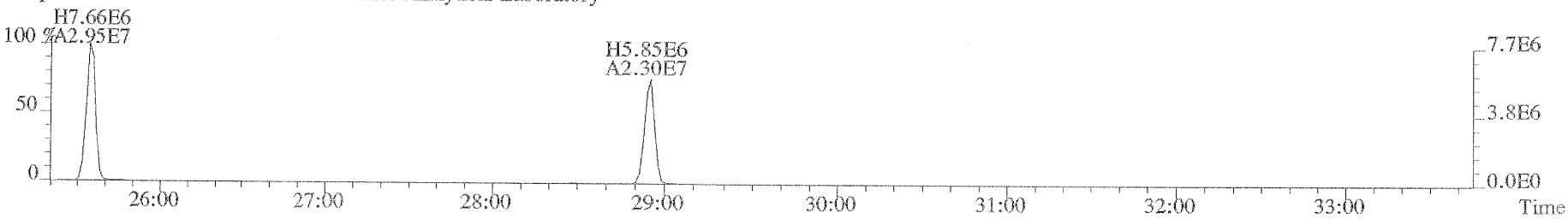
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



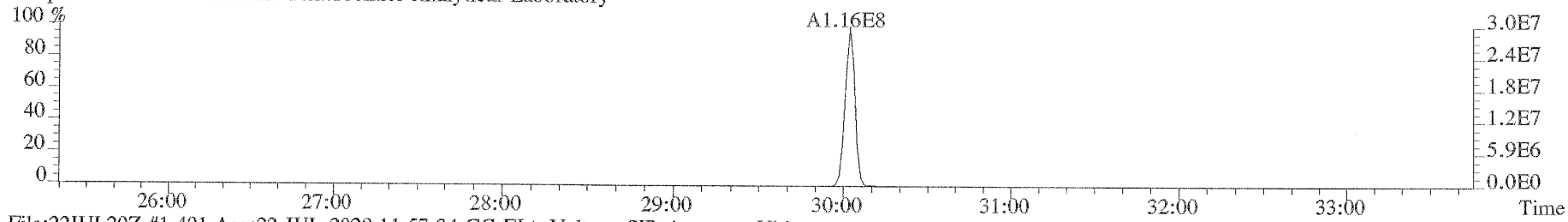
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



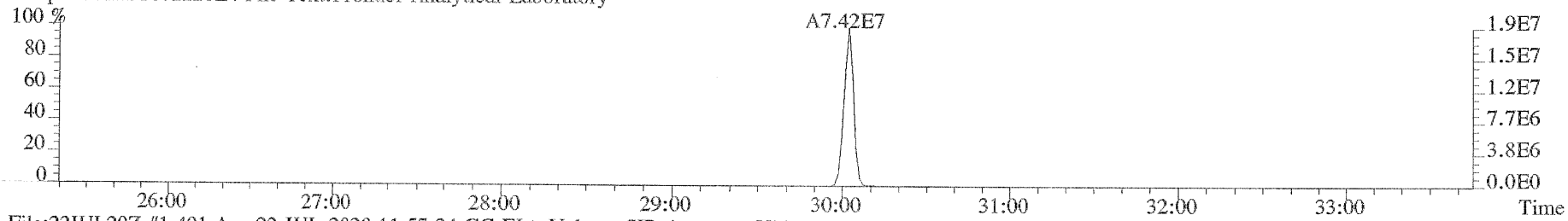
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



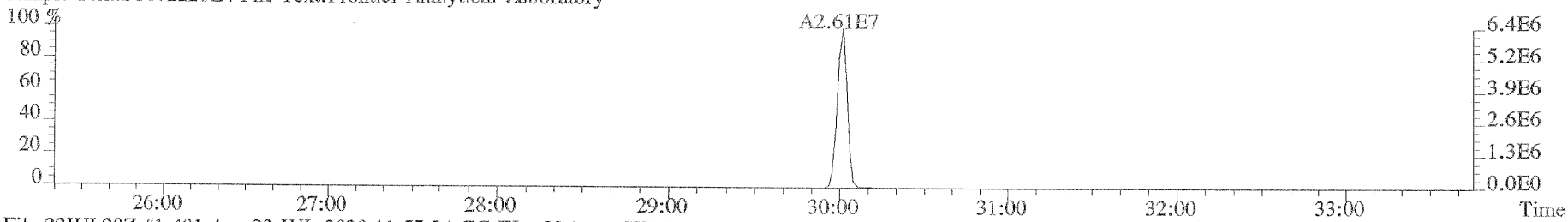
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



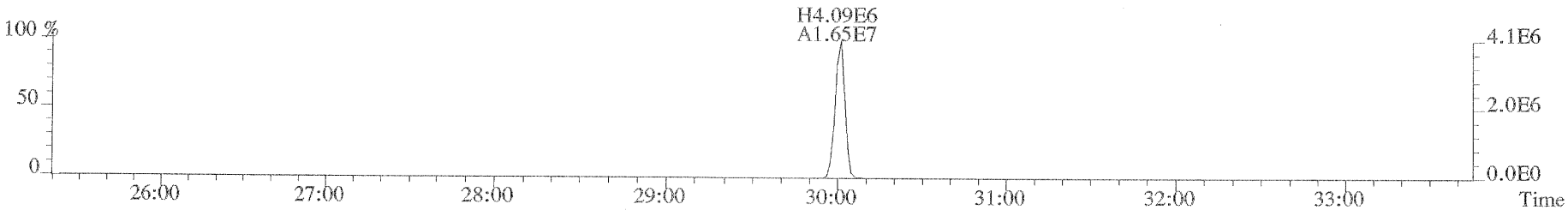
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



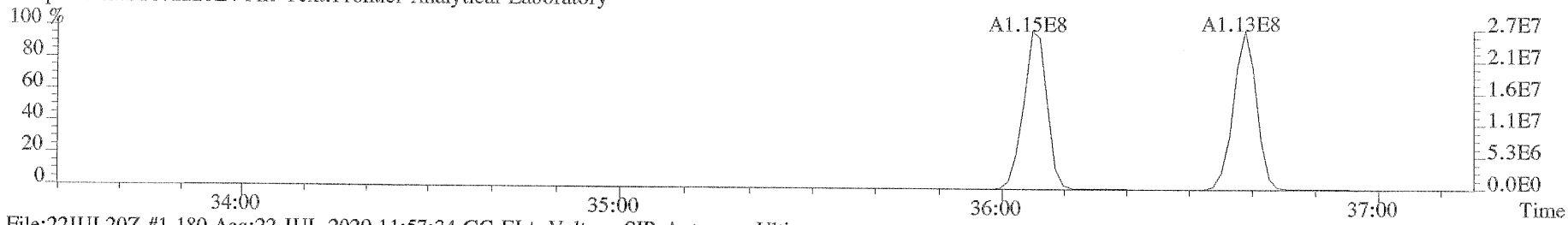
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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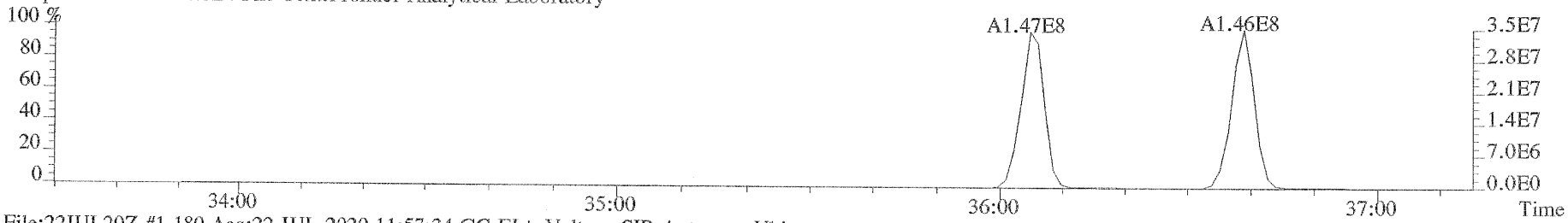
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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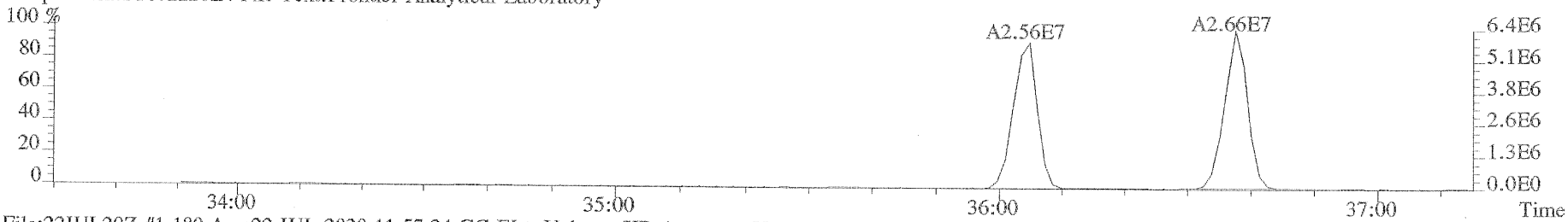
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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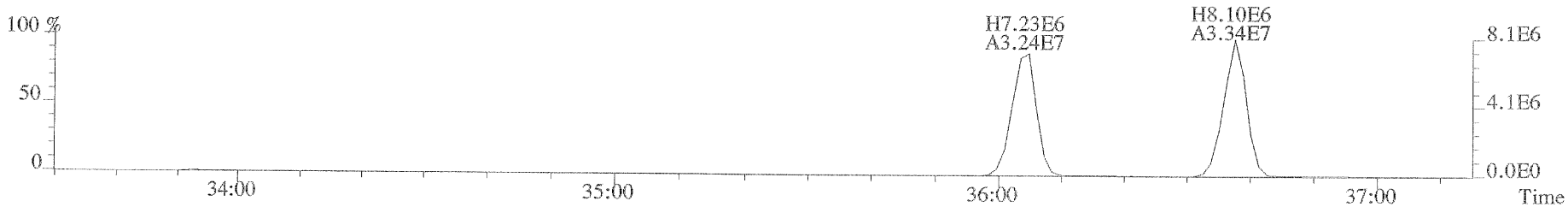
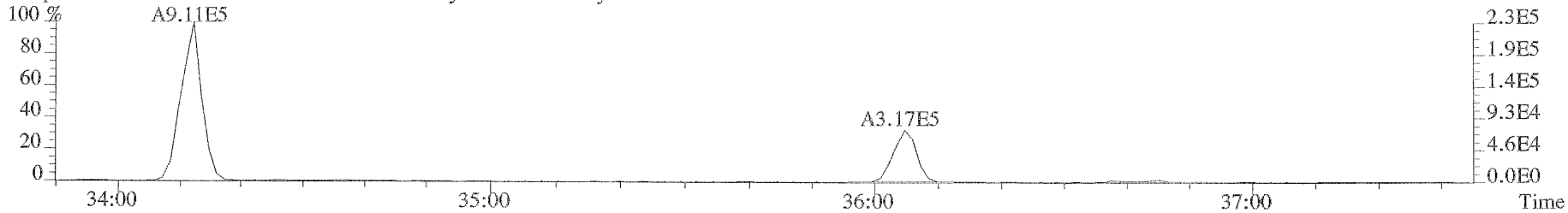
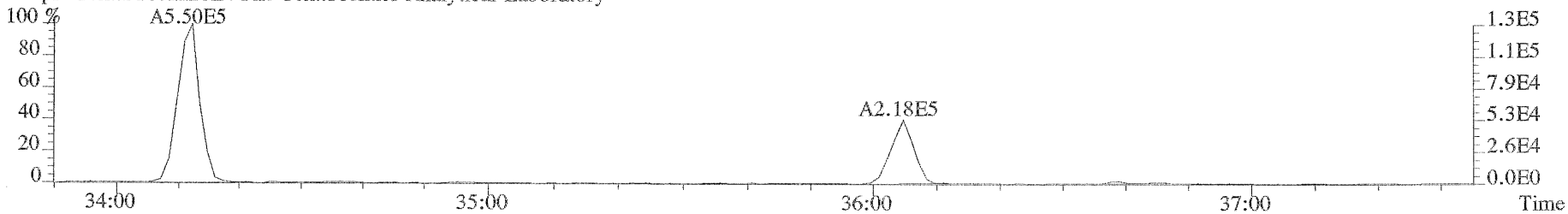
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



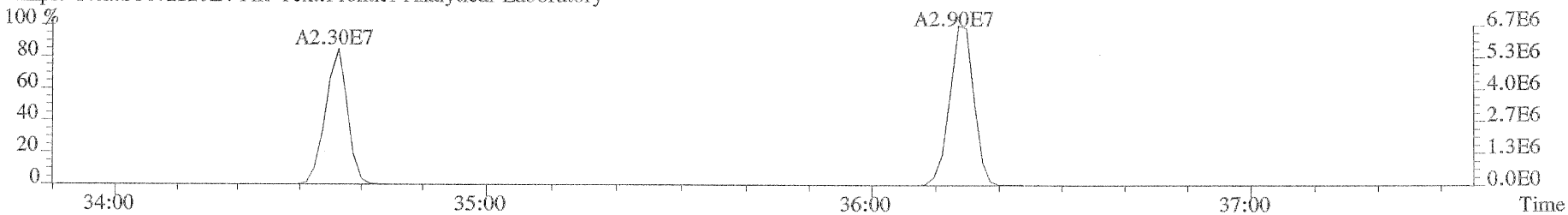
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



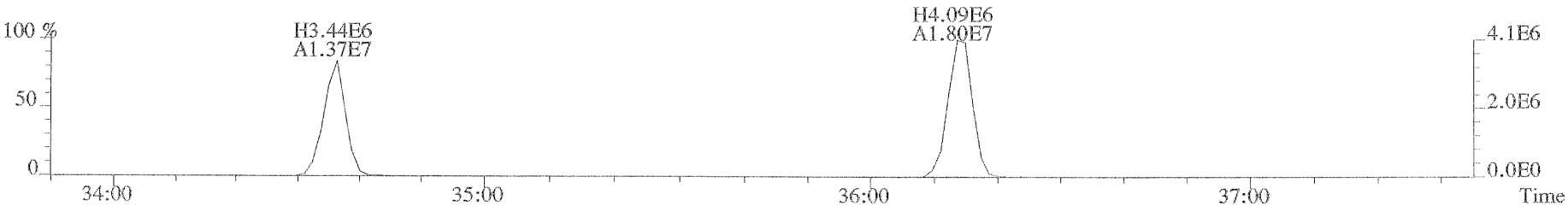
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



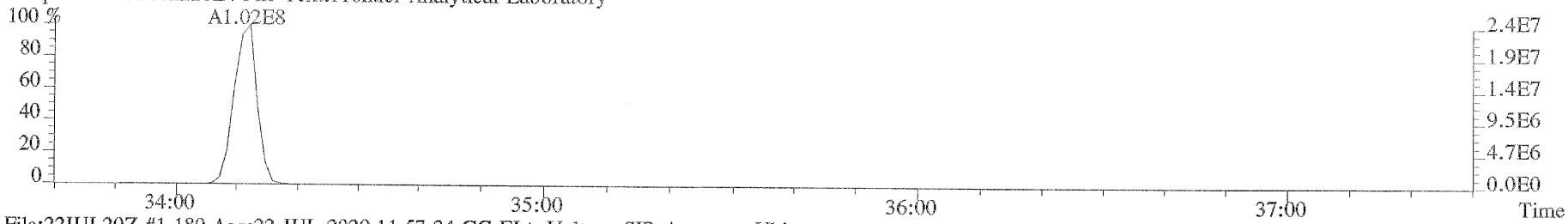
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



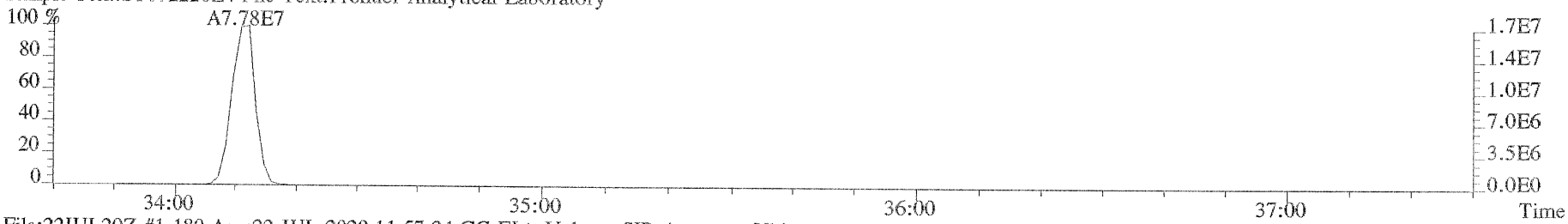
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



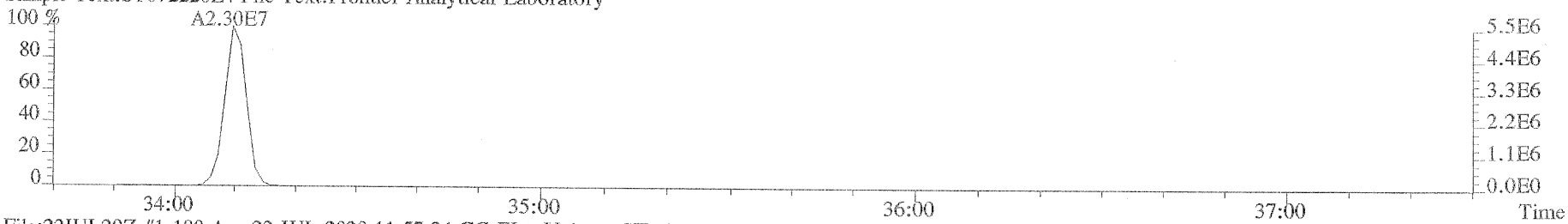
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



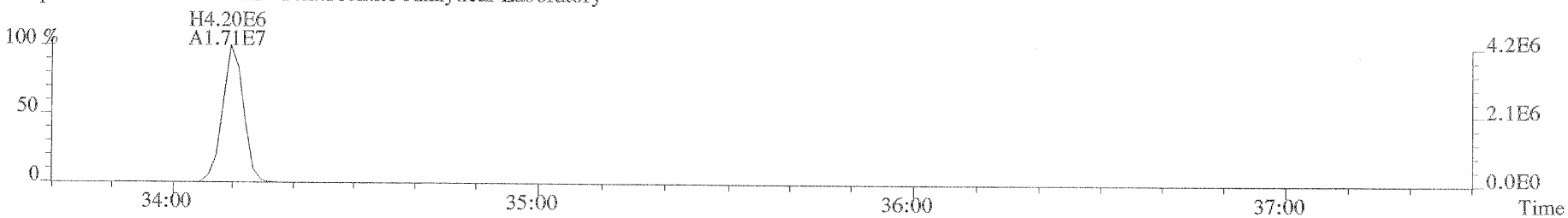
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



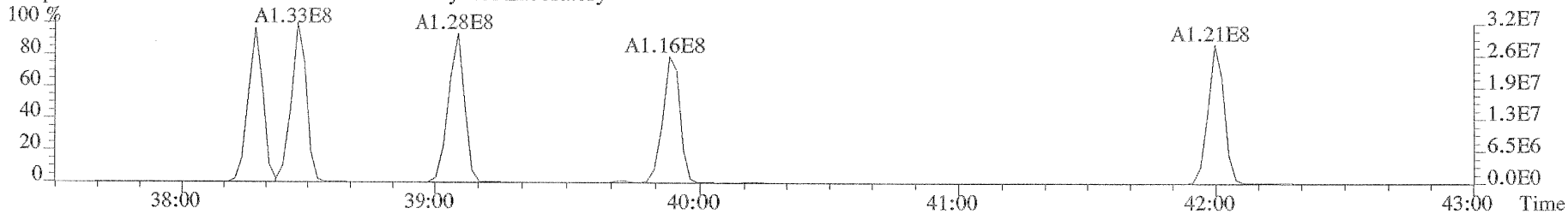
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



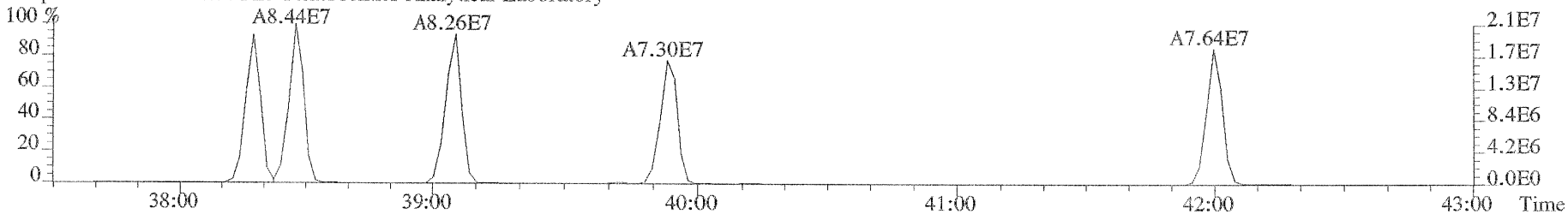
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



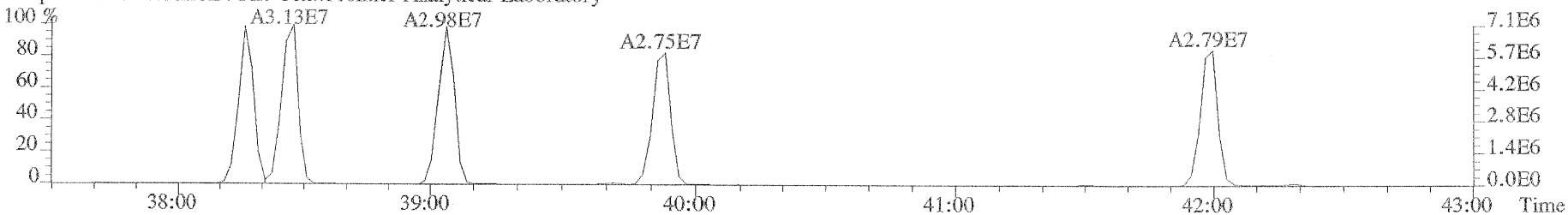
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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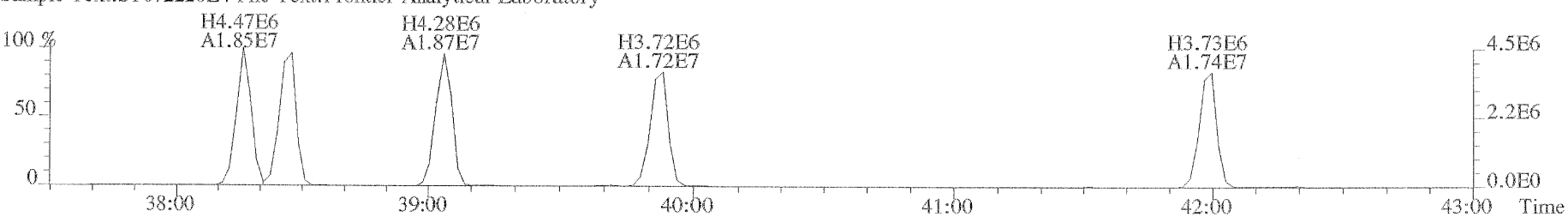
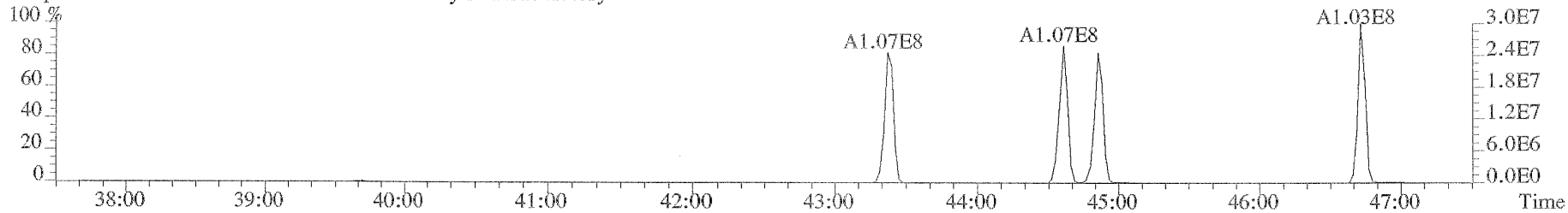
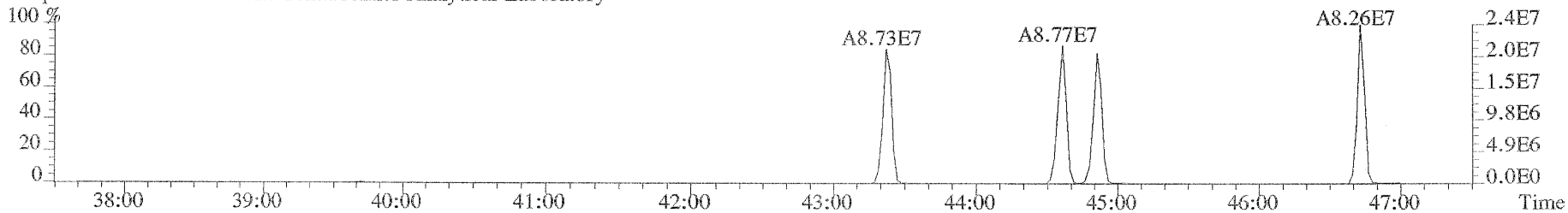
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



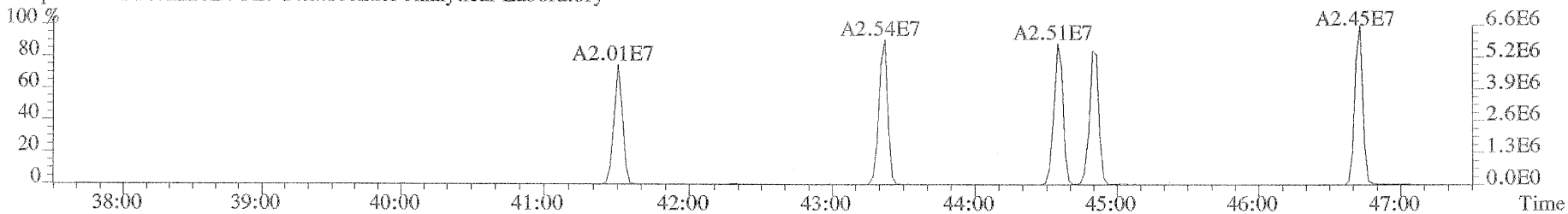
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



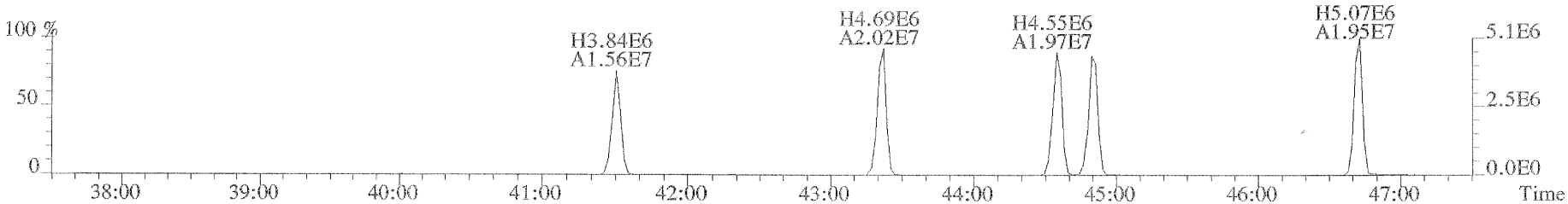
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



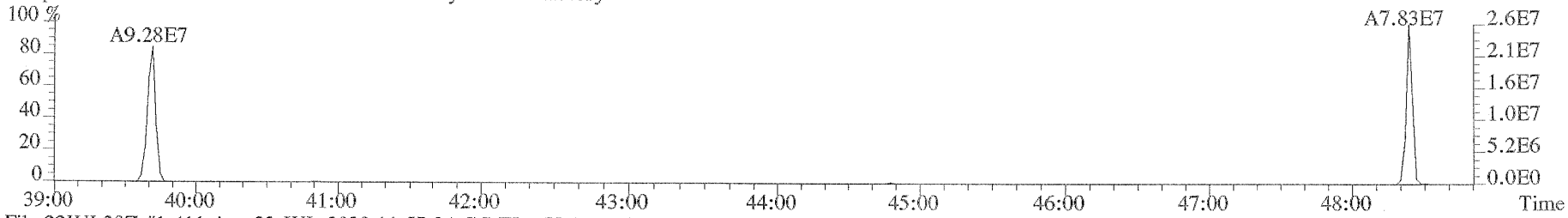
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



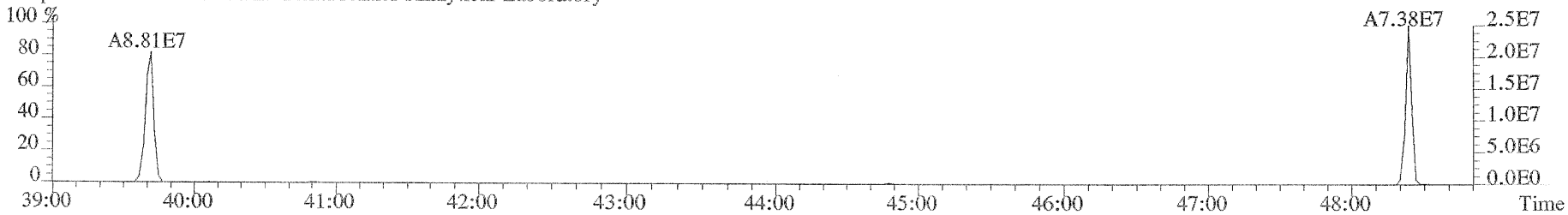
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



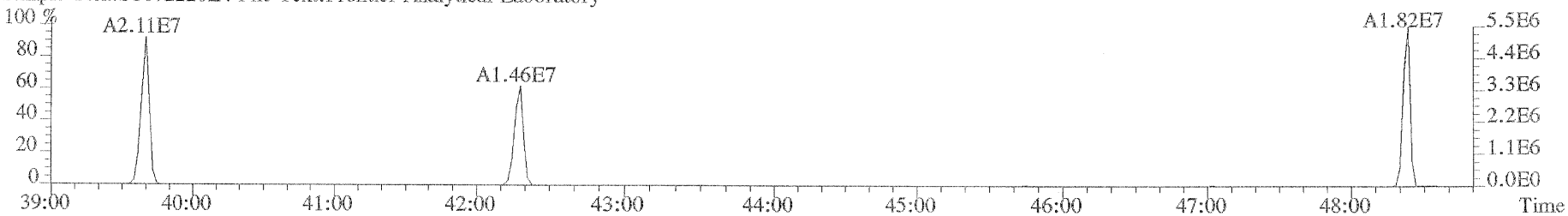
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



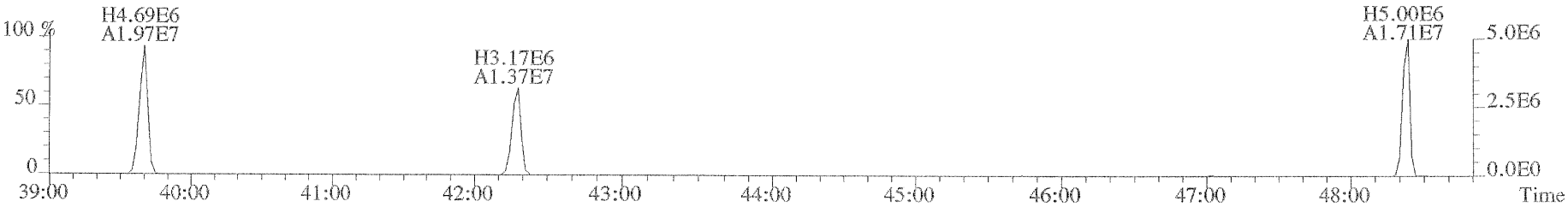
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



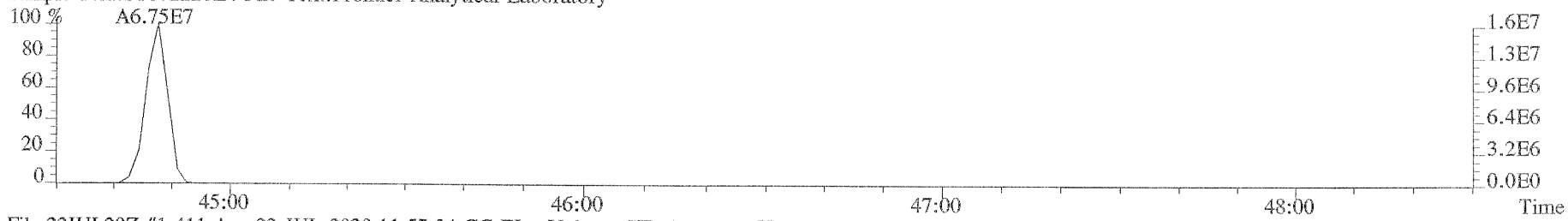
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



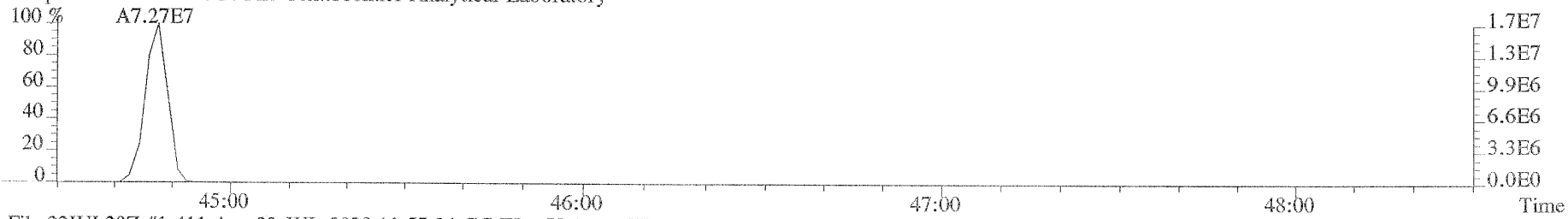
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



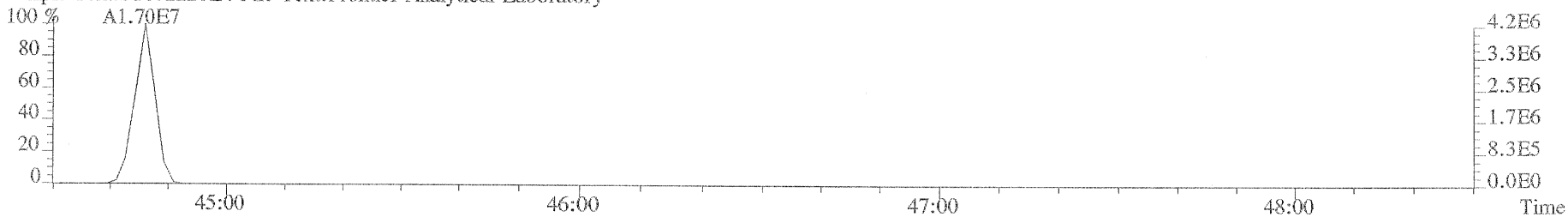
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



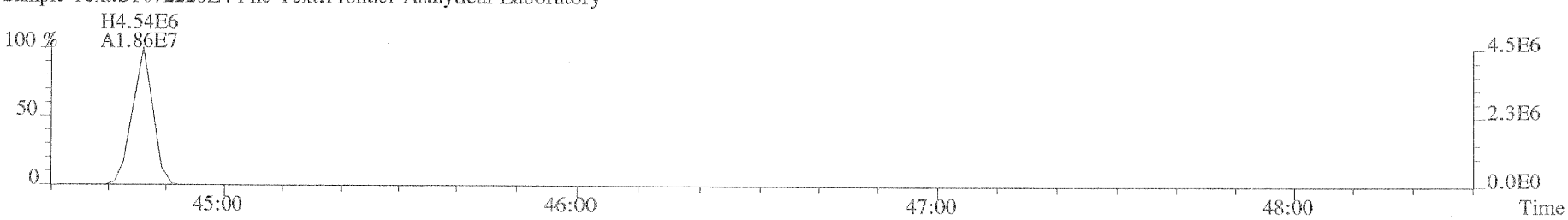
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



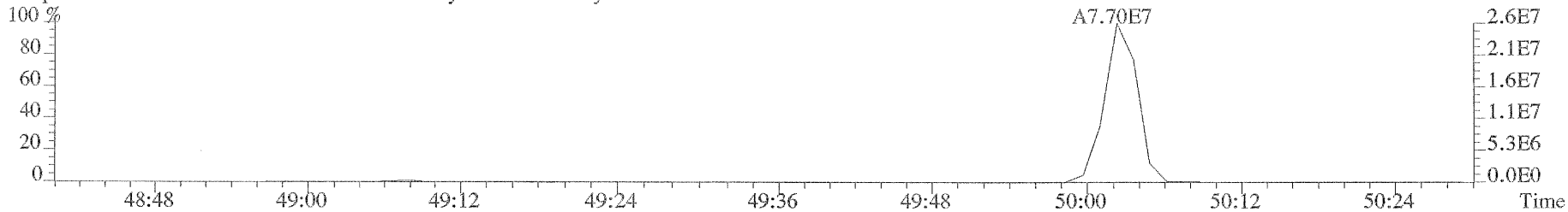
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



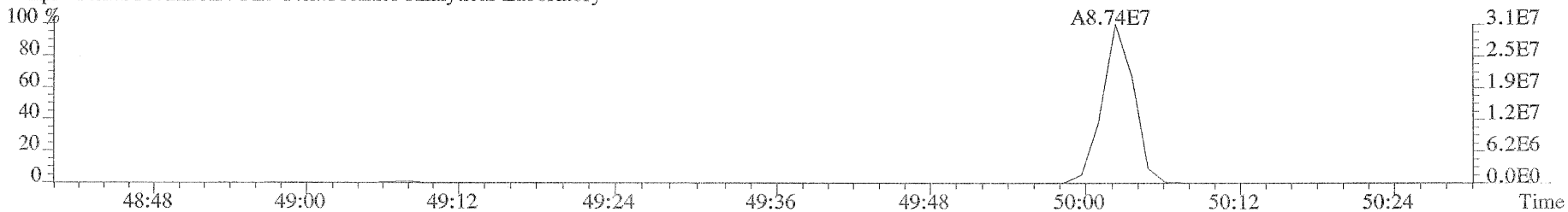
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



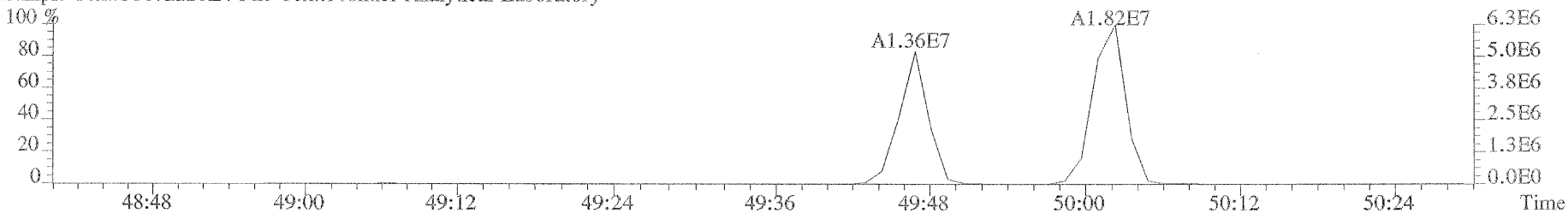
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



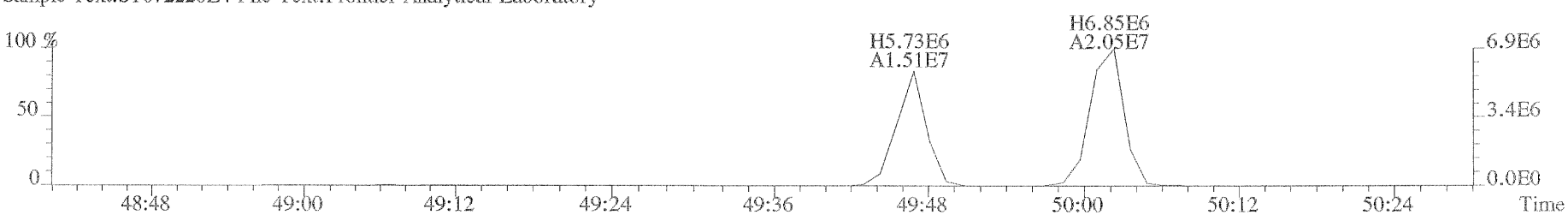
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



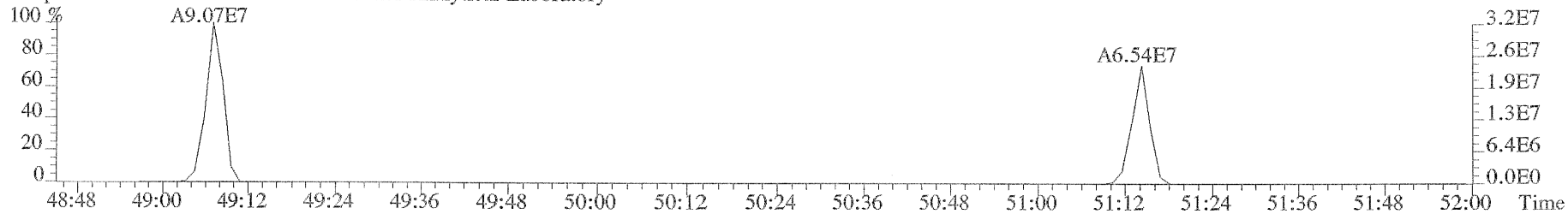
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



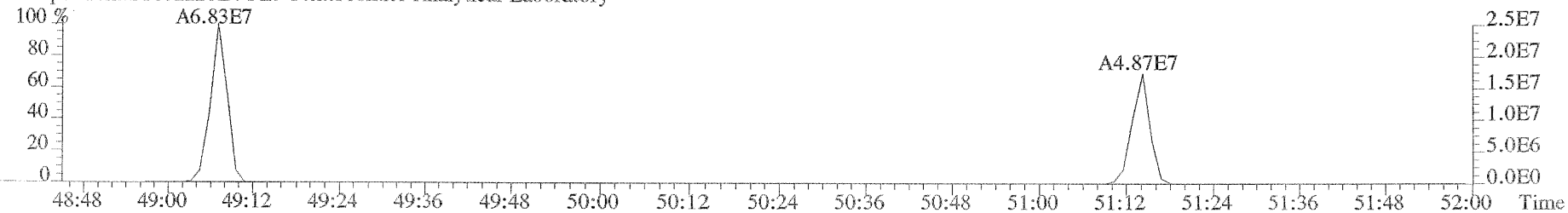
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



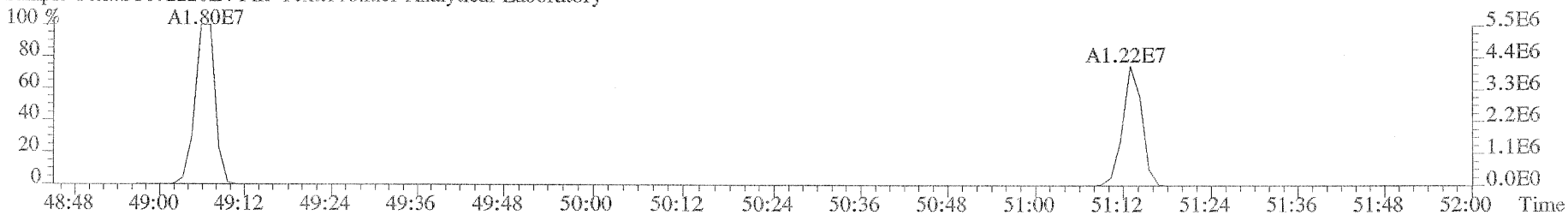
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



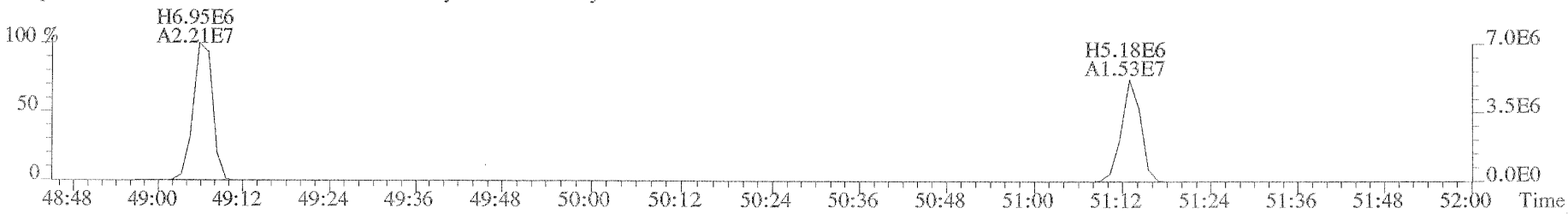
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



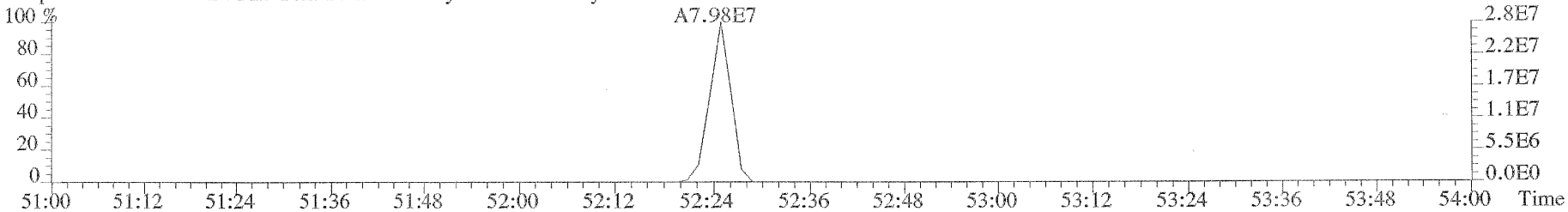
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



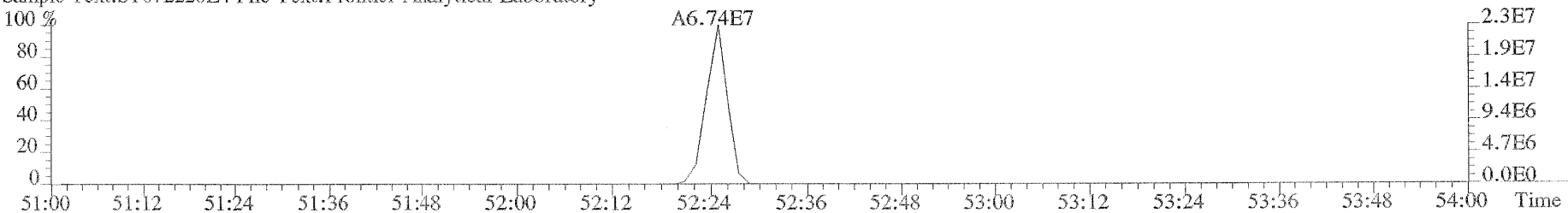
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



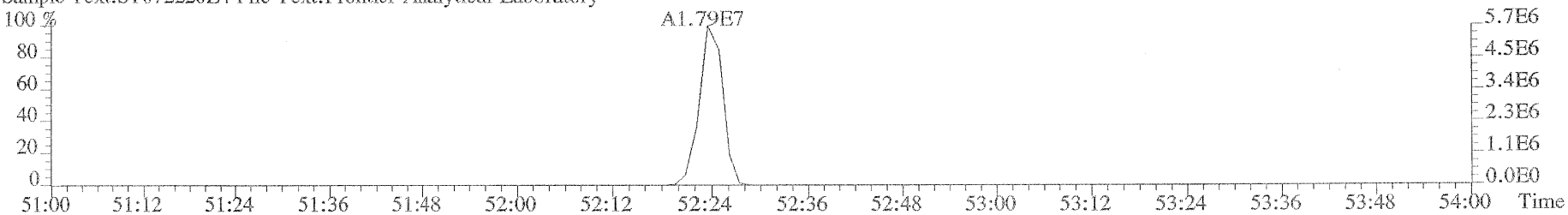
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



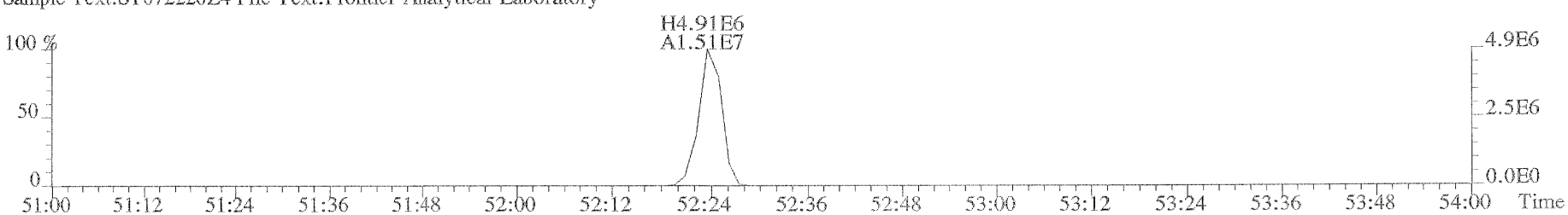
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



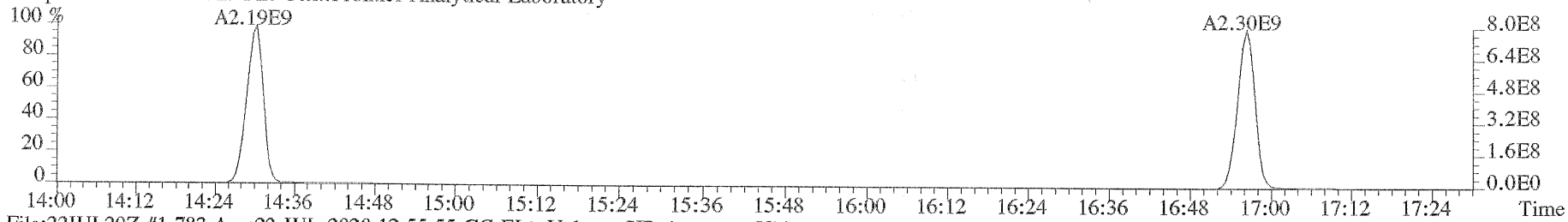
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



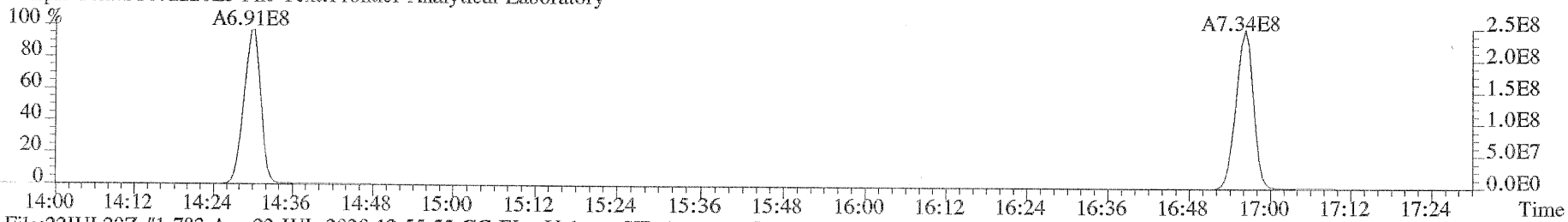
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



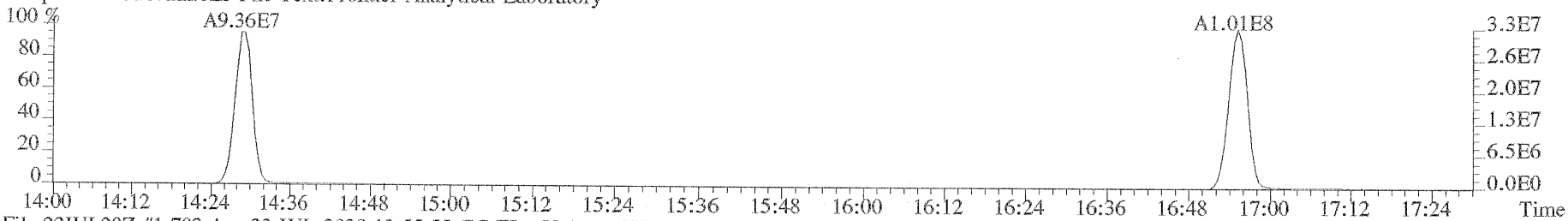
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



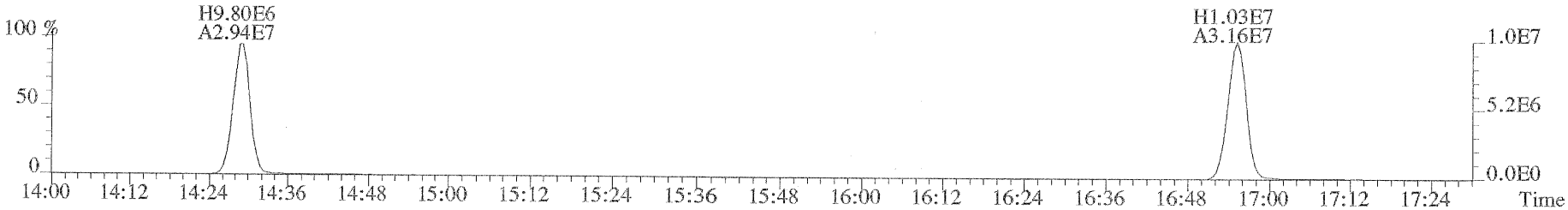
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



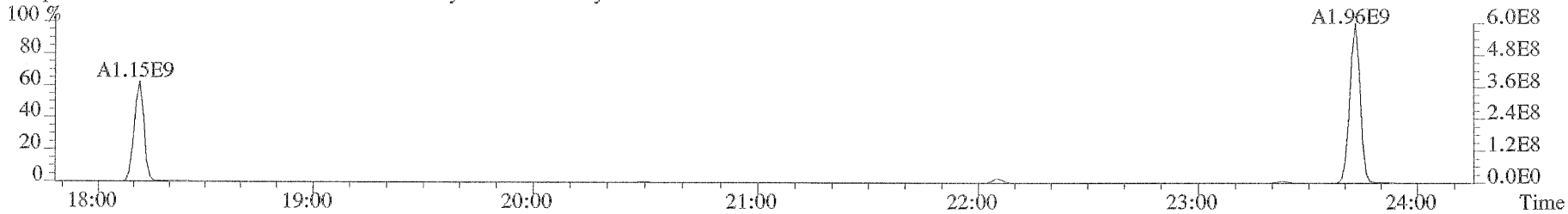
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



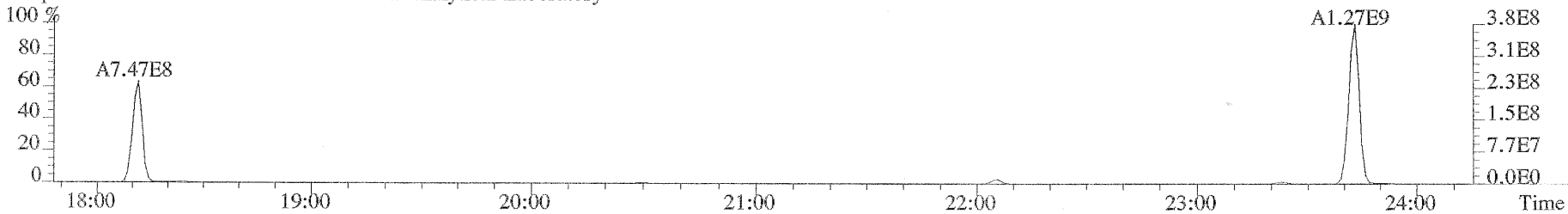
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



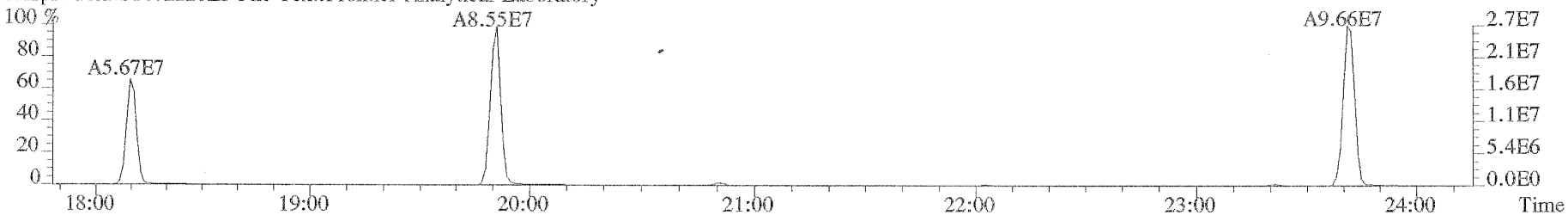
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



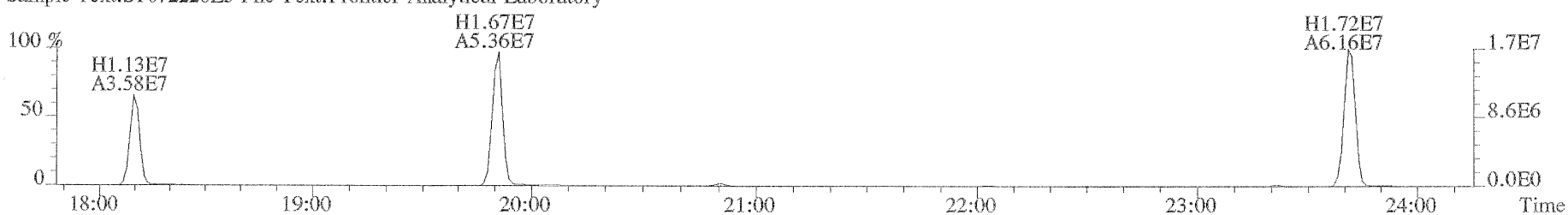
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



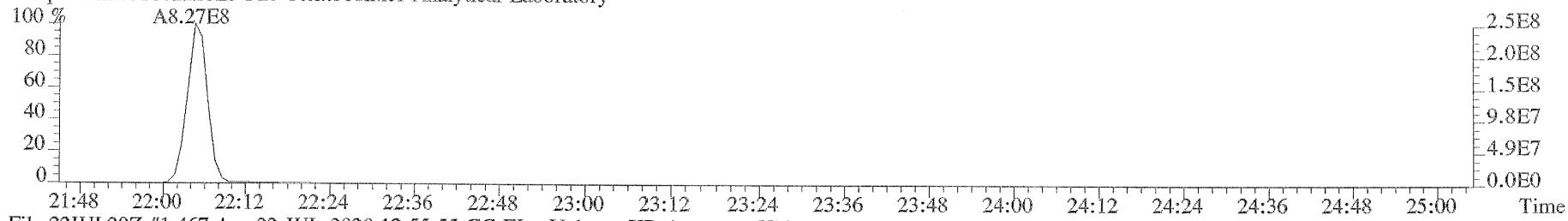
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



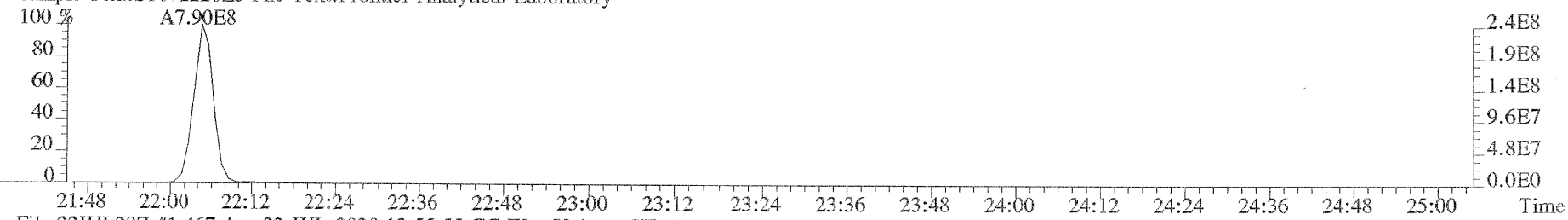
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



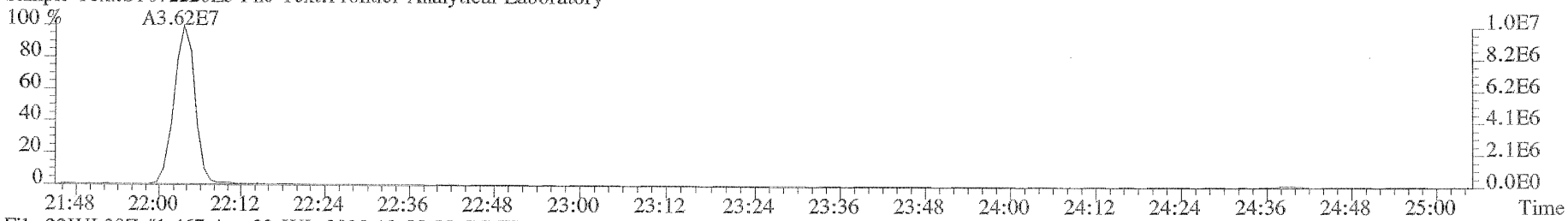
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



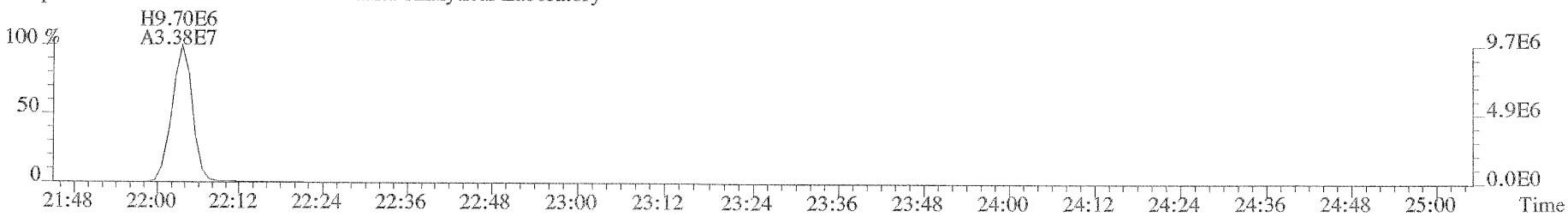
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



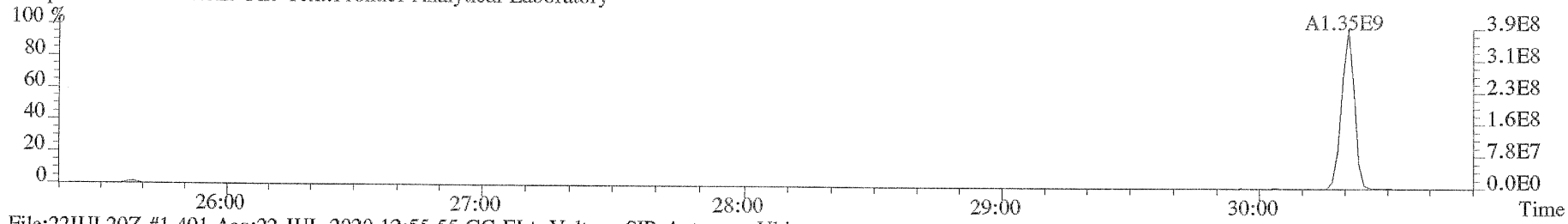
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



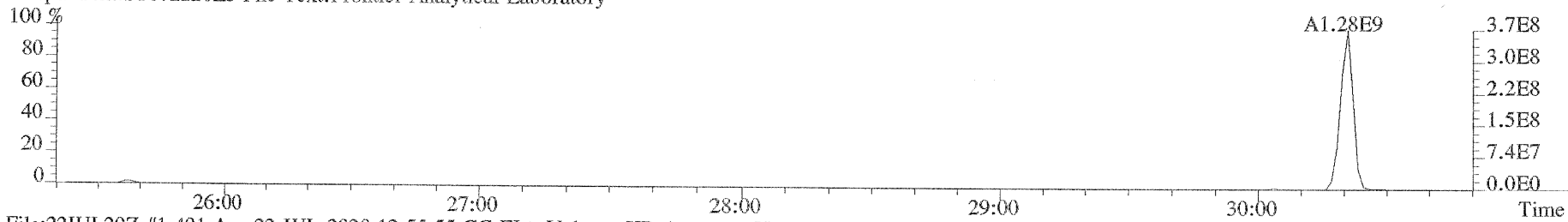
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



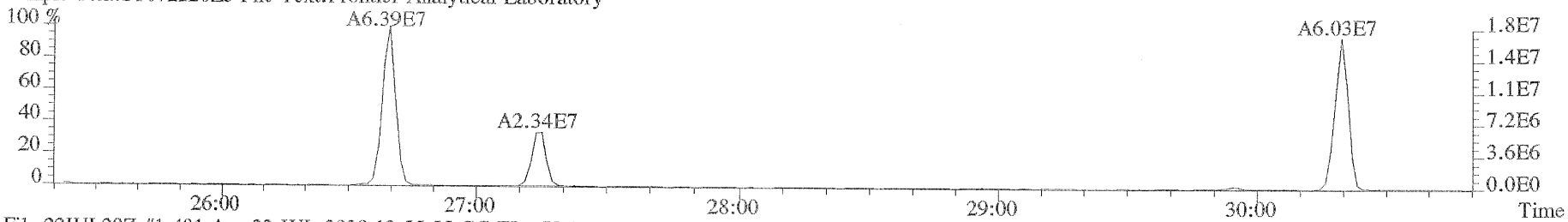
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



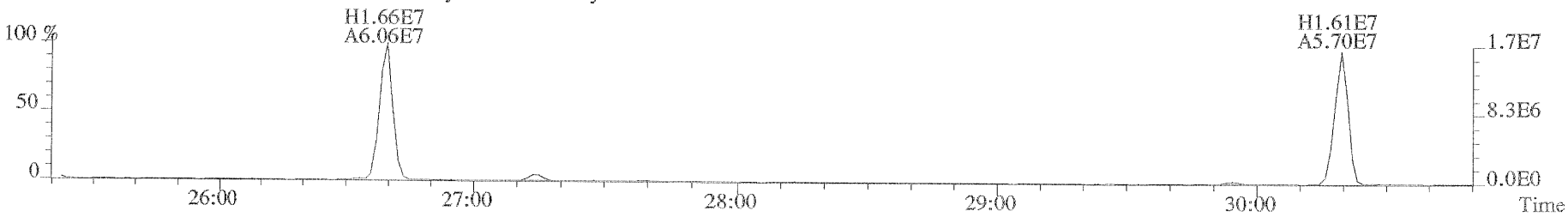
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



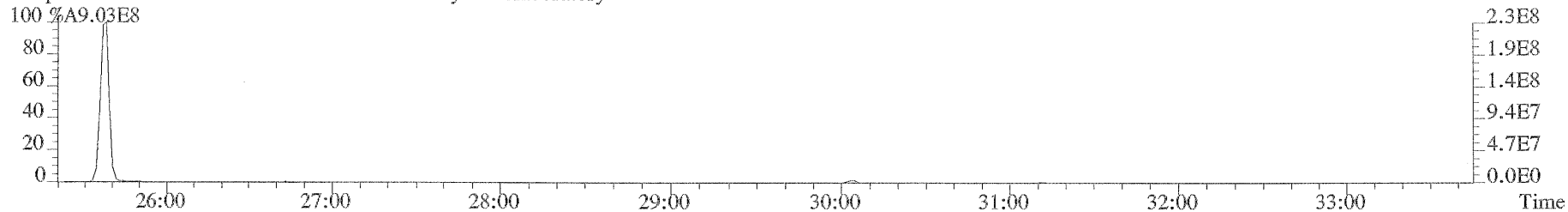
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



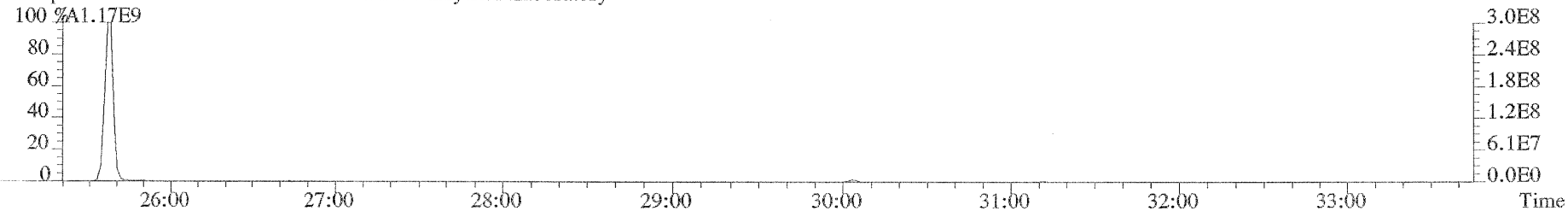
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



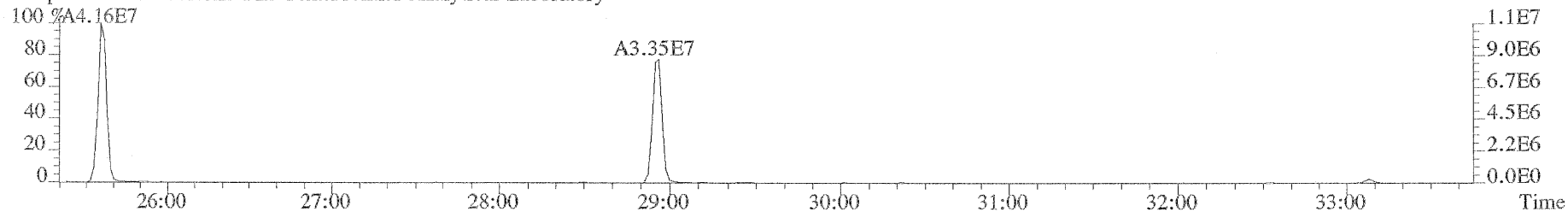
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



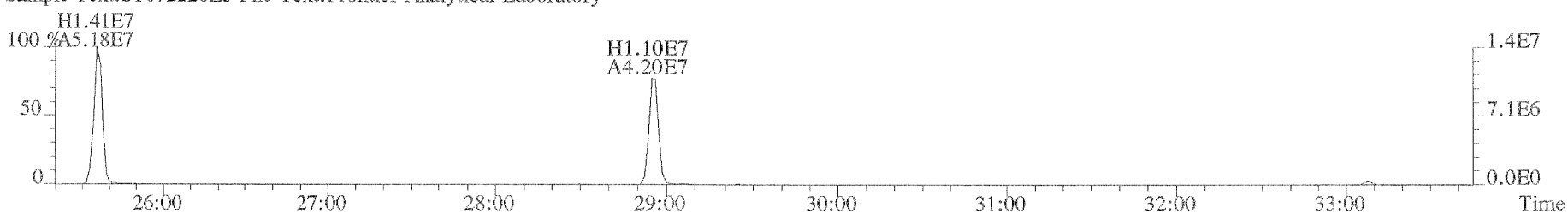
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



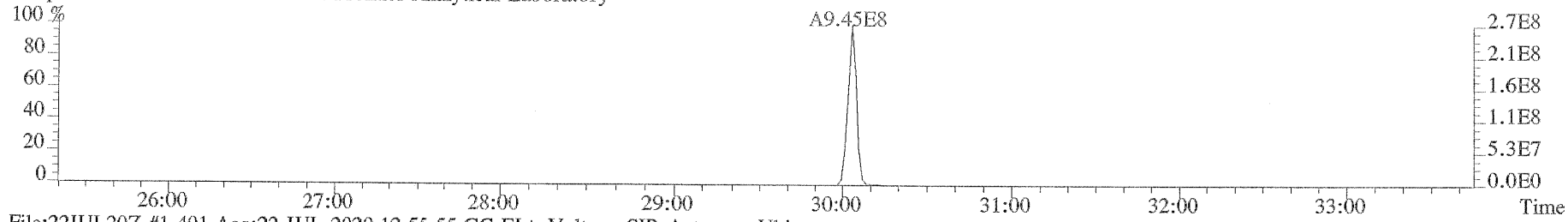
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



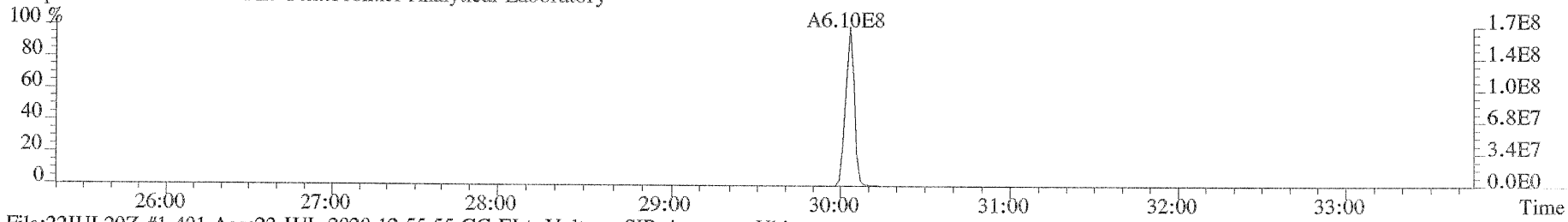
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



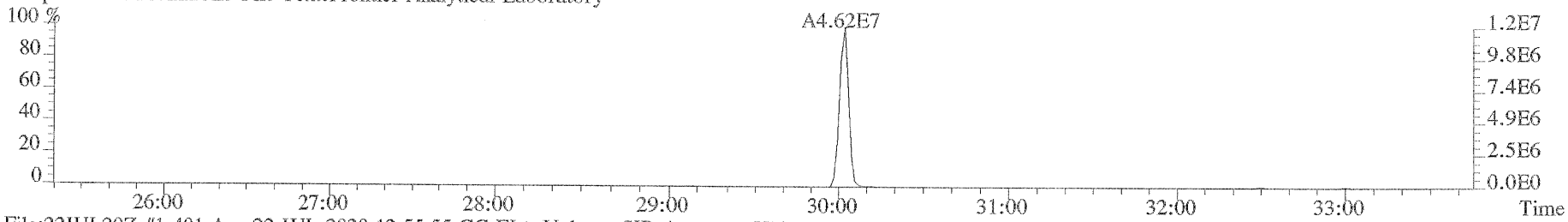
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



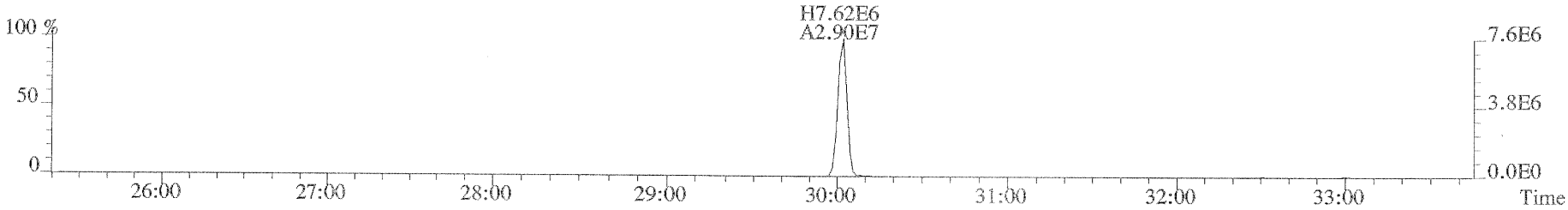
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



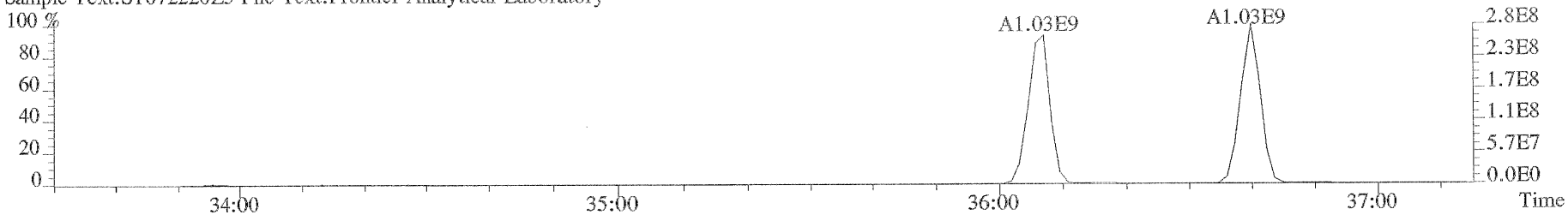
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
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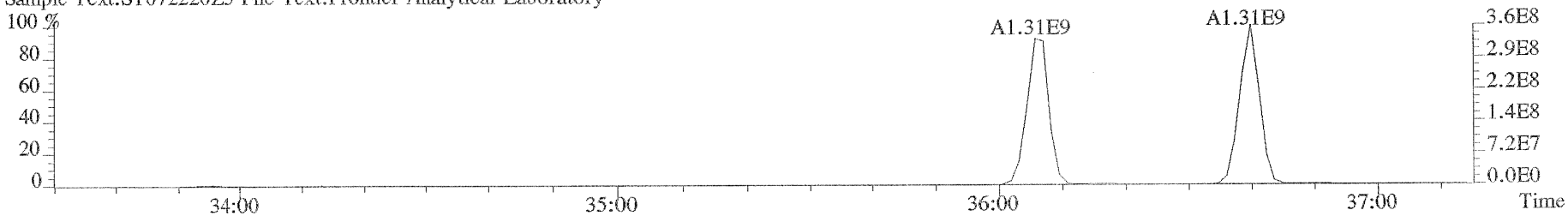
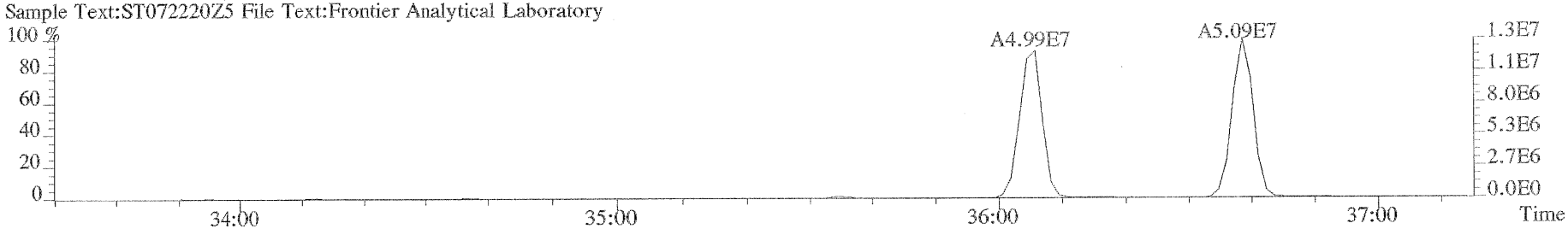
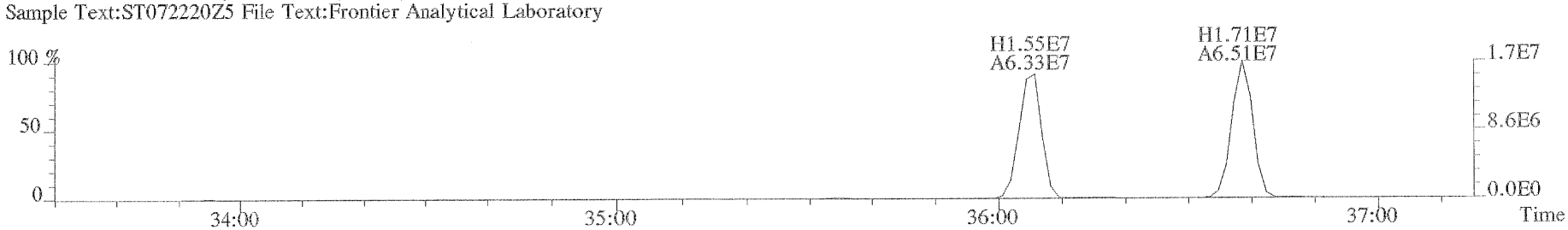
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



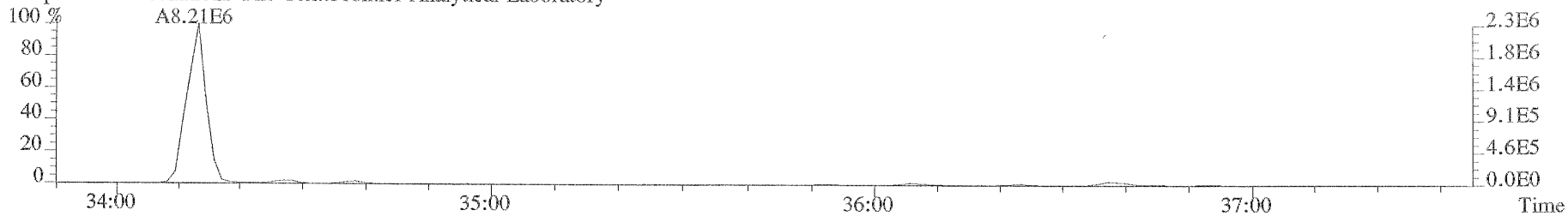
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



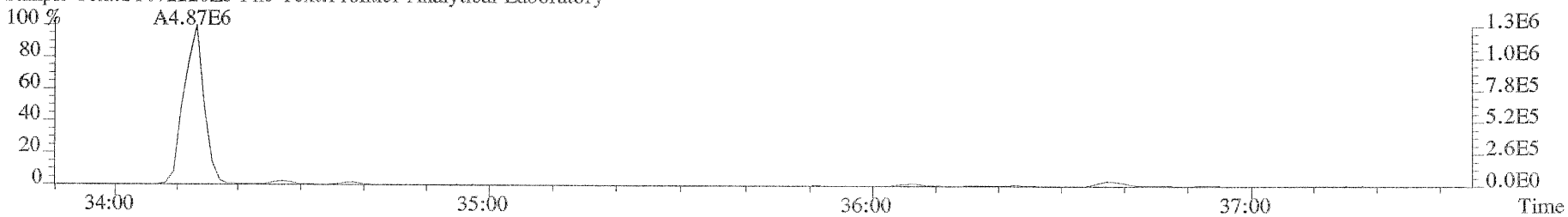
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



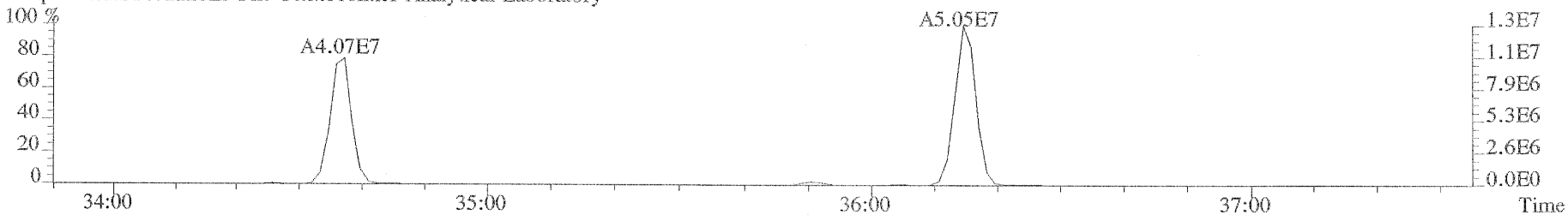
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



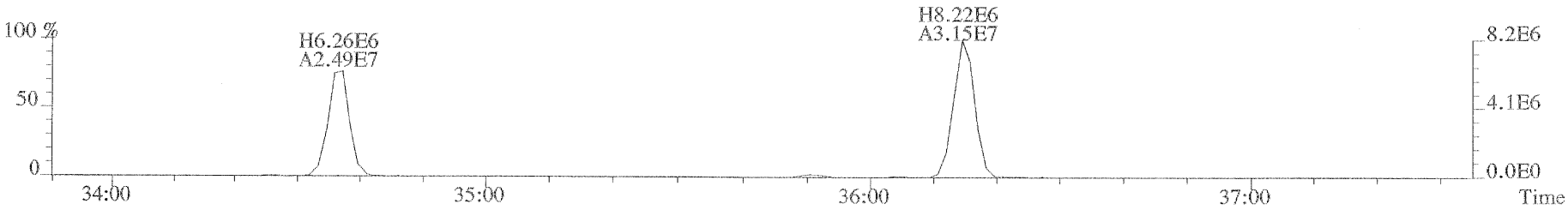
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



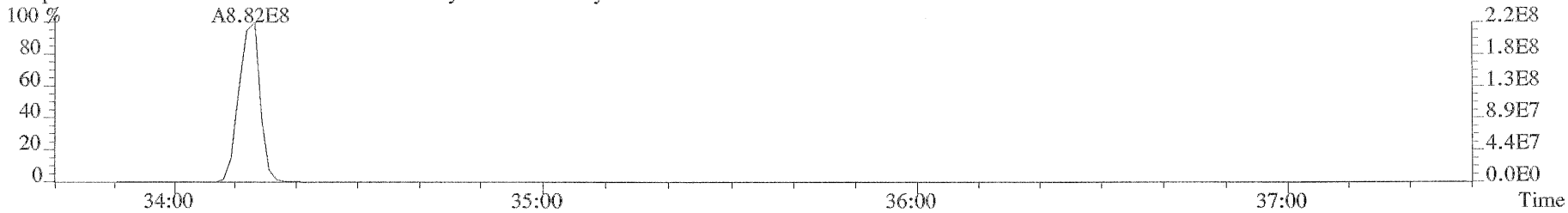
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



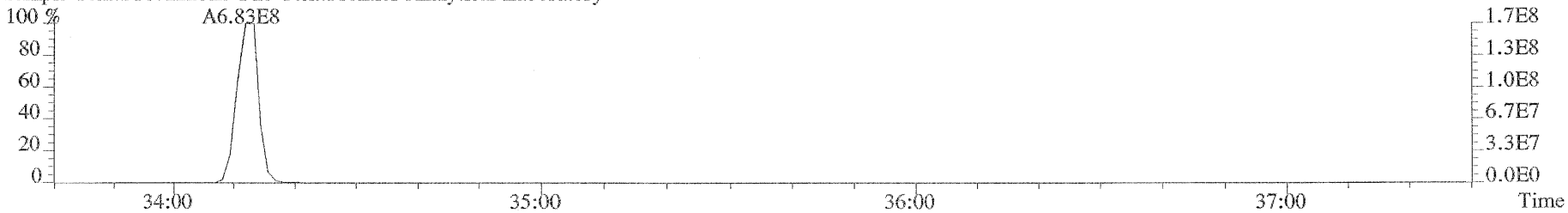
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



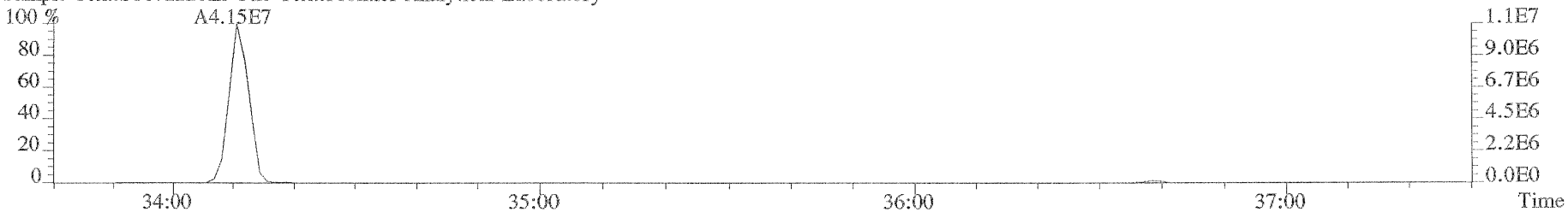
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



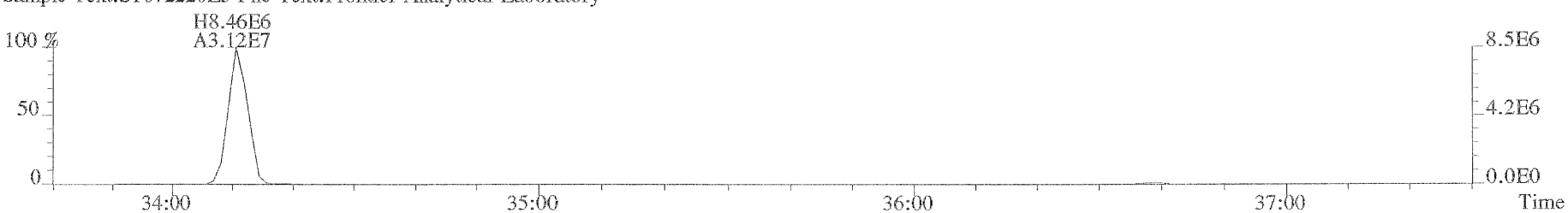
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



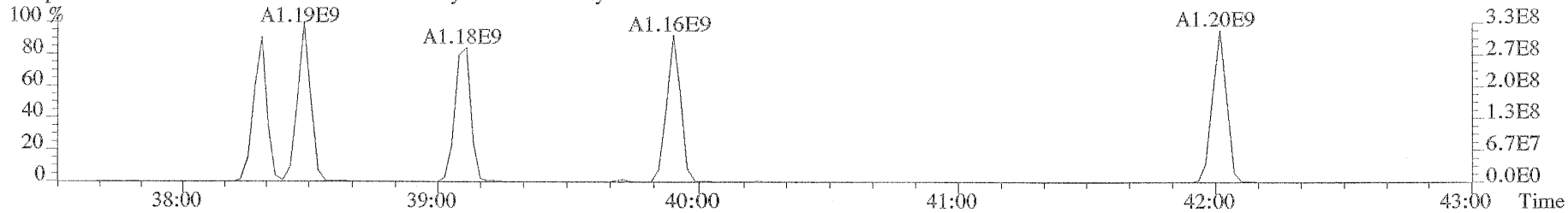
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



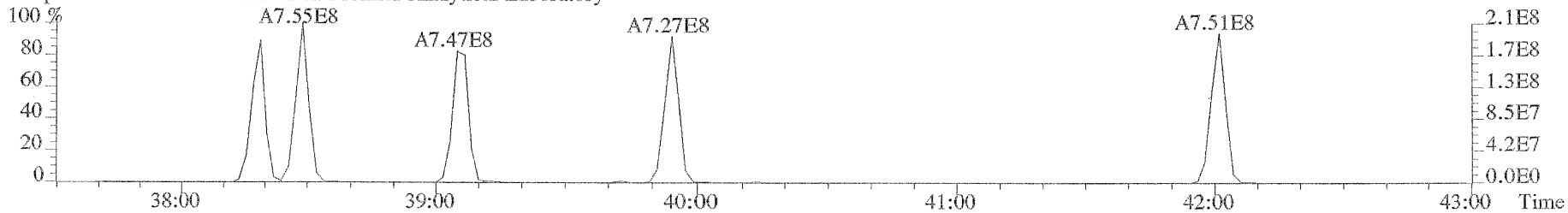
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



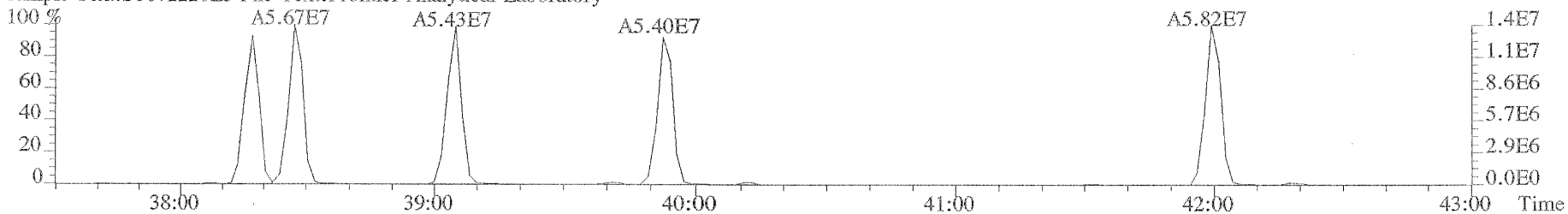
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



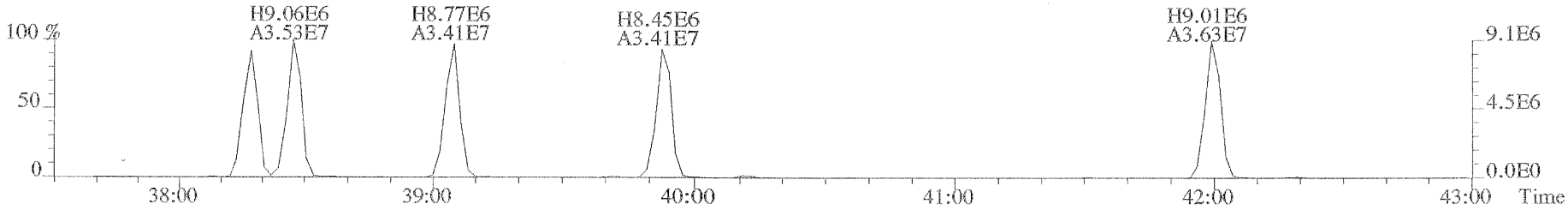
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



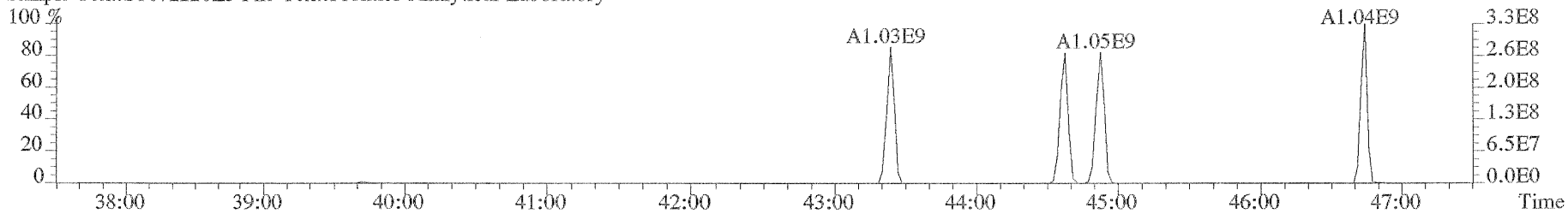
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



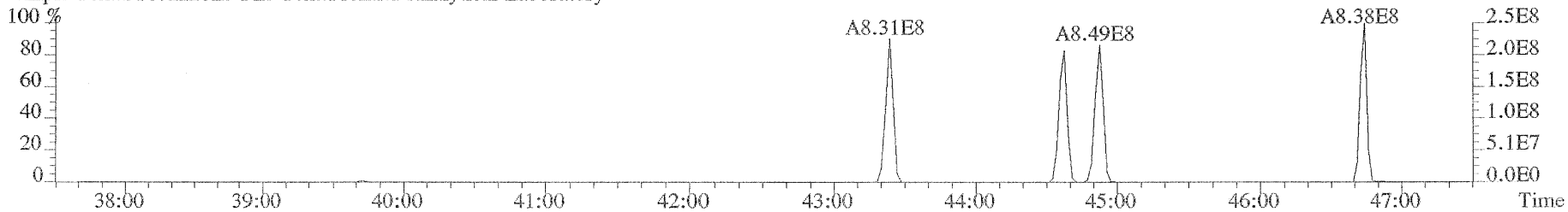
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



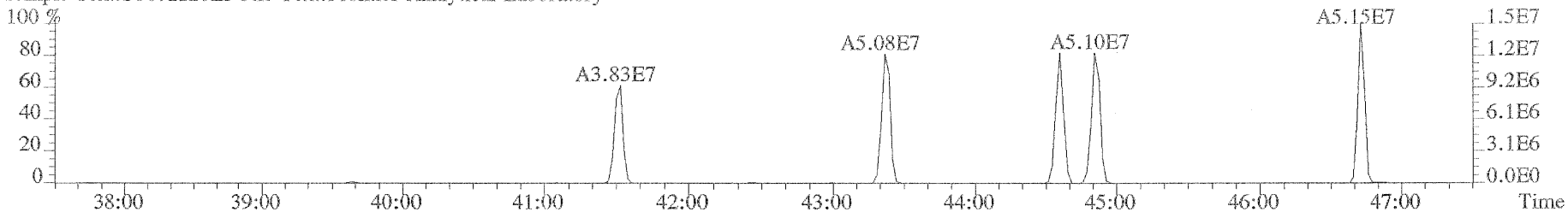
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



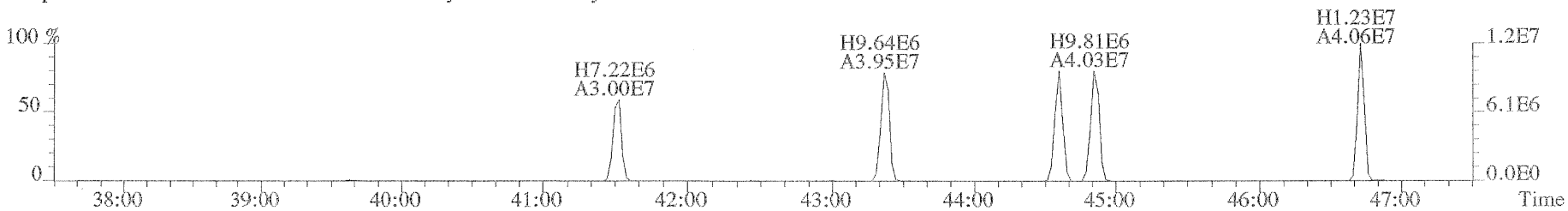
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



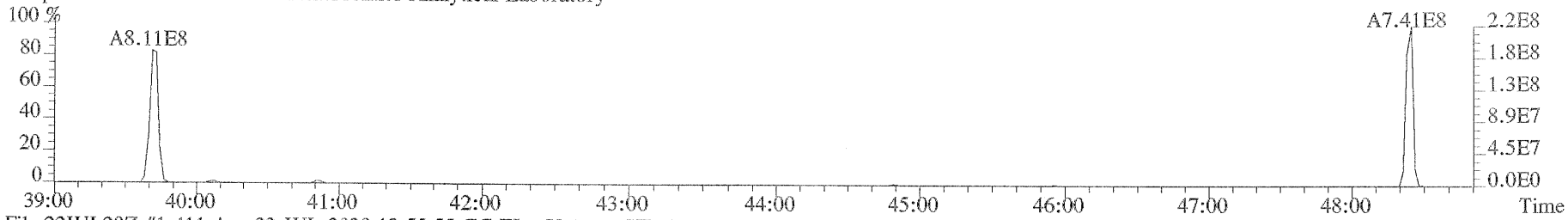
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



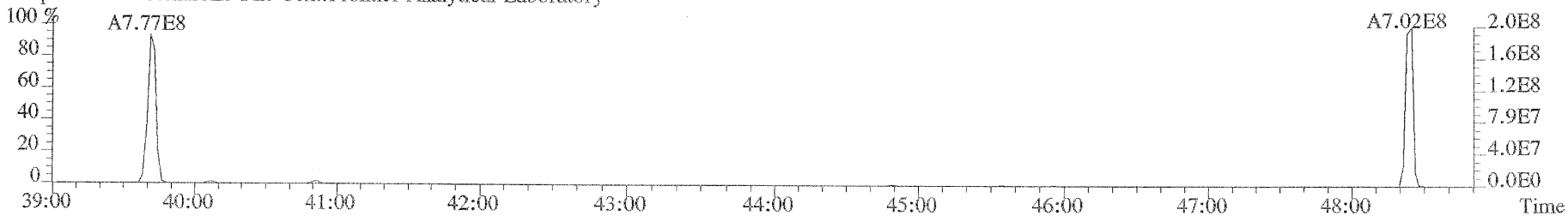
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



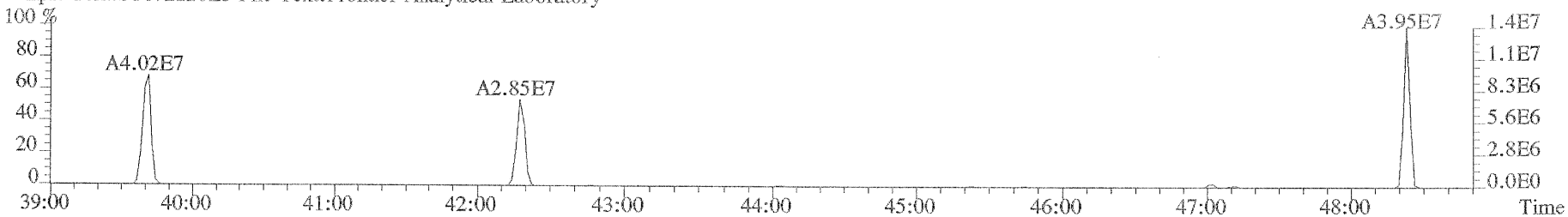
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



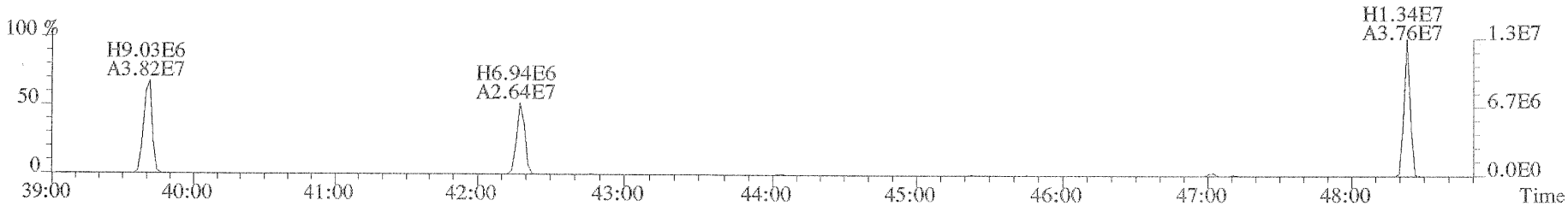
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



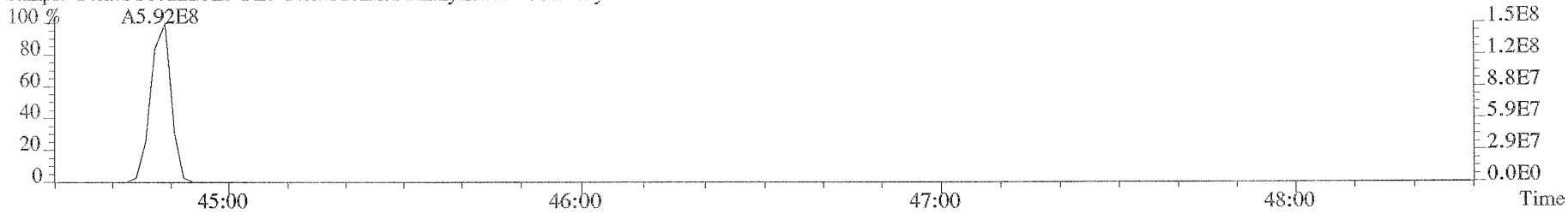
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



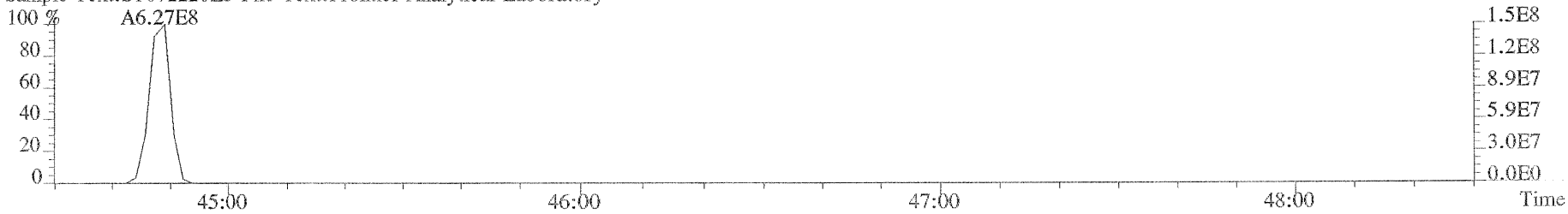
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



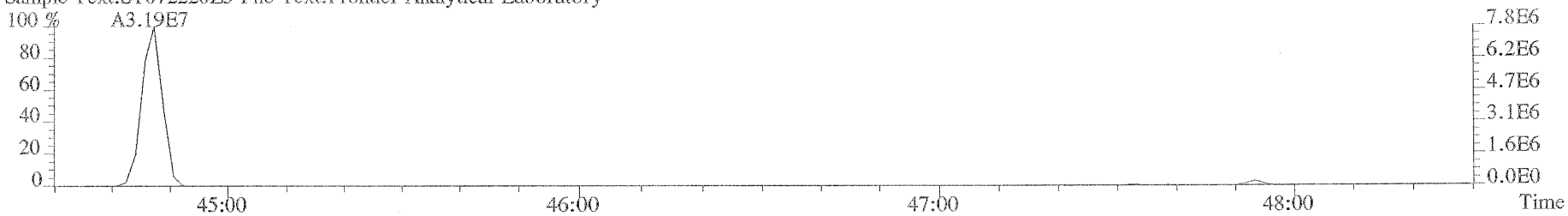
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



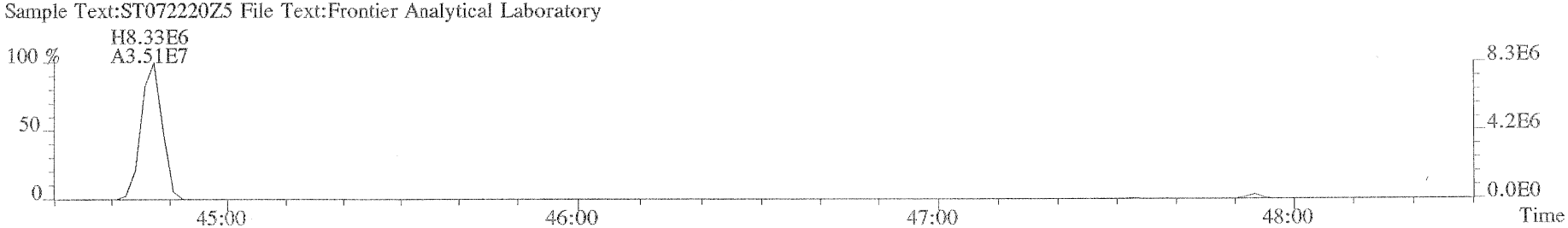
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



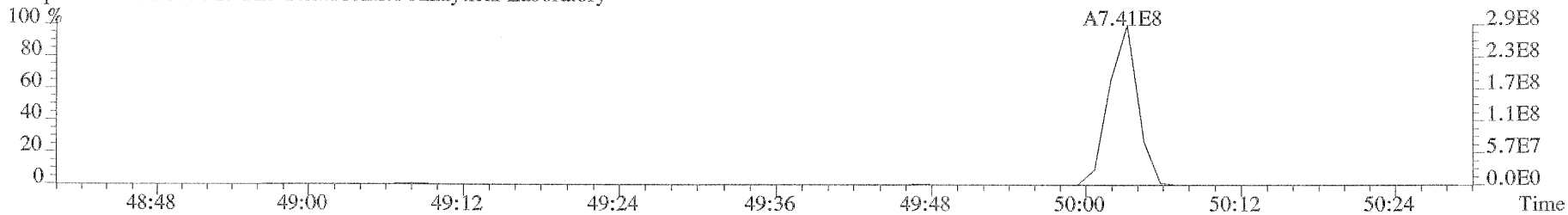
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



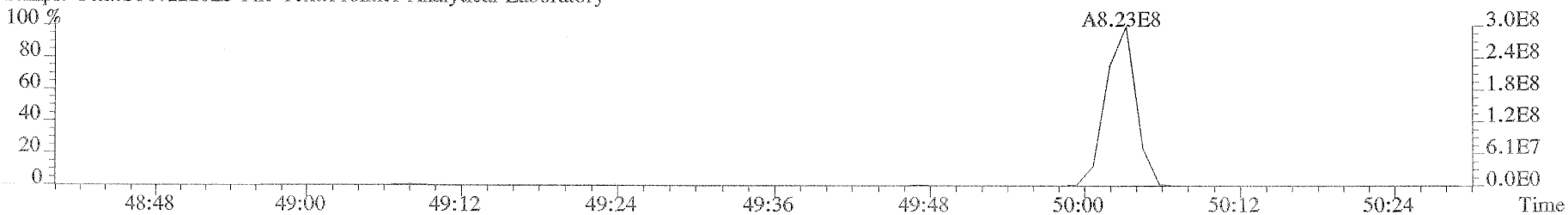
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



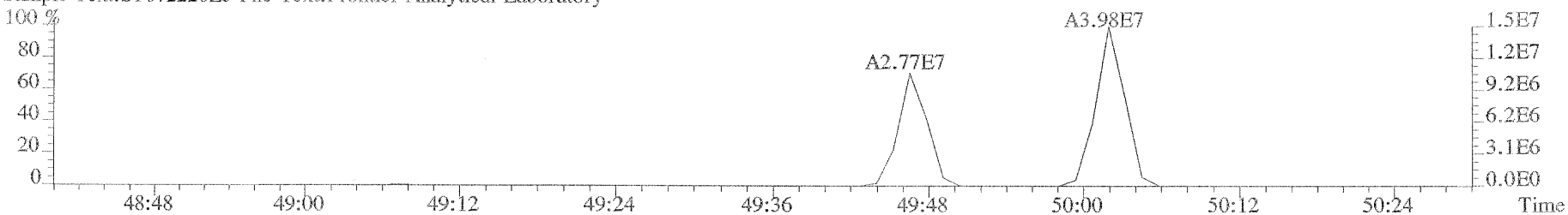
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



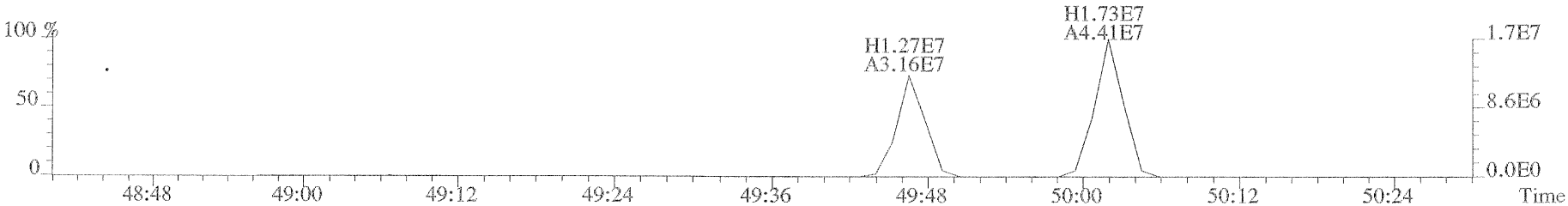
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



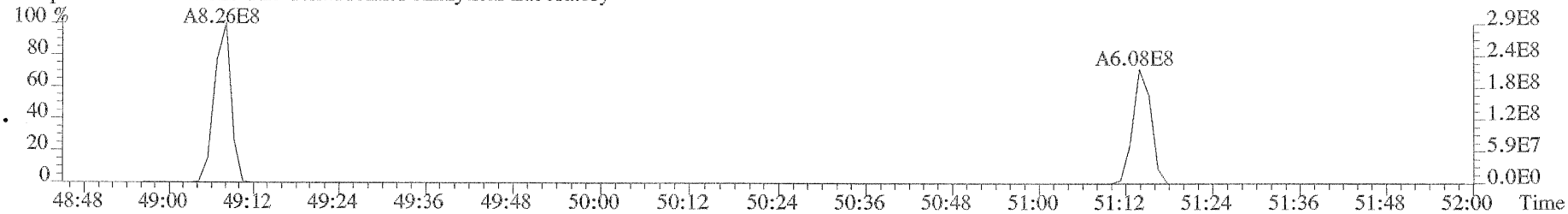
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



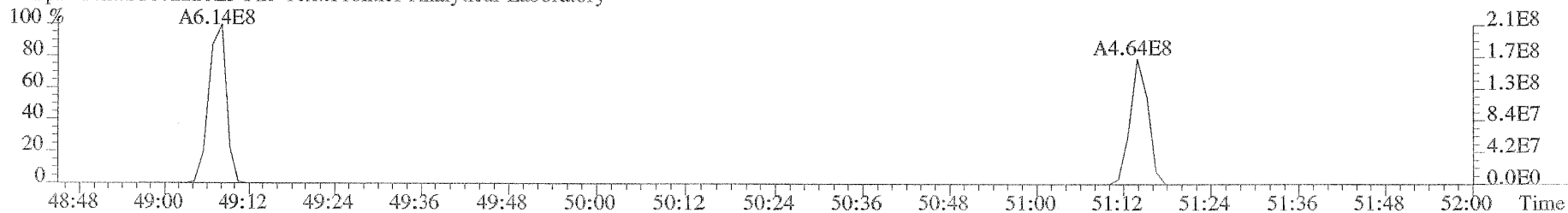
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



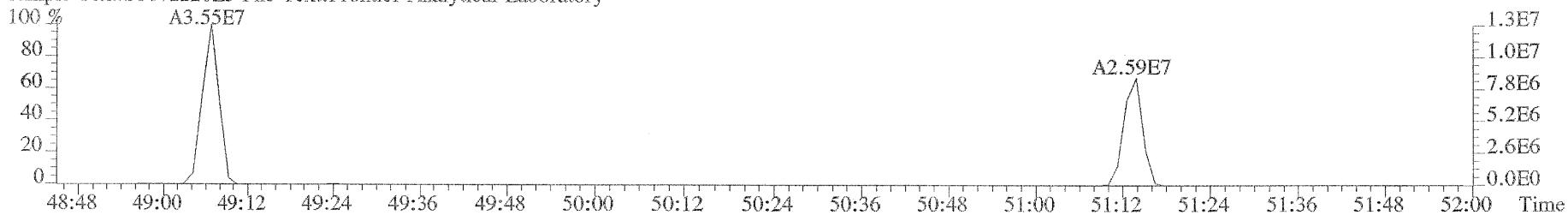
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



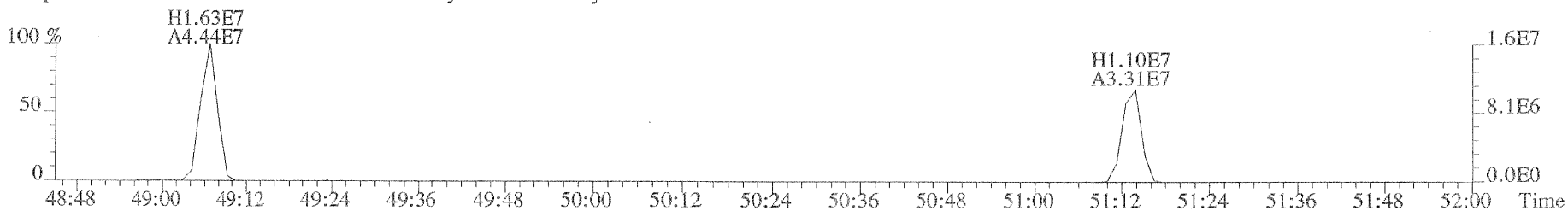
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



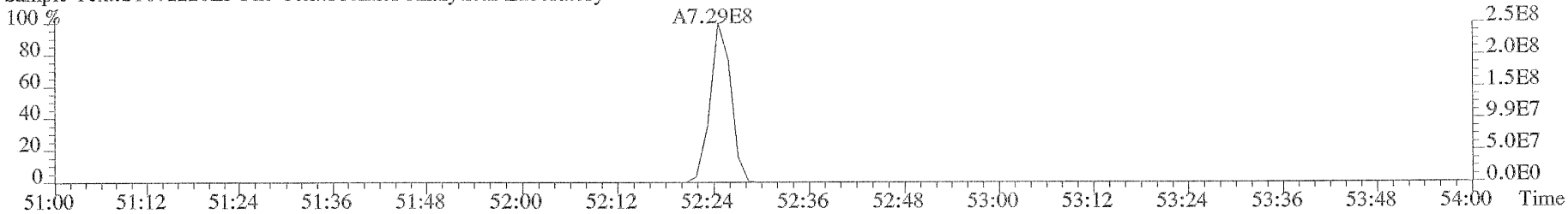
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



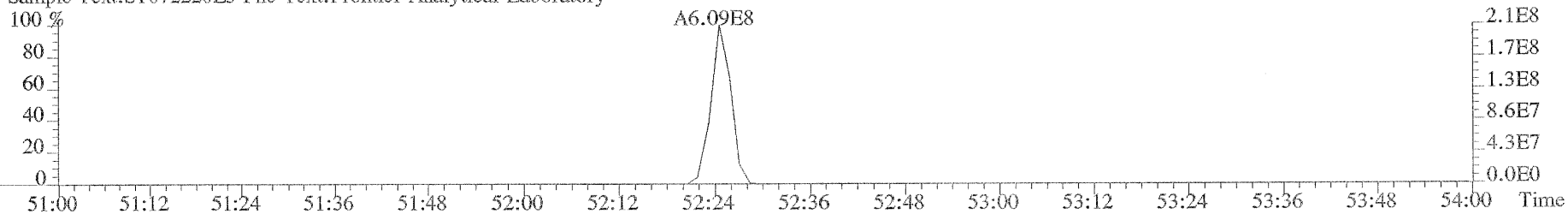
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



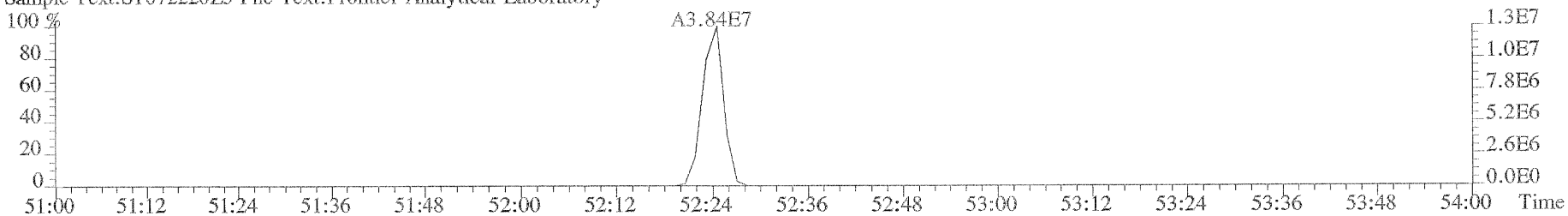
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



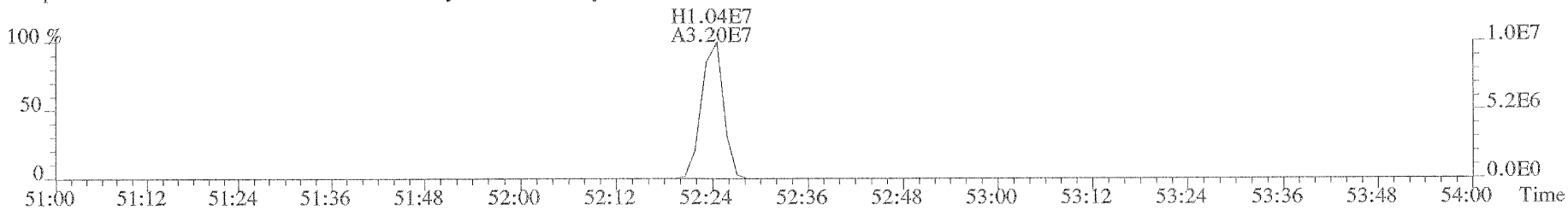
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



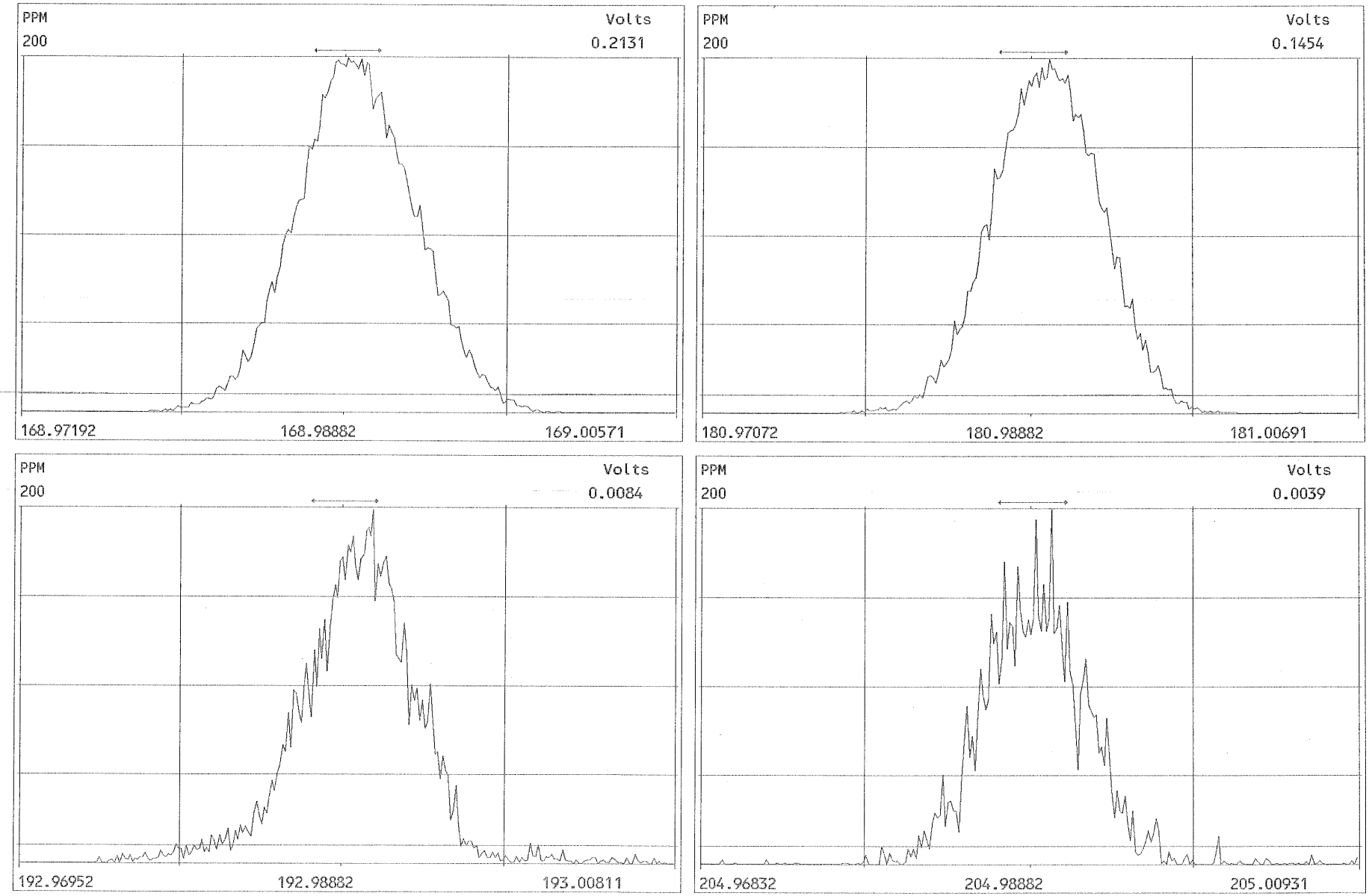
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

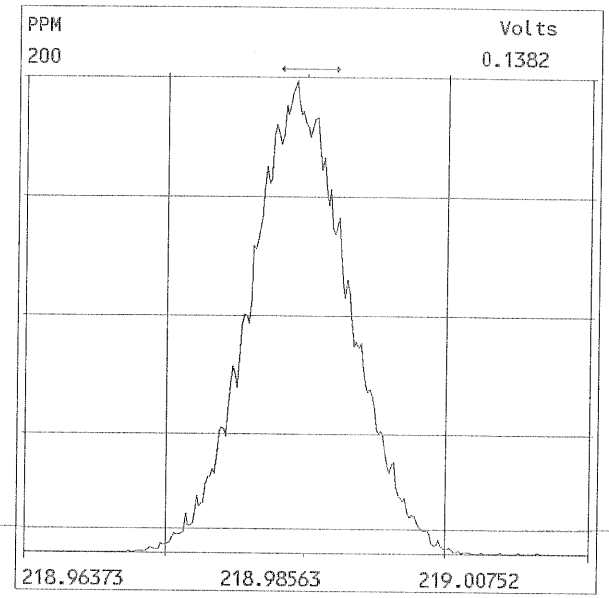


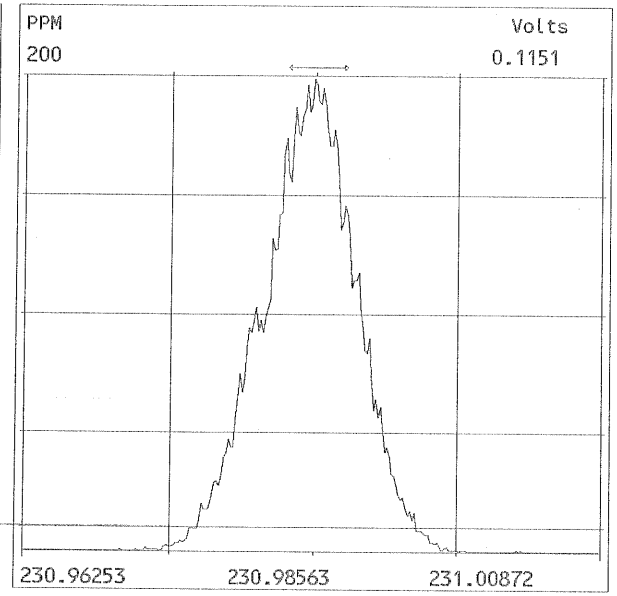
Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

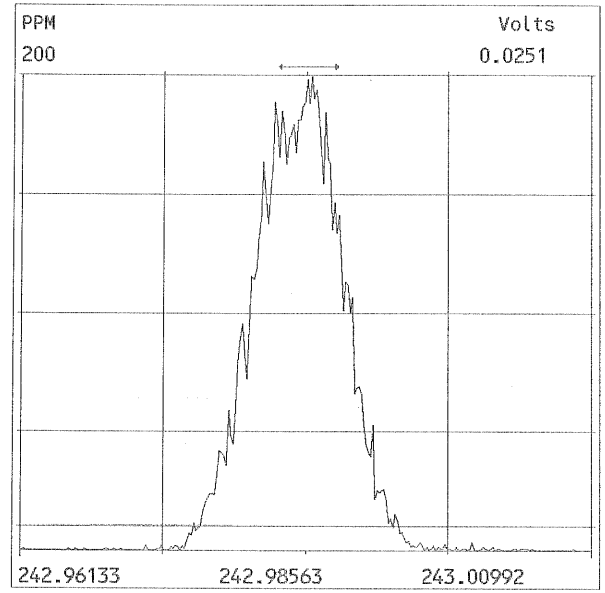


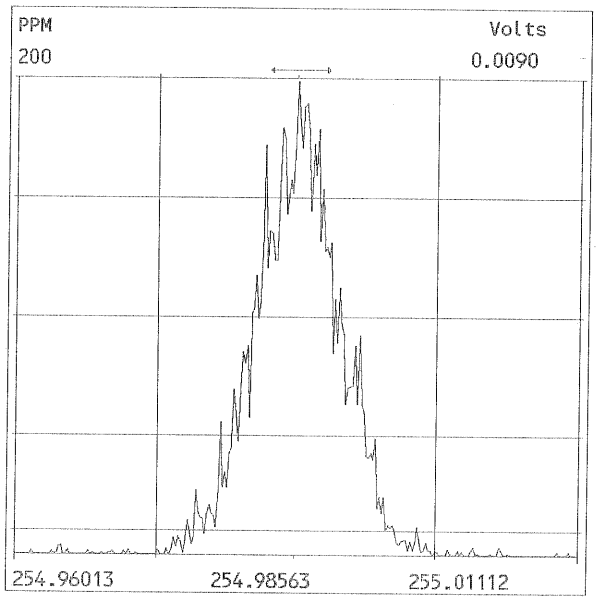
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

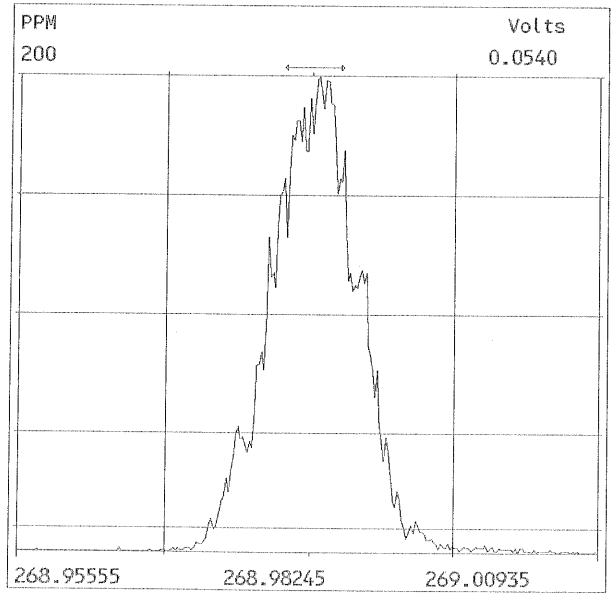
Experiment:1668PCB Function:2 Reference:PFK 98

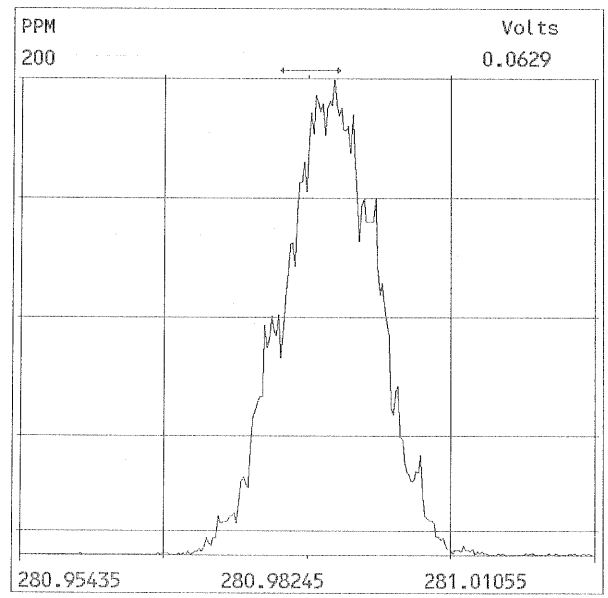




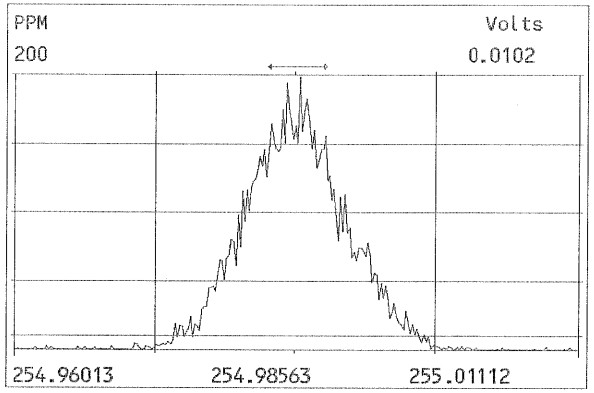


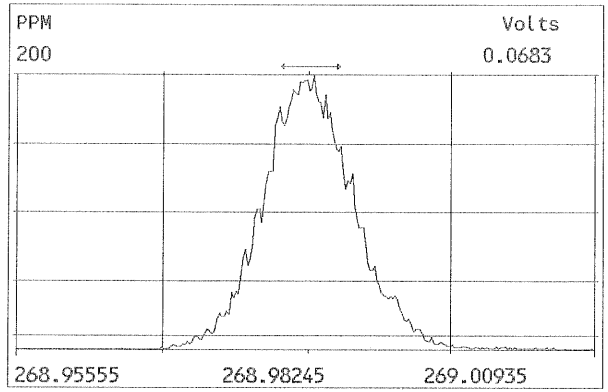


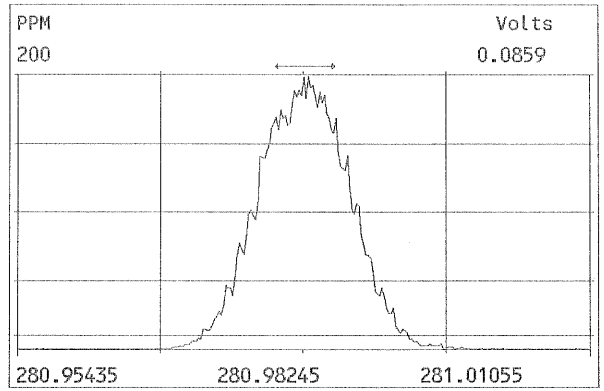


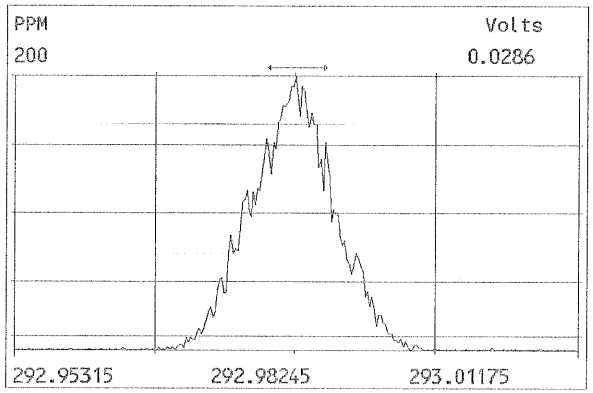


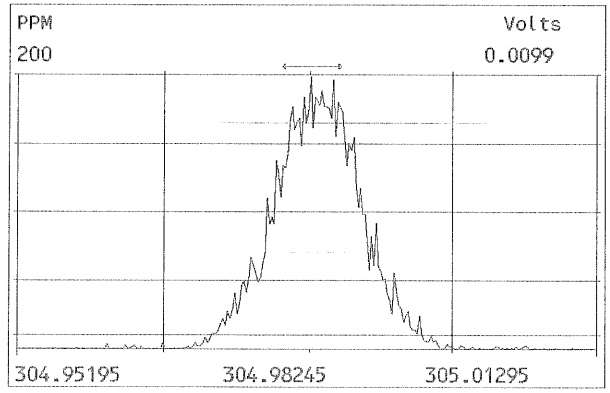
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

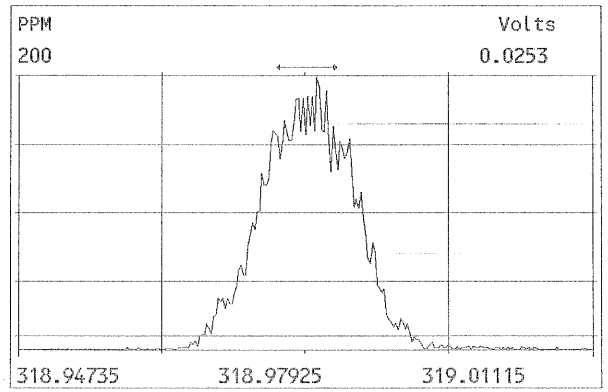


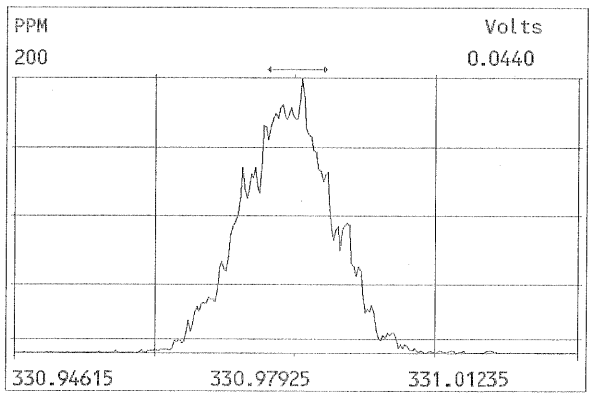


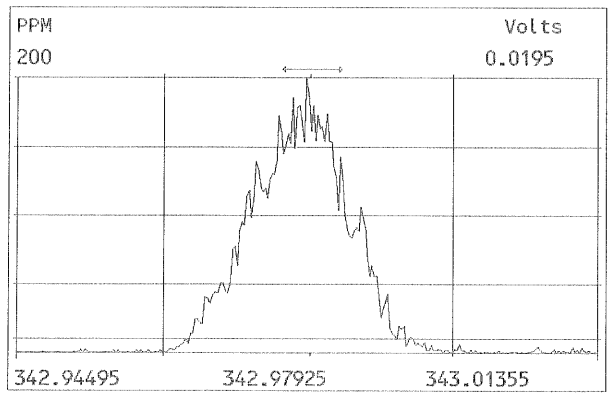






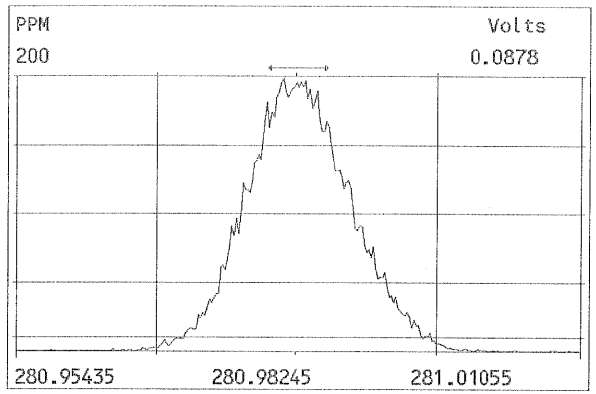


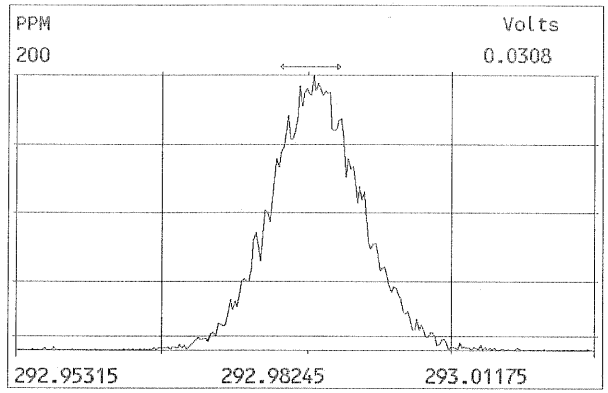


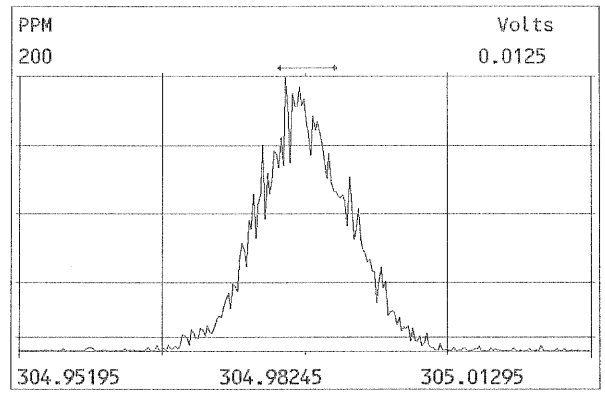


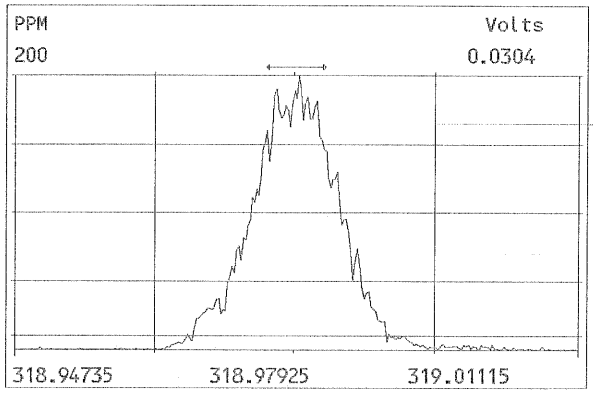
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

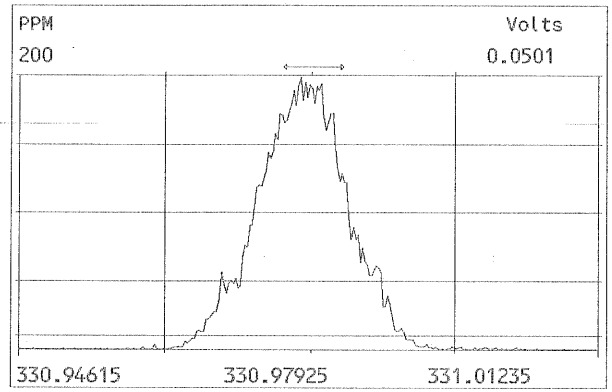
Experiment:1668PCB Function:4 Reference:PFK98

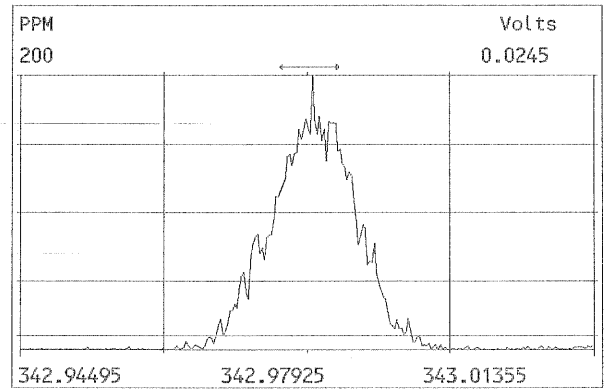


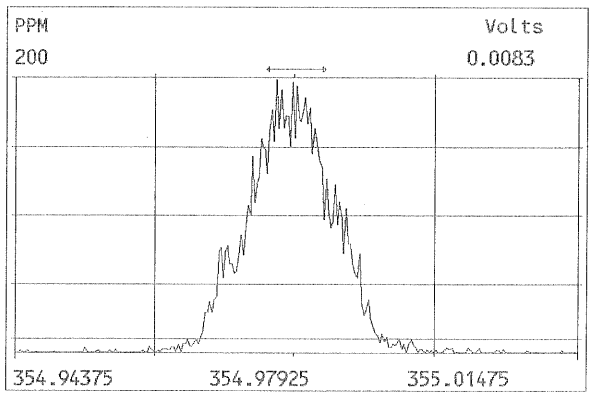


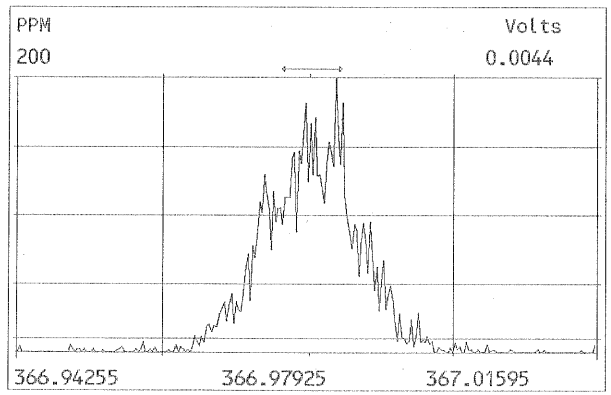


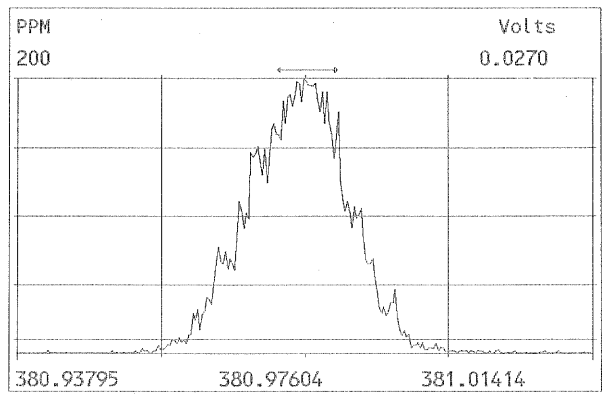




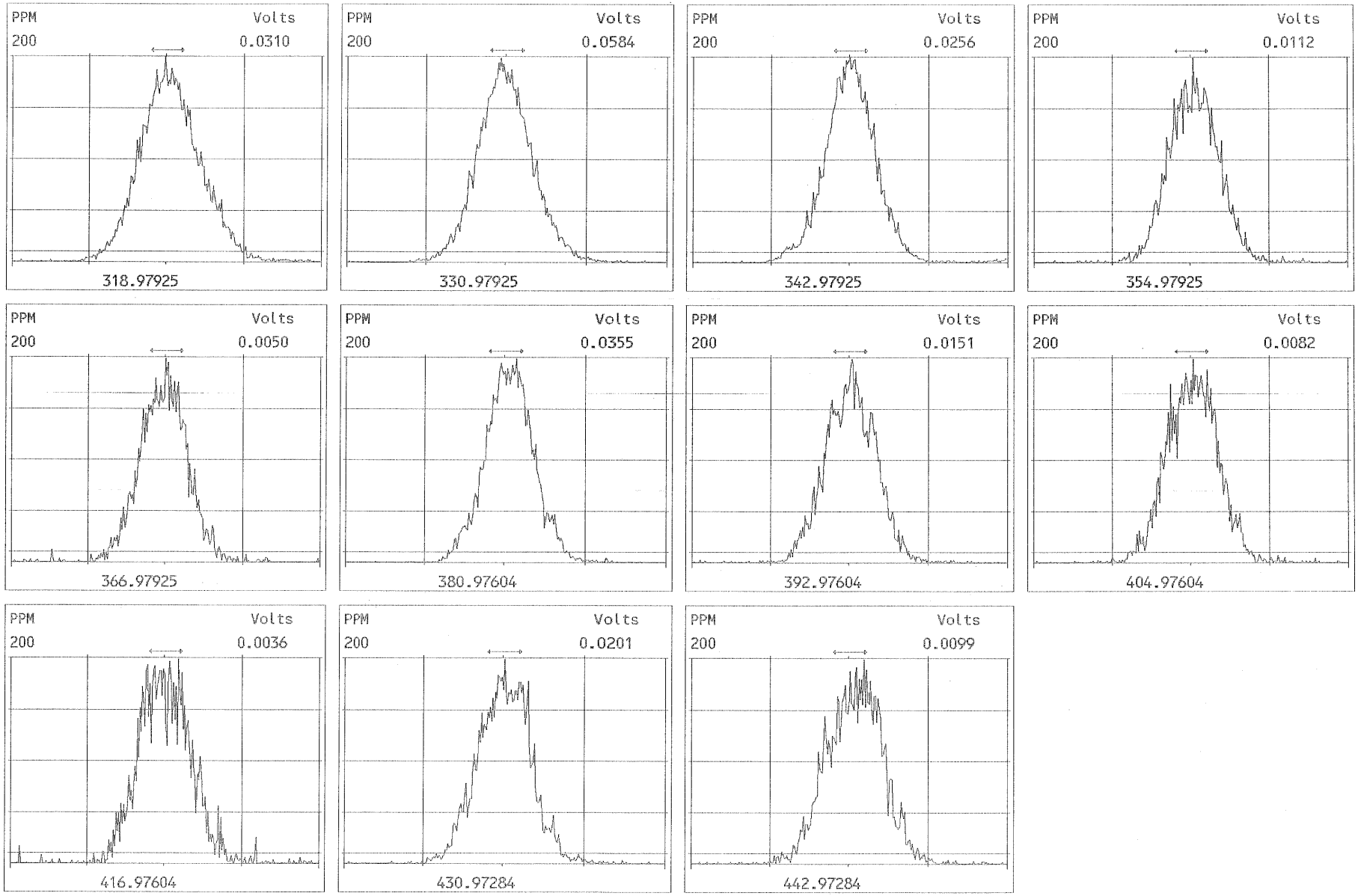




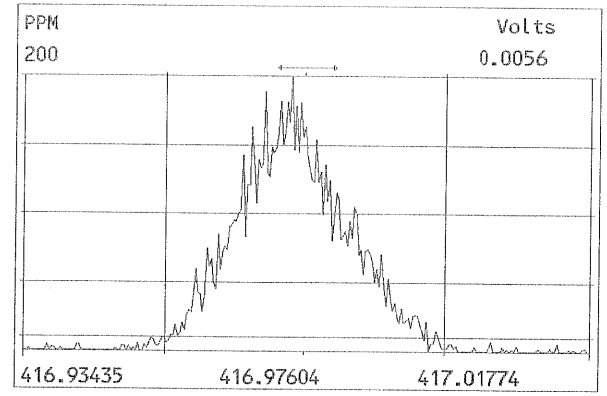


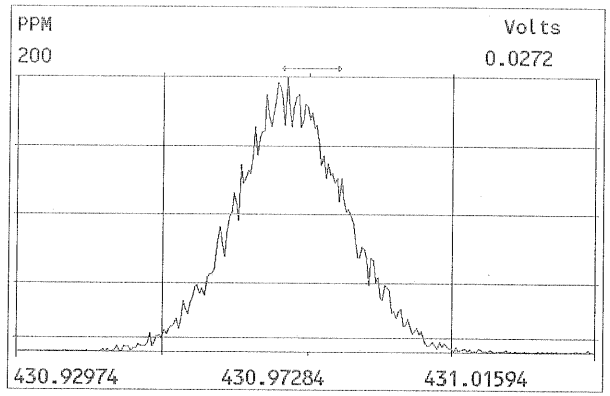


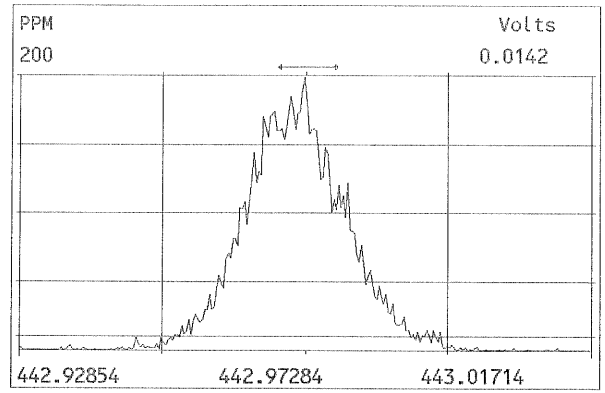
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

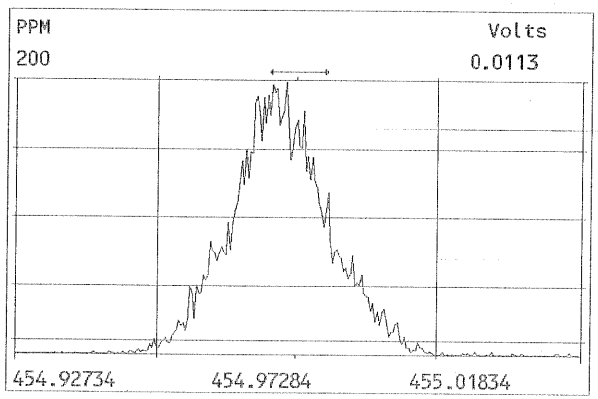


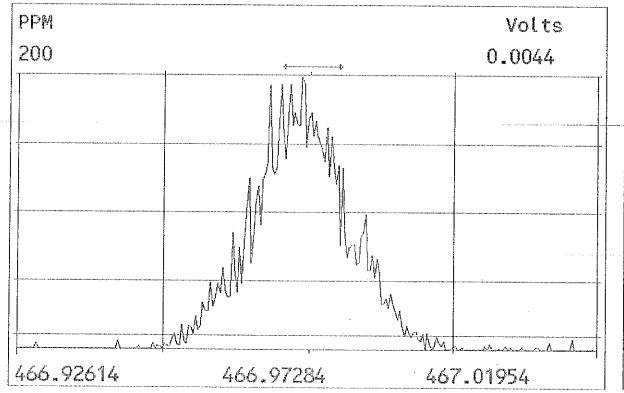
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

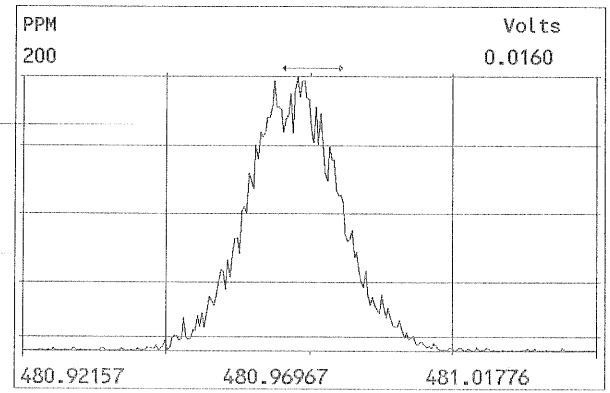


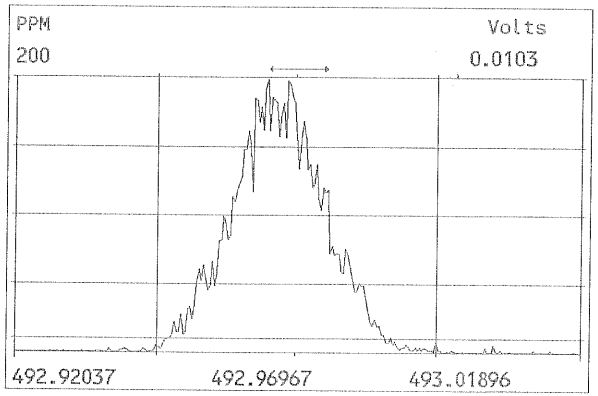


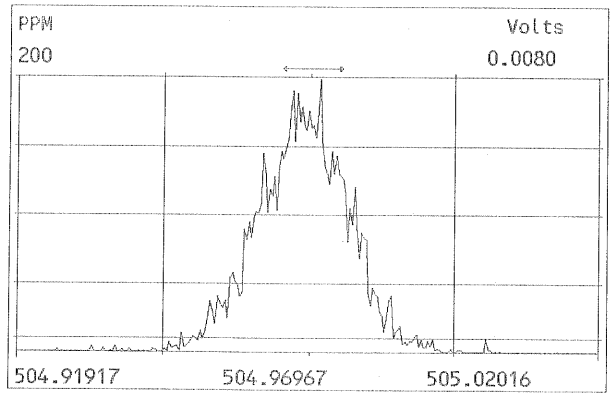


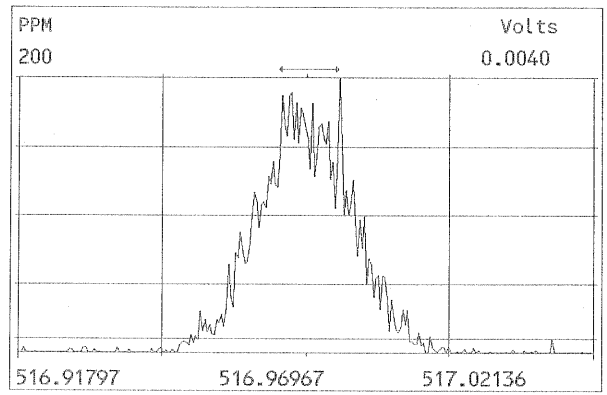












Cal: DAILY209FAL4-11-7-20

Run: 07NOV20Z Analyte: Results: 13378-7 Version: V3.6 21-MAY-2002 15:28:22

Data Filename:07NOV20Z S1

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PCB-1	1.3700	-	1.37	
13C-PCB-1	0.7097	-	0.71	
PCB-2	1.3857	-	1.39	
PCB-3	1.3958	-	1.40	
13C-PCB-3	0.6885	-	0.69	
PCB-4	1.0780	-	1.08	
PCB-10	1.6337	-	1.63	
13C-PCB-4	0.6536	-	0.65	
PCB-9	1.5129	-	1.51	
PCB-7	1.5346	-	1.53	
PCB-6	1.5164	-	1.52	
PCB-8	1.5051	-	1.51	
PCB-5	1.5559	-	1.56	
PCB-14	1.4704	-	1.47	
PCB-11	1.4175	-	1.42	
PCB-13	1.4278	-	1.43	
PCB-12	1.4360	-	1.44	
PCB-15	1.3147	-	1.31	
13C-PCB-15	0.9758	-	0.98	
PCB-19	1.3430	-	1.34	
PCB-30	1.9449	-	1.94	
PCB-18	1.3323	-	1.33	
PCB-17	1.4415	-	1.44	
PCB-27	1.8591	-	1.86	
PCB-24	1.8301	-	1.83	
PCB-16	1.5980	-	1.60	
PCB-32	1.7122	-	1.71	
13C-PCB-19	0.3835	-	0.38	
13C-PCB-9	-	-	-	
PCB-34	1.2625	-	1.26	
PCB-23	1.5160	-	1.52	
PCB-29	1.4032	-	1.40	
PCB-26	1.3265	-	1.33	
PCB-25	1.3064	-	1.31	
PCB-31	1.4040	-	1.40	
PCB-28	1.5521	-	1.55	
PCB-20	1.2909	-	1.29	Co-elute PCB 21/33
PCB-21	1.2909	-	1.29	Co-elute PCB 20/33
PCB-33	1.2909	-	1.29	Co-elute PCB 20/21
PCB-22	1.4783	-	1.48	
PCB-36	1.3244	-	1.32	
PCB-39	1.3210	-	1.32	
PCB-38	1.3300	-	1.33	
PCB-35	1.2386	-	1.24	
PCB-37	1.2765	-	1.28	
13C-PCB-37	1.7613	-	1.76	

PCB-54	1.3662	-	1.37	
PCB-50	1.0686	-	1.07	
PCB-53	1.0249	-	1.02	
PCB-51	1.0998	-	1.10	
PCB-45	0.9032	-	0.90	
PCB-46	0.8592	-	0.86	
PCB-52	1.0708	-	1.07	Co-elute PCB 69
PCB-69	1.0708	-	1.07	Co-elute PCB 52
PCB-73	1.3760	-	1.38	
PCB-43	0.9795	-	0.98	Co-elute PCB 49
PCB-49	0.9795	-	0.98	Co-elute PCB 43
PCB-47	1.0402	-	1.04	
PCB-48	1.2213	-	1.22	Co-elute PCB 75
PCB-75	1.2213	-	1.22	Co-elute PCB 48
PCB-65	1.2311	-	1.23	
PCB-62	1.3581	-	1.36	
PCB-44	0.8488	-	0.85	
PCB-42	1.1039	-	1.10	Co-elute PCB 59
PCB-59	1.1039	-	1.10	Co-elute PCB 42
PCB-72	1.2326	-	1.23	Co-elute PCB 41/71/64
PCB-41	1.2326	-	1.23	Co-elute PCB 72/71/64
PCB-71	1.2326	-	1.23	Co-elute PCB 72/41/64
PCB-64	1.2326	-	1.23	Co-elute PCB 72/41/71
PCB-68	1.4023	-	1.40	
PCB-40	0.7799	-	0.78	
PCB-57	1.3346	-	1.33	
PCB-67	1.2254	-	1.23	
PCB-58	1.4435	-	1.44	
PCB-63	1.3451	-	1.35	
PCB-74	1.2813	-	1.28	
PCB-61	1.2350	-	1.23	Co-elute PCB 70
PCB-70	1.2350	-	1.23	Co-elute PCB 61
PCB-76	1.3765	-	1.38	Co-elute PCB 66
PCB-66	1.3765	-	1.38	Co-elute PCB 76
PCB-80	1.5806	-	1.58	
PCB-55	1.3629	-	1.36	
13C-PCB-54	1.2097	-	1.21	
PCB-104	1.2196	-	1.22	
PCB-96	1.1788	-	1.18	
PCB-103	0.9650	-	0.97	
PCB-100	0.9929	-	0.99	
PCB-94	0.8186	-	0.82	
PCB-98	0.8569	-	0.86	Co-elute PCB 102
PCB-102	0.8569	-	0.86	Co-elute PCB 98
PCB-95	0.8667	-	0.87	
PCB-93	0.8553	-	0.86	
PCB-88	0.8971	-	0.90	Co-elute PCB 91
PCB-91	0.8971	-	0.90	Co-elute PCB 88
PCB-121	1.1855	-	1.19	
13C-PCB-104	0.7809	-	0.78	
13C-PCB-28	2.1941	-	2.19	
13C-PCB-52	-	-	-	

PCB-56	1.2502	-	1.25	Co-elute PCB 60
PCB-60	1.2502	-	1.25	Co-elute PCB 56
PCB-79	1.3132	-	1.31	
PCB-78	1.2675	-	1.27	
PCB-81	1.3283	-	1.33	
13C-PCB-81	1.8374	-	1.84	
PCB-77	1.1694	-	1.17	
13C-PCB-77	1.8929	-	1.89	
PCB-155	1.1609	-	1.16	
PCB-150	1.1007	-	1.10	
PCB-152	1.0899	-	1.09	
PCB-145	1.1158	-	1.12	
PCB-136	1.0604	-	1.06	
PCB-148	0.8645	-	0.86	
PCB-154	0.9404	-	0.94	
13C-PCB-155	1.0199	-	1.02	
13C-PCB-111	1.3120	-	1.31	
13C-PCB-101	-	-	-	
PCB-84	0.6929	-	0.69	Co-elute PCB 92
PCB-92	0.6929	-	0.69	Co-elute PCB 84
PCB-89	0.6831	-	0.68	
PCB-90	0.7636	-	0.76	Co-elute PCB 101
PCB-101	0.7636	-	0.76	Co-elute PCB 90
PCB-113	0.8129	-	0.81	
PCB-99	0.8852	-	0.89	
PCB-119	0.9686	-	0.97	
PCB-83	0.7572	-	0.76	Co-elute PCB 112
PCB-112	0.7572	-	0.76	Co-elute PCB 83
PCB-109	0.9456	-	0.95	
PCB-97	0.6621	-	0.66	
PCB-86	0.6668	-	0.67	
PCB-125	0.8597	-	0.86	Co-elute PCB 87/117
PCB-87	0.8597	-	0.86	Co-elute PCB 125/117
PCB-117	0.8597	-	0.86	Co-elute PCB 125/87
PCB-111	0.9865	-	0.99	Co-elute PCB 115
PCB-115	0.9865	-	0.99	Co-elute PCB 111
PCB-85	0.8267	-	0.83	Co-elute PCB 116
PCB-116	0.8267	-	0.83	Co-elute PCB 85
PCB-120	1.0037	-	1.00	
PCB-110	0.9882	-	0.99	
PCB-82	0.5819	-	0.58	
PCB-124	1.2705	-	1.27	
PCB-108	1.2612	-	1.26	Co-elute PCB 107
PCB-107	1.2612	-	1.26	Co-elute PCB 108
PCB-123	1.2112	-	1.21	
13C-PCB-123	1.4234	-	1.42	
PCB-118	1.2059	-	1.21	Co-elute PCB 106
PCB-106	1.2059	-	1.21	Co-elute PCB 118
13C-PCB-118	1.5376	-	1.54	
PCB-114	1.2989	-	1.30	
13C-PCB-114	1.4578	-	1.46	
PCB-122	1.2897	-	1.29	
PCB-105	1.3064	-	1.31	
13C-PCB-105	1.4539	-	1.45	
PCB-127	1.2066	-	1.21	
PCB-126	1.2777	-	1.28	
13C-PCB-126	1.3132	-	1.31	

PCB-151	1.0029	-	1.00	
PCB-135	1.0091	-	1.01	
PCB-144	1.0322	-	1.03	
PCB-147	1.1145	-	1.11	
PCB-139	1.0903	-	1.09	Co-elute PCB 149
PCB-149	1.0903	-	1.09	Co-elute PCB 139
PCB-140	1.1066	-	1.11	
PCB-143	0.9029	-	0.90	Co-elute PCB 134
PCB-134	0.9029	-	0.90	Co-elute PCB 143
PCB-131	0.9189	-	0.92	Co-elute PCB 133
PCB-133	0.9189	-	0.92	Co-elute PCB 131
PCB-142	0.9401	-	0.94	
PCB-165	1.2010	-	1.20	Co-elute PCB 146
PCB-146	1.2010	-	1.20	Co-elute PCB 165
PCB-161	1.1411	-	1.14	Co-elute PCB 132
PCB-132	1.1411	-	1.14	Co-elute PCB 161
PCB-153	1.1933	-	1.19	
PCB-168	1.3316	-	1.33	
PCB-141	1.0255	-	1.03	
PCB-137	1.0261	-	1.03	
PCB-130	0.8895	-	0.89	
PCB-138	1.1948	-	1.19	Co-elute PCB 163/164
PCB-163	1.1948	-	1.19	Co-elute PCB 138/164
PCB-164	1.1948	-	1.19	Co-elute PCB 138/163
PCB-158	1.3298	-	1.33	Co-elute PCB 160
PCB-160	1.3298	-	1.33	Co-elute PCB 158
PCB-129	0.8654	-	0.87	
PCB-166	1.2922	-	1.29	
PCB-159	1.3855	-	1.39	
PCB-128	1.1152	-	1.12	Co-elute PCB 162
PCB-162	1.1152	-	1.12	Co-elute PCB 128
PCB-167	1.2372	-	1.24	
13C-PCB-167	1.1440	-	1.14	
PCB-156	1.3008	-	1.30	
13C-PCB-156	1.1045	-	1.10	
PCB-157	1.2650	-	1.27	
13C-PCB-157	1.1566	-	1.16	
PCB-169	1.2059	-	1.21	
13C-PCB-169	1.0695	-	1.07	
PCB-188	1.1892	-	1.19	
13C-PCB-188	0.9246	-	0.92	

PCB-184	1.3292	-	1.33	
PCB-179	1.2582	-	1.26	
PCB-176	1.1951	-	1.20	
PCB-186	1.2197	-	1.22	
PCB-178	0.8767	-	0.88	
PCB-175	0.9288	-	0.93	
PCB-187	0.9964	-	1.00	Co-elute PCB 182
PCB-182	0.9964	-	1.00	Co-elute PCB 187
PCB-183	0.9921	-	0.99	
PCB-185	0.9014	-	0.90	
PCB-174	0.8422	-	0.84	
PCB-181	1.0074	-	1.01	
PCB-177	0.8563	-	0.86	
PCB-171	0.9065	-	0.91	
PCB-173	0.8493	-	0.85	
PCB-172	0.8541	-	0.85	
PCB-192	1.1462	-	1.15	
PCB-180	0.8940	-	0.89	
PCB-193	1.2169	-	1.22	
PCB-191	1.1810	-	1.18	
PCB-170	0.8414	-	0.84	
PCB-190	1.1523	-	1.15	
PCB-189	1.1548	-	1.15	
13C-PCB-189	0.7997	-	0.80	
PCB-202	1.1086	-	1.11	
PCB-201	1.1858	-	1.19	
PCB-204	1.2134	-	1.21	
PCB-197	1.2243	-	1.22	
PCB-200	1.1886	-	1.19	
PCB-198	0.8598	-	0.86	
PCB-199	0.8794	-	0.88	
PCB-203	0.9547	-	0.95	Co-elute PCB 196
PCB-196	0.9547	-	0.95	Co-elute PCB 203
13C-PCB-202	0.6442	-	0.64	
13C-PCB-178	0.6731	-	0.67	
13C-PCB-138	-	-	-	
PCB-195	0.9293	-	0.93	
PCB-194	0.9511	-	0.95	
PCB-205	1.1799	-	1.18	
13C-PCB-205	1.2423	-	1.24	
PCB-208	1.1051	-	1.11	
13C-PCB-208	1.1183	-	1.12	
PCB-207	1.2850	-	1.29	
PCB-206	1.1338	-	1.13	
13C-PCB-206	0.8422	-	0.84	
PCB-209	1.2430	-	1.24	
13C-PCB-209	0.8139	-	0.81	
13C-PCB-194	-	-	-	

Analyst: _____ Date: 11/7/00

Run #1 Filename 07NOV20Z S: 1 Acquired: 7-NOV-20 07:31:32 Cal: DAILY209FAL4-11-7-20
Client ID: ST110720Z1 Analyte: DAILY209FAL4-11-7-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	2.32e+07	3.18 y	14:35	-	1.37	
2	IS/RT	13C-PCB-1	100.00	3.38e+07	3.23 y	14:34	-	0.710	
3	Unk	PCB-2	50.00	2.31e+07	3.22 y	16:48	-	1.39	
4	Unk	PCB-3	50.00	2.29e+07	3.22 y	17:01	-	1.40	
5	IS/RT	13C-PCB-3	100.00	3.28e+07	3.31 y	17:00	-	0.688	
6	Unk	PCB-4	50.00	1.68e+07	1.48 y	18:16	-	1.08	
7	Unk	PCB-10	50.00	3.17e+07	1.55 y	18:19	-	1.63	
8	IS/RT	13C-PCB-4	100.00	3.12e+07	1.57 y	18:14	-	0.654	
9	Unk	PCB-9	50.00	2.94e+07	1.54 y	19:56	-	1.51	
10	Unk	PCB-7	50.00	2.98e+07	1.54 y	19:58	-	1.53	
11	Unk	PCB-6	50.00	2.95e+07	1.58 y	20:33	-	1.52	
12	Unk	PCB-8	50.00	2.92e+07	1.58 y	20:57	-	1.51	
13	Unk	PCB-5	50.00	3.02e+07	1.45 y	20:58	-	1.56	
14	Unk	PCB-14	50.00	2.86e+07	1.56 y	21:59	-	1.47	
15	Unk	PCB-11	50.00	2.75e+07	1.49 y	23:07	-	1.42	
16	Unk	PCB-13	50.00	2.77e+07	1.45 y	23:27	-	1.43	
17	Unk	PCB-12	50.00	2.79e+07	1.53 y	23:30	-	1.44	
18	Unk	PCB-15	50.00	3.06e+07	1.61 y	23:47	-	1.31	
19	IS/RT	13C-PCB-15	100.00	4.65e+07	1.58 y	23:46	-	0.976	
20	Unk	PCB-19	50.00	1.23e+07	1.09 y	22:09	-	1.34	
21	Unk	PCB-30	50.00	1.78e+07	1.08 y	22:59	-	1.94	
22	Unk	PCB-18	50.00	1.22e+07	1.08 y	23:41	-	1.33	
23	Unk	PCB-17	50.00	1.32e+07	1.06 y	23:51	-	1.44	
24	Unk	PCB-27	50.00	1.70e+07	1.07 y	24:23	-	1.86	
25	Unk	PCB-24	50.00	1.67e+07	1.07 y	24:24	-	1.83	
26	Unk	PCB-16	50.00	1.46e+07	1.07 y	24:52	-	1.60	
27	Unk	PCB-32	50.00	1.57e+07	1.08 y	24:54	-	1.71	
28	IS/RT	13C-PCB-19	100.00	1.83e+07	1.09 y	22:08	-	0.383	
29	RS	13C-PCB-9	100.00	4.77e+07	1.66 y	19:55	4.77e+05	-	
30	Unk	PCB-34	50.00	2.40e+07	1.04 y	25:38	-	1.26	
31	Unk	PCB-23	50.00	2.89e+07	1.07 y	25:44	-	1.52	
32	Unk	PCB-29	50.00	2.67e+07	1.07 y	25:58	-	1.40	
33	Unk	PCB-26	50.00	2.53e+07	1.08 y	26:09	-	1.33	
34	Unk	PCB-25	50.00	2.49e+07	1.07 y	26:18	-	1.31	
35	Unk	PCB-31	50.00	2.67e+07	1.06 y	26:38	-	1.40	
36	Unk	PCB-28	50.00	2.96e+07	1.07 y	26:45	-	1.55	
37	Unk	PCB-20	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	7.37e+07	1.08 y	27:19	-	1.29	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	2.81e+07	1.07 y	27:44	-	1.48	
41	Unk	PCB-36	50.00	2.52e+07	1.06 y	28:19	-	1.32	
42	Unk	PCB-39	50.00	2.52e+07	1.08 y	28:46	-	1.32	
43	Unk	PCB-38	50.00	2.53e+07	1.06 y	29:30	-	1.33	
44	Unk	PCB-35	50.00	2.36e+07	1.07 y	30:01	-	1.24	
45	Unk	PCB-37	50.00	2.43e+07	1.05 y	30:25	-	1.28	
46	IS	13C-PCB-37	100.00	3.81e+07	1.09 y	30:23	-	1.76	

47	Unk	PCB-54	100.00	3.57e+07	0.81 y	25:40	-	1.37	
48	Unk	PCB-50	100.00	2.80e+07	0.79 y	26:47	-	1.07	
49	Unk	PCB-53	100.00	2.68e+07	0.78 y	27:23	-	1.02	
50	Unk	PCB-51	100.00	2.88e+07	0.79 y	27:43	-	1.10	
51	Unk	PCB-45	100.00	2.36e+07	0.79 y	28:07	-	0.903	
52	Unk	PCB-46	100.00	2.25e+07	0.79 y	28:35	-	0.859	
53	Unk	PCB-52	200.00	5.60e+07	0.78 y	29:01	-	1.07	Co-elute PCB 69
54	Unk	PCB-69	200.00	5.60e+07	0.78 y	29:01	-	1.07	Co-elute PCB 52
55	Unk	PCB-73	100.00	3.60e+07	0.80 y	29:08	-	1.38	
56	Unk	PCB-43	200.00	5.12e+07	0.79 y	29:18	-	0.980	Co-elute PCB 49
57	Unk	PCB-49	200.00	5.12e+07	0.79 y	29:18	-	0.980	Co-elute PCB 43
58	Unk	PCB-47	100.00	2.72e+07	0.77 y	29:30	-	1.04	
59	Unk	PCB-48	200.00	6.39e+07	0.80 y	29:37	-	1.22	Co-elute PCB 75
60	Unk	PCB-75	200.00	6.39e+07	0.80 y	29:37	-	1.22	Co-elute PCB 48
61	Unk	PCB-65	100.00	3.22e+07	0.79 y	29:52	-	1.23	
62	Unk	PCB-62	100.00	3.55e+07	0.79 y	29:58	-	1.36	
63	Unk	PCB-44	100.00	2.22e+07	0.80 y	30:15	-	0.849	
64	Unk	PCB-42	200.00	5.77e+07	0.80 y	30:27	-	1.10	Co-elute PCB 59
65	Unk	PCB-59	200.00	5.77e+07	0.80 y	30:27	-	1.10	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.29e+08	0.79 y	31:00	-	1.23	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.29e+08	0.79 y	31:00	-	1.23	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.29e+08	0.79 y	31:00	-	1.23	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.29e+08	0.79 y	31:00	-	1.23	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	3.67e+07	0.80 y	31:15	-	1.40	
71	Unk	PCB-40	100.00	2.04e+07	0.78 y	31:28	-	0.780	
72	Unk	PCB-57	100.00	3.49e+07	0.79 y	31:48	-	1.33	
73	Unk	PCB-67	100.00	3.21e+07	0.78 y	32:06	-	1.23	
74	Unk	PCB-58	100.00	3.78e+07	0.79 y	32:12	-	1.44	
75	Unk	PCB-63	100.00	3.52e+07	0.78 y	32:21	-	1.35	
76	Unk	PCB-74	100.00	3.35e+07	0.78 y	32:37	-	1.28	
77	Unk	PCB-61	200.00	6.46e+07	0.79 y	32:49	-	1.23	Co-elute PCB 70
78	Unk	PCB-70	200.00	6.46e+07	0.79 y	32:49	-	1.23	Co-elute PCB 61
79	Unk	PCB-76	200.00	7.20e+07	0.79 y	33:01	-	1.38	Co-elute PCB 66
80	Unk	PCB-66	200.00	7.20e+07	0.79 y	33:01	-	1.38	Co-elute PCB 76
81	Unk	PCB-80	100.00	4.13e+07	0.79 y	33:13	-	1.58	
82	Unk	PCB-55	100.00	3.56e+07	0.79 y	33:32	-	1.36	
83	IS/RT	13C-PCB-54	100.00	2.62e+07	0.83 y	25:39	-	1.21	
84	Unk	PCB-104	100.00	2.06e+07	1.56 y	30:07	-	1.22	
85	Unk	PCB-96	100.00	1.99e+07	1.57 y	31:18	-	1.18	
86	Unk	PCB-103	100.00	1.63e+07	1.59 y	31:48	-	0.965	
87	Unk	PCB-100	100.00	1.68e+07	1.59 y	32:08	-	0.993	
88	Unk	PCB-94	100.00	1.38e+07	1.57 y	32:35	-	0.819	
89	Unk	PCB-98	200.00	2.89e+07	1.60 y	33:01	-	0.857	Co-elute PCB 102
90	Unk	PCB-102	200.00	2.89e+07	1.60 y	33:01	-	0.857	Co-elute PCB 98
91	Unk	PCB-95	100.00	1.46e+07	1.56 y	33:05	-	0.867	
92	Unk	PCB-93	100.00	1.44e+07	1.63 y	33:10	-	0.855	
93	Unk	PCB-88	200.00	3.03e+07	1.55 y	33:29	-	0.897	Co-elute PCB 91
94	Unk	PCB-91	200.00	3.03e+07	1.55 y	33:29	-	0.897	Co-elute PCB 88
95	Unk	PCB-121	100.00	2.00e+07	1.58 y	33:33	-	1.19	
96	IS	13C-PCB-104	100.00	1.69e+07	1.59 y	30:06	-	0.781	
97	C/Up	13C-PCB-28	100.00	4.74e+07	1.05 y	26:43	-	2.19	
98	RS	13C-PCB-52	100.00	2.16e+07	0.81 y	29:00	2.16e+05	-	
99	Unk	PCB-56	200.00	8.63e+07	0.77 y	34:01	-	1.25	Co-elute PCB 60
100	Unk	PCB-60	200.00	8.63e+07	0.77 y	34:01	-	1.25	Co-elute PCB 56

101	Unk	PCB-79	100.00	4.53e+07	0.81 y	35:01	-	1.31	
102	Unk	PCB-78	100.00	4.37e+07	0.80 y	35:40	-	1.27	
103	Unk	PCB-81	100.00	4.51e+07	0.81 y	36:11	-	1.33	
104	IS	13C-PCB-81	100.00	3.40e+07	0.81 y	36:10	-	1.84	
105	Unk	PCB-77	100.00	4.09e+07	0.83 y	36:45	-	1.17	
106	IS/RT	13C-PCB-77	100.00	3.50e+07	0.81 y	36:44	-	1.89	
107	Unk	PCB-155	100.00	2.19e+07	1.27 y	34:16	-	1.16	
108	Unk	PCB-150	100.00	2.08e+07	1.26 y	35:28	-	1.10	
109	Unk	PCB-152	100.00	2.06e+07	1.28 y	35:54	-	1.09	
110	Unk	PCB-145	100.00	2.10e+07	1.28 y	36:20	-	1.12	
111	Unk	PCB-136	100.00	2.00e+07	1.26 y	36:39	-	1.06	
112	Unk	PCB-148	100.00	1.63e+07	1.28 y	36:44	-	0.865	
113	Unk	PCB-154	100.00	1.77e+07	1.28 y	37:11	-	0.940	
114	IS	13C-PCB-155	100.00	1.89e+07	1.28 y	34:14	-	1.02	
115	C/Up	13C-PCB-111	100.00	2.43e+07	1.59 y	36:18	-	1.31	
116	RS	13C-PCB-101	100.00	1.85e+07	1.65 y	34:41	1.85e+05	-	
117	Unk	PCB-84	200.00	4.27e+07	1.60 y	34:21	-	0.693	Co-elute PCB 92
118	Unk	PCB-92	200.00	4.27e+07	1.60 y	34:21	-	0.693	Co-elute PCB 84
119	Unk	PCB-89	100.00	2.10e+07	1.57 y	34:31	-	0.683	
120	Unk	PCB-90	200.00	4.70e+07	1.61 y	34:41	-	0.764	Co-elute PCB 101
121	Unk	PCB-101	200.00	4.70e+07	1.61 y	34:41	-	0.764	Co-elute PCB 90
122	Unk	PCB-113	100.00	2.50e+07	1.56 y	34:55	-	0.813	
123	Unk	PCB-99	100.00	2.73e+07	1.63 y	35:01	-	0.885	
124	Unk	PCB-119	100.00	2.98e+07	1.59 y	35:27	-	0.969	
125	Unk	PCB-83	200.00	4.66e+07	1.60 y	35:35	-	0.757	Co-elute PCB 112
126	Unk	PCB-112	200.00	4.66e+07	1.60 y	35:35	-	0.757	Co-elute PCB 83
127	Unk	PCB-109	100.00	2.91e+07	1.59 y	35:45	-	0.946	
128	Unk	PCB-97	100.00	2.04e+07	1.57 y	35:56	-	0.662	
129	Unk	PCB-86	100.00	2.05e+07	1.56 y	36:04	-	0.667	
130	Unk	PCB-125	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	7.94e+07	1.67 y	36:12	-	0.860	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	6.07e+07	1.51 y	36:21	-	0.987	Co-elute PCB 115
134	Unk	PCB-115	200.00	6.07e+07	1.51 y	36:21	-	0.987	Co-elute PCB 111
135	Unk	PCB-85	200.00	5.09e+07	1.62 y	36:28	-	0.827	Co-elute PCB 116
136	Unk	PCB-116	200.00	5.09e+07	1.62 y	36:28	-	0.827	Co-elute PCB 85
137	Unk	PCB-120	100.00	3.09e+07	1.55 y	36:41	-	1.00	
138	Unk	PCB-110	100.00	3.04e+07	1.59 y	36:50	-	0.988	
139	Unk	PCB-82	100.00	1.79e+07	1.59 y	37:25	-	0.582	
140	Unk	PCB-124	100.00	3.91e+07	1.56 y	38:04	-	1.27	
141	Unk	PCB-108	200.00	7.77e+07	1.60 y	38:13	-	1.26	Co-elute PCB 107
142	Unk	PCB-107	200.00	7.77e+07	1.60 y	38:13	-	1.26	Co-elute PCB 108
143	Unk	PCB-123	100.00	3.62e+07	1.60 y	38:23	-	1.21	
144	IS	13C-PCB-123	100.00	2.98e+07	1.61 y	38:21	-	1.42	
145	Unk	PCB-118	200.00	7.78e+07	1.59 y	38:34	-	1.21	Co-elute PCB 106
146	Unk	PCB-106	200.00	7.78e+07	1.59 y	38:34	-	1.21	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	3.22e+07	1.62 y	38:31	-	1.54	
148	Unk	PCB-114	100.00	3.97e+07	1.58 y	39:10	-	1.30	
149	IS	13C-PCB-114	100.00	3.06e+07	1.62 y	39:09	-	1.46	
150	Unk	PCB-122	100.00	3.97e+07	1.60 y	39:17	-	1.29	
151	Unk	PCB-105	100.00	3.98e+07	1.57 y	39:58	-	1.31	
152	IS	13C-PCB-105	100.00	3.05e+07	1.61 y	39:58	-	1.45	
153	Unk	PCB-127	100.00	3.71e+07	1.65 y	40:18	-	1.21	
154	Unk	PCB-126	100.00	3.52e+07	1.60 y	42:06	-	1.28	
155	IS	13C-PCB-126	100.00	2.75e+07	1.65 y	42:05	-	1.31	

156	Unk	PCB-151	100.00	2.35e+07	1.29 y	37:50	-	1.00	
157	Unk	PCB-135	100.00	2.37e+07	1.28 y	38:01	-	1.01	
158	Unk	PCB-144	100.00	2.42e+07	1.28 y	38:08	-	1.03	
159	Unk	PCB-147	100.00	2.61e+07	1.26 y	38:14	-	1.11	
160	Unk	PCB-139	200.00	5.12e+07	1.28 y	38:31	-	1.09	Co-elute PCB 149
161	Unk	PCB-149	200.00	5.12e+07	1.28 y	38:31	-	1.09	Co-elute PCB 139
162	Unk	PCB-140	100.00	2.60e+07	1.27 y	38:41	-	1.11	
163	Unk	PCB-143	200.00	4.24e+07	1.28 y	39:05	-	0.903	Co-elute PCB 134
164	Unk	PCB-134	200.00	4.24e+07	1.28 y	39:05	-	0.903	Co-elute PCB 143
165	Unk	PCB-131	200.00	4.31e+07	1.27 y	39:22	-	0.919	Co-elute PCB 133
166	Unk	PCB-133	200.00	4.31e+07	1.27 y	39:22	-	0.919	Co-elute PCB 131
167	Unk	PCB-142	100.00	2.21e+07	1.27 y	39:32	-	0.940	
168	Unk	PCB-165	200.00	5.63e+07	1.25 y	39:43	-	1.20	Co-elute PCB 146
169	Unk	PCB-146	200.00	5.63e+07	1.25 y	39:43	-	1.20	Co-elute PCB 165
170	Unk	PCB-161	200.00	5.35e+07	1.27 y	39:56	-	1.14	Co-elute PCB 132
171	Unk	PCB-132	200.00	5.35e+07	1.27 y	39:56	-	1.14	Co-elute PCB 161
172	Unk	PCB-153	100.00	2.80e+07	1.28 y	40:06	-	1.19	
173	Unk	PCB-168	100.00	3.12e+07	1.25 y	40:18	-	1.33	
174	Unk	PCB-141	100.00	2.41e+07	1.26 y	40:49	-	1.03	
175	Unk	PCB-137	100.00	2.41e+07	1.27 y	41:10	-	1.03	
176	Unk	PCB-130	100.00	2.09e+07	1.29 y	41:17	-	0.890	
177	Unk	PCB-138	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	8.41e+07	1.27 y	41:38	-	1.19	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	6.24e+07	1.28 y	41:52	-	1.33	Co-elute PCB 160
181	Unk	PCB-160	200.00	6.24e+07	1.28 y	41:52	-	1.33	Co-elute PCB 158
182	Unk	PCB-129	100.00	2.03e+07	1.28 y	42:05	-	0.865	
183	Unk	PCB-166	100.00	3.03e+07	1.25 y	42:31	-	1.29	
184	Unk	PCB-159	100.00	3.25e+07	1.26 y	42:49	-	1.39	
185	Unk	PCB-128	200.00	5.23e+07	1.28 y	43:06	-	1.12	Co-elute PCB 162
186	Unk	PCB-162	200.00	5.23e+07	1.28 y	43:06	-	1.12	Co-elute PCB 128
187	Unk	PCB-167	100.00	2.97e+07	1.27 y	43:27	-	1.24	
188	IS	13C-PCB-167	100.00	2.40e+07	1.30 y	43:27	-	1.14	
189	Unk	PCB-156	100.00	3.01e+07	1.27 y	44:41	-	1.30	
190	IS	13C-PCB-156	100.00	2.32e+07	1.31 y	44:41	-	1.10	
191	Unk	PCB-157	100.00	3.07e+07	1.29 y	44:58	-	1.27	
192	IS	13C-PCB-157	100.00	2.43e+07	1.29 y	44:56	-	1.16	
193	Unk	PCB-169	100.00	2.70e+07	1.26 y	46:48	-	1.21	
194	IS	13C-PCB-169	100.00	2.24e+07	1.31 y	46:46	-	1.07	
195	Unk	PCB-188	100.00	2.31e+07	1.06 y	39:45	-	1.19	
196	IS	13C-PCB-188	100.00	1.94e+07	1.06 y	39:45	-	0.925	

197	Unk	PCB-184	100.00	2.40e+07	1.05 y	40:11	-	1.33	
198	Unk	PCB-179	100.00	2.27e+07	1.08 y	40:56	-	1.26	
199	Unk	PCB-176	100.00	2.16e+07	1.06 y	41:22	-	1.20	
200	Unk	PCB-186	100.00	2.21e+07	1.08 y	41:57	-	1.22	
201	Unk	PCB-178	100.00	1.58e+07	1.07 y	42:23	-	0.877	
202	Unk	PCB-175	100.00	1.68e+07	1.07 y	42:43	-	0.929	
203	Unk	PCB-187	200.00	3.60e+07	1.07 y	42:53	-	0.996	Co-elute PCB 182
204	Unk	PCB-182	200.00	3.60e+07	1.07 y	42:53	-	0.996	Co-elute PCB 187
205	Unk	PCB-183	100.00	1.79e+07	1.07 y	43:11	-	0.992	
206	Unk	PCB-185	100.00	1.63e+07	1.08 y	43:48	-	0.901	
207	Unk	PCB-174	100.00	1.52e+07	1.05 y	44:10	-	0.842	
208	Unk	PCB-181	100.00	1.82e+07	1.06 y	44:15	-	1.01	
209	Unk	PCB-177	100.00	1.55e+07	1.07 y	44:25	-	0.856	
210	Unk	PCB-171	100.00	1.64e+07	1.07 y	44:41	-	0.906	
211	Unk	PCB-173	100.00	1.54e+07	1.06 y	45:06	-	0.849	
212	Unk	PCB-172	100.00	1.54e+07	1.06 y	45:29	-	0.854	
213	Unk	PCB-192	100.00	2.07e+07	1.06 y	45:39	-	1.15	
214	Unk	PCB-180	100.00	1.62e+07	1.06 y	45:50	-	0.894	
215	Unk	PCB-193	100.00	2.20e+07	1.06 y	46:00	-	1.22	
216	Unk	PCB-191	100.00	2.14e+07	1.07 y	46:13	-	1.18	
217	Unk	PCB-170	100.00	1.52e+07	1.06 y	47:08	-	0.841	
218	Unk	PCB-190	100.00	2.08e+07	1.09 y	47:16	-	1.15	
219	Unk	PCB-189	100.00	1.94e+07	1.04 y	48:28	-	1.15	
220	IS	13C-PCB-189	100.00	1.68e+07	1.07 y	48:27	-	0.800	
221	Unk	PCB-202	150.00	2.25e+07	0.91 y	44:53	-	1.11	
222	Unk	PCB-201	150.00	2.40e+07	0.95 y	45:19	-	1.19	
223	Unk	PCB-204	150.00	2.46e+07	0.86 y	45:27	-	1.21	
224	Unk	PCB-197	150.00	2.48e+07	0.91 y	45:44	-	1.22	
225	Unk	PCB-200	150.00	2.41e+07	0.91 y	46:28	-	1.19	
226	Unk	PCB-198	150.00	1.74e+07	0.90 y	47:37	-	0.860	
227	Unk	PCB-199	150.00	1.78e+07	0.92 y	47:44	-	0.879	
228	Unk	PCB-203	300.00	3.87e+07	0.91 y	47:59	-	0.955	Co-elute PCB 196
229	Unk	PCB-196	300.00	3.87e+07	0.91 y	47:59	-	0.955	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	1.35e+07	0.92 y	44:51	-	0.644	
231	C/Up	13C-PCB-178	100.00	1.41e+07	1.08 y	42:23	-	0.673	
232	RS	13C-PCB-138	100.00	2.10e+07	1.30 y	41:35	2.10e+05	-	
233	Unk	PCB-195	150.00	3.81e+07	0.90 y	49:04	-	0.929	
234	Unk	PCB-194	150.00	3.89e+07	0.92 y	49:53	-	0.951	
235	Unk	PCB-205	150.00	4.83e+07	0.91 y	50:07	-	1.18	
236	IS	13C-PCB-205	100.00	2.73e+07	0.91 y	50:07	-	1.24	
237	Unk	PCB-208	150.00	4.07e+07	1.35 y	49:12	-	1.11	
238	IS	13C-PCB-208	100.00	2.46e+07	0.80 y	49:11	-	1.12	
239	Unk	PCB-207	150.00	4.15e+07	1.37 y	49:28	-	1.29	
240	Unk	PCB-206	150.00	3.15e+07	1.33 y	51:20	-	1.13	
241	IS	13C-PCB-206	100.00	1.85e+07	0.82 y	51:19	-	0.842	
242	Unk	PCB-209	150.00	3.33e+07	1.21 y	52:31	-	1.24	
243	IS	13C-PCB-209	100.00	1.79e+07	1.22 y	52:30	-	0.814	
244	RS	13C-PCB-194	100.00	2.20e+07	0.91 y	49:52	2.20e+05	-	

Analyst: _____ Date: 11/7/86

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: 07NOV20Z Sam:1 Analysis Date: 7-NOV-20 07:31:32

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.18	2.66-3.60	y	56.6	37.5 - 62.5
PCB-3	M/M+2	3.22	2.66-3.60	y	56.7	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	47.3	37.5 - 62.5
PCB-15	M/M+2	1.61	1.33-1.79	y	60.2	37.5 - 62.5
PCB-19	M/M+2	1.09	0.88-1.20	y	55.4	37.5 - 62.5
PCB-37	M/M+2	1.05	0.88-1.20	y	55.8	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	0.83	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	117	75.0 - 125
PCB-104	M+2/M+4	1.56	1.32-1.78	y	109	75.0 - 125
PCB-105	M+2/M+4	1.57	1.32-1.78	y	118	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	115	75.0 - 125
PCB-118	M+2/M+4	1.59	1.32-1.78	y	215	150 - 250
PCB-123	M+2/M+4	1.60	1.32-1.78	y	109	75.0 - 125
PCB-126	M+2/M+4	1.60	1.32-1.78	y	118	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.27	1.05-1.43	y	115	75.0 - 125
PCB-157	M+2/M+4	1.29	1.05-1.43	y	117	75.0 - 125
PCB-167	M+2/M+4	1.27	1.05-1.43	y	112	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	112	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	1.04	0.89-1.21	y	108	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	0.91	0.76-1.02	y	163	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	164	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	164	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	165	112.5 - 187.5

Analyst: [illegible] Date: 11/7/20

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: 07NOV20Z Sam:1 Analysis Date: 7-NOV-20 07:31:32

	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	78.9	50.0 - 145
13C-PCB-3	M/M+2	3.31	2.66-3.60	y	74.0	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	99.2	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	89.8	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	76.0	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	107	50.0 - 145
13C-PCB-54	M/M+2	0.83	0.65-0.89	y	95.8	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	117	50.0 - 145
13C-PCB-81	M/M+2	0.81	0.65-0.89	y	117	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	76.5	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	113	50.0 - 145
13C-PCB-114	M+2/M+4	1.62	1.32-1.78	y	113	50.0 - 145
13C-PCB-118	M+2/M+4	1.62	1.32-1.78	y	114	50.0 - 145
13C-PCB-123	M+2/M+4	1.61	1.32-1.78	y	111	50.0 - 145
13C-PCB-126	M+2/M+4	1.65	1.32-1.78	y	107	50.0 - 145
13C-PCB-155	M+2/M+4	1.28	1.05-1.43	y	92.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	93.0	50.0 - 145
13C-PCB-157	M+2/M+4	1.29	1.05-1.43	y	95.3	50.0 - 145
13C-PCB-167	M+2/M+4	1.30	1.05-1.43	y	93.1	50.0 - 145
13C-PCB-169	M+2/M+4	1.31	1.05-1.43	y	91.4	50.0 - 145
13C-PCB-188	M+2/M+4	1.06	0.89-1.21	y	82.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	82.8	50.0 - 145
13C-PCB-202	M+2/M+4	0.92	0.76-1.02	y	67.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.91	0.76-1.02	y	94.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.82	0.65-0.89	y	89.9	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	81.3	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	73.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.05	0.88-1.20	y	127	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	103	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	86.7	75.0 - 125

Analyst: _____ Date: 11/7/20

FAL ID: ST110720Z1 Filename: 07NOV20Z Sam:1 Acquired: 7-NOV-20 07:31:32 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	2.32e+07	3.18 y	14:35	1.21	56.6		2.50	-	-	*	-
13C-PCB-1	3.38e+07	3.23 y	14:34	0.90	78.9		2.50				78.9
PCB-3	2.29e+07	3.22 y	17:01	1.23	56.7		2.50	-	-	*	-
13C-PCB-3	3.28e+07	3.31 y	16:60	0.93	74.0		2.50				74.0
PCB-4	1.68e+07	1.48 y	18:16	1.14	47.3		2.50	-	-	*	-
13C-PCB-4	3.12e+07	1.57 y	18:14	0.66	99.2		2.50				99.2
PCB-15	3.06e+07	1.61 y	23:47	1.09	60.2		2.50	-	-	*	-
13C-PCB-15	4.65e+07	1.58 y	23:46	1.09	89.8		2.50				89.8
PCB-19	1.23e+07	1.09 y	22:09	1.21	55.4		2.50	-	-	*	-
13C-PCB-19	1.83e+07	1.09 y	22:08	0.50	76.0		2.50				76.0
13C-PCB-9	4.77e+07	1.66 y	19:55	-	46.7		2.50				
PCB-37	2.43e+07	1.05 y	30:25	1.14	55.8		2.50	-	-	*	-
13C-PCB-37	3.81e+07	1.09 y	30:23	1.64	107		2.50				107
PCB-54	3.57e+07	0.81 y	25:40	1.18	115		2.50	-	-	*	-
13C-PCB-54	2.62e+07	0.83 y	25:39	1.26	95.8		2.50				95.8
PCB-104	2.06e+07	1.56 y	30:07	1.12	109		2.50	-	-	*	-
13C-PCB-104	1.69e+07	1.59 y	30:06	1.02	76.5		2.50				76.5
13C-PCB-28	4.74e+07	1.05 y	26:43	1.73	127		2.50				127
13C-PCB-52	2.16e+07	0.81 y	28:60	-	40.7		2.50				
PCB-81	4.51e+07	0.81 y	36:11	1.13	117		2.50	-	-	*	-
13C-PCB-81	3.40e+07	0.81 y	36:10	1.57	117		2.50				117
PCB-77	4.09e+07	0.83 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	3.50e+07	0.81 y	36:44	1.61	117		2.50				117
PCB-155	2.19e+07	1.27 y	34:16	1.13	102		2.50	-	-	*	-
13C-PCB-155	1.89e+07	1.28 y	34:14	1.10	92.4		2.50				92.4
13C-PCB-111	2.43e+07	1.59 y	36:18	1.27	103		2.50				103
13C-PCB-101	1.85e+07	1.65 y	34:41	-	38.8		2.50				
PCB-123	3.62e+07	1.60 y	38:23	1.11	109		2.50	-	-	*	-
13C-PCB-123	2.98e+07	1.61 y	38:21	1.28	111		2.50				111
PCB-118	7.78e+07	1.59 y	38:34	1.12	215		2.50	-	-	*	-
13C-PCB-118	3.22e+07	1.62 y	38:31	1.35	114		2.50				114
PCB-114	3.97e+07	1.58 y	39:10	1.13	115		2.50	-	-	*	-
13C-PCB-114	3.06e+07	1.62 y	39:09	1.29	113		2.50				113
PCB-105	3.98e+07	1.57 y	39:58	1.10	118		2.50	-	-	*	-
13C-PCB-105	3.05e+07	1.61 y	39:58	1.28	113		2.50				113
PCB-126	3.52e+07	1.60 y	42:06	1.08	118		2.50	-	-	*	-
13C-PCB-126	2.75e+07	1.65 y	42:05	1.23	107		2.50				107
PCB-167	2.97e+07	1.27 y	43:27	1.11	112		2.50	-	-	*	-
13C-PCB-167	2.40e+07	1.30 y	43:27	1.23	93.1		2.50				93.1
PCB-156	3.01e+07	1.27 y	44:41	1.13	115		2.50	-	-	*	-
13C-PCB-156	2.32e+07	1.31 y	44:41	1.19	93.0		2.50				93.0
PCB-157	3.07e+07	1.29 y	44:58	1.08	117		2.50	-	-	*	-
13C-PCB-157	2.43e+07	1.29 y	44:56	1.21	95.3		2.50				95.3
PCB-169	2.70e+07	1.26 y	46:48	1.08	112		2.50	-	-	*	-
13C-PCB-169	2.24e+07	1.31 y	46:46	1.17	91.4		2.50				91.4
PCB-188	2.31e+07	1.06 y	39:45	1.10	108		2.50	-	-	*	-
13C-PCB-188	1.94e+07	1.06 y	39:45	1.13	82.0		2.50				82.0
PCB-189	1.94e+07	1.04 y	48:28	1.07	108		2.50	-	-	*	-
13C-PCB-189	1.68e+07	1.07 y	48:27	0.97	82.8		2.50				82.8
PCB-202	2.25e+07	0.91 y	44:53	1.03	162		2.50	-	-	*	-
13C-PCB-202	1.35e+07	0.92 y	44:51	0.96	67.4		2.50				67.4
13C-PCB-178	1.41e+07	1.08 y	42:23	0.78	86.7		2.50				86.7
13C-PCB-138	2.10e+07	1.30 y	41:35	-	43.6		2.50				

FAL ID: ST110720Z1 Filename: 07NOV20Z Sam:1 Acquired: 7-NOV-20 07:31:32 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	4.83e+07	0.91 y	50:07	1.09	163	2.50	-	-	*	-
13C-PCB-205	2.73e+07	0.91 y	50:07	1.32	94.4	2.50				94.4
PCB-208	4.07e+07	1.35 y	49:12	1.01	164	2.50	-	-	*	-
13C-PCB-208	2.46e+07	0.80 y	49:11	1.38	81.3	2.50				81.3
PCB-206	3.15e+07	1.33 y	51:20	1.04	164	2.50	-	-	*	-
13C-PCB-206	1.85e+07	0.82 y	51:19	0.94	89.9	2.50				89.9
PCB-209	3.33e+07	1.21 y	52:31	1.13	165	2.50	-	-	*	-
13C-PCB-209	1.79e+07	1.22 y	52:30	1.10	73.8	2.50				73.8
13C-PCB-194	2.20e+07	0.91 y	49:52	-	57.7	2.50				

Analyst: [illegible] Date: 11/7/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/7/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	51.5	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	52.4	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	57.1	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	51.3	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	49.4	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	51.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	99.5	75.0 - 125
PCB-77	M/M+2	0.85	0.65-0.89	y	98.2	75.0 - 125
PCB-81	M/M+2	0.82	0.65-0.89	y	98.6	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	100	75.0 - 125
PCB-105	M+2/M+4	1.64	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.63	1.32-1.78	y	105	75.0 - 125
PCB-118	M+2/M+4	1.62	1.32-1.78	y	209	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	92.8	75.0 - 125
PCB-126	M+2/M+4	1.63	1.32-1.78	y	101	75.0 - 125
PCB-155	M+2/M+4	1.29	1.05-1.43	y	104	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	101	75.0 - 125
PCB-157	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.25	1.05-1.43	y	99.4	75.0 - 125
PCB-188	M+2/M+4	1.08	0.89-1.21	y	102	75.0 - 125
PCB-189	M+2/M+4	1.06	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	151	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	147	112.5 - 187.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	147	112.5 - 187.5
PCB-208	M+4/M+6	1.34	1.13-1.53	y	148	112.5 - 187.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	150	112.5 - 187.5

Analyst: [illegible] Date: 11/9/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/7/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

	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	3.21	2.66-3.60	y	98.8	50.0 - 145
13C-PCB-3	M/M+2	3.30	2.66-3.60	y	96.2	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	99.5	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	96.4	50.0 - 145
13C-PCB-19	M/M+2	1.12	0.88-1.20	y	95.1	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	89.4	50.0 - 145
13C-PCB-54	M/M+2	0.82	0.65-0.89	y	109	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	93.9	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	112	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	87.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	86.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	88.9	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	90.4	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	90.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	96.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	98.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	98.4	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	97.1	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	99.3	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	96.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	100	50.0 - 145
13C-PCB-202	M+2/M+4	0.88	0.76-1.02	y	91.5	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-209	M+4/M+6	1.23	0.99-1.33	y	104	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.02	0.88-1.20	y	92.6	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	97.5	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	100	75.0 - 125

Analyst: b Date: 11/9/20

FAL ID: ST110720Z2 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: DAILY209FAL4-11-7-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 13378-7 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.04e+07	3.24 y	14:32	1.37	51.5		2.50	-	-	*	
13C-PCB-1	4.30e+07	3.21 y	14:31	0.71	98.8		2.50				98.8
PCB-3	2.97e+07	3.23 y	16:57	1.40	52.4		2.50	-	-	*	
13C-PCB-3	4.07e+07	3.30 y	16:56	0.69	96.2		2.50				96.2
PCB-4	2.46e+07	1.49 y	18:12	1.08	57.1		2.50	-	-	*	
13C-PCB-4	3.99e+07	1.60 y	18:11	0.65	99.5		2.50				99.5
PCB-15	3.89e+07	1.53 y	23:43	1.31	51.3		2.50	-	-	*	
13C-PCB-15	5.77e+07	1.63 y	23:41	0.98	96.4		2.50				96.4
PCB-19	1.48e+07	1.07 y	22:05	1.34	49.4		2.50	-	-	*	
13C-PCB-19	2.24e+07	1.12 y	22:03	0.38	95.1		2.50				95.1
13C-PCB-9	6.14e+07	1.61 y	19:51	-	129		2.50				
PCB-37	2.67e+07	1.13 y	30:21	1.28	51.3		2.50	-	-	*	
13C-PCB-37	4.07e+07	1.04 y	30:20	1.76	89.4		2.50				89.4
PCB-54	4.63e+07	0.78 y	25:37	1.37	99.5		2.50	-	-	*	
13C-PCB-54	3.40e+07	0.82 y	25:35	1.21	109		2.50				109
PCB-104	2.77e+07	1.57 y	30:02	1.22	100		2.50	-	-	*	
13C-PCB-104	2.26e+07	1.60 y	30:01	0.78	112		2.50				112
13C-PCB-28	5.25e+07	1.02 y	26:40	2.19	92.6		2.50				92.6
13C-PCB-52	2.59e+07	0.80 y	28:55	-	120		2.50				
PCB-81	5.38e+07	0.82 y	36:07	1.33	98.6		2.50	-	-	*	
13C-PCB-81	4.11e+07	0.79 y	36:06	1.84	92.6		2.50				92.6
PCB-77	4.93e+07	0.85 y	36:41	1.17	98.2		2.50	-	-	*	
13C-PCB-77	4.29e+07	0.80 y	36:39	1.89	93.9		2.50				93.9
PCB-155	2.87e+07	1.29 y	34:12	1.16	104		2.50	-	-	*	
13C-PCB-155	2.36e+07	1.30 y	34:11	1.02	96.0		2.50				96.0
13C-PCB-111	3.09e+07	1.63 y	36:15	1.31	97.5		2.50				97.5
13C-PCB-101	2.41e+07	1.64 y	34:36	-	131		2.50				
PCB-123	3.93e+07	1.62 y	38:19	1.21	92.8		2.50	-	-	*	
13C-PCB-123	3.50e+07	1.59 y	38:18	1.42	90.4		2.50				90.4
PCB-118	9.35e+07	1.62 y	38:29	1.21	209		2.50	-	-	*	
13C-PCB-118	3.72e+07	1.59 y	38:28	1.54	88.9		2.50				88.9
PCB-114	4.67e+07	1.63 y	39:05	1.30	105		2.50	-	-	*	
13C-PCB-114	3.42e+07	1.64 y	39:05	1.46	86.2		2.50				86.2
PCB-105	4.64e+07	1.64 y	39:55	1.31	103		2.50	-	-	*	
13C-PCB-105	3.45e+07	1.61 y	39:53	1.45	87.3		2.50				87.3
PCB-126	4.21e+07	1.63 y	42:02	1.28	101		2.50	-	-	*	
13C-PCB-126	3.24e+07	1.59 y	42:02	1.31	90.9		2.50				90.9
PCB-167	3.78e+07	1.26 y	43:24	1.24	101		2.50	-	-	*	
13C-PCB-167	3.02e+07	1.29 y	43:22	1.14	97.1		2.50				97.1
PCB-156	3.88e+07	1.25 y	44:38	1.30	101		2.50	-	-	*	
13C-PCB-156	2.97e+07	1.29 y	44:36	1.10	98.8		2.50				98.8
PCB-157	3.99e+07	1.28 y	44:53	1.27	102		2.50	-	-	*	
13C-PCB-157	3.09e+07	1.30 y	44:51	1.16	98.4		2.50				98.4
PCB-169	3.46e+07	1.25 y	46:45	1.21	99.4		2.50	-	-	*	
13C-PCB-169	2.89e+07	1.29 y	46:43	1.07	99.3		2.50				99.3
PCB-188	2.97e+07	1.08 y	39:42	1.19	102		2.50	-	-	*	
13C-PCB-188	2.44e+07	1.08 y	39:40	0.92	96.9		2.50				96.9
PCB-189	2.57e+07	1.06 y	48:25	1.15	102		2.50	-	-	*	
13C-PCB-189	2.18e+07	1.08 y	48:25	0.80	100		2.50				100
PCB-202	2.69e+07	0.93 y	44:48	1.11	151		2.50	-	-	*	
13C-PCB-202	1.60e+07	0.88 y	44:46	0.64	91.5		2.50				91.5
13C-PCB-178	1.83e+07	1.07 y	42:18	0.67	100		2.50				100
13C-PCB-138	2.72e+07	1.31 y	41:32	-	130		2.50				

FAL ID: ST110720Z2 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: DAILY209FAL4-11-7-20 2 of 2
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	5.93e+07	0.92 y	50:05	1.18	147	2.50	-	-	*	
13C-PCB-205	3.41e+07	0.90 y	50:05	1.24	102	2.50				102
PCB-208	5.24e+07	1.34 y	49:09	1.11	148	2.50	-	-	*	
13C-PCB-208	3.20e+07	0.81 y	49:08	1.12	107	2.50				107
PCB-206	3.78e+07	1.32 y	51:16	1.13	147	2.50	-	-	*	
13C-PCB-206	2.28e+07	0.80 y	51:16	0.84	101	2.50				101
PCB-209	4.22e+07	1.21 y	52:28	1.24	150	2.50	-	-	*	
13C-PCB-209	2.26e+07	1.23 y	52:27	0.81	104	2.50				104
13C-PCB-194	2.68e+07	0.89 y	49:49	-	122	2.50				

Analyst: _____ Date: 11/9/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:07NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

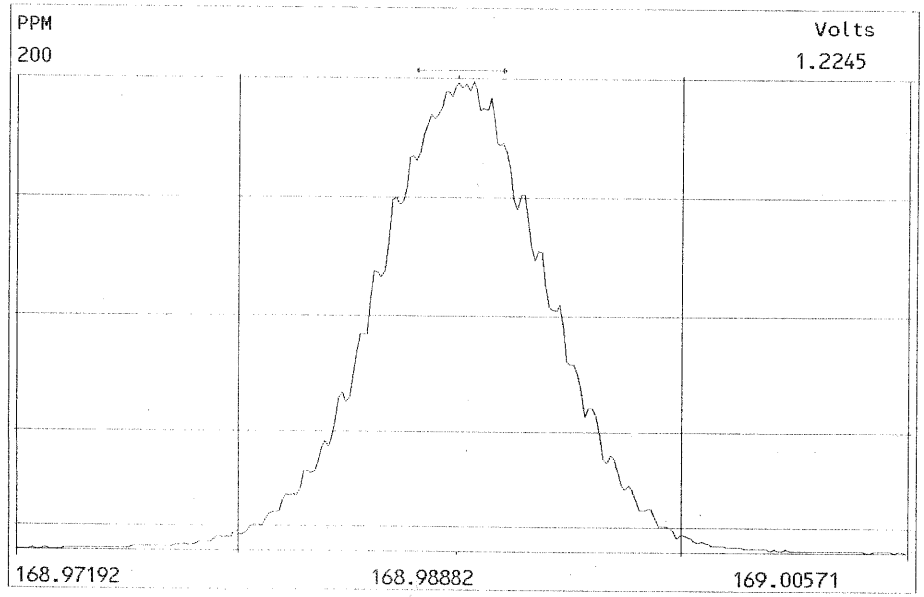
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
07NOV20Z	1	ST110720Z1	CS209 200406A	7-NOV-20 07:31:32	ST110720Z1	ST110720Z2	BS
07NOV20Z	2	05498-001-0001-OPR	OPR	7-NOV-20 08:29:52	ST110720Z1	ST110720Z2	BS
07NOV20Z	3	05498-001-0001-MB	Method Blank	7-NOV-20 09:28:13	ST110720Z1	ST110720Z2	BS
07NOV20Z	4	13378-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-CLAM	7-NOV-20 10:26:34	ST110720Z1	ST110720Z2	BS
07NOV20Z	5	13378-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-CLAM	7-NOV-20 11:24:55	ST110720Z1	ST110720Z2	BS
07NOV20Z	6	13378-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-CLAM	7-NOV-20 12:23:16	ST110720Z1	ST110720Z2	BS
07NOV20Z	7	13379-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CLAM	7-NOV-20 13:21:38	ST110720Z1	ST110720Z2	BS
07NOV20Z	8	13379-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CLAM	7-NOV-20 14:19:59	ST110720Z1	ST110720Z2	BS
07NOV20Z	9	13379-021-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CLAM	7-NOV-20 15:18:21	ST110720Z1	ST110720Z2	BS
07NOV20Z	10	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	7-NOV-20 16:16:42	ST110720Z1	ST110720Z2	BS
07NOV20Z	11	13380-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-WORM	7-NOV-20 17:15:03	ST110720Z1	ST110720Z2	BS
07NOV20Z	12	SB110720Z1	Solvent Blank	7-NOV-20 18:13:25	ST110720Z1	ST110720Z2	BS
07NOV20Z	13	13371-012-0001-SA	LDW-Y3-IN-S010-TB	7-NOV-20 19:11:46	ST110720Z1	ST110720Z2	BS
07NOV20Z	14	SB110720Z2	Solvent Blank	7-NOV-20 20:10:07	ST110720Z1	ST110720Z2	BS
07NOV20Z	15	ST110720Z2	CS209 200406A	7-NOV-20 21:08:28	ST110720Z1	ST110720Z2	BS

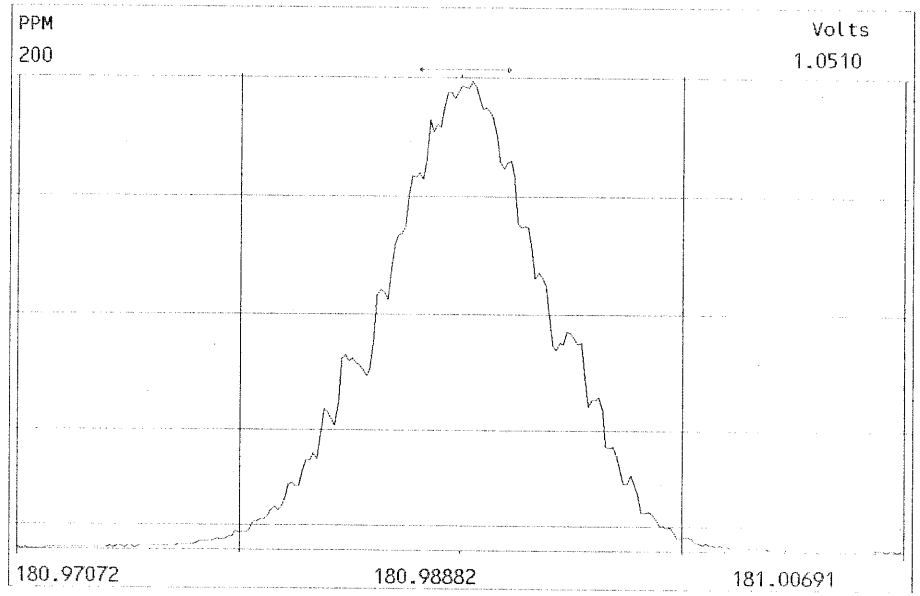
11/9/20

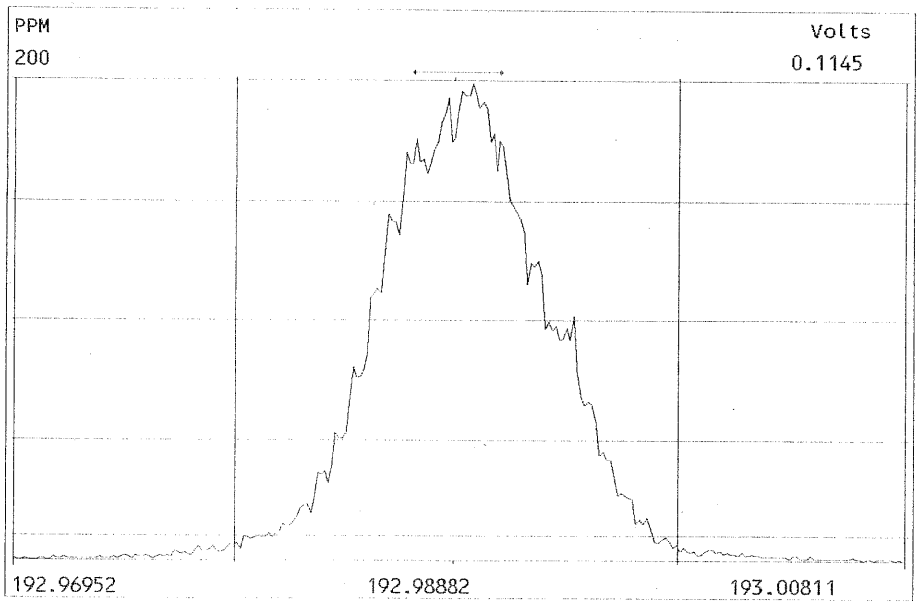
Data Backed Up:_____

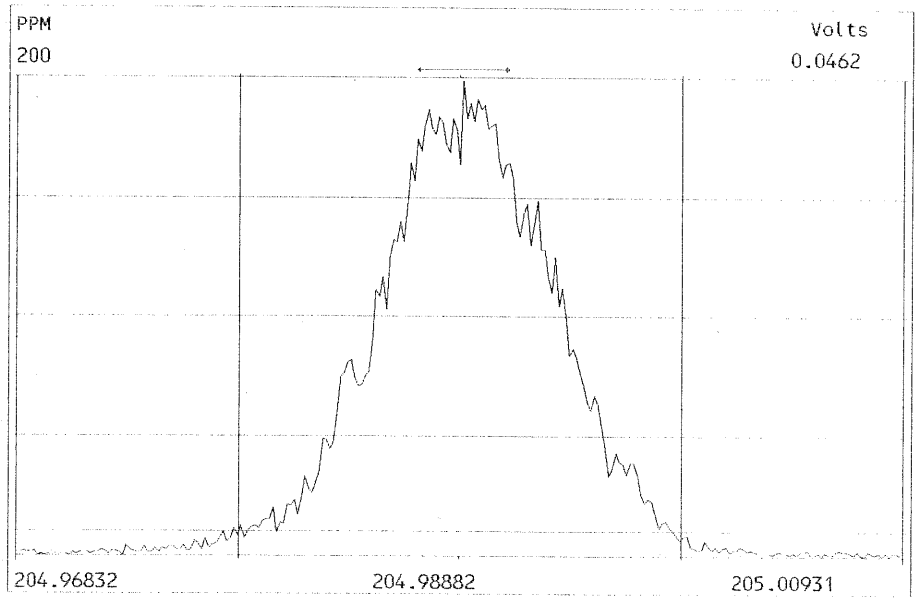
Date:_____

Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

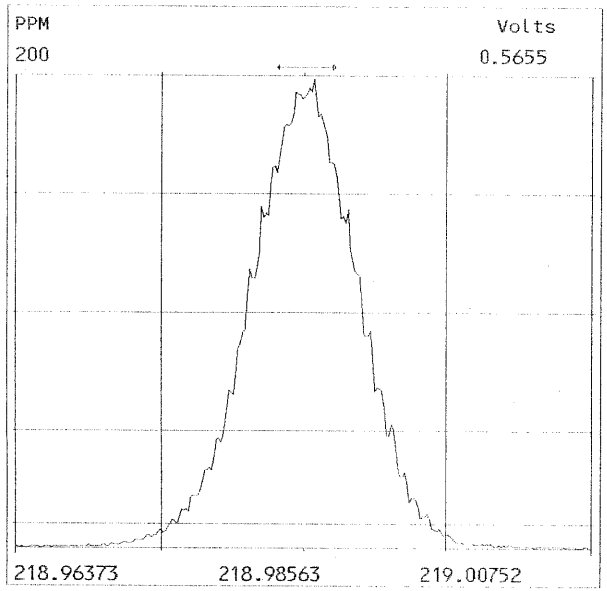


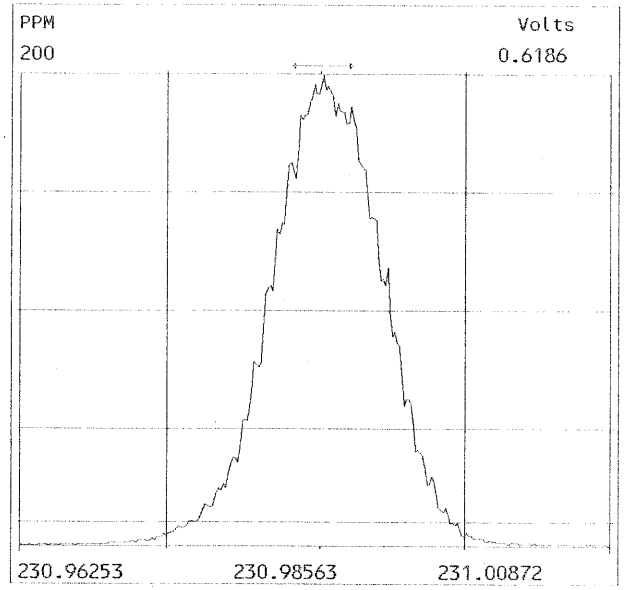


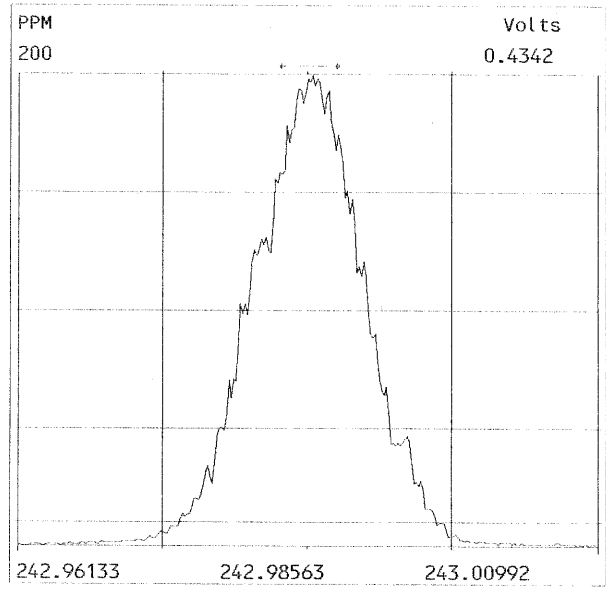


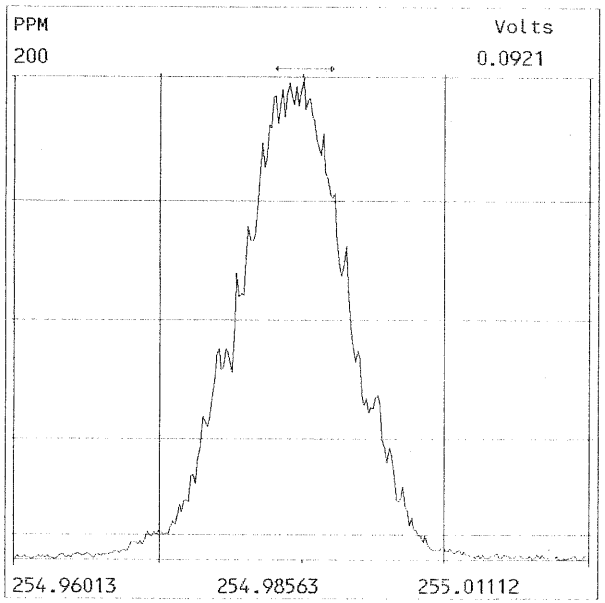


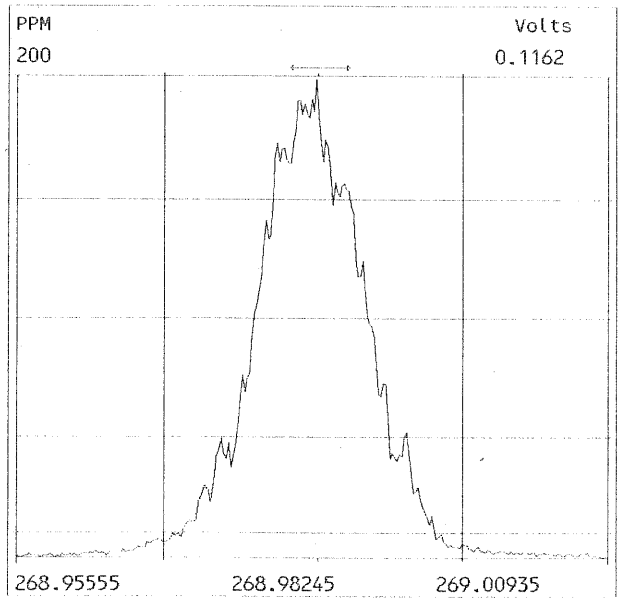
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

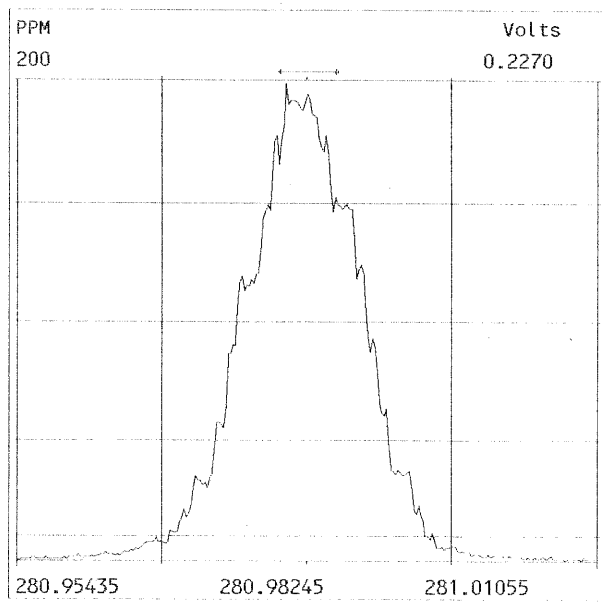




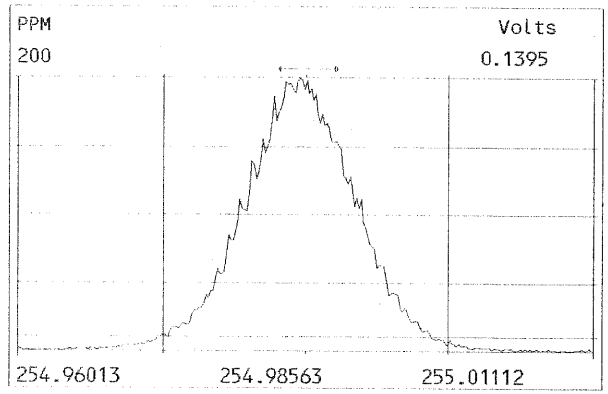


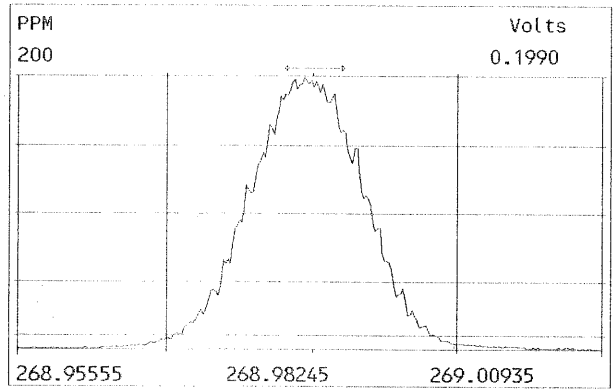


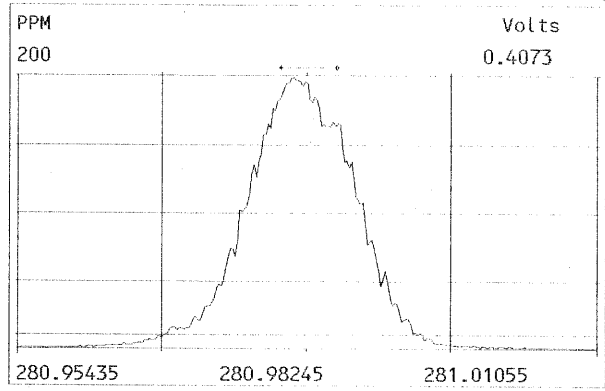


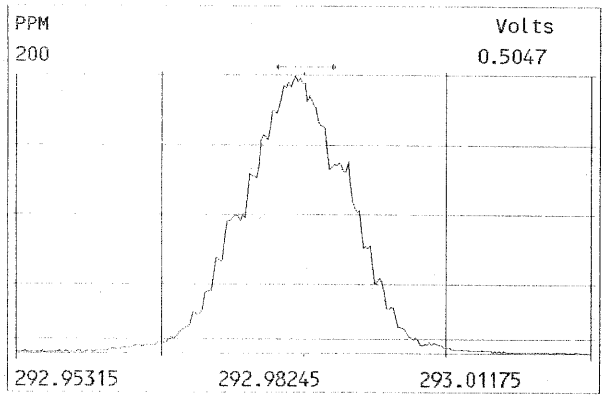


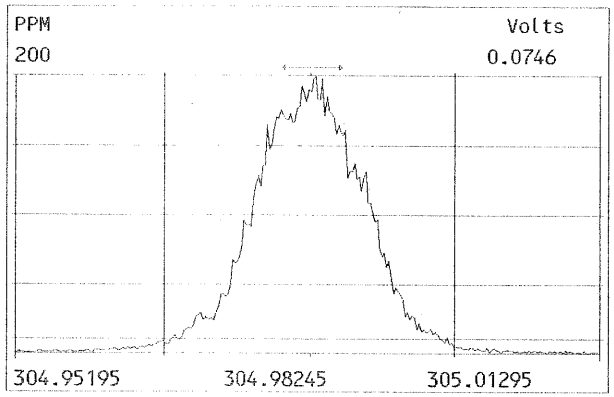
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

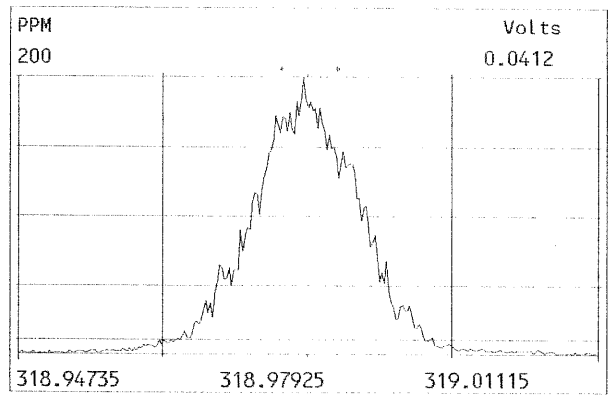


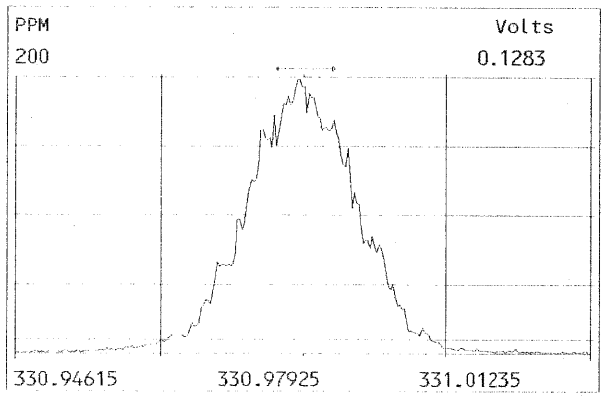


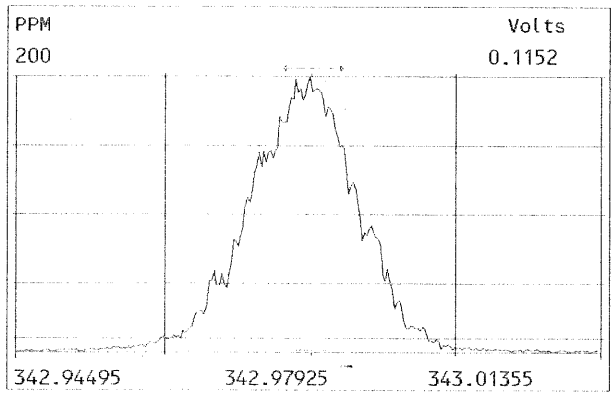






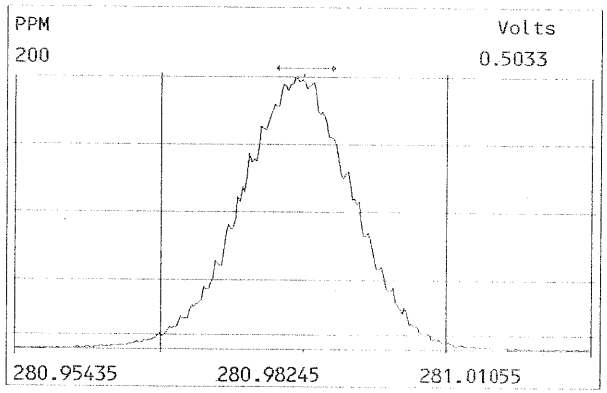


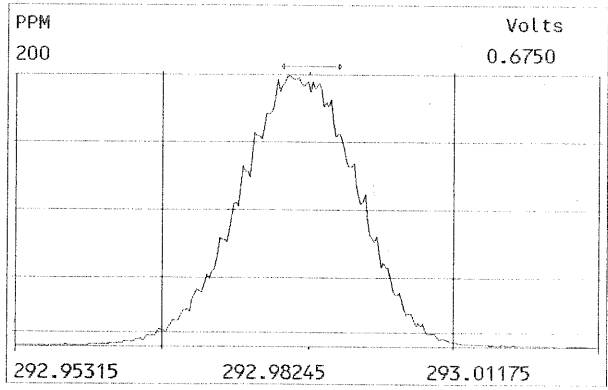


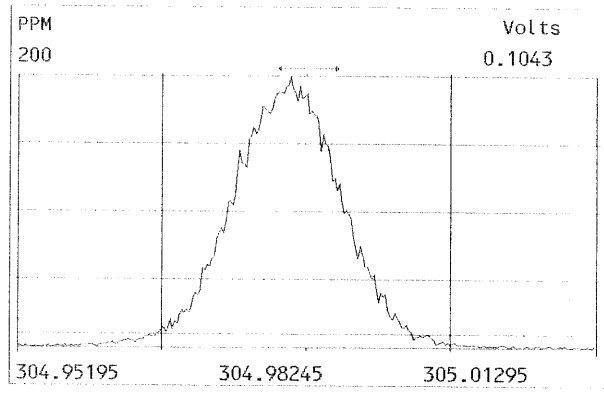


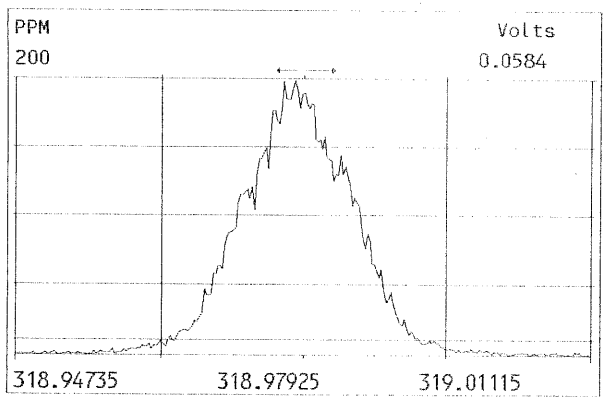
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z

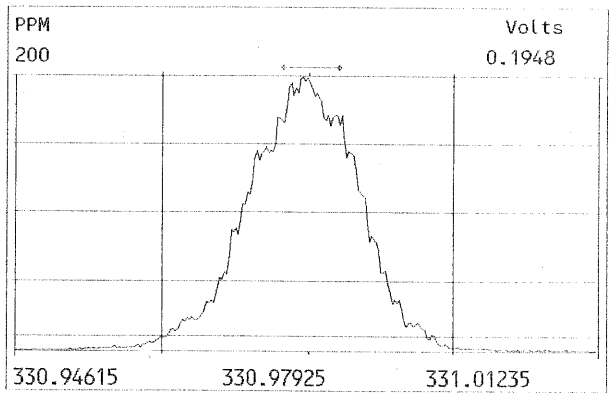
Experiment:1668PCB Function:4 Reference:PFK

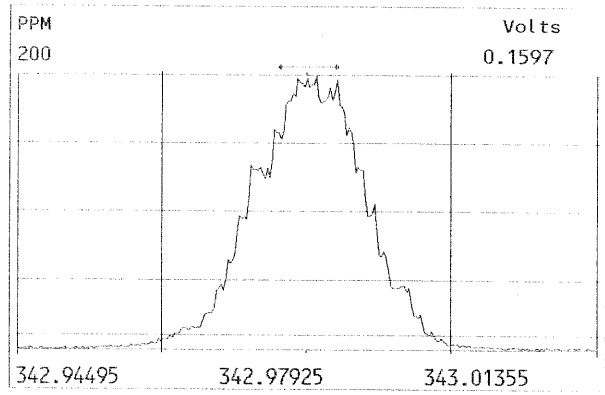


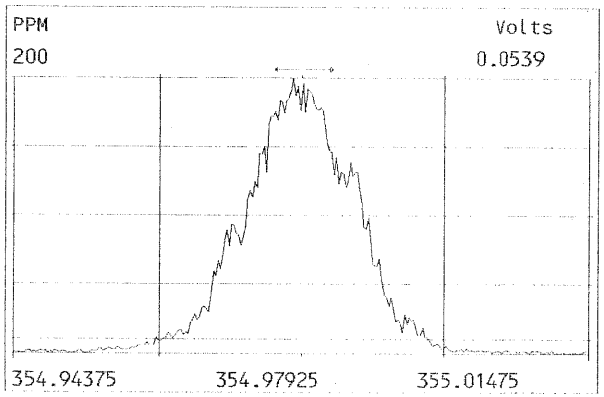


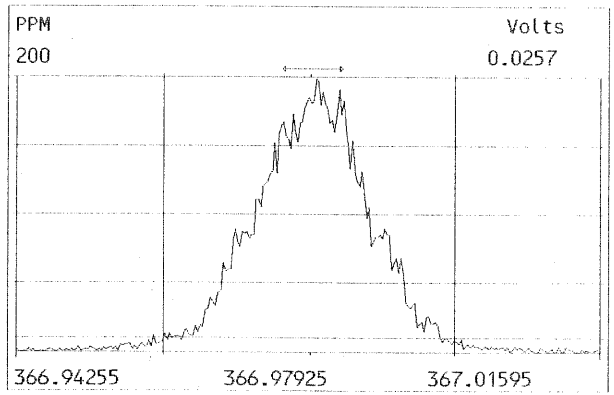


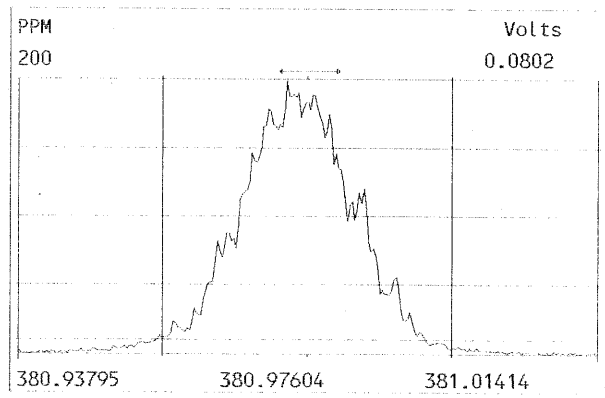




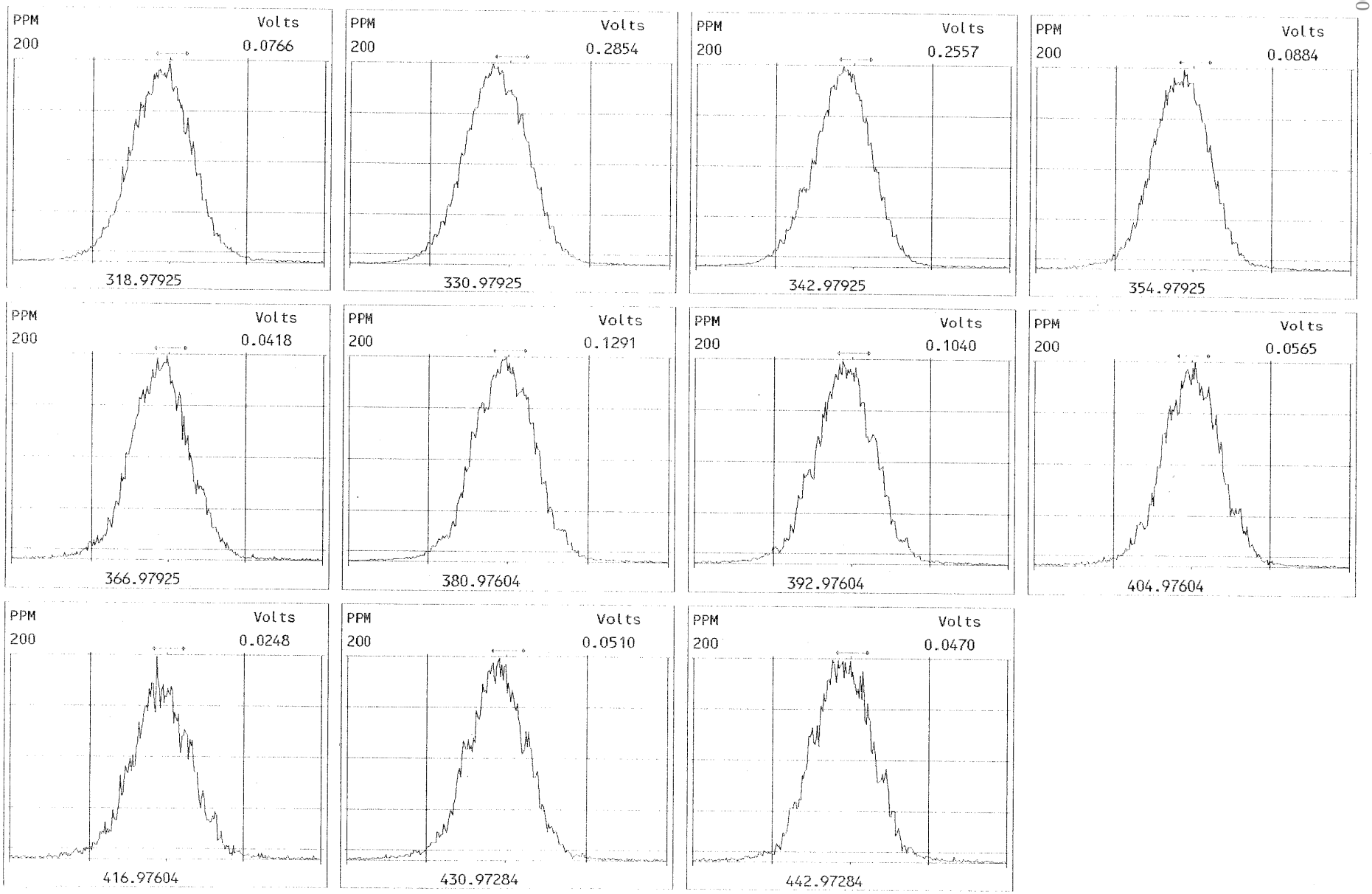






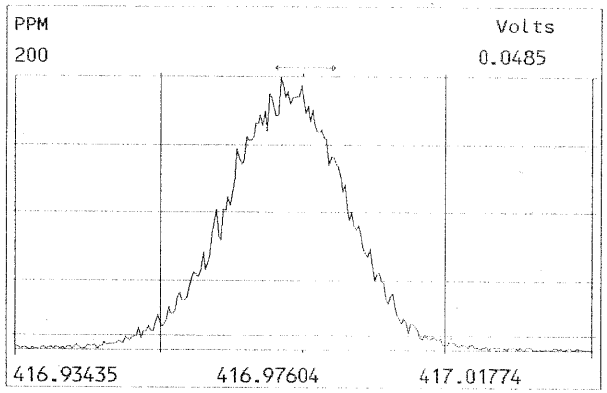


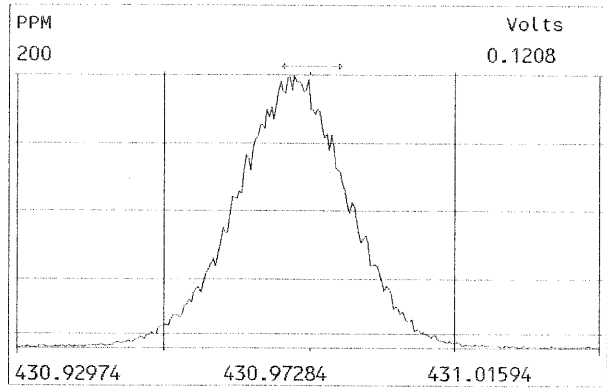
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

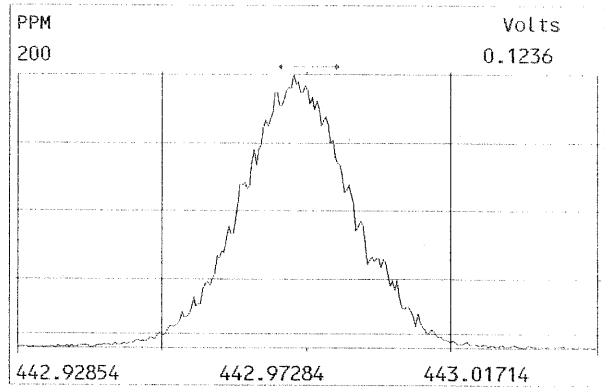


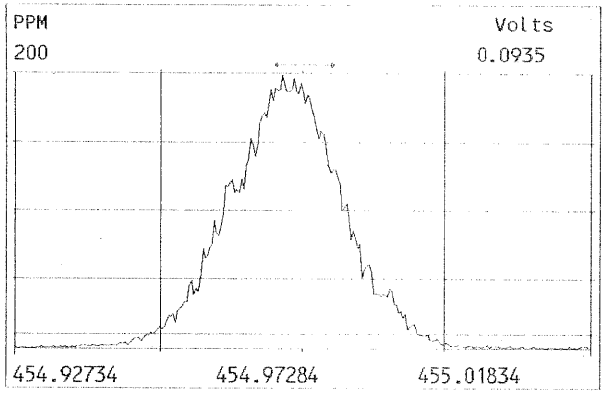
Peak Locate Examination: 7-NOV-2020:07:31 File:07NOV20Z

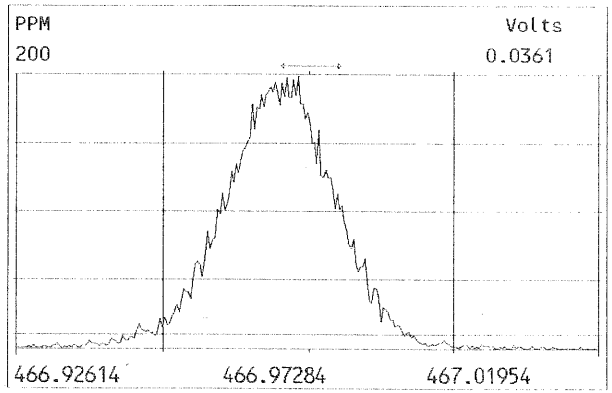
Experiment:1668PCB Function:6 Reference:PFK

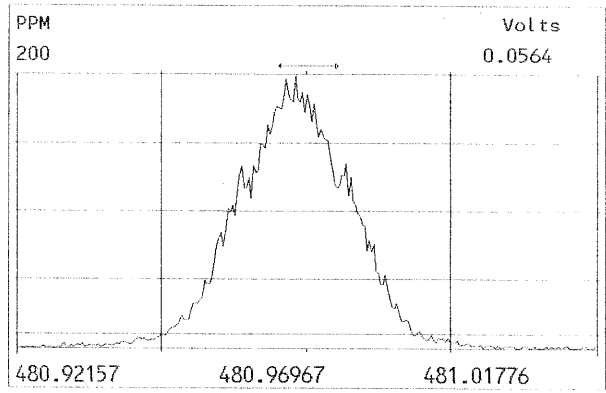


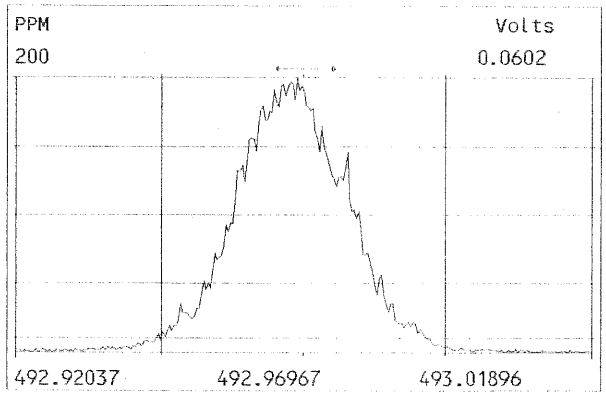


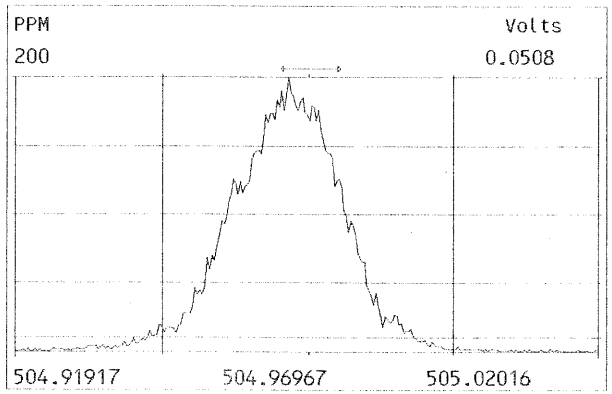


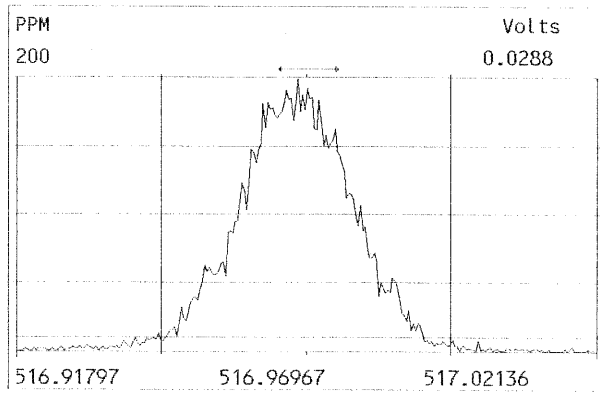




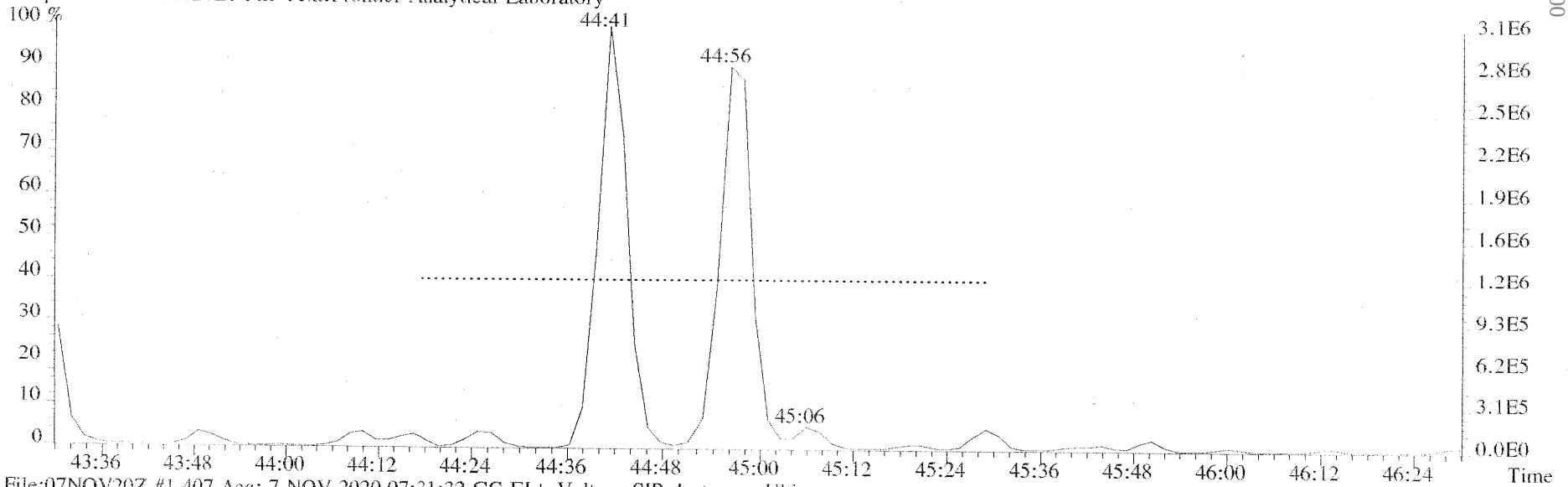








File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



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373.8788 F:5 Exp:1668PCB
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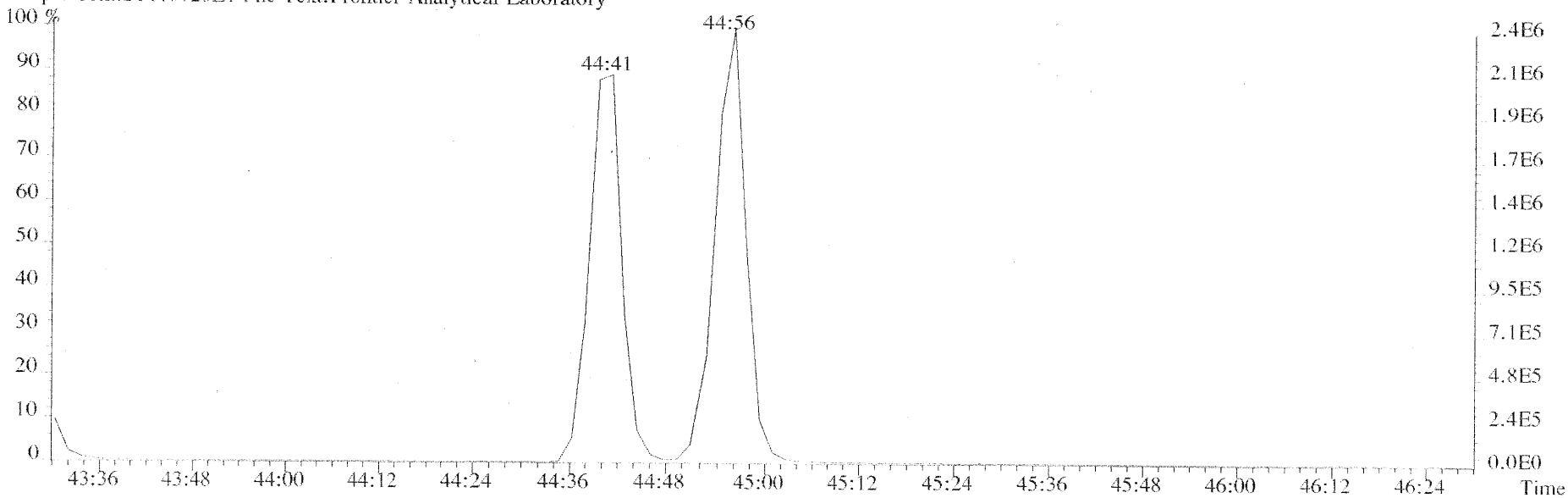
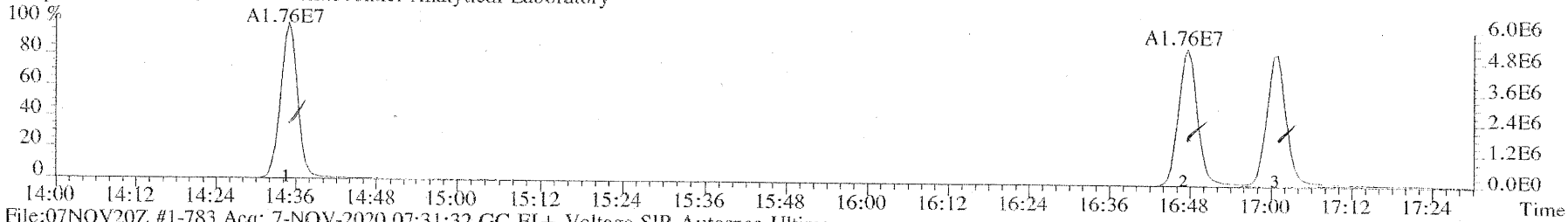
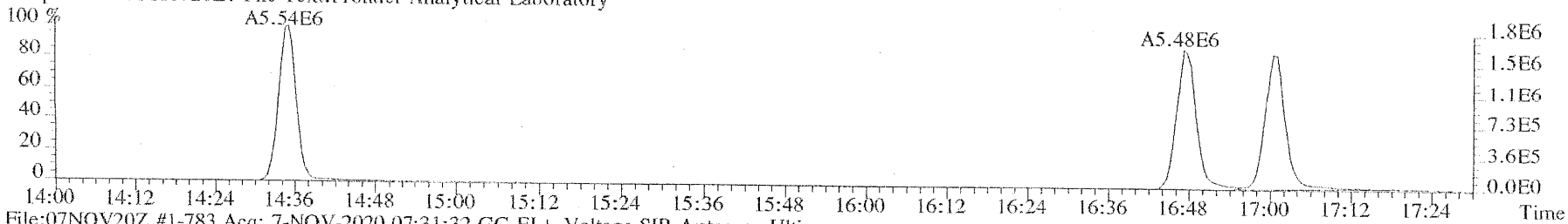


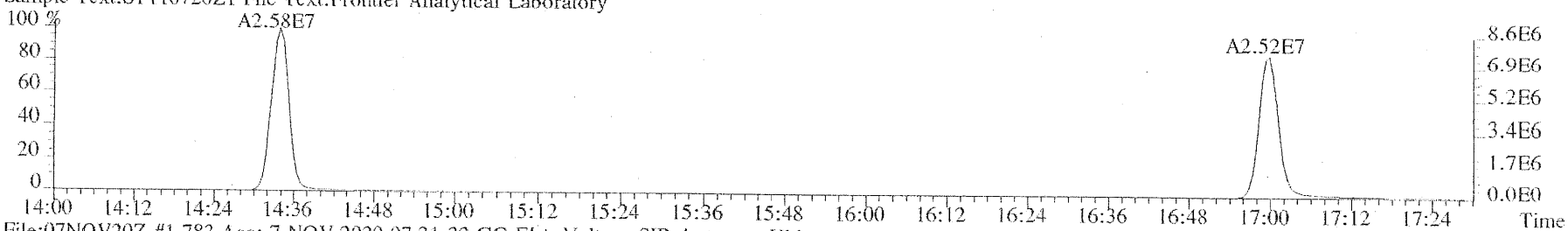
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



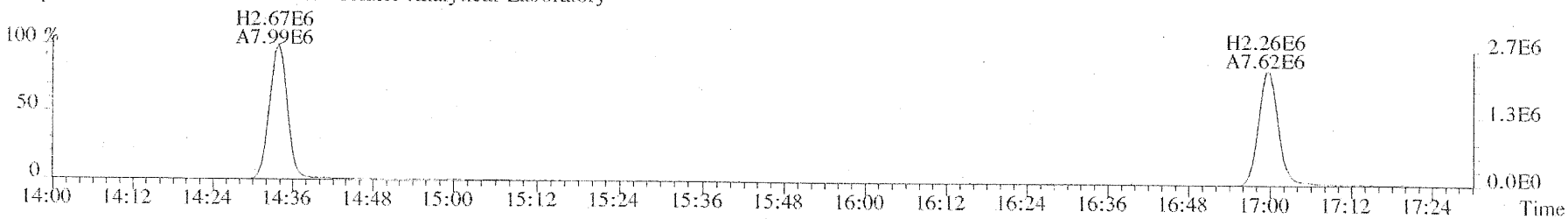
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



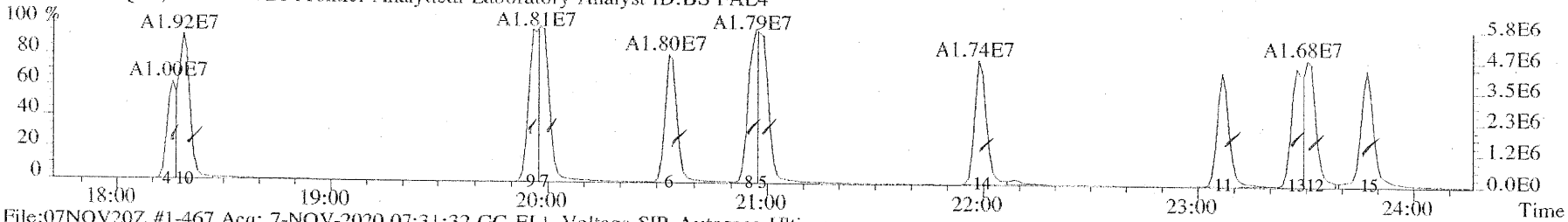
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



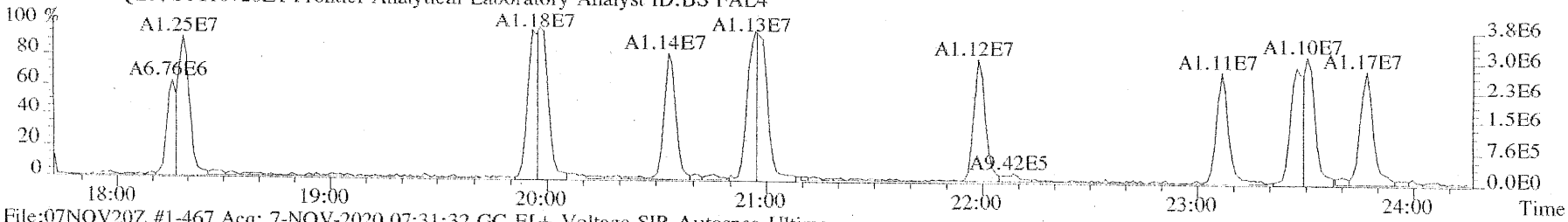
File:07NOV20Z #1-783 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



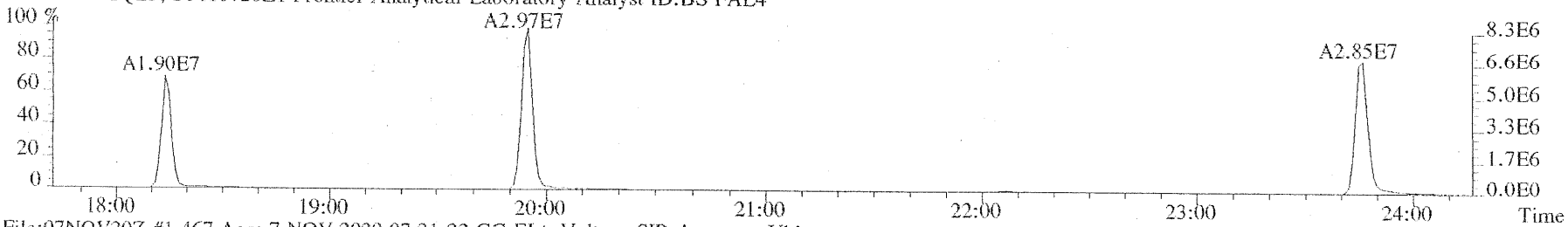
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



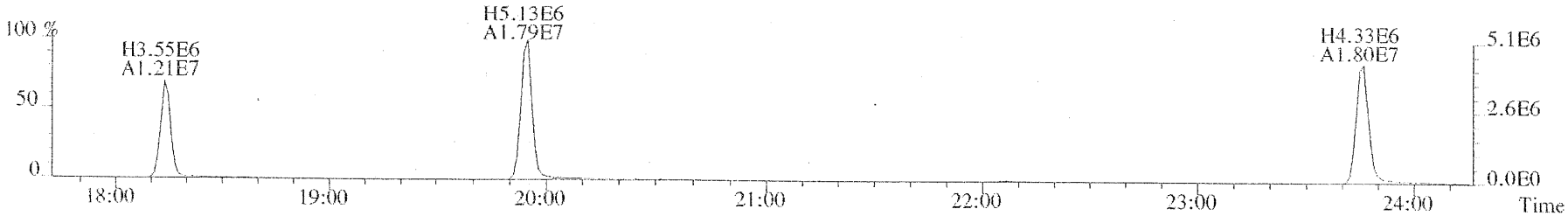
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



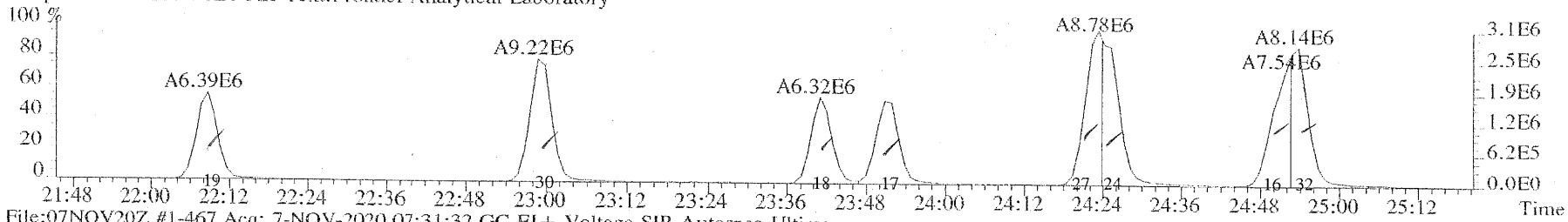
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



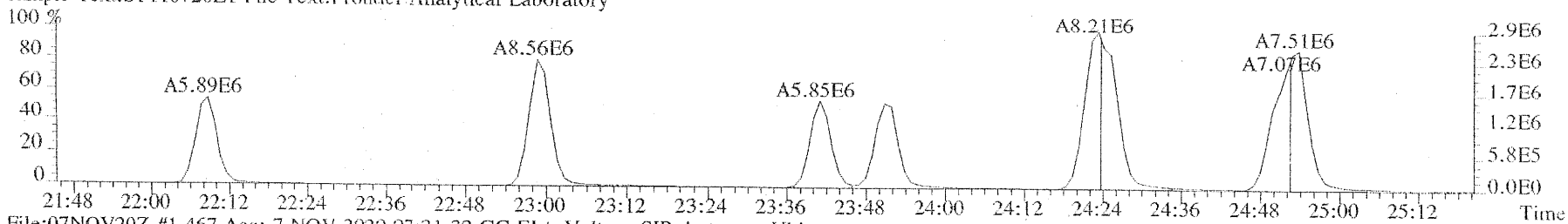
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
EPA ID:PBEQL3; ST110720Z1 Frontier Analytical Laboratory Analyst ID:BS FAL4



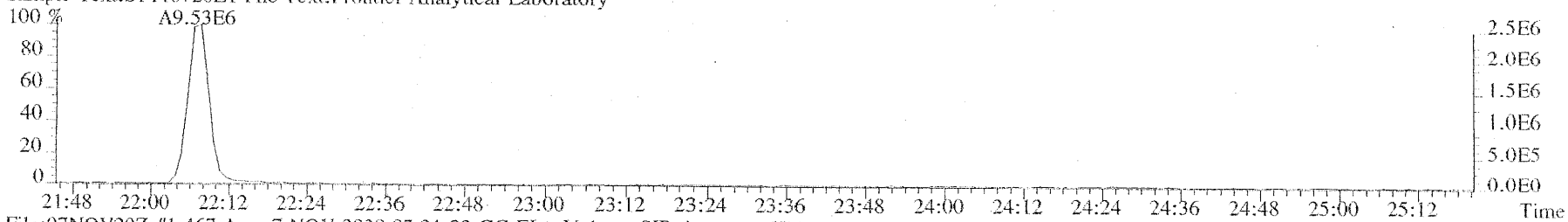
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



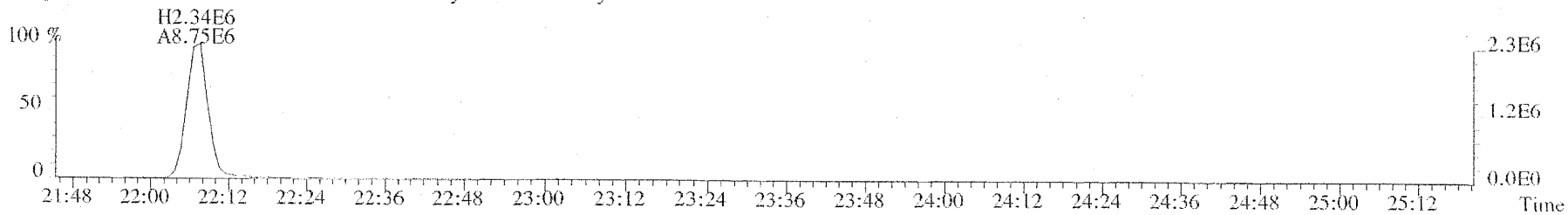
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



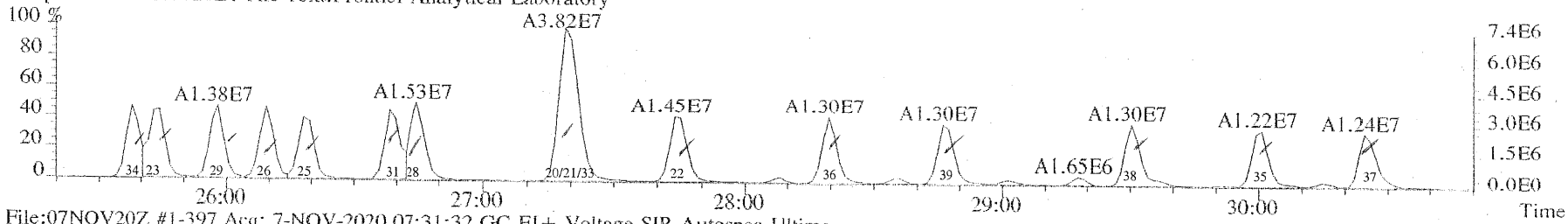
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



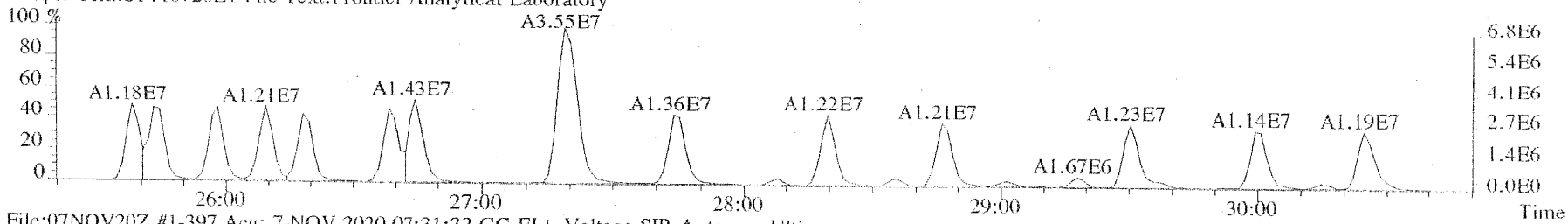
File:07NOV20Z #1-467 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



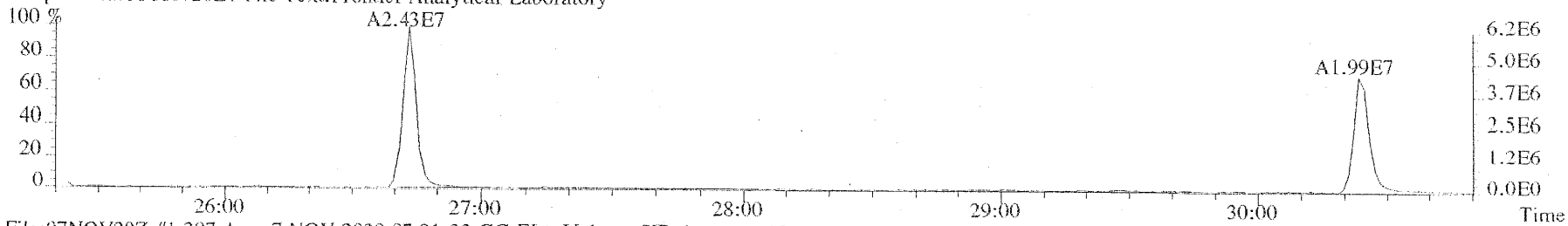
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



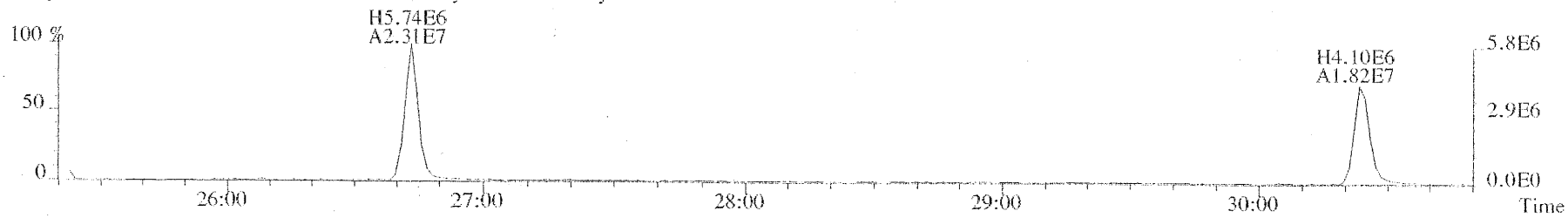
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



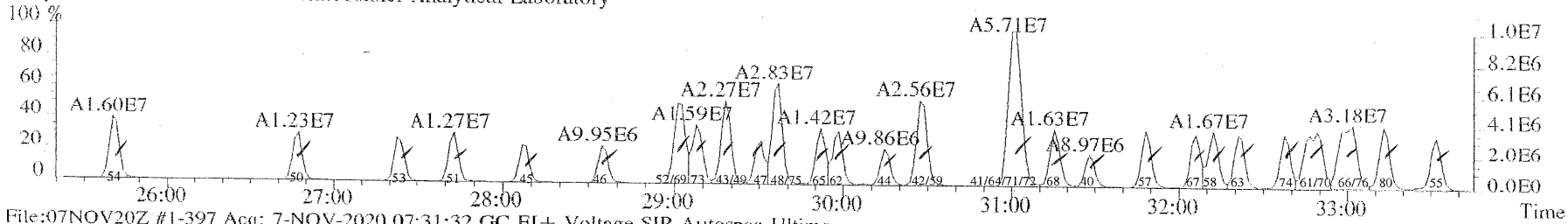
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



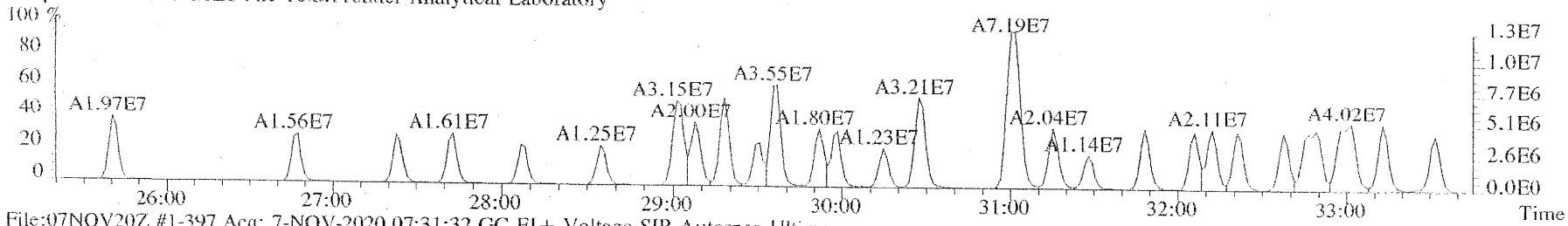
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



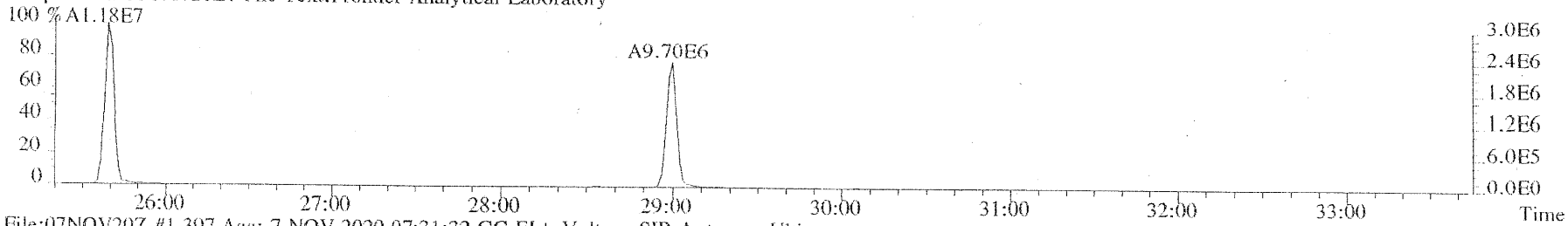
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



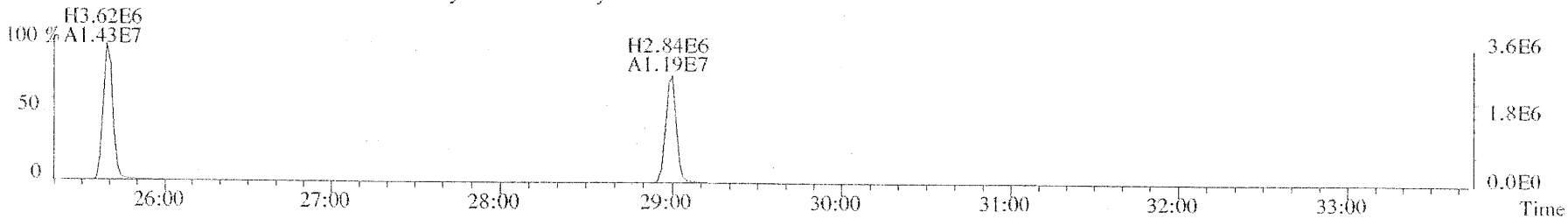
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



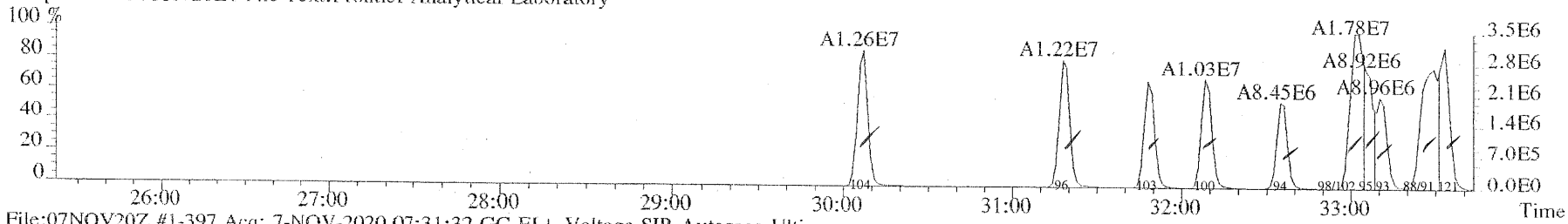
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



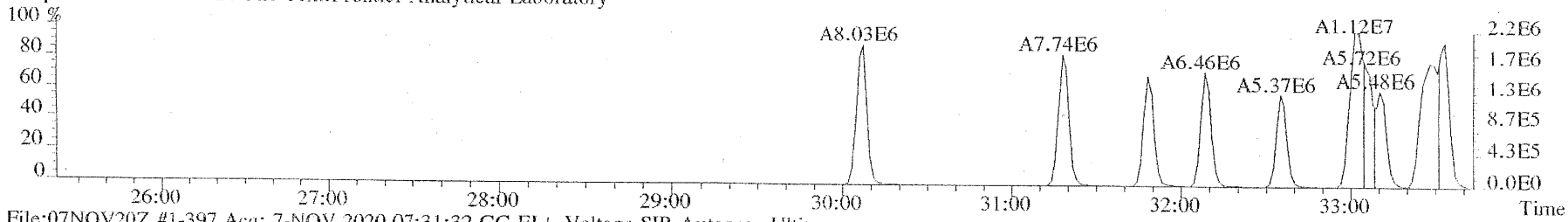
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



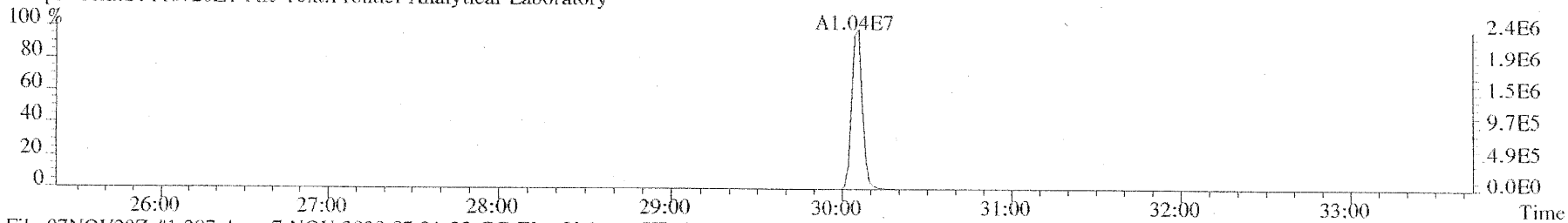
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



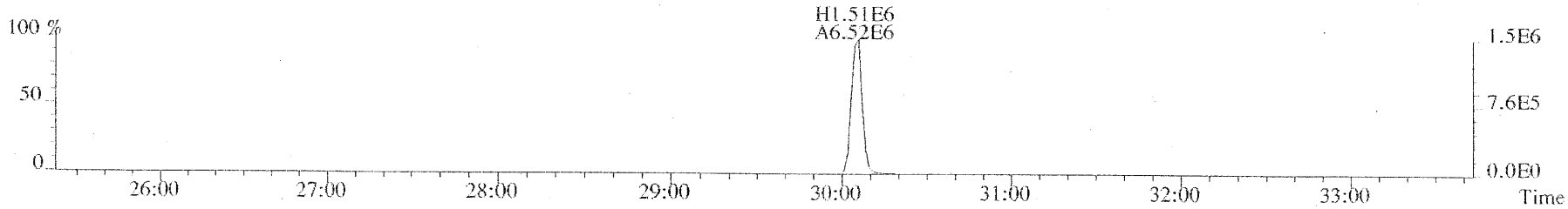
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



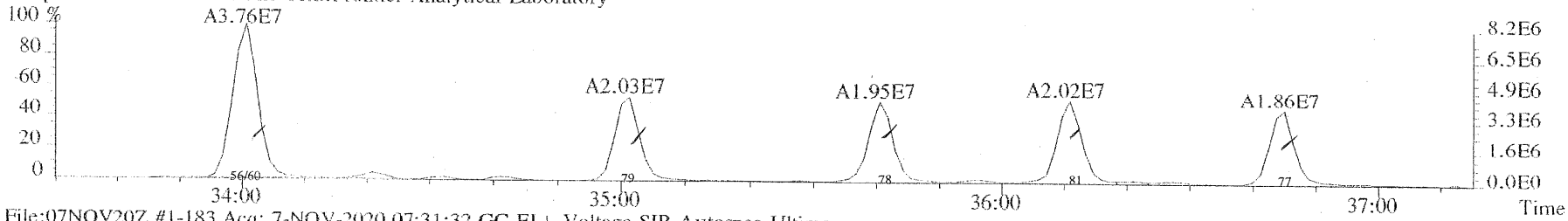
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



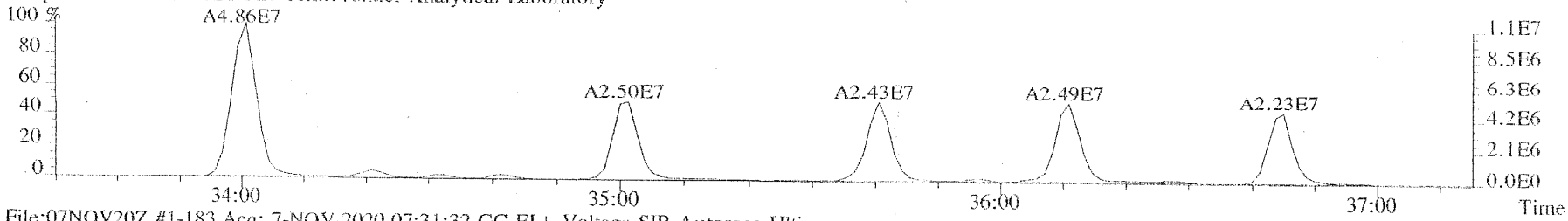
File:07NOV20Z #1-397 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



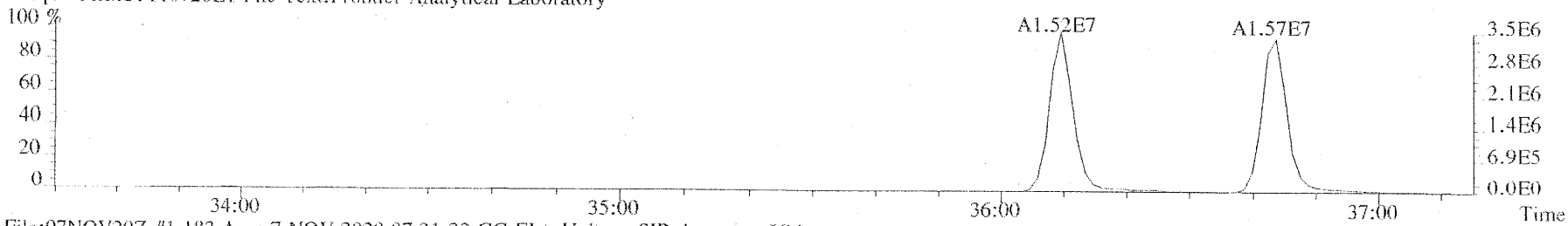
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



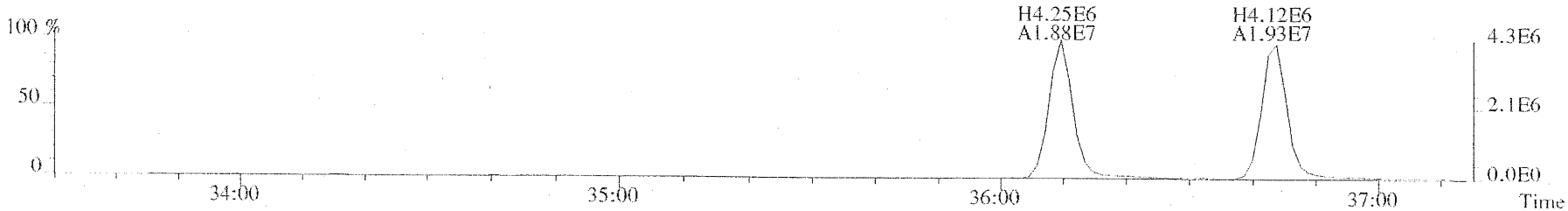
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



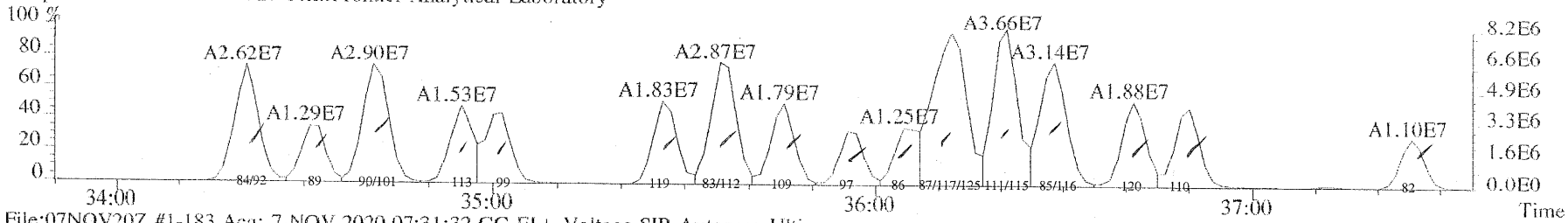
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



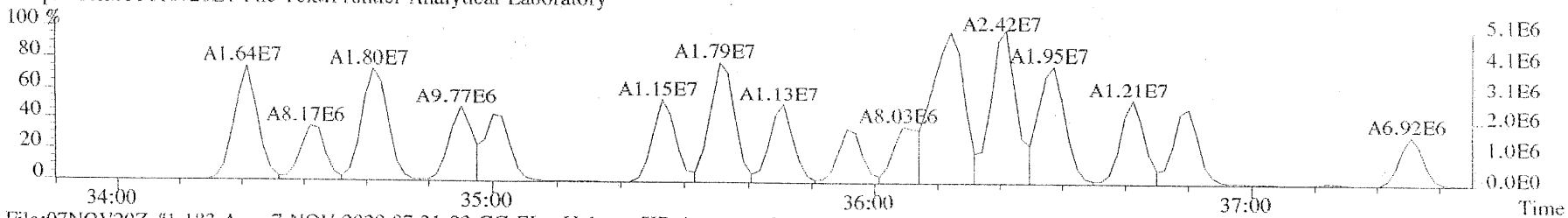
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



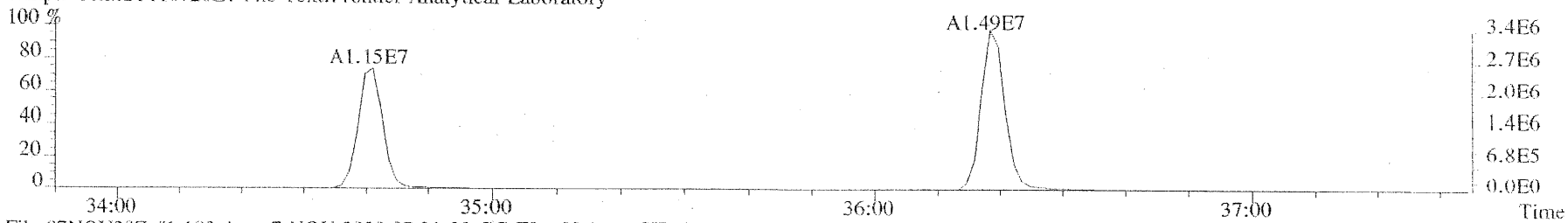
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



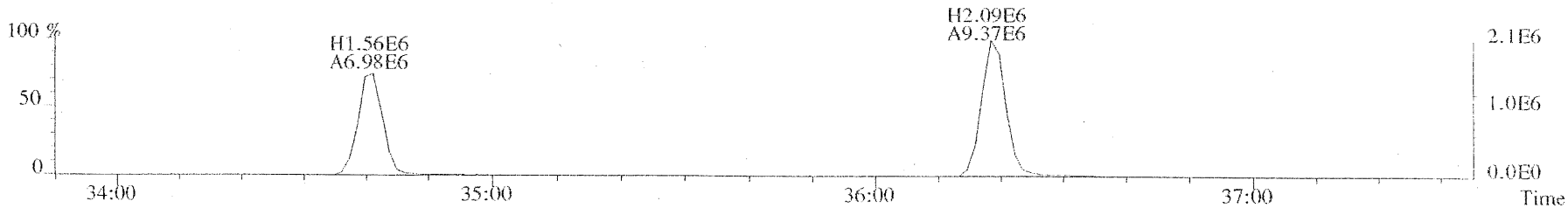
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



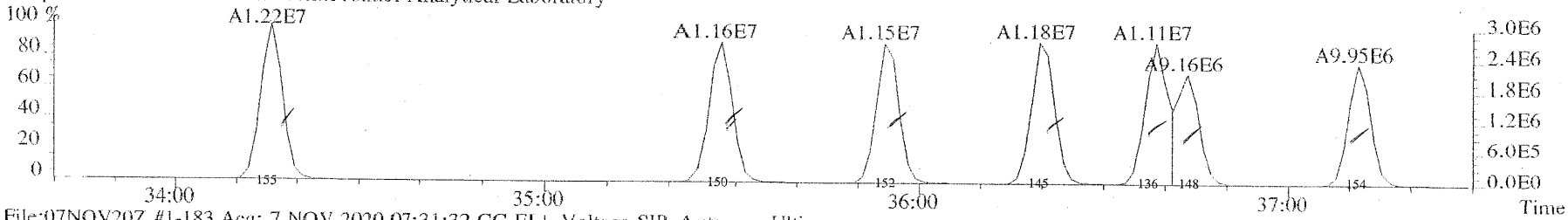
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



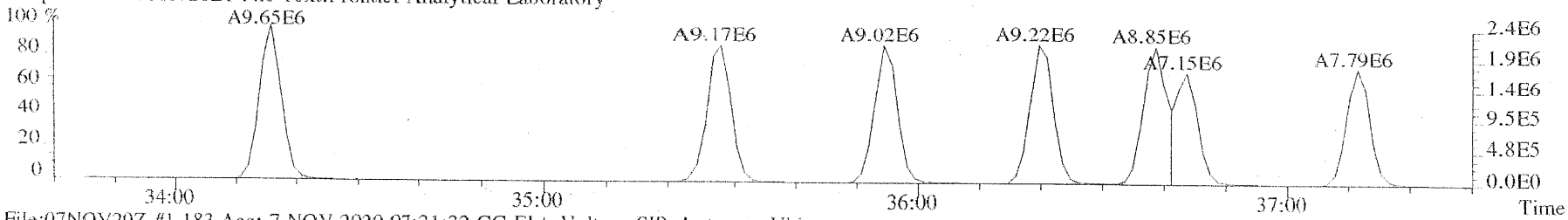
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



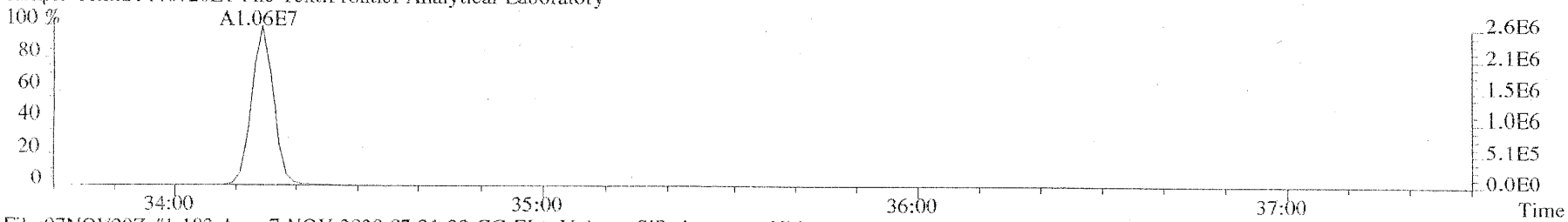
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



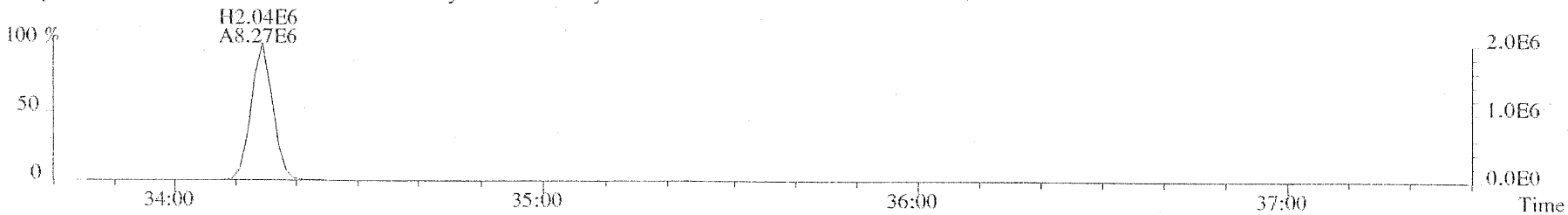
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



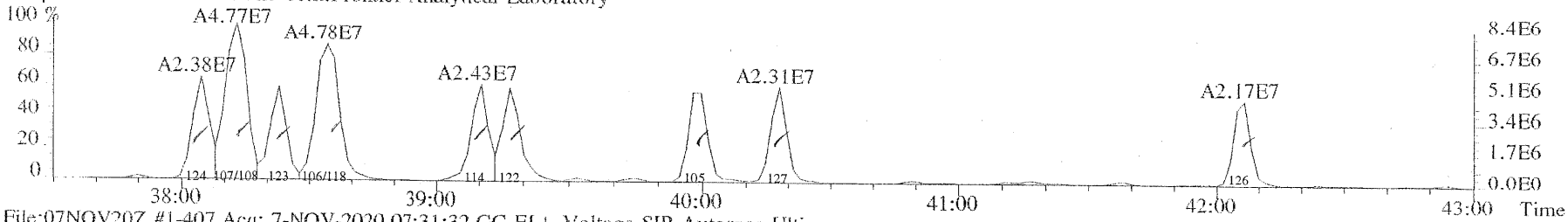
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



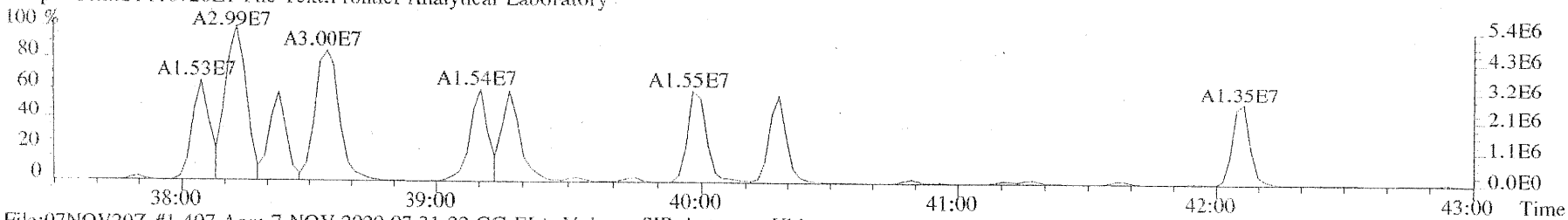
File:07NOV20Z #1-183 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



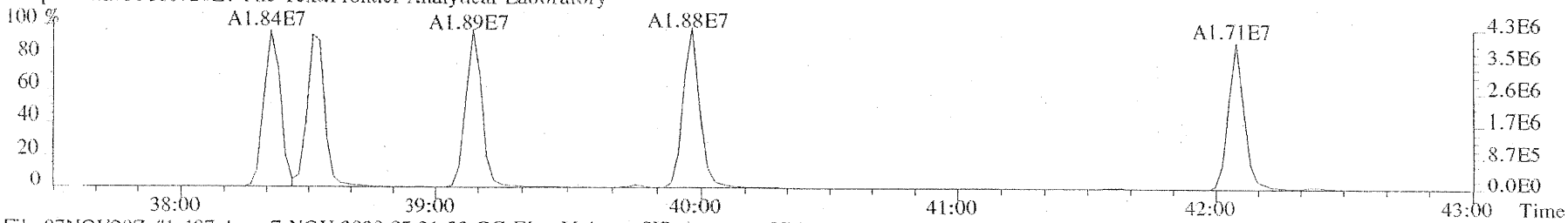
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



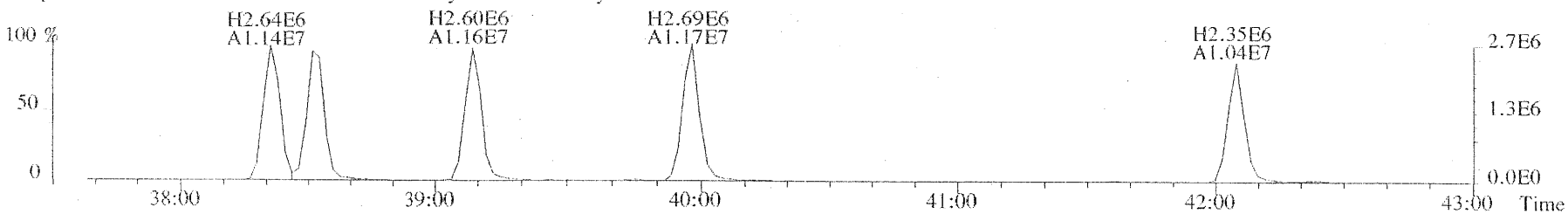
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



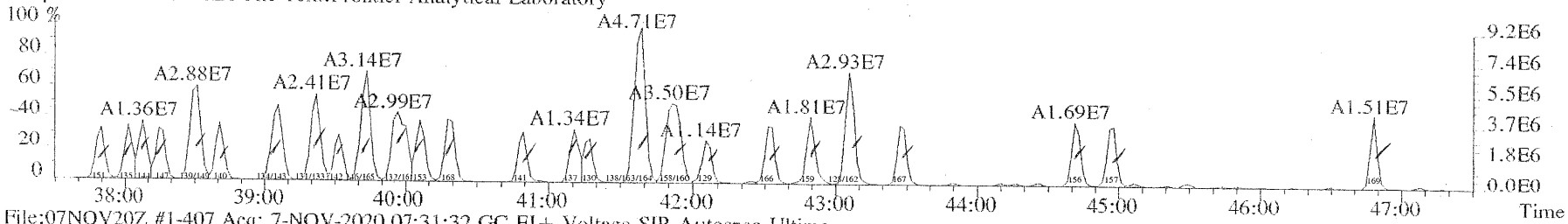
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



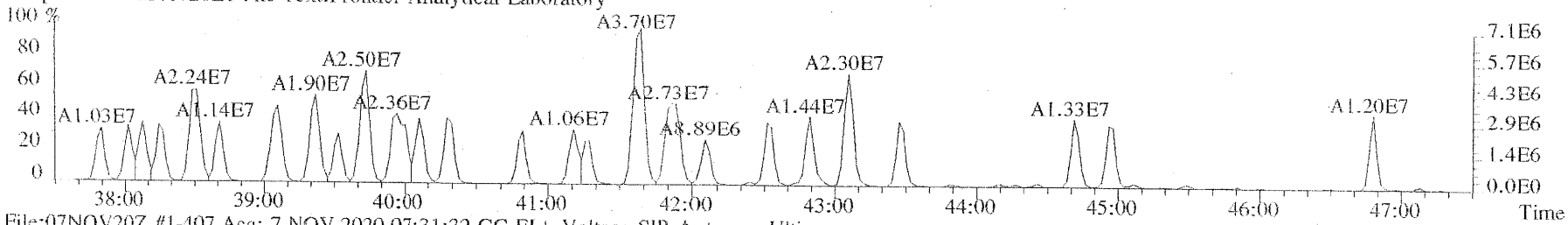
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



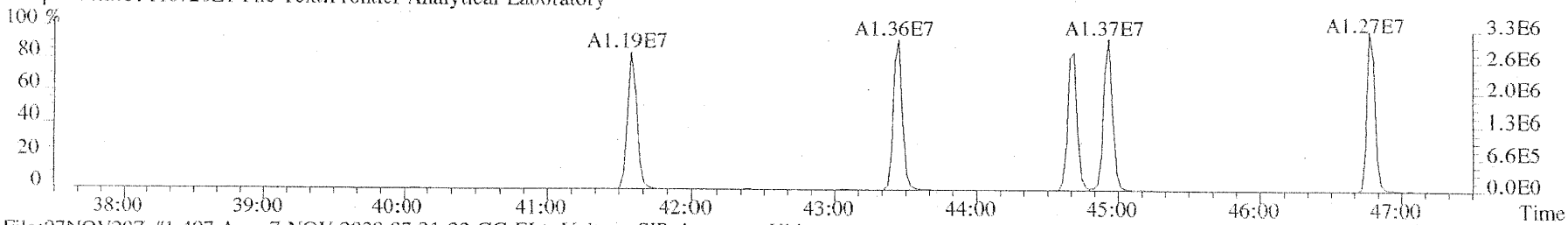
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



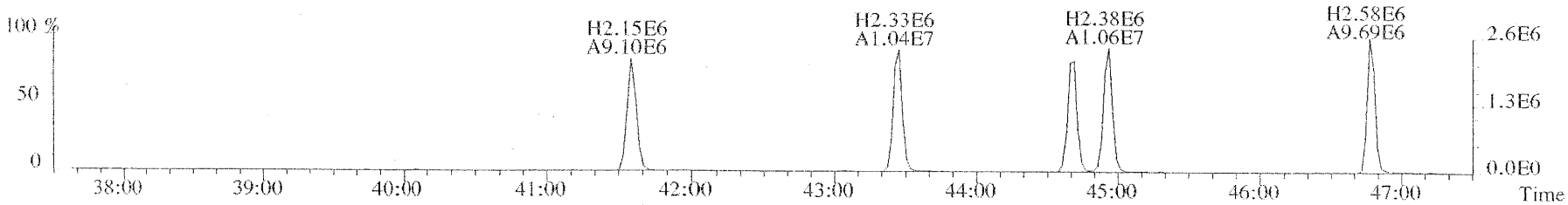
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



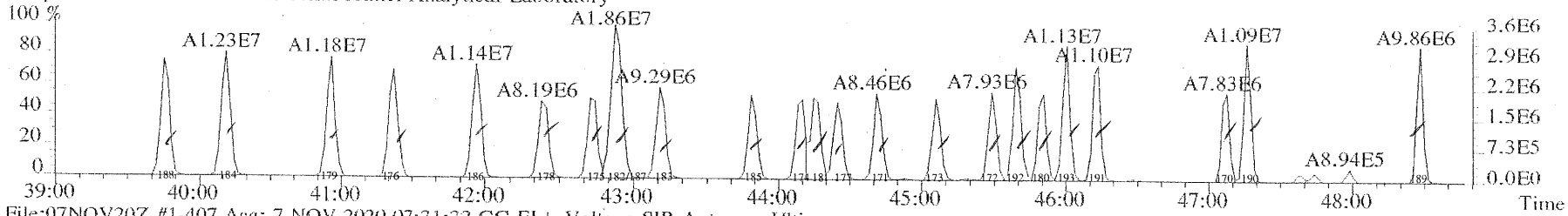
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



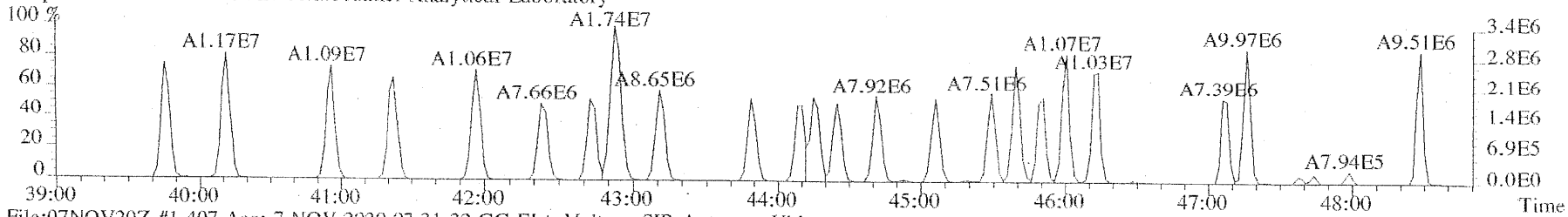
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



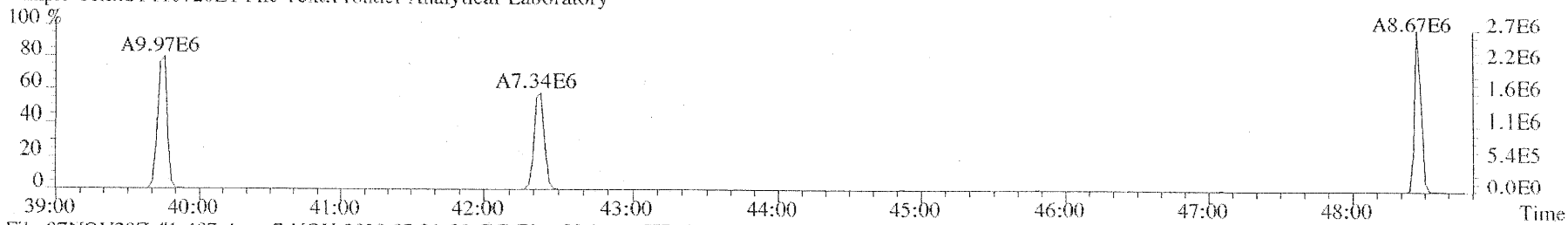
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



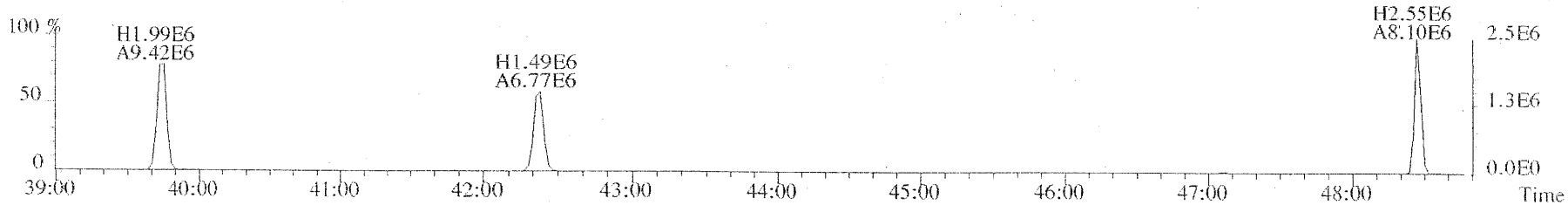
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



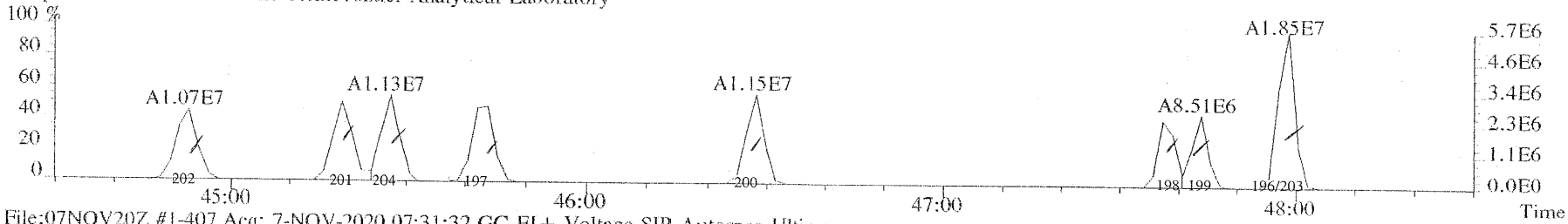
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



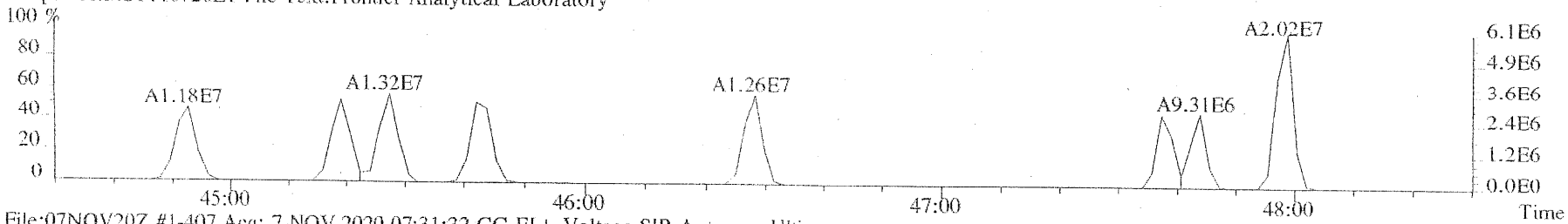
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



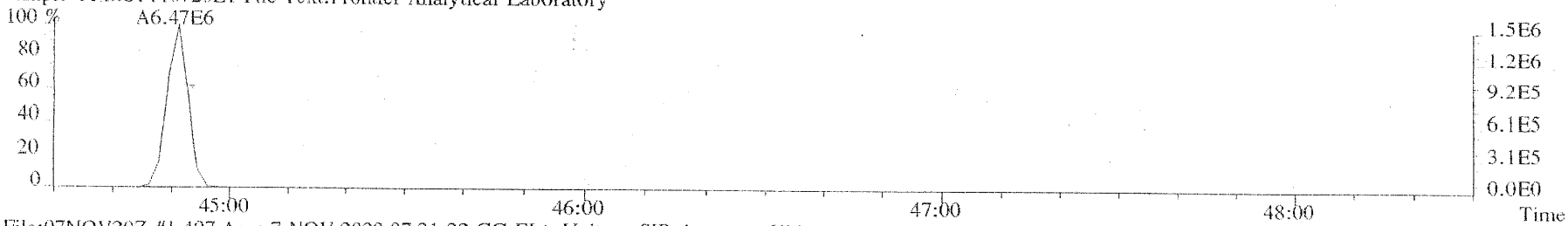
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



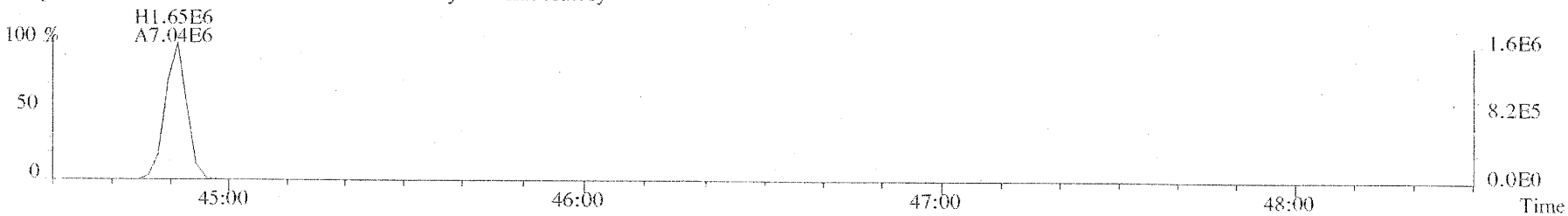
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



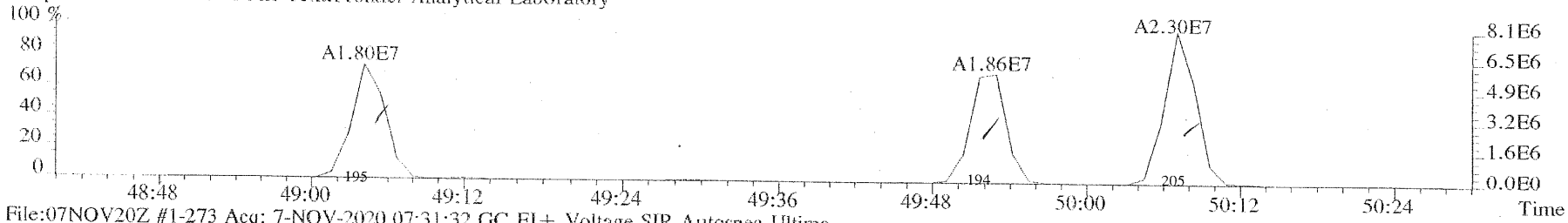
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



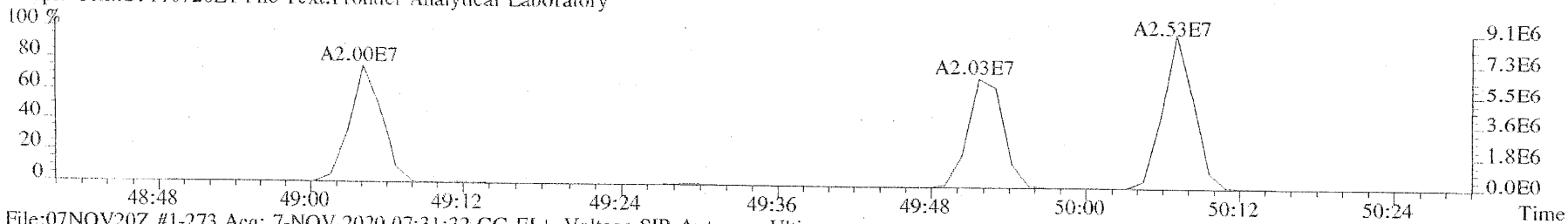
File:07NOV20Z #1-407 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



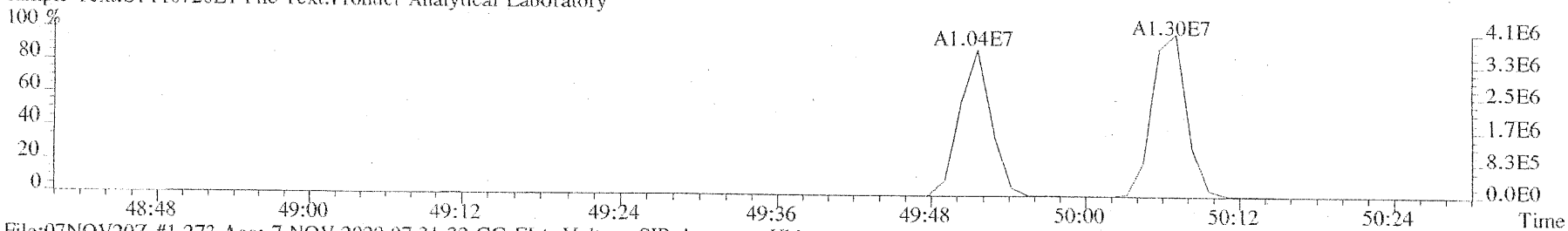
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



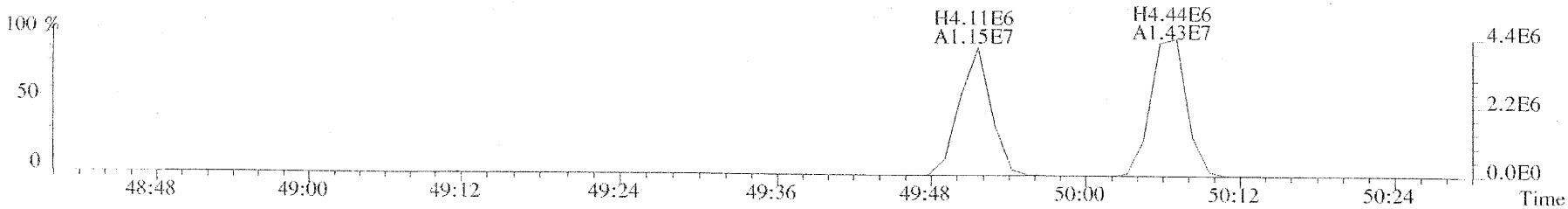
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



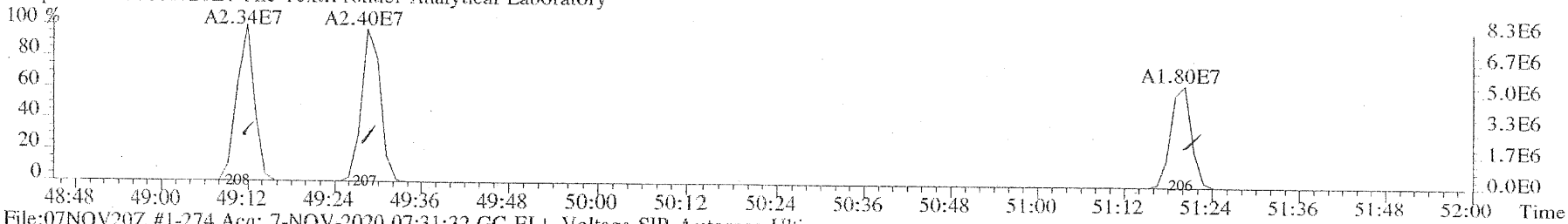
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



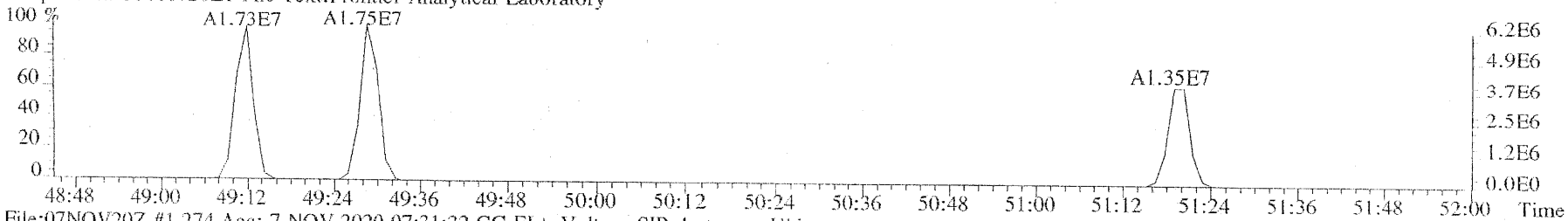
File:07NOV20Z #1-273 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



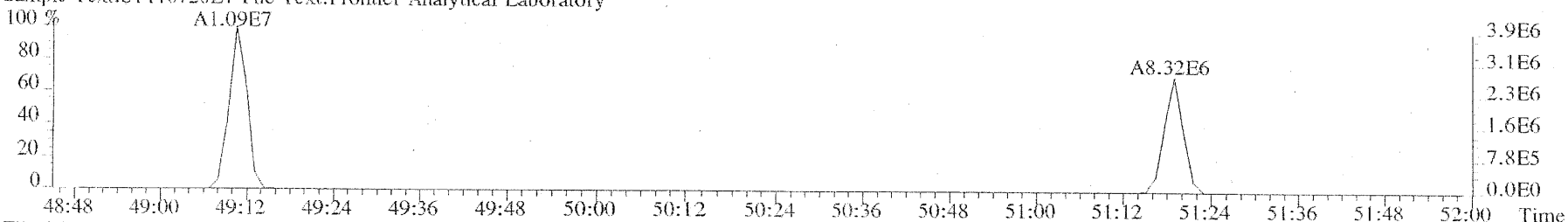
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



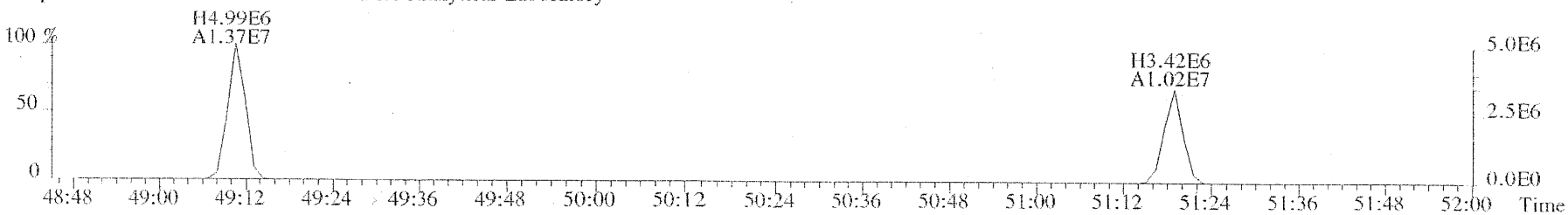
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



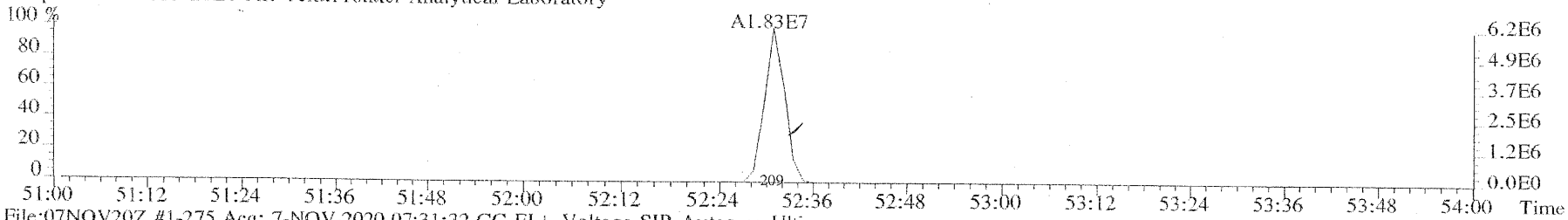
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



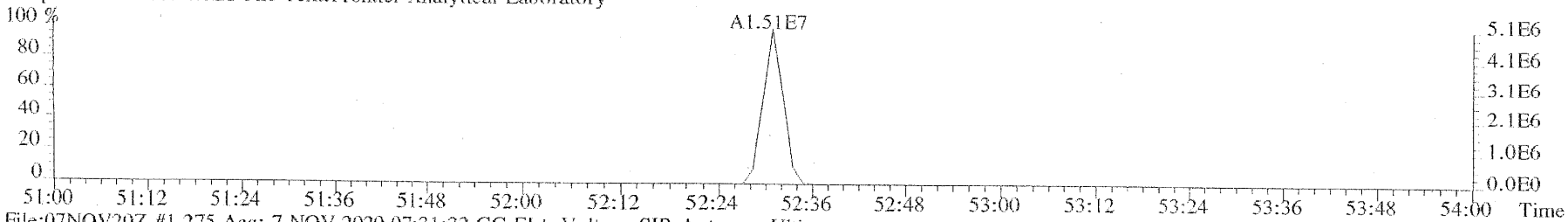
File:07NOV20Z #1-274 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



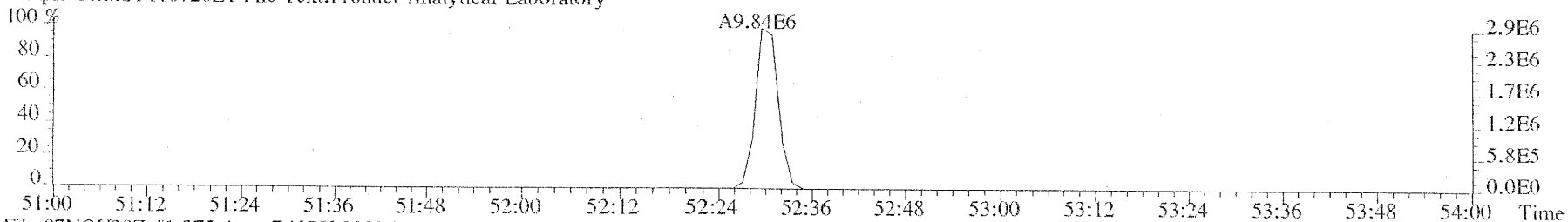
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



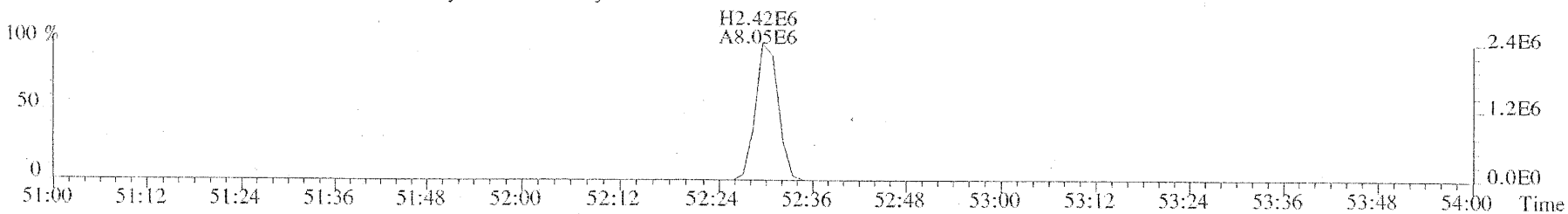
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory



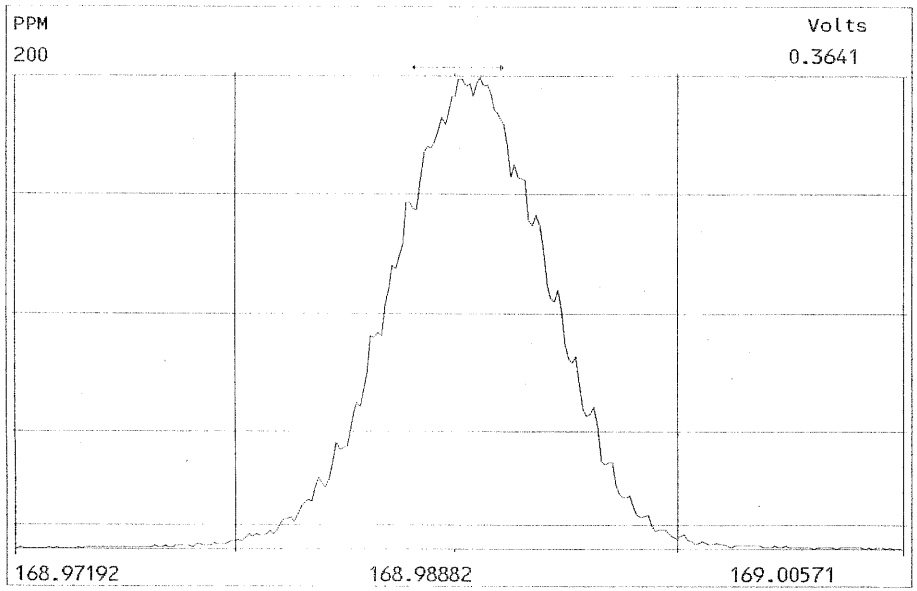
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

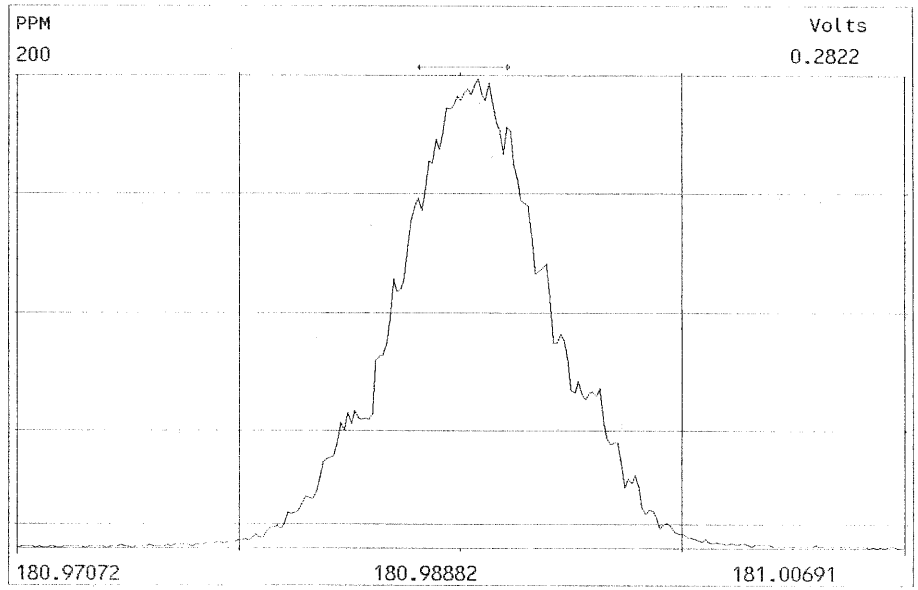


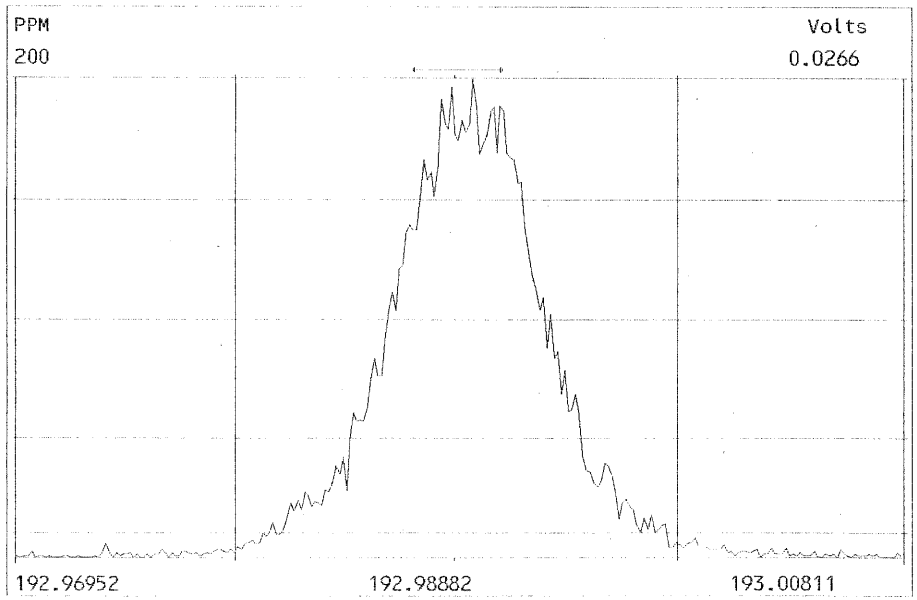
File:07NOV20Z #1-275 Acq: 7-NOV-2020 07:31:32 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z1 File Text:Frontier Analytical Laboratory

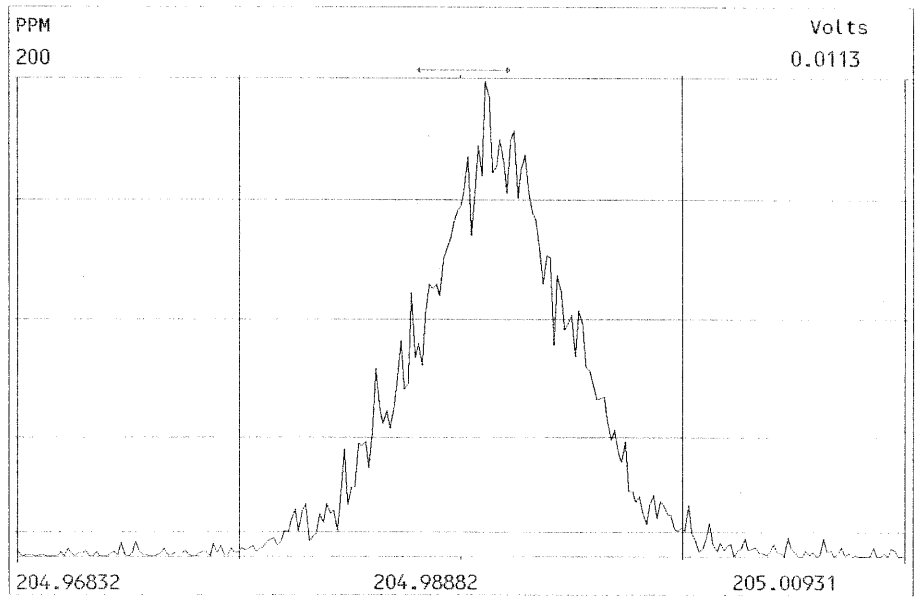


Peak Locate Examination: 7-NOV-2020:22:35 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

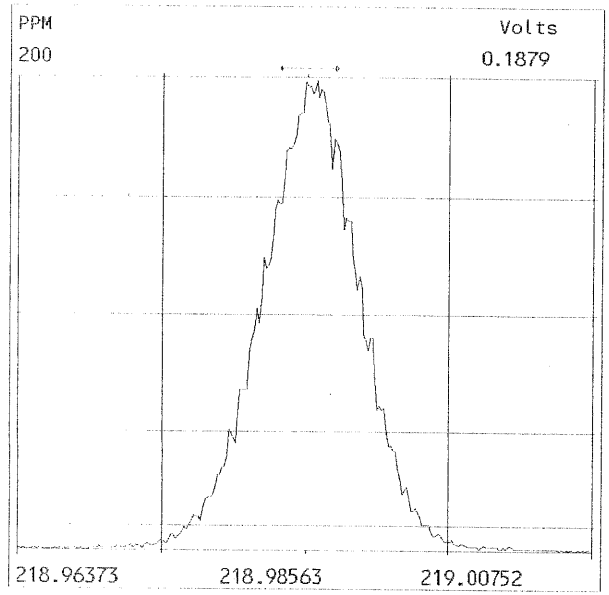


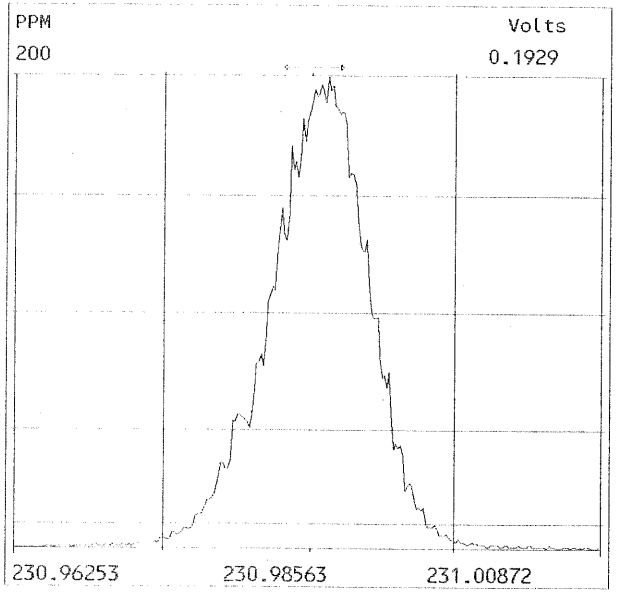


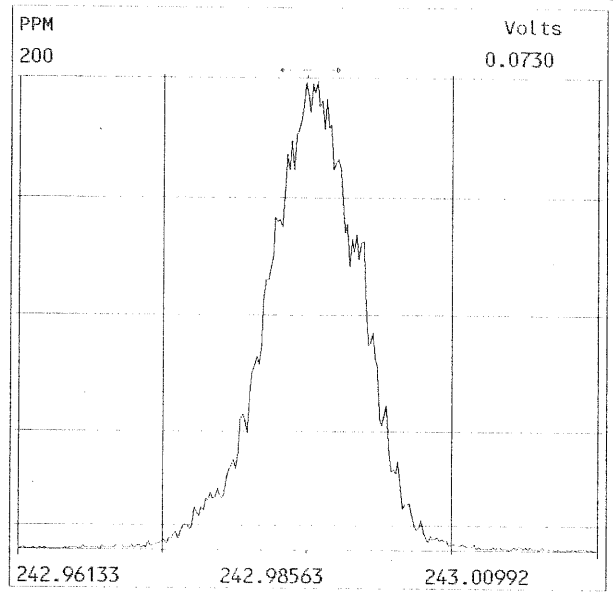


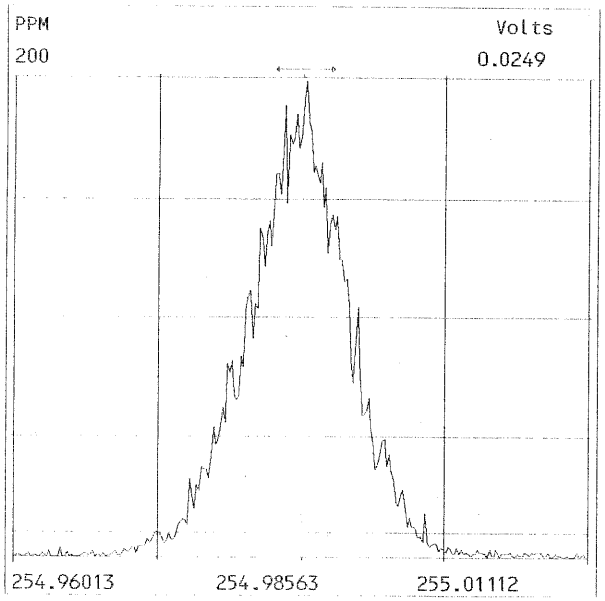


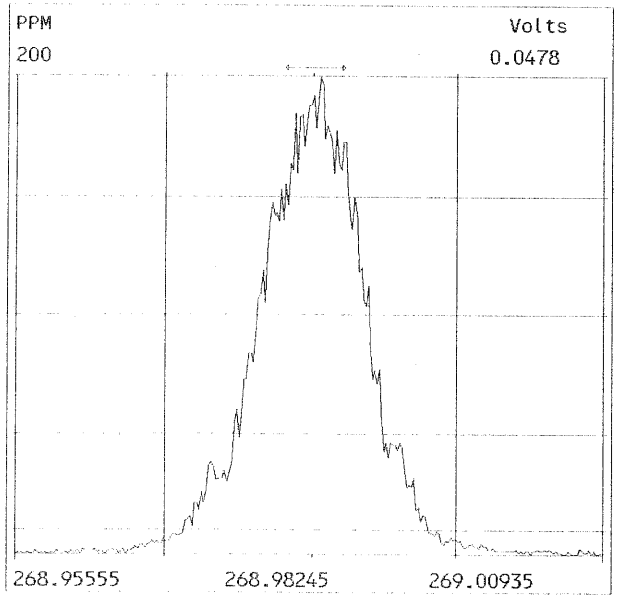
Peak Locate Examination: 7-NOV-2020:22:38 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

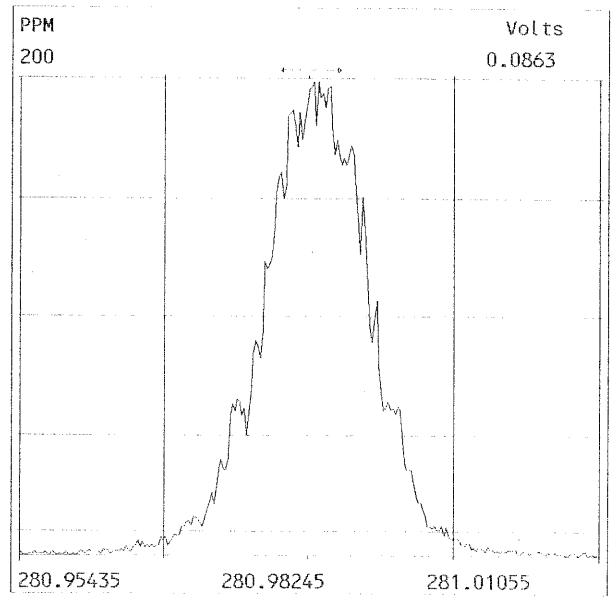




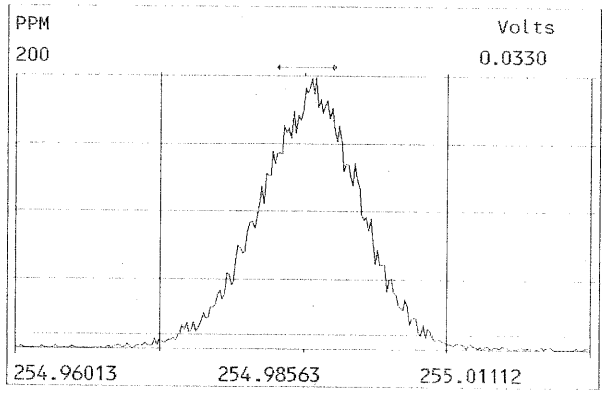


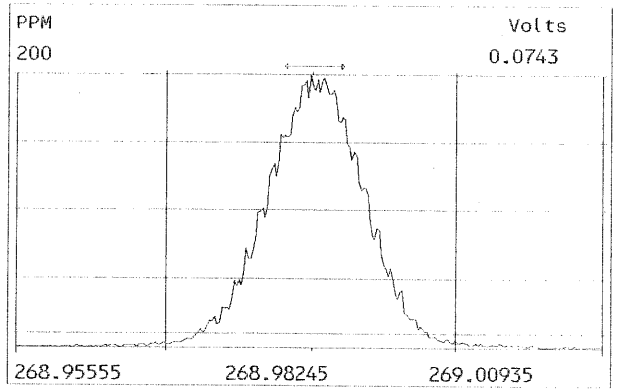


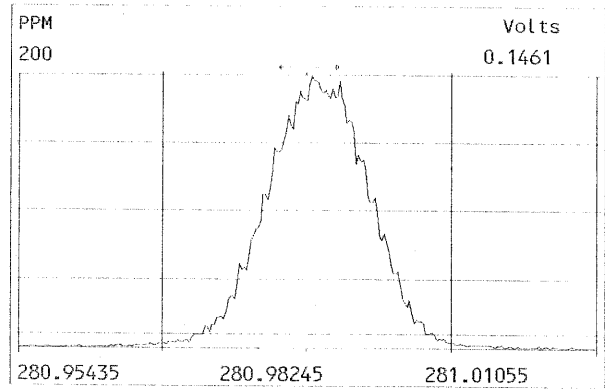


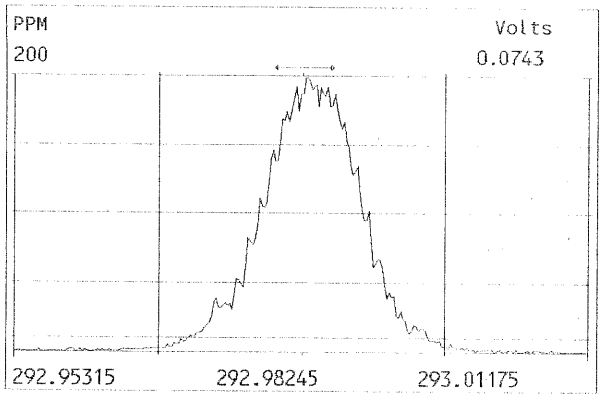


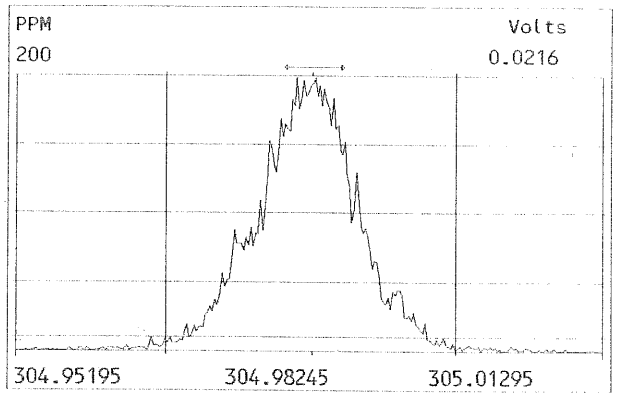
Peak Locate Examination: 7-NOV-2020:22:40 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

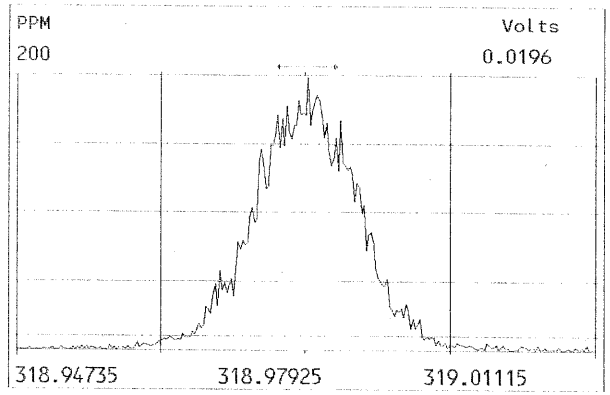


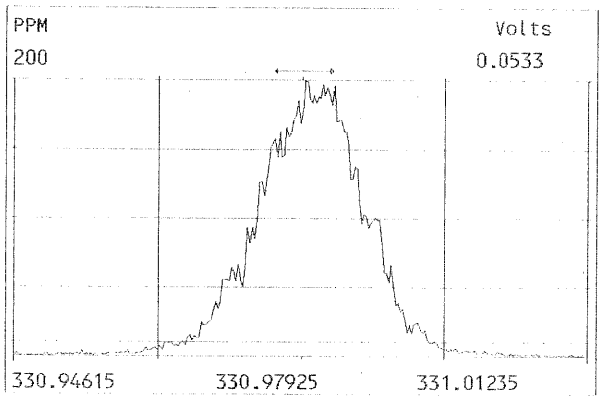


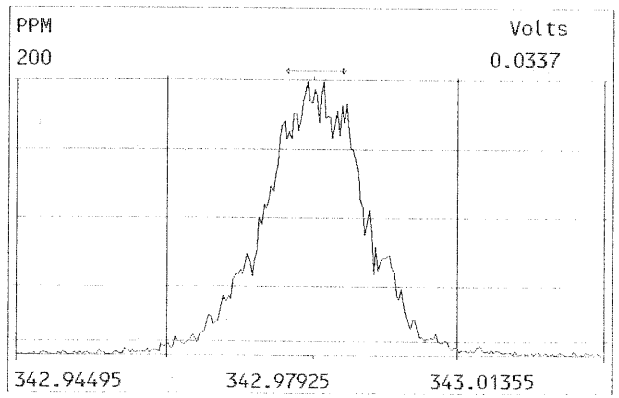




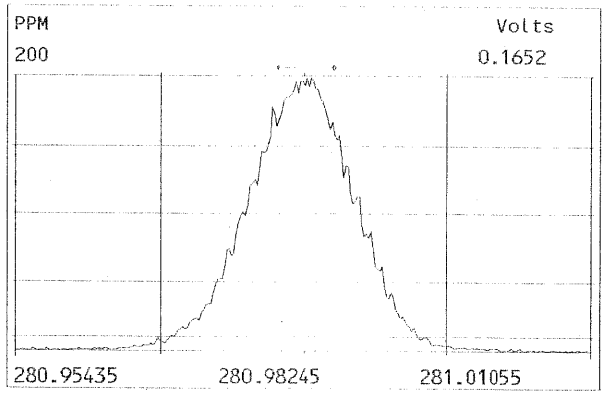


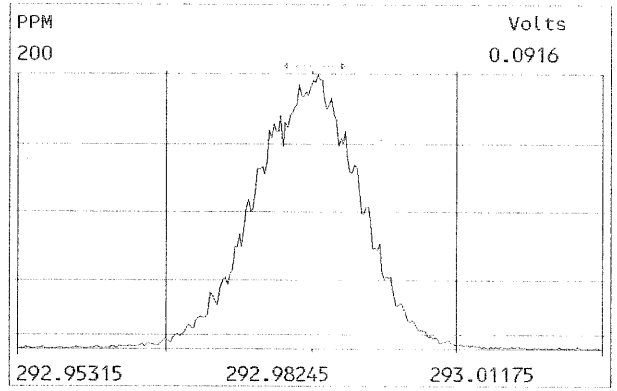


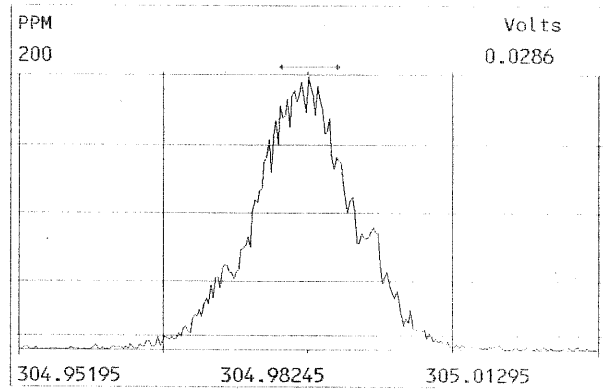


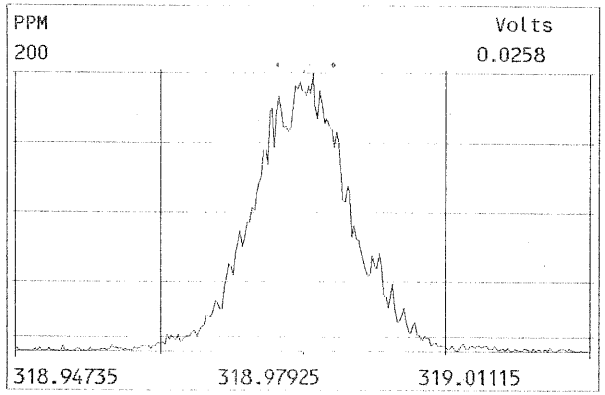


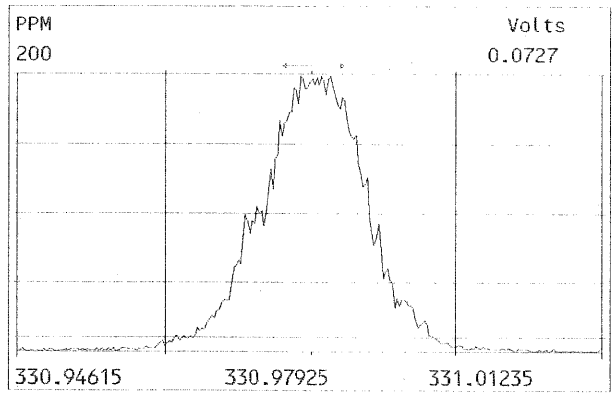
Peak Locate Examination: 7-NOV-2020:22:42 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

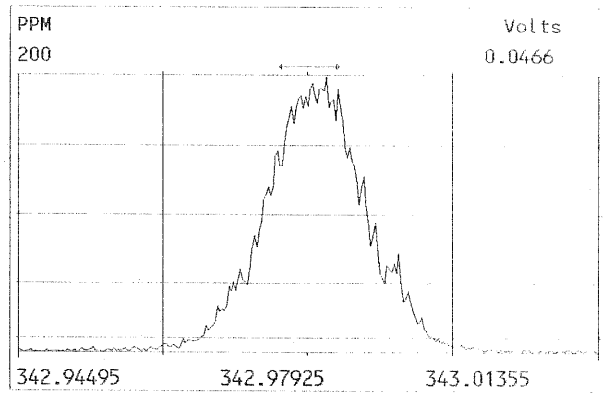


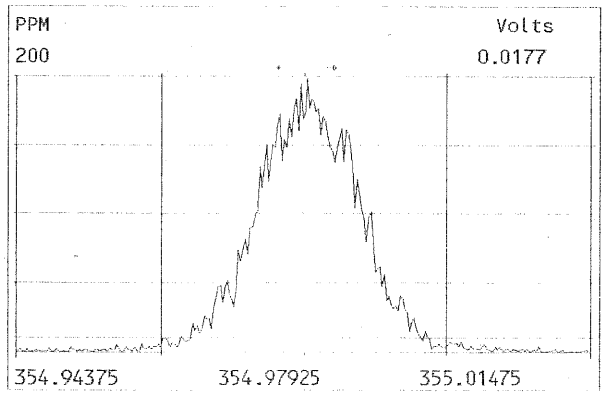


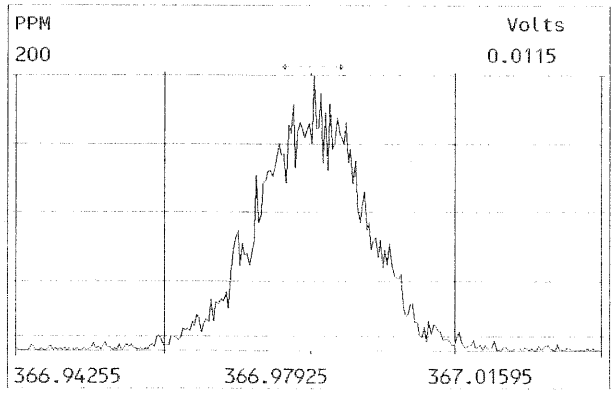


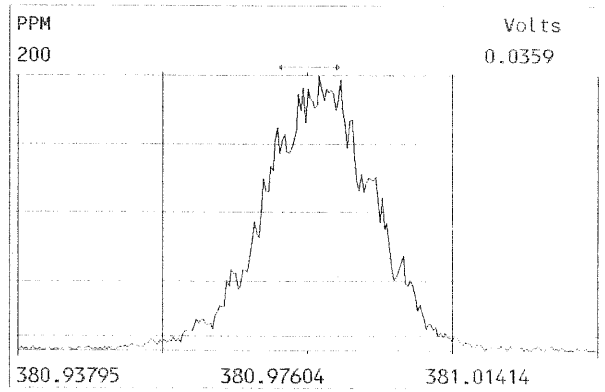






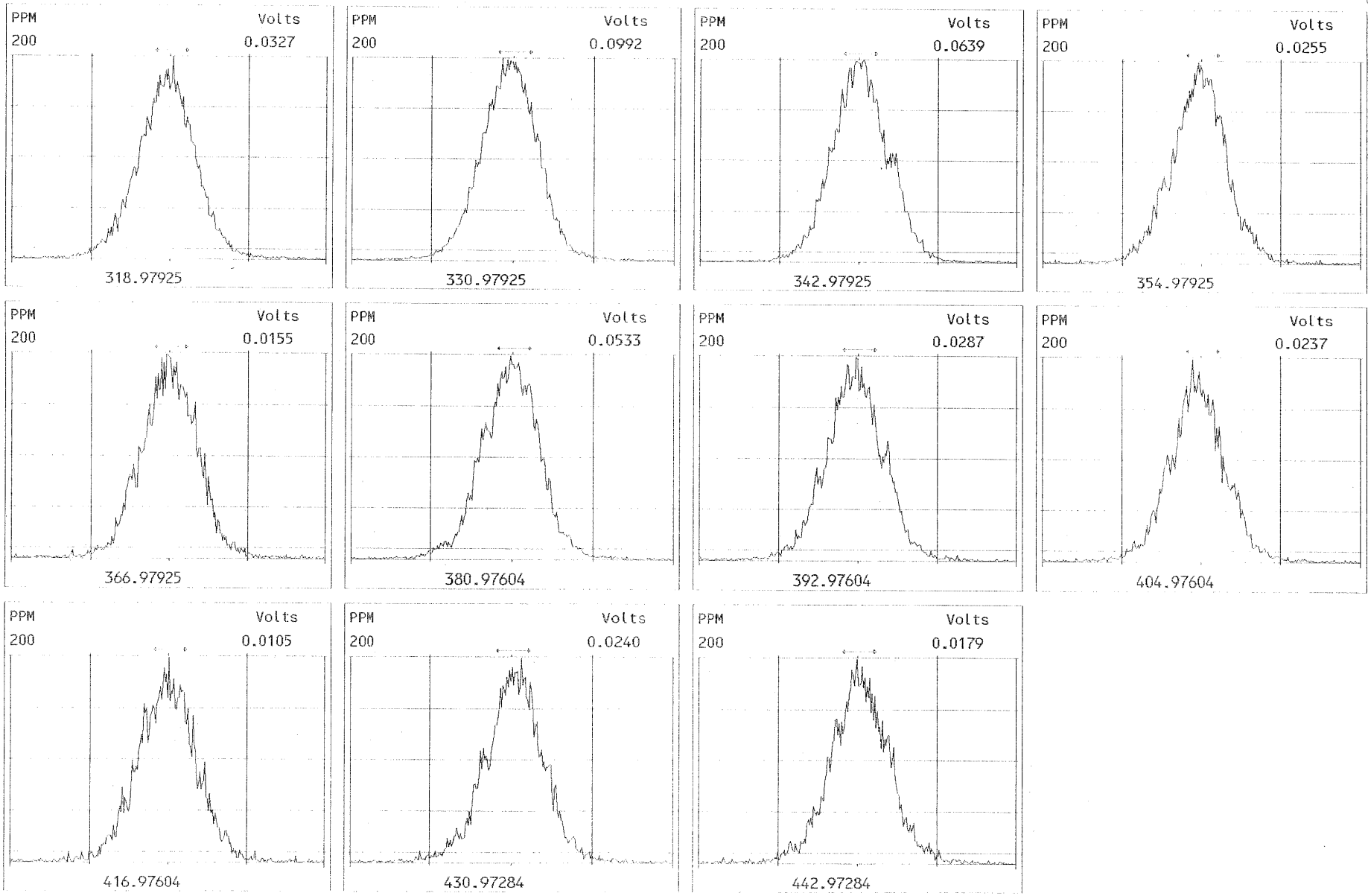




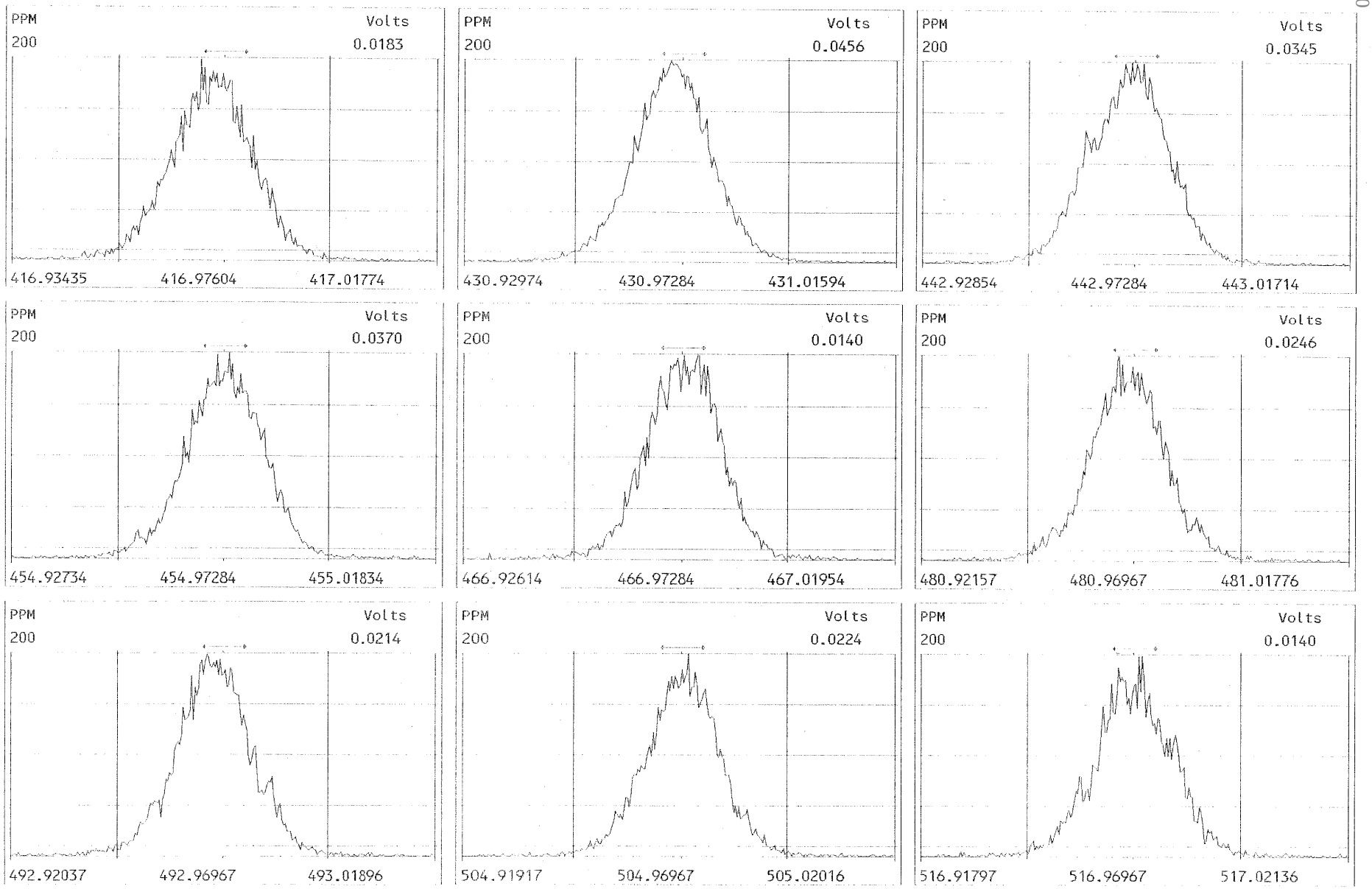


Peak Locate Examination: 7-NOV-2020:22:45 File:07NOV20Z_RES_CHECK

Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination: 7-NOV-2020:22:47 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



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: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	58.2	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	59.4	37.5 - 62.5
PCB-4	M/M+2	1.49	1.33-1.79	y	53.9	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	61.7	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	54.7	37.5 - 62.5
PCB-37	M/M+2	1.13	0.88-1.20	y	57.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	115	37.5 - 62.5
PCB-77	M/M+2	0.85	0.65-0.89	y	104	37.5 - 62.5
PCB-81	M/M+2	0.82	0.65-0.89	y	116	37.5 - 62.5
PCB-104	M+2/M+4	1.57	1.32-1.78	y	110	37.5 - 62.5
PCB-105	M+2/M+4	1.64	1.32-1.78	y	122	37.5 - 62.5
PCB-114	M+2/M+4	1.63	1.32-1.78	y	121	37.5 - 62.5
PCB-118	M+2/M+4	1.62	1.32-1.78	y	224	37.5 - 62.5
PCB-123	M+2/M+4	1.62	1.32-1.78	y	101	37.5 - 62.5
PCB-126	M+2/M+4	1.63	1.32-1.78	y	120	37.5 - 62.5
PCB-155	M+2/M+4	1.29	1.05-1.43	y	107	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	116	37.5 - 62.5
PCB-157	M+2/M+4	1.28	1.05-1.43	y	119	37.5 - 62.5
PCB-167	M+2/M+4	1.26	1.05-1.43	y	113	37.5 - 62.5
PCB-169	M+2/M+4	1.25	1.05-1.43	y	111	37.5 - 62.5
PCB-188	M+2/M+4	1.08	0.89-1.21	y	111	37.5 - 62.5
PCB-189	M+2/M+4	1.06	0.89-1.21	y	110	37.5 - 62.5
PCB-202	M+2/M+4	0.93	0.76-1.02	y	163	37.5 - 62.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	160	37.5 - 62.5
PCB-206	M+4/M+6	1.32	1.13-1.53	y	160	37.5 - 62.5
PCB-208	M+4/M+6	1.34	1.13-1.53	y	163	37.5 - 62.5
PCB-209	M+4/M+6	1.21	0.99-1.33	y	165	37.5 - 62.5

Analyst: [illegible] Date: 11/9/20

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: 07NOV20Z Sam:15 Analysis Date: 7-NOV-20 21:08:28

	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	3.21	2.66-3.60	y	78.0	50.0 - 145
13C-PCB-3	M/M+2	3.30	2.66-3.60	y	71.2	50.0 - 145
13C-PCB-4	M/M+2	1.60	1.33-1.79	y	98.7	50.0 - 145
13C-PCB-15	M/M+2	1.63	1.33-1.79	y	86.6	50.0 - 145
13C-PCB-19	M/M+2	1.12	0.88-1.20	y	72.2	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	96.1	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	0.80	0.65-0.89	y	110	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	108	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	85.7	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	99.1	50.0 - 145
13C-PCB-114	M+2/M+4	1.64	1.32-1.78	y	97.2	50.0 - 145
13C-PCB-118	M+2/M+4	1.59	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	100	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	96.9	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	88.7	50.0 - 145
13C-PCB-156	M+2/M+4	1.29	1.05-1.43	y	91.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	93.7	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	90.4	50.0 - 145
13C-PCB-169	M+2/M+4	1.29	1.05-1.43	y	90.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	79.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.08	0.89-1.21	y	83.0	50.0 - 145
13C-PCB-202	M+2/M+4	0.88	0.76-1.02	y	61.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	96.7	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	90.6	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	86.7	50.0 - 145
13C-PCB-209	M+4/M+6	1.23	0.99-1.33	y	76.5	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.02	0.88-1.20	y	117	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	1.07	0.89-1.21	y	86.9	75.0 - 125

Analyst: _____ Date: 11/9/20

FAL ID: ST110720Z2 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110720Z1 EndCal: ST110720Z2
Results: 07NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.04e+07	3.24 y	14:32	1.21	58.2		2.50	-	-	*	-
13C-PCB-1	4.30e+07	3.21 y	14:31	0.90	78.0		2.50				78.0
PCB-3	2.97e+07	3.23 y	16:57	1.23	59.4		2.50	-	-	*	-
13C-PCB-3	4.07e+07	3.30 y	16:56	0.93	71.2		2.50				71.2
PCB-4	2.46e+07	1.49 y	18:12	1.14	53.9		2.50	-	-	*	-
13C-PCB-4	3.99e+07	1.60 y	18:11	0.66	98.7		2.50				98.7
PCB-15	3.89e+07	1.53 y	23:43	1.09	61.7		2.50	-	-	*	-
13C-PCB-15	5.77e+07	1.63 y	23:41	1.09	86.6		2.50				86.6
PCB-19	1.48e+07	1.07 y	22:05	1.21	54.7		2.50	-	-	*	-
13C-PCB-19	2.24e+07	1.12 y	22:03	0.50	72.2		2.50				72.2
13C-PCB-9	6.14e+07	1.61 y	19:51	-	60.2		2.50				
PCB-37	2.67e+07	1.13 y	30:21	1.14	57.3		2.50	-	-	*	-
13C-PCB-37	4.07e+07	1.04 y	30:20	1.64	96.1		2.50				96.1
PCB-54	4.63e+07	0.78 y	25:37	1.18	115		2.50	-	-	*	-
13C-PCB-54	3.40e+07	0.82 y	25:35	1.26	104		2.50				104
PCB-104	2.77e+07	1.57 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	2.26e+07	1.60 y	30:01	1.02	85.7		2.50				85.7
13C-PCB-28	5.25e+07	1.02 y	26:40	1.73	117		2.50				117
13C-PCB-52	2.59e+07	0.80 y	28:55	-	48.7		2.50				
PCB-81	5.38e+07	0.82 y	36:07	1.13	116		2.50	-	-	*	-
13C-PCB-81	4.11e+07	0.79 y	36:06	1.57	108		2.50				108
PCB-77	4.93e+07	0.85 y	36:41	1.10	104		2.50	-	-	*	-
13C-PCB-77	4.29e+07	0.80 y	36:39	1.61	110		2.50				110
PCB-155	2.87e+07	1.29 y	34:12	1.13	107		2.50	-	-	*	-
13C-PCB-155	2.36e+07	1.30 y	34:11	1.10	88.7		2.50				88.7
13C-PCB-111	3.09e+07	1.63 y	36:15	1.27	101		2.50				101
13C-PCB-101	2.41e+07	1.64 y	34:36	-	50.7		2.50				
PCB-123	3.93e+07	1.62 y	38:19	1.11	101		2.50	-	-	*	-
13C-PCB-123	3.50e+07	1.59 y	38:18	1.28	100		2.50				100
PCB-118	9.35e+07	1.62 y	38:29	1.12	224		2.50	-	-	*	-
13C-PCB-118	3.72e+07	1.59 y	38:28	1.35	101		2.50				101
PCB-114	4.67e+07	1.63 y	39:05	1.13	121		2.50	-	-	*	-
13C-PCB-114	3.42e+07	1.64 y	39:05	1.29	97.2		2.50				97.2
PCB-105	4.64e+07	1.64 y	39:55	1.10	122		2.50	-	-	*	-
13C-PCB-105	3.45e+07	1.61 y	39:53	1.28	99.1		2.50				99.1
PCB-126	4.21e+07	1.63 y	42:02	1.08	120		2.50	-	-	*	-
13C-PCB-126	3.24e+07	1.59 y	42:02	1.23	96.9		2.50				96.9
PCB-167	3.78e+07	1.26 y	43:24	1.11	113		2.50	-	-	*	-
13C-PCB-167	3.02e+07	1.29 y	43:22	1.23	90.4		2.50				90.4
PCB-156	3.88e+07	1.25 y	44:38	1.13	116		2.50	-	-	*	-
13C-PCB-156	2.97e+07	1.29 y	44:36	1.19	91.8		2.50				91.8
PCB-157	3.99e+07	1.28 y	44:53	1.08	119		2.50	-	-	*	-
13C-PCB-157	3.09e+07	1.30 y	44:51	1.21	93.7		2.50				93.7
PCB-169	3.46e+07	1.25 y	46:45	1.08	111		2.50	-	-	*	-
13C-PCB-169	2.89e+07	1.29 y	46:43	1.17	90.7		2.50				90.7
PCB-188	2.97e+07	1.08 y	39:42	1.10	111		2.50	-	-	*	-
13C-PCB-188	2.44e+07	1.08 y	39:40	1.13	79.5		2.50				79.5
PCB-189	2.57e+07	1.06 y	48:25	1.07	110		2.50	-	-	*	-
13C-PCB-189	2.18e+07	1.08 y	48:25	0.97	83.0		2.50				83.0
PCB-202	2.69e+07	0.93 y	44:48	1.03	163		2.50	-	-	*	-
13C-PCB-202	1.60e+07	0.88 y	44:46	0.96	61.7		2.50				61.7
13C-PCB-178	1.83e+07	1.07 y	42:18	0.78	86.9		2.50				86.9
13C-PCB-138	2.72e+07	1.31 y	41:32	-	56.5		2.50				

FAL ID: ST11072022 Filename: 07NOV20Z Sam:15 Acquired: 7-NOV-20 21:08:28 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST11072021 EndCal: ST11072022
Results: 07NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.93e+07	0.92	y	50:05	1.09	160	2.50	-	-	*	-
13C-PCB-205	3.41e+07	0.90	y	50:05	1.32	96.7	2.50				96.7
PCB-208	5.24e+07	1.34	y	49:09	1.01	163	2.50	-	-	*	-
13C-PCB-208	3.20e+07	0.81	y	49:08	1.38	86.7	2.50				86.7
PCB-206	3.78e+07	1.32	y	51:16	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.28e+07	0.80	y	51:16	0.94	90.6	2.50				90.6
PCB-209	4.22e+07	1.21	y	52:28	1.13	165	2.50	-	-	*	-
13C-PCB-209	2.26e+07	1.23	y	52:27	1.10	76.5	2.50				76.5
13C-PCB-194	2.68e+07	0.89	y	49:49	-	70.4	2.50				

Analyst: _____ Date: 11/9/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:07NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

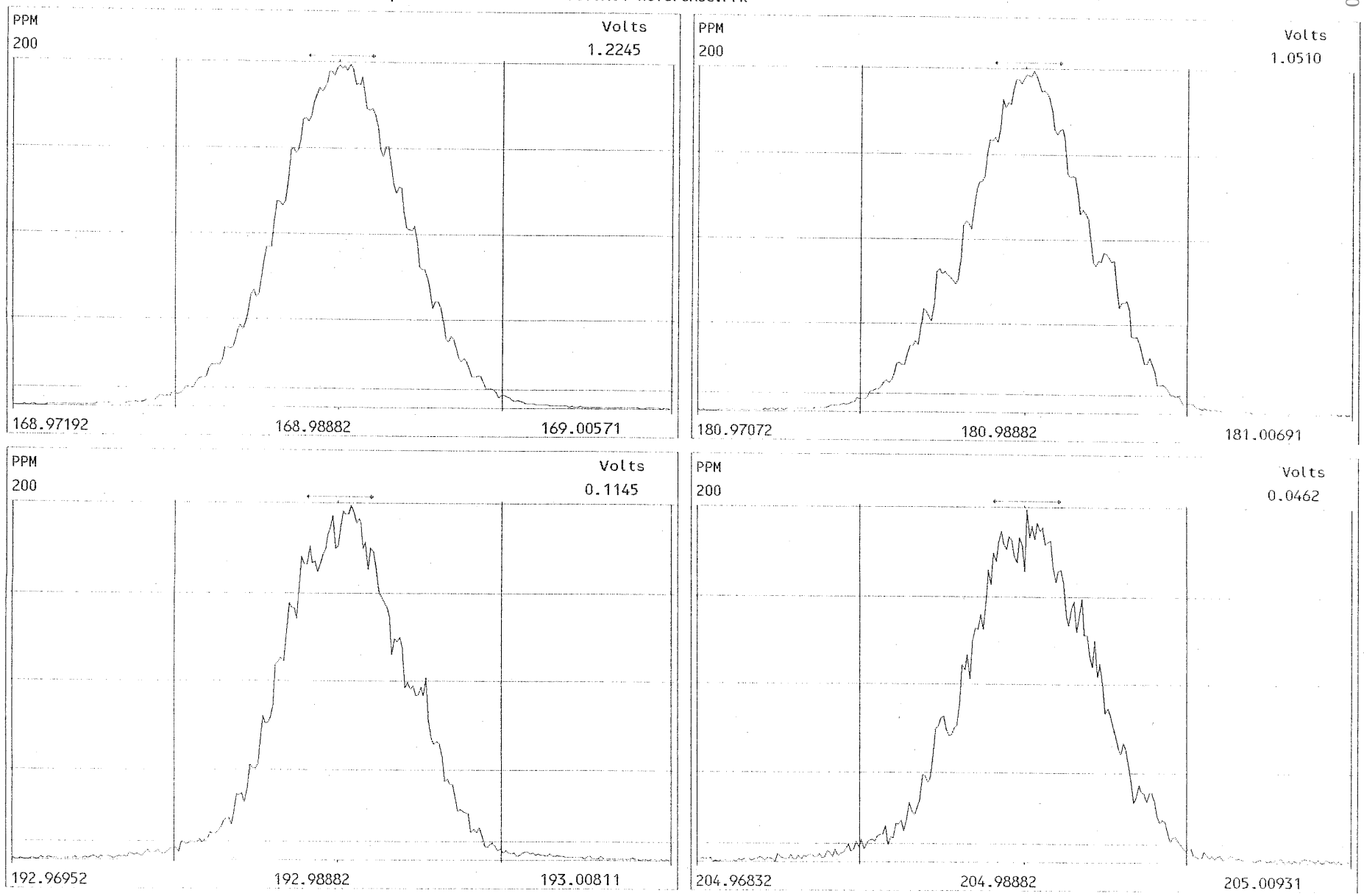
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
07NOV20Z	1	ST110720Z1	CS209 200406A	7-NOV-20 07:31:32	ST110720Z1	ST110720Z2	BS
07NOV20Z	2	05498-001-0001-OPR	OPR	7-NOV-20 08:29:52	ST110720Z1	ST110720Z2	BS
07NOV20Z	3	05498-001-0001-MB	Method Blank	7-NOV-20 09:28:13	ST110720Z1	ST110720Z2	BS
07NOV20Z	4	13378-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-CLAM	7-NOV-20 10:26:34	ST110720Z1	ST110720Z2	BS
07NOV20Z	5	13378-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-CLAM	7-NOV-20 11:24:55	ST110720Z1	ST110720Z2	BS
07NOV20Z	6	13378-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-CLAM	7-NOV-20 12:23:16	ST110720Z1	ST110720Z2	BS
07NOV20Z	7	13379-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-CLAM	7-NOV-20 13:21:38	ST110720Z1	ST110720Z2	BS
07NOV20Z	8	13379-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-CLAM	7-NOV-20 14:19:59	ST110720Z1	ST110720Z2	BS
07NOV20Z	9	13379-021-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-CLAM	7-NOV-20 15:18:21	ST110720Z1	ST110720Z2	BS
07NOV20Z	10	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	7-NOV-20 16:16:42	ST110720Z1	ST110720Z2	BS
07NOV20Z	11	13380-014-0001-SA	LDW-Y3-LBS-SU-ENR-B-WORM	7-NOV-20 17:15:03	ST110720Z1	ST110720Z2	BS
07NOV20Z	12	SB110720Z1	Solvent Blank	7-NOV-20 18:13:25	ST110720Z1	ST110720Z2	BS
07NOV20Z	13	13371-012-0001-SA	LDW-Y3-IN-S010-TB	7-NOV-20 19:11:46	ST110720Z1	ST110720Z2	BS
07NOV20Z	14	SB110720Z2	Solvent Blank	7-NOV-20 20:10:07	ST110720Z1	ST110720Z2	BS
07NOV20Z	15	ST110720Z2	CS209 200406A	7-NOV-20 21:08:28	ST110720Z1	ST110720Z2	BS

8/11/9/20

Data Backed Up:_____

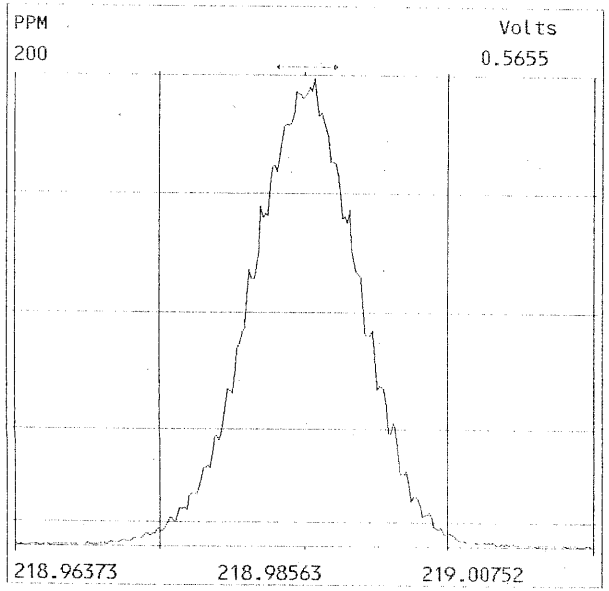
Date:_____

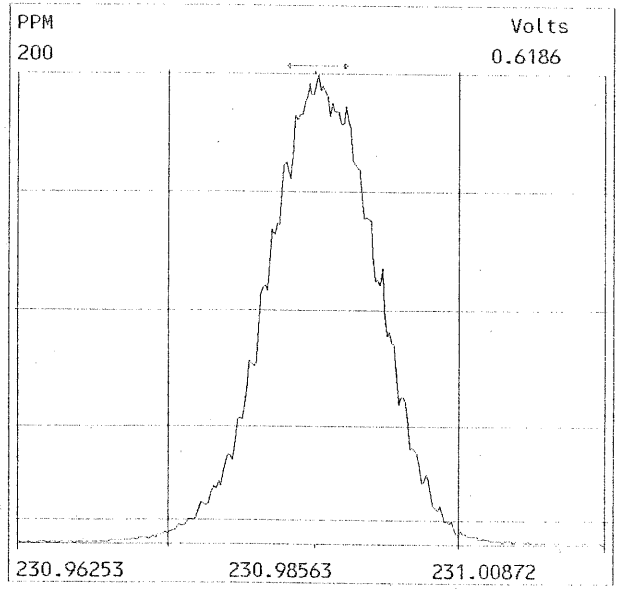
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

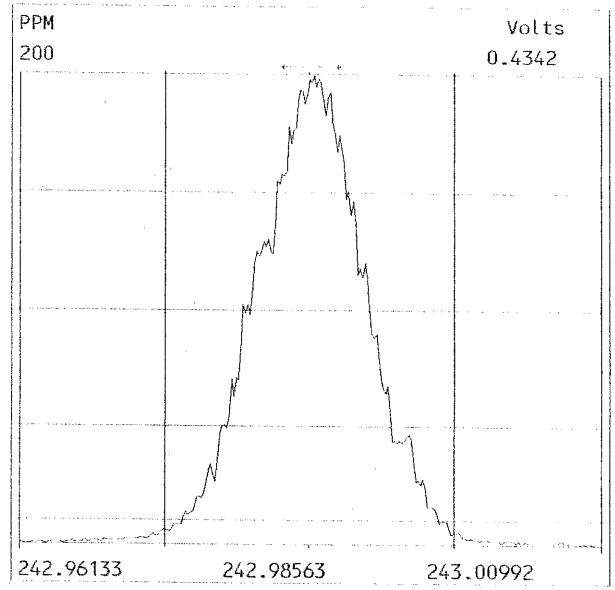


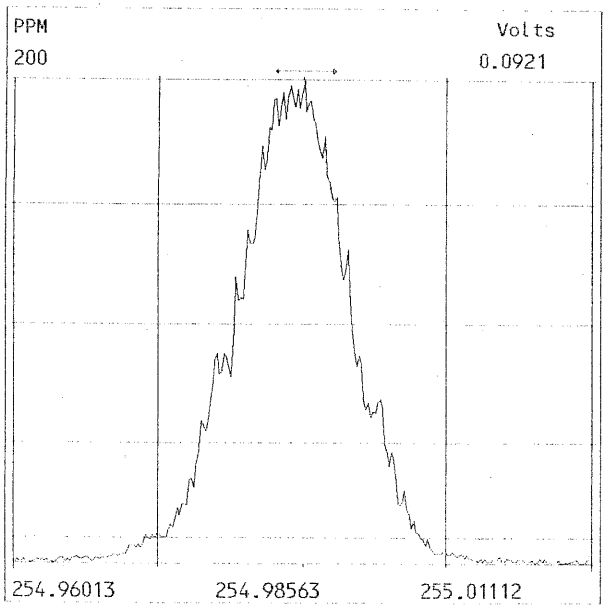
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z

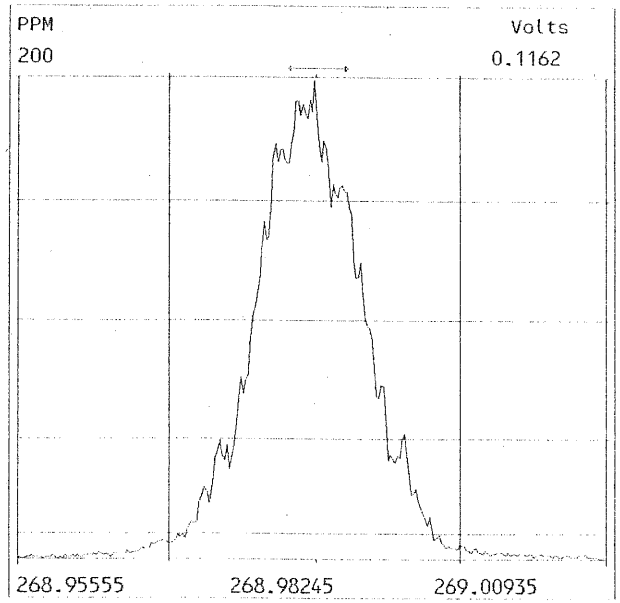
Experiment:1668PCB Function:2 Reference:PFK

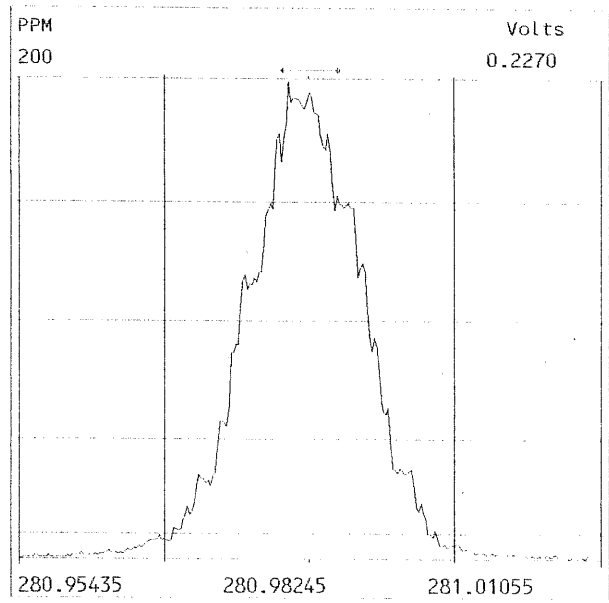




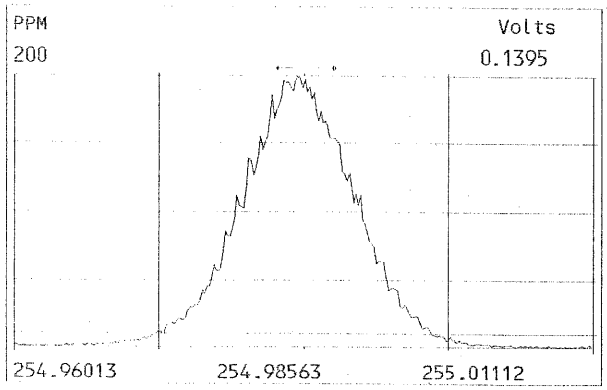


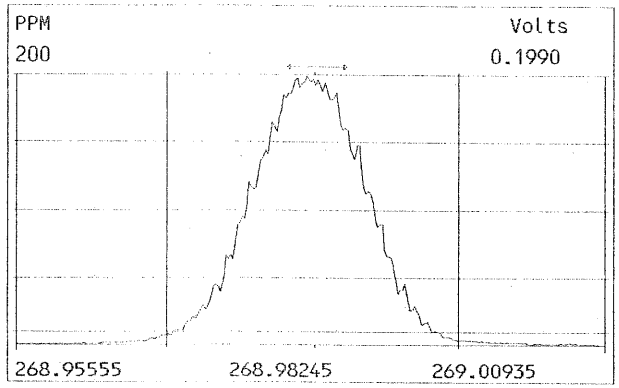


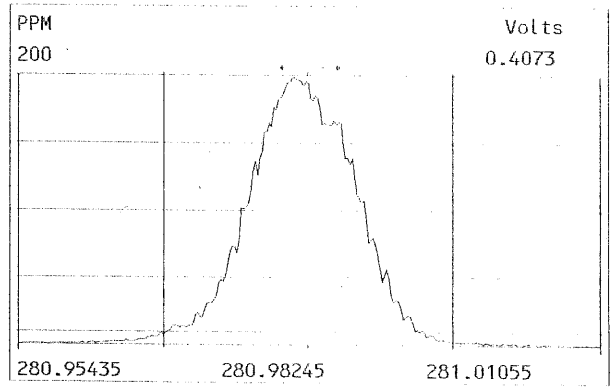


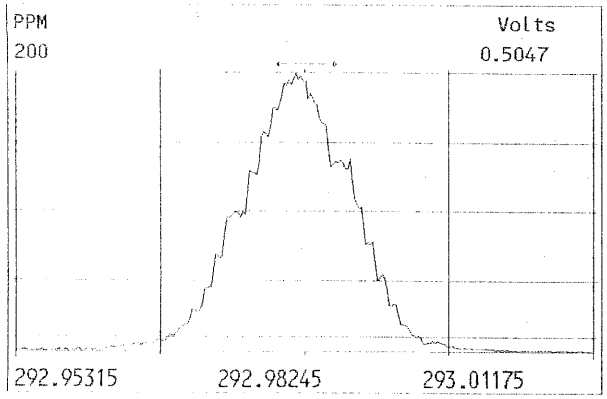


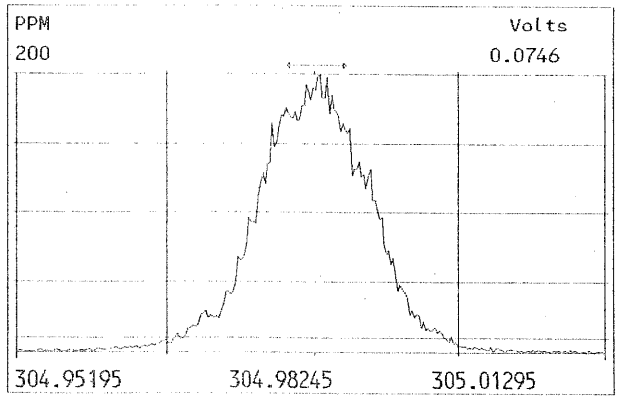
Peak Locate Examination: 7-NOV-2020:07:29 File:07NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

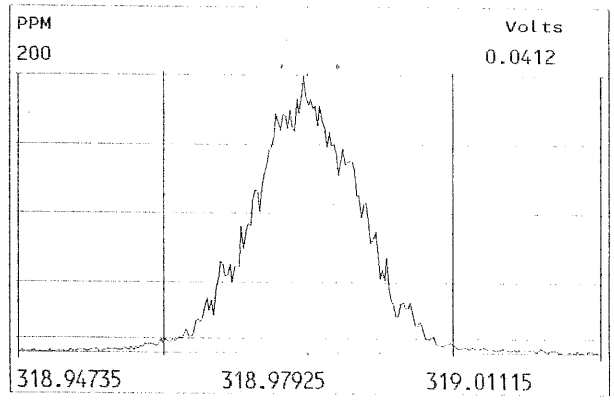


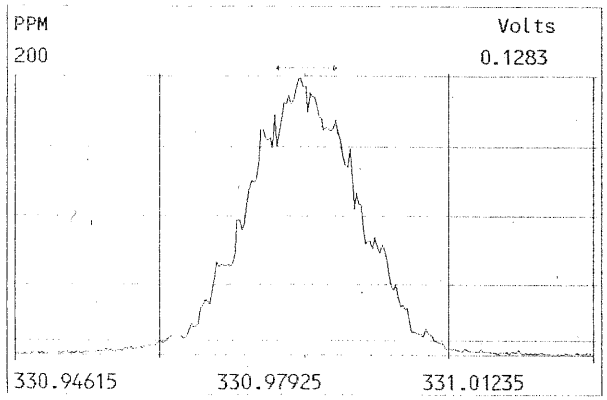


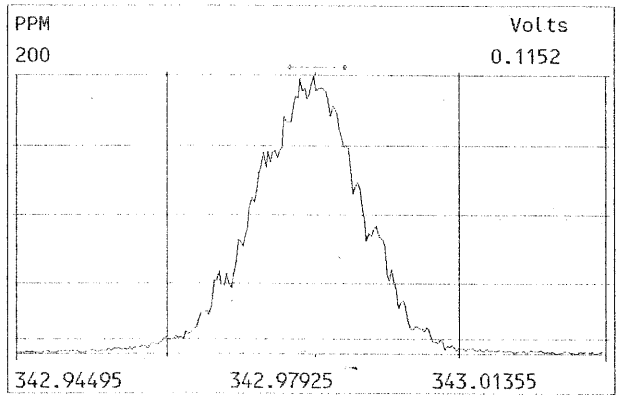




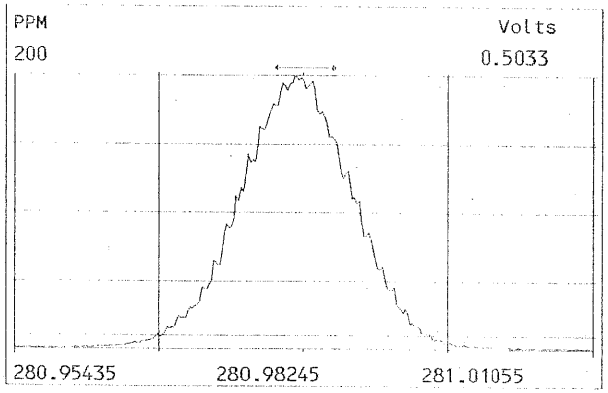


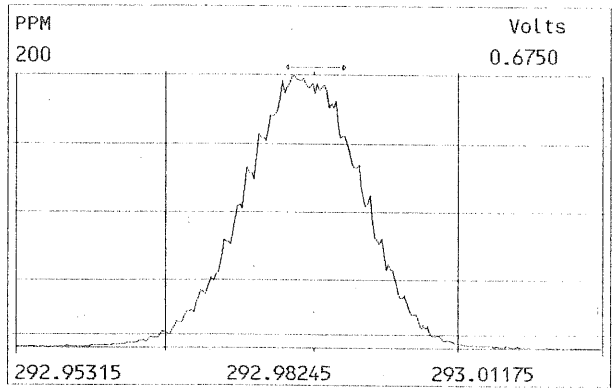


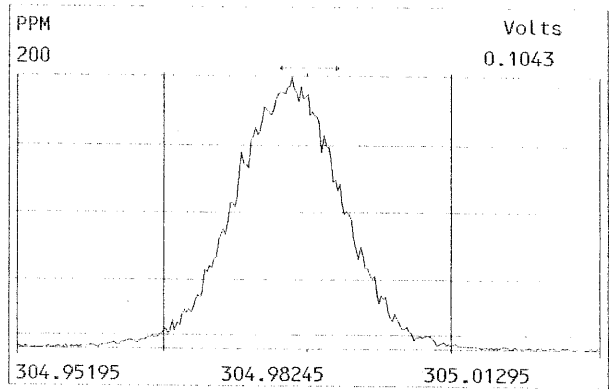


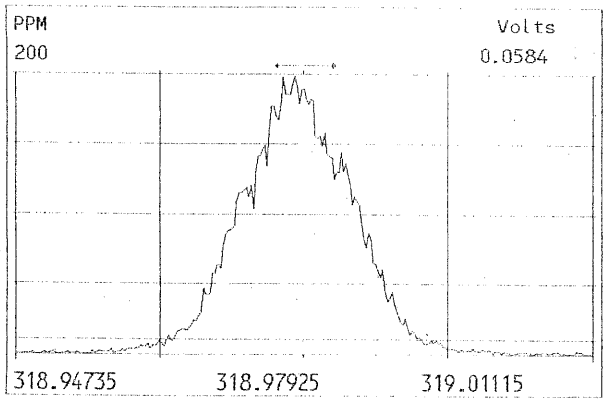


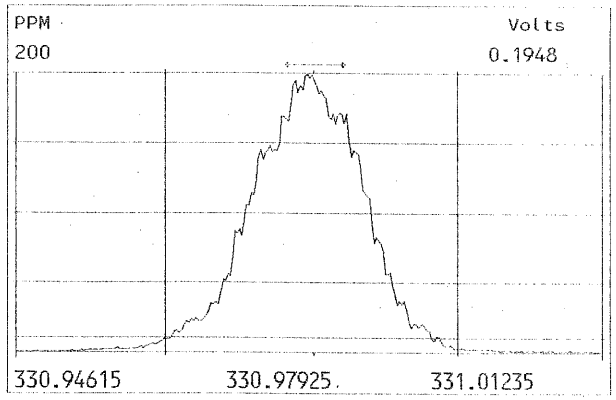
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

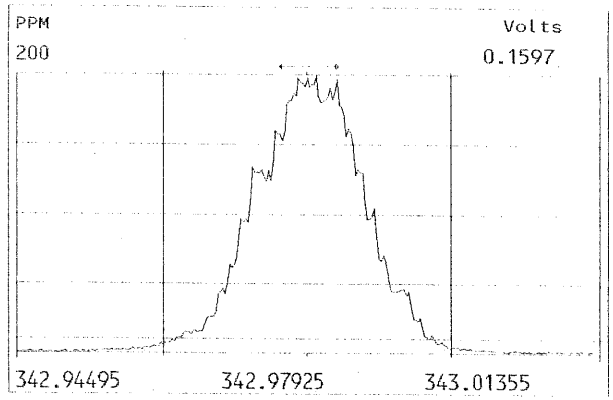


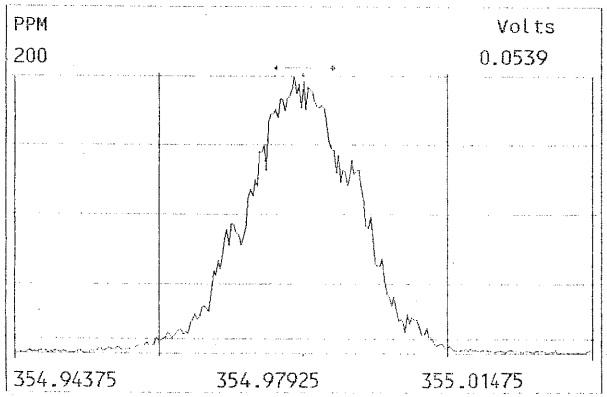


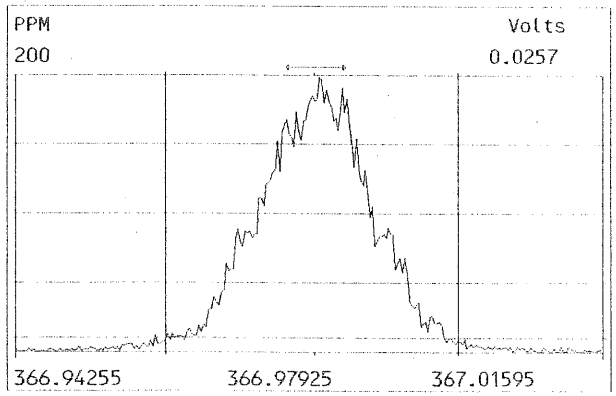


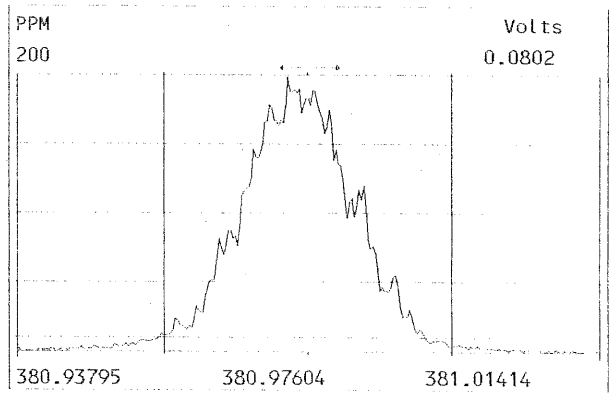






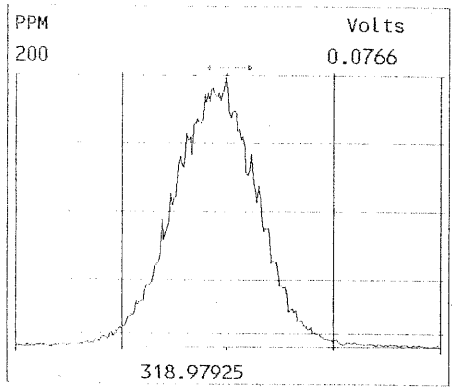


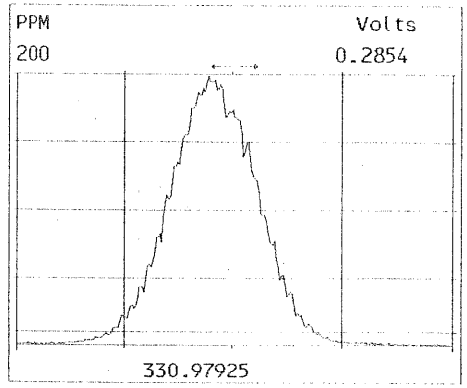


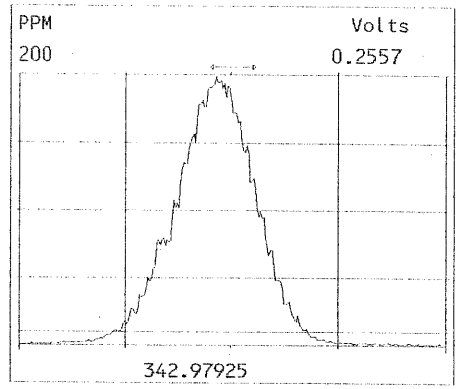


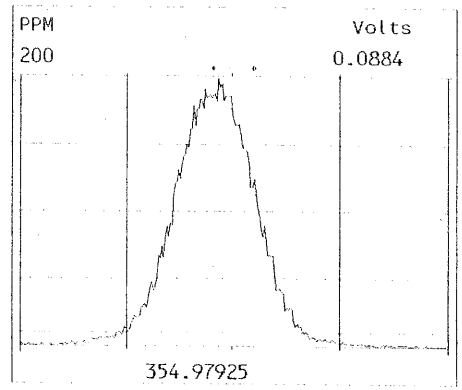
Peak Locate Examination: 7-NOV-2020:07:30 File:07NOV20Z

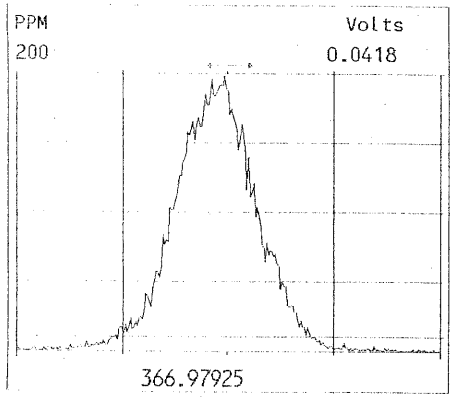
Experiment:1668PCB Function:5 Reference:PFK

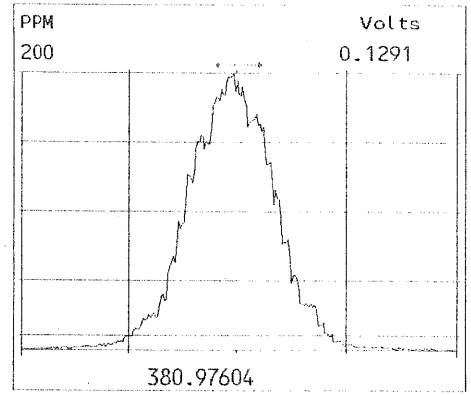


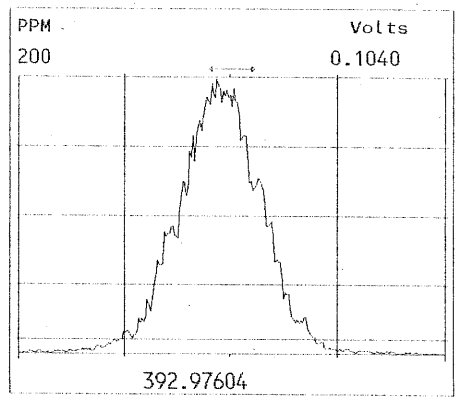


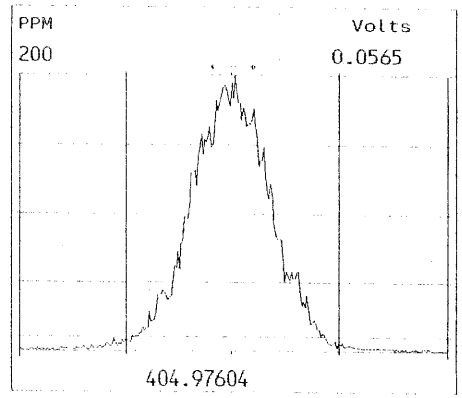


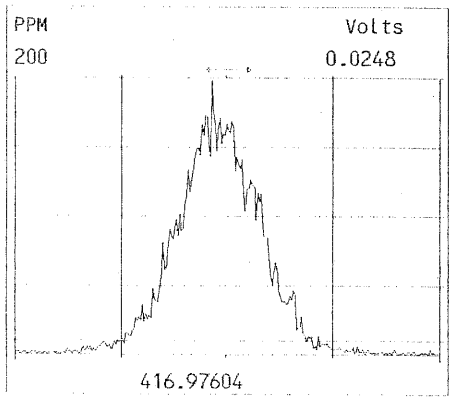


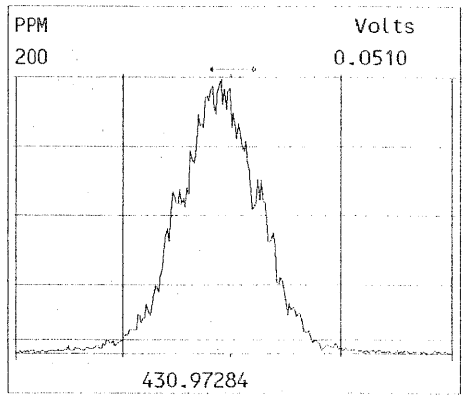


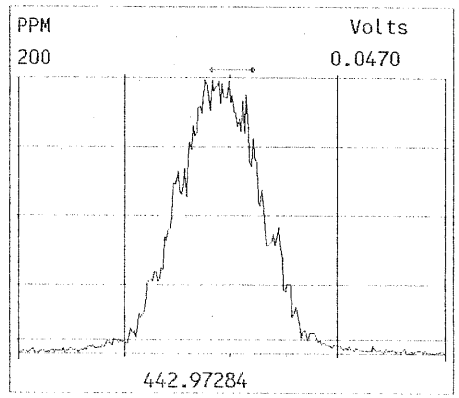






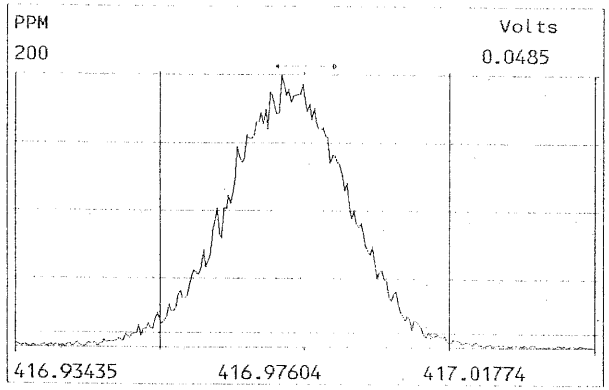


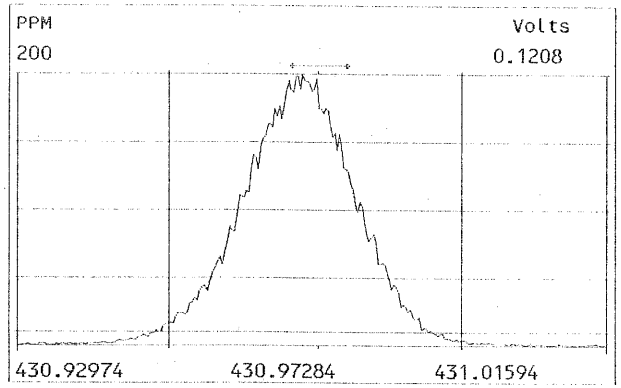


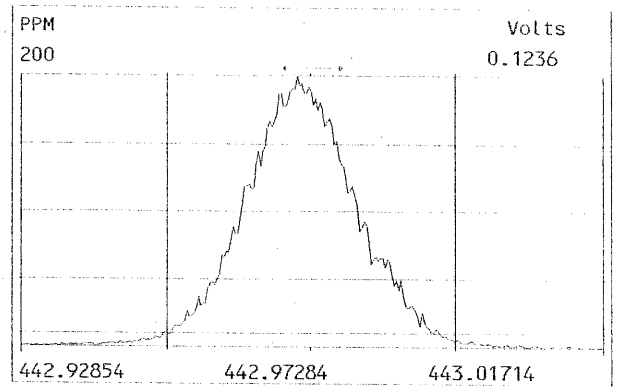


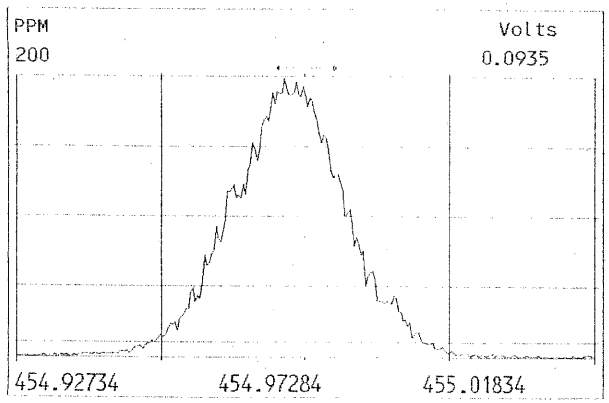
Peak Locate Examination: 7-NOV-2020:07:31 File:07NOV20Z

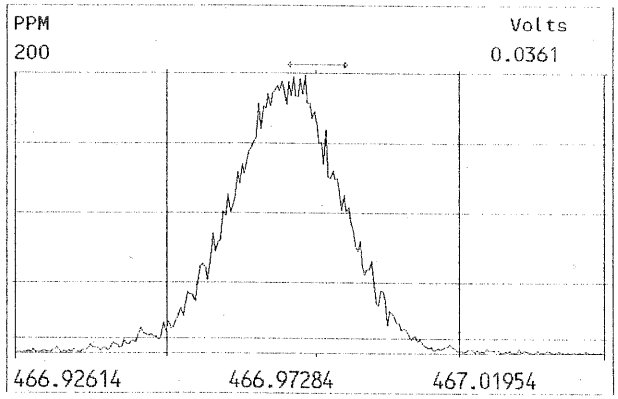
Experiment:1668PCB Function:6 Reference:PFK

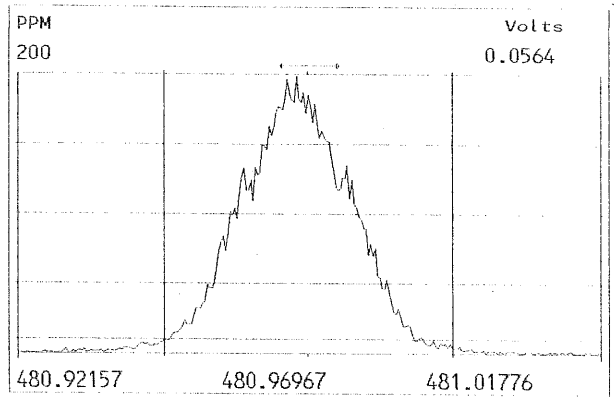


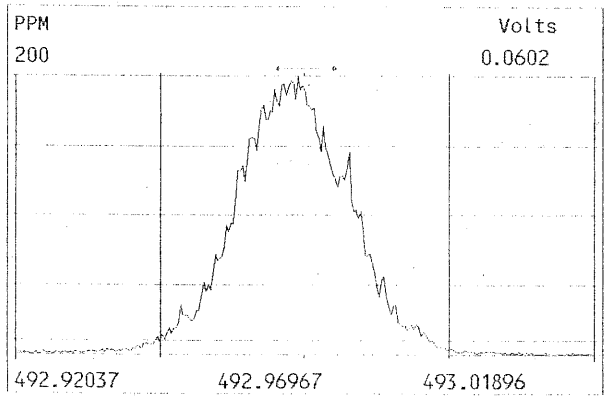


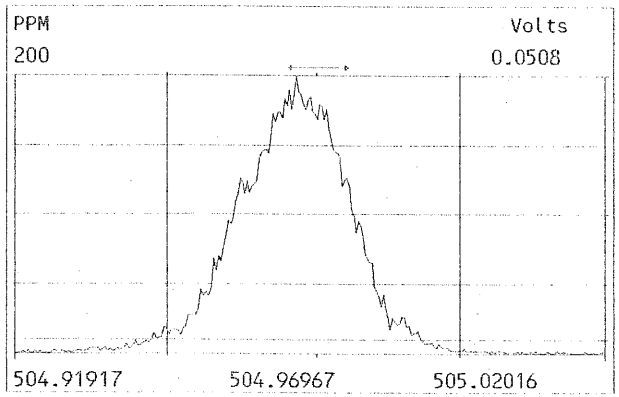


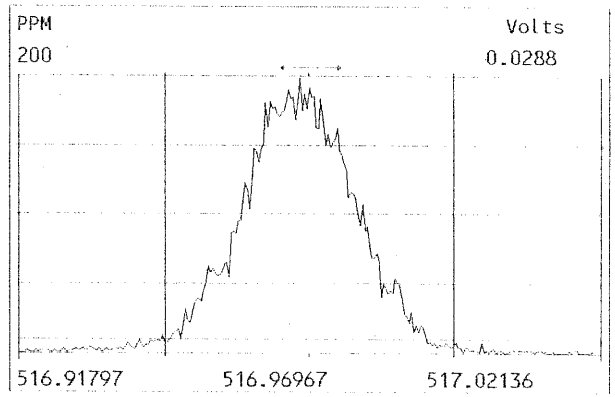




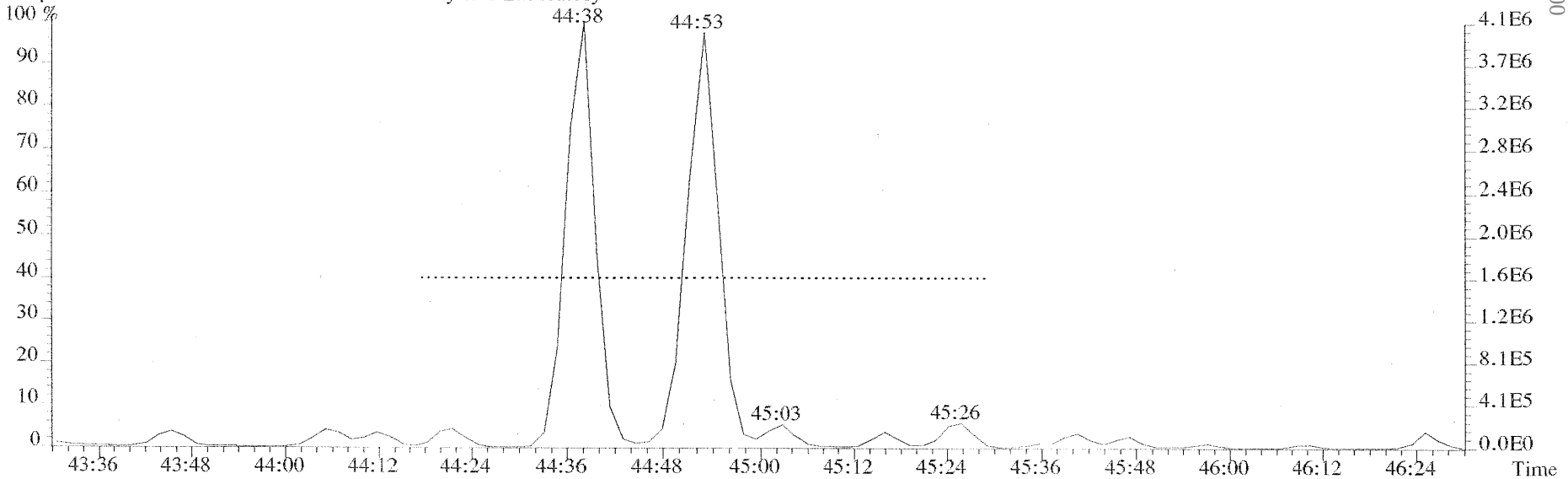




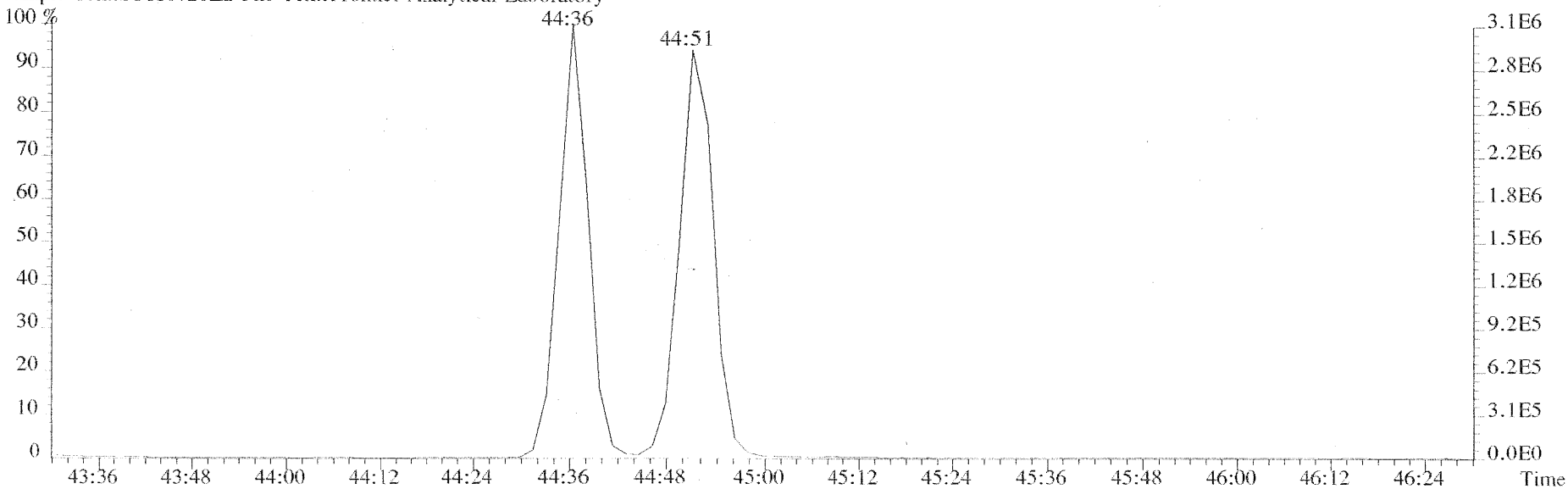




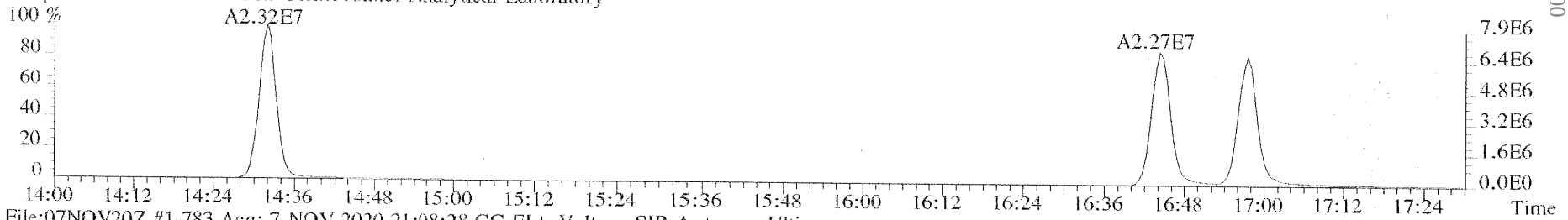
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



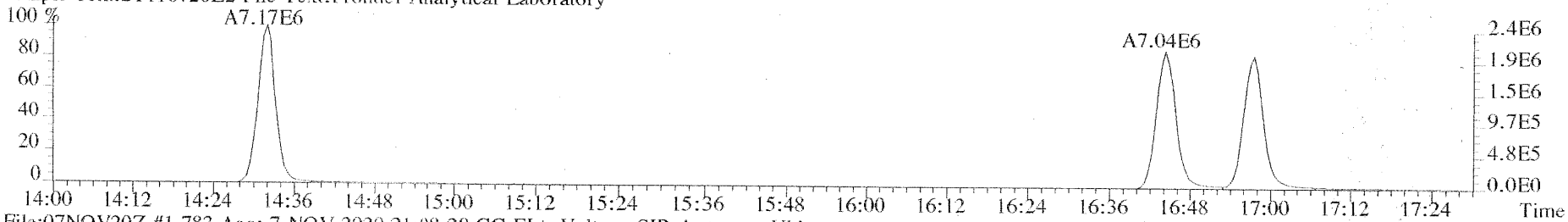
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



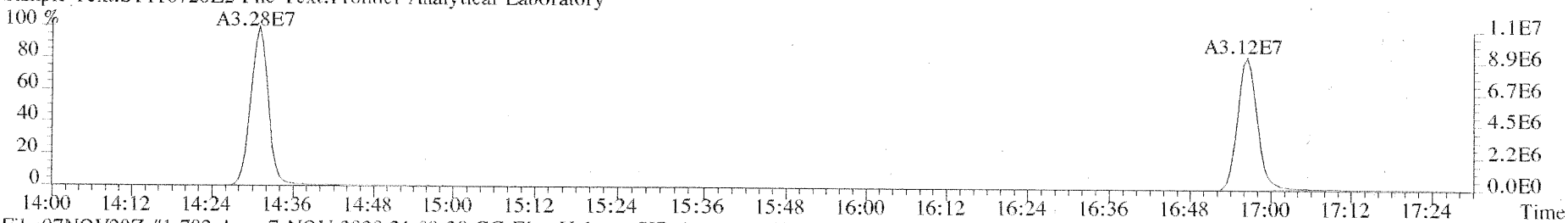
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



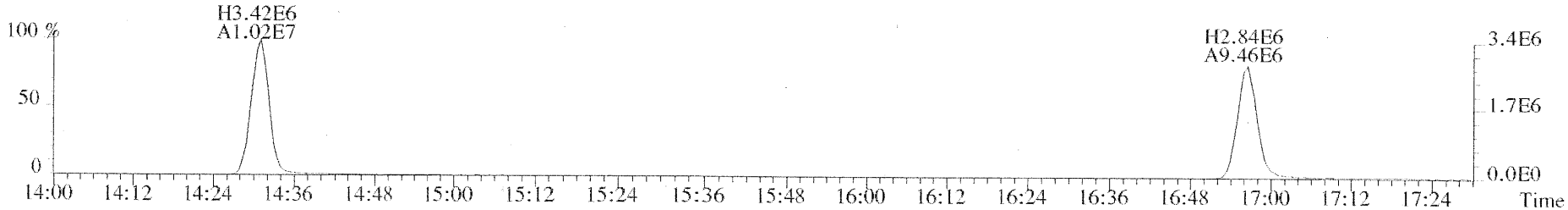
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



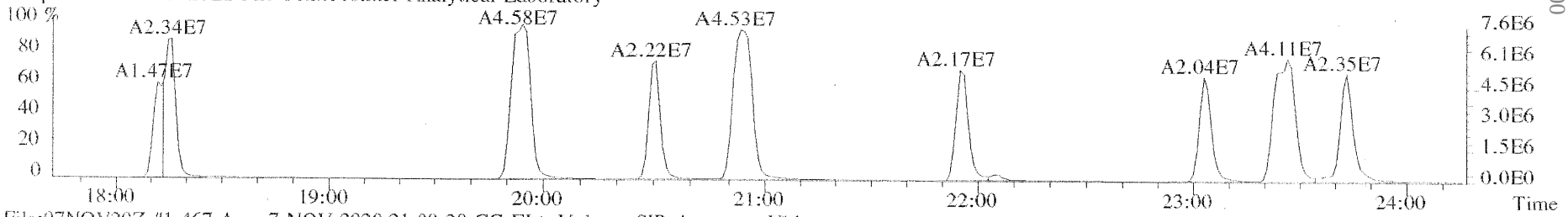
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



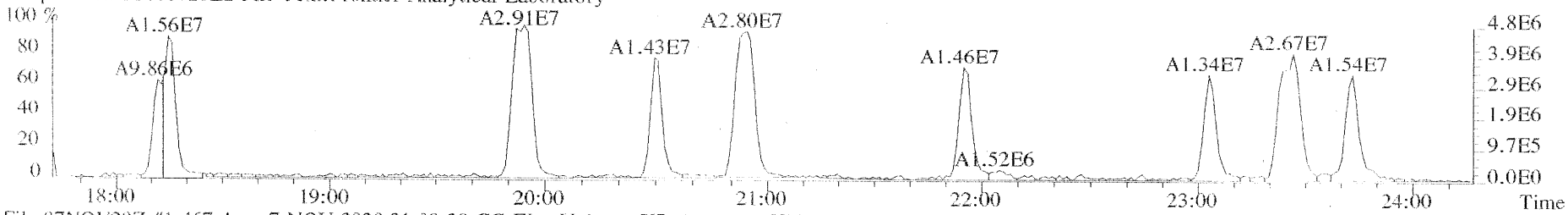
File:07NOV20Z #1-783 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:15 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



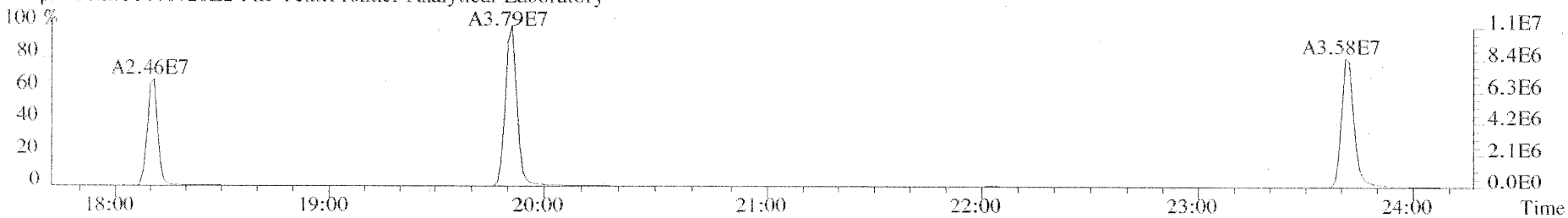
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



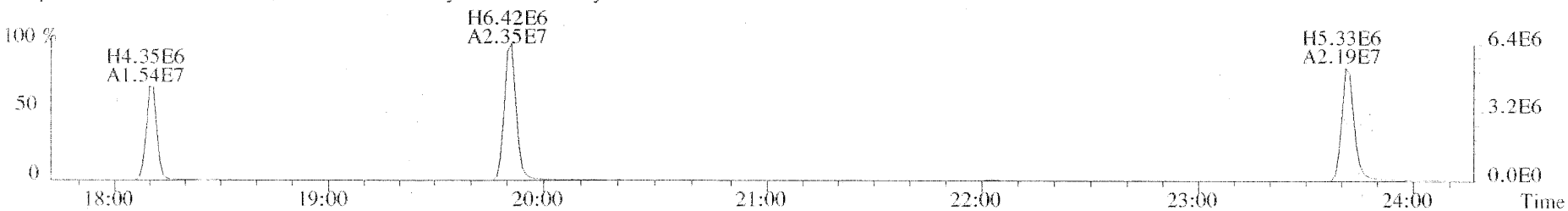
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



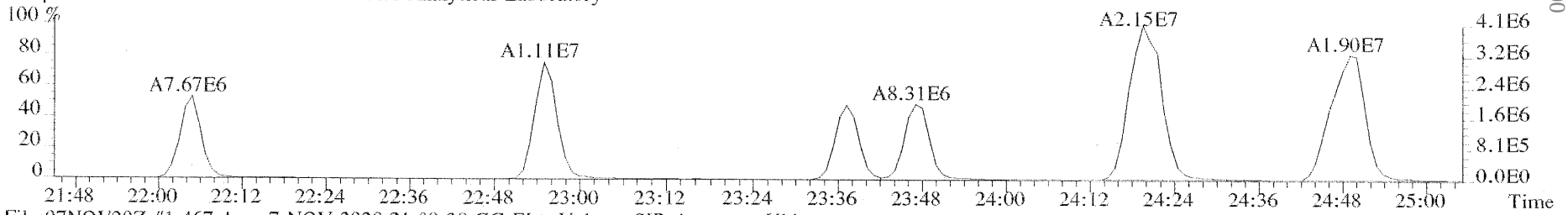
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



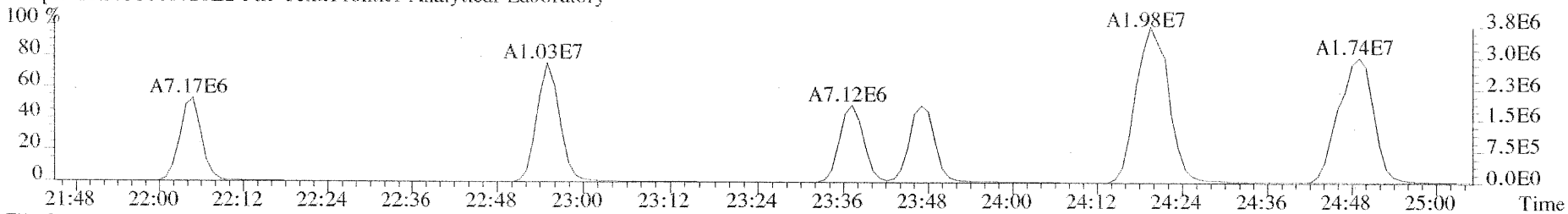
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:15 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



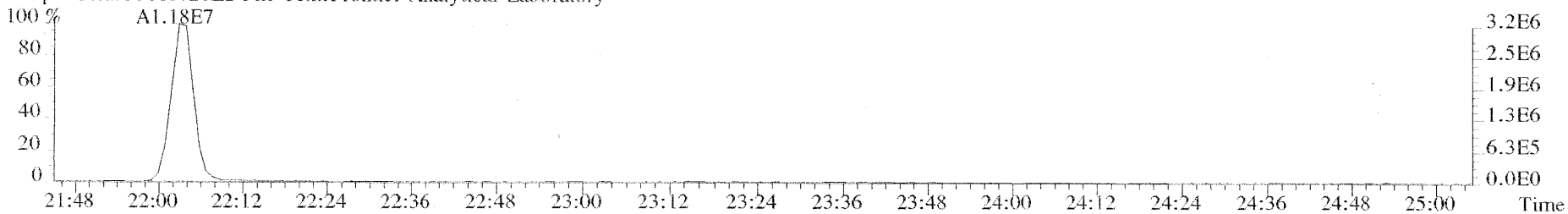
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



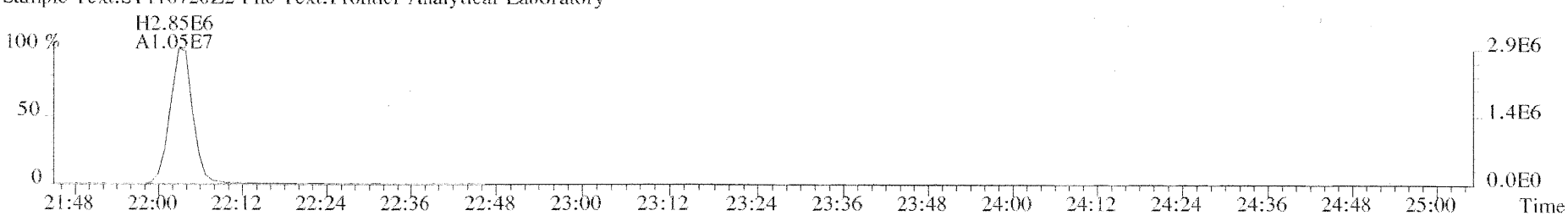
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



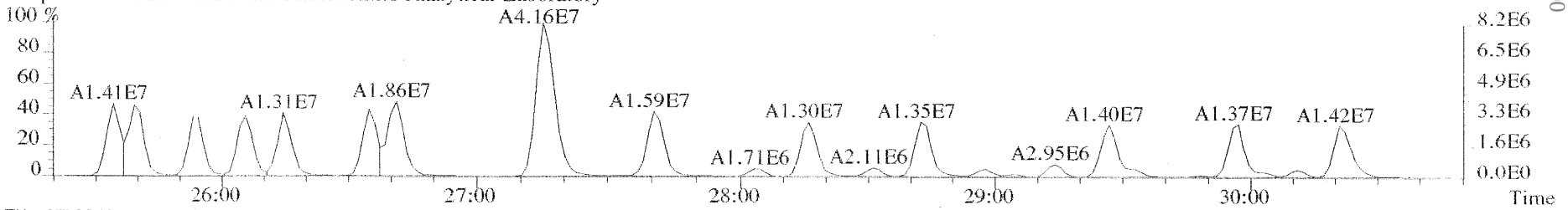
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



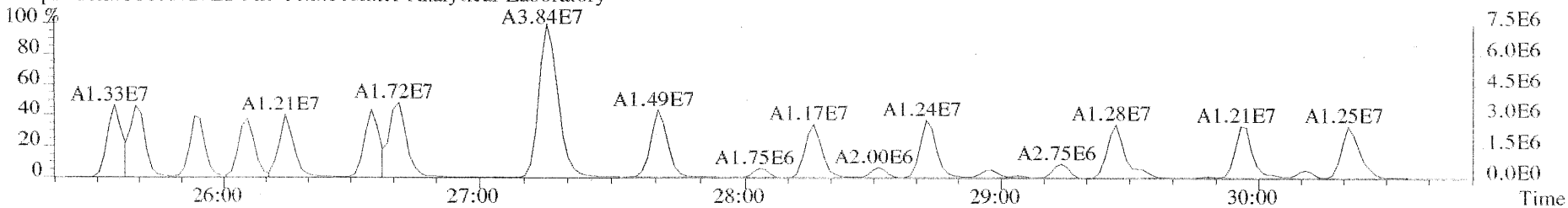
File:07NOV20Z #1-467 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



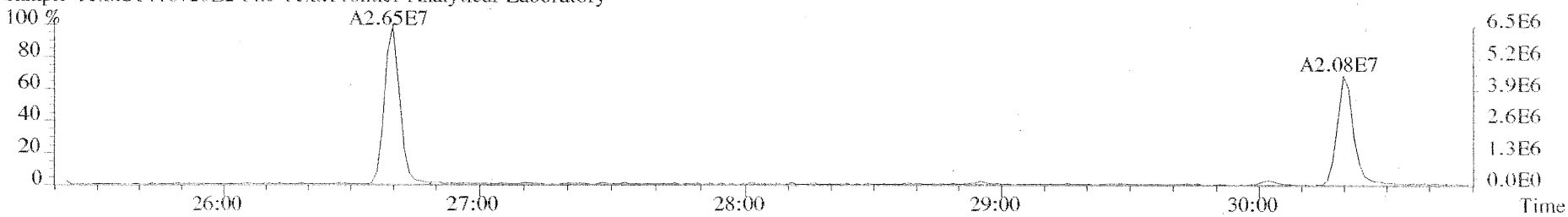
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



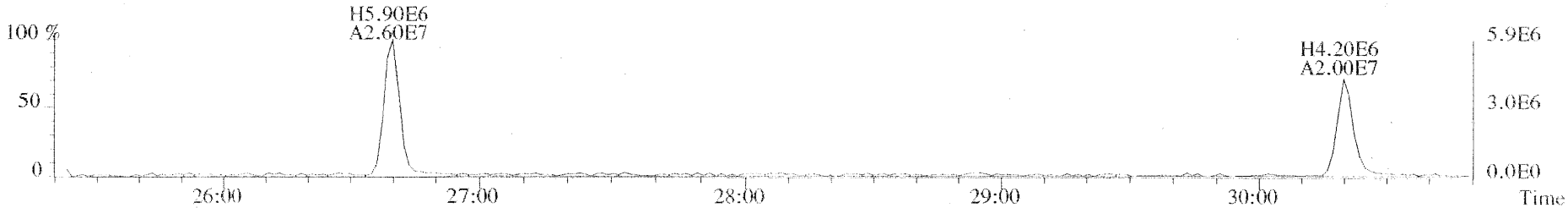
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



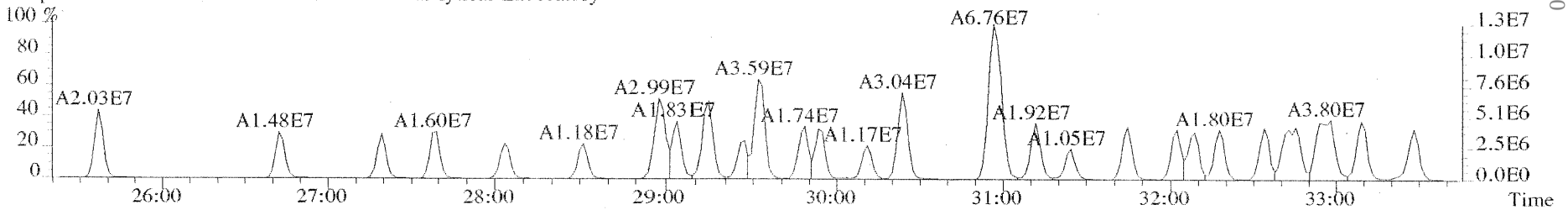
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



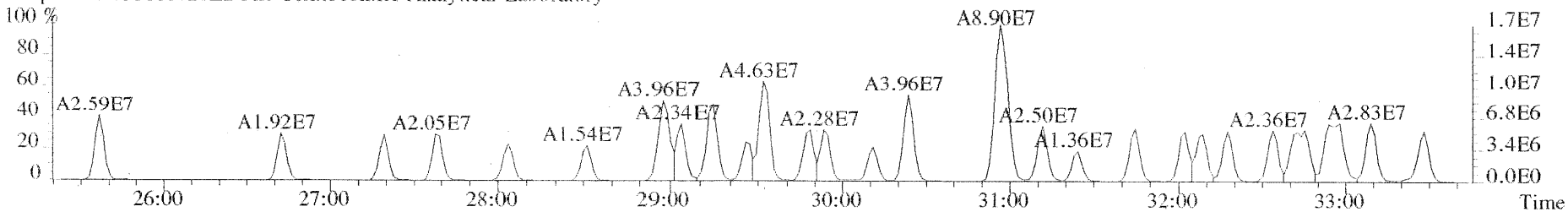
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



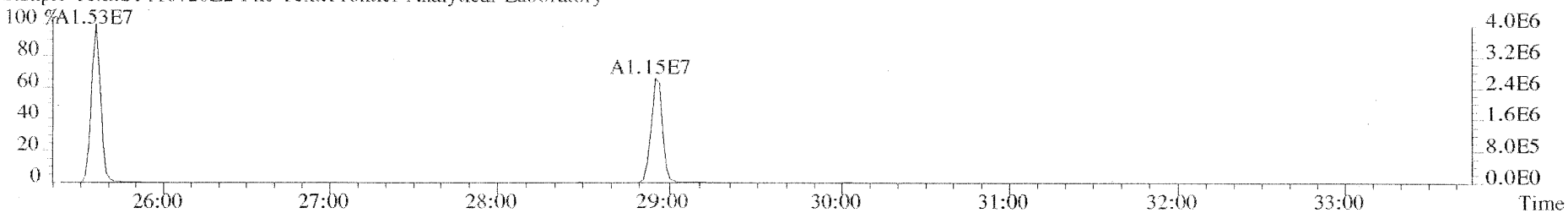
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



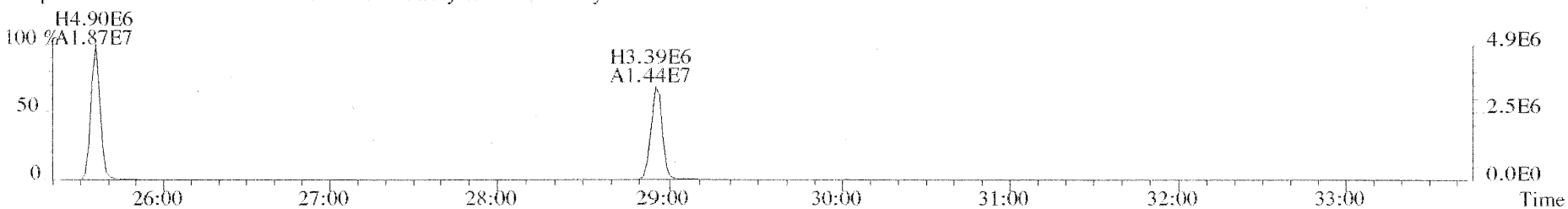
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



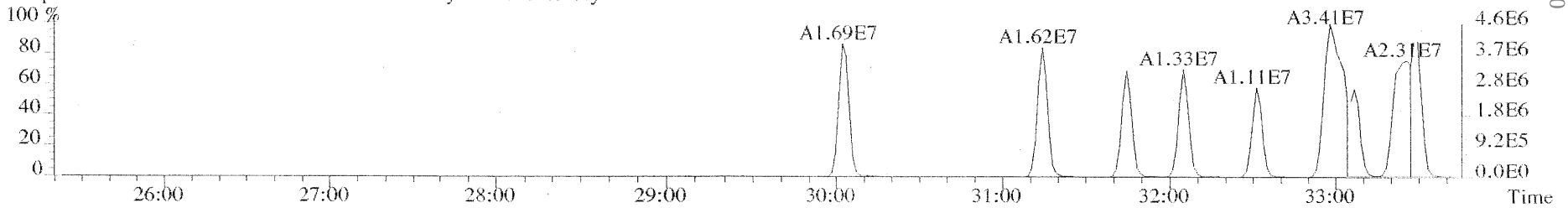
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



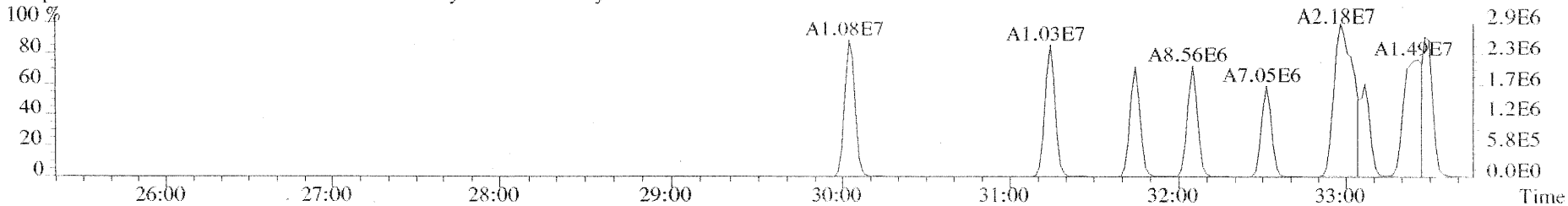
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



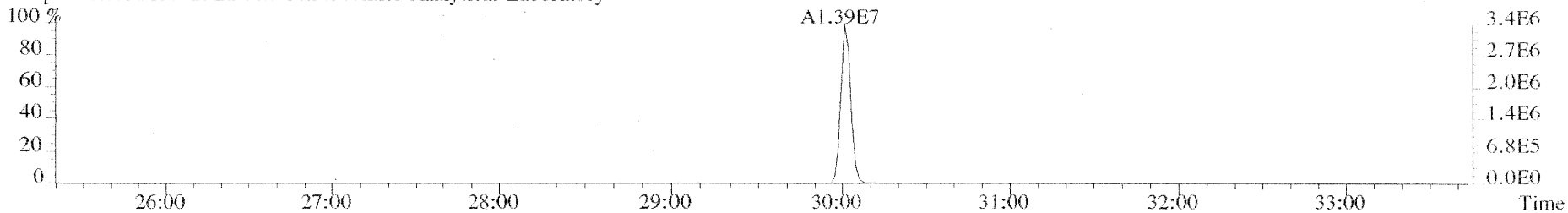
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



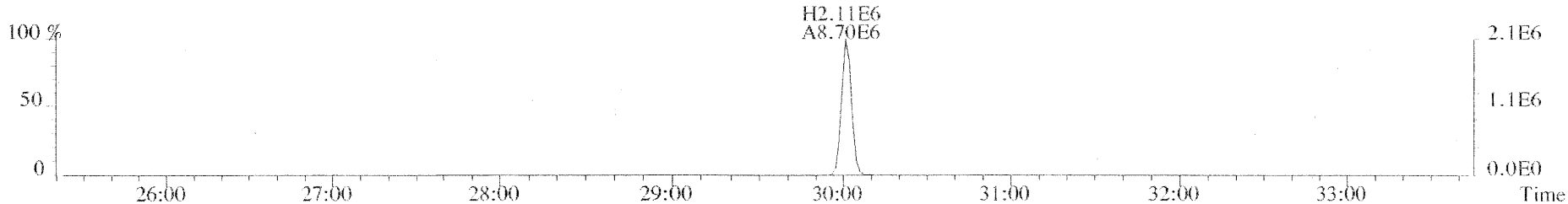
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



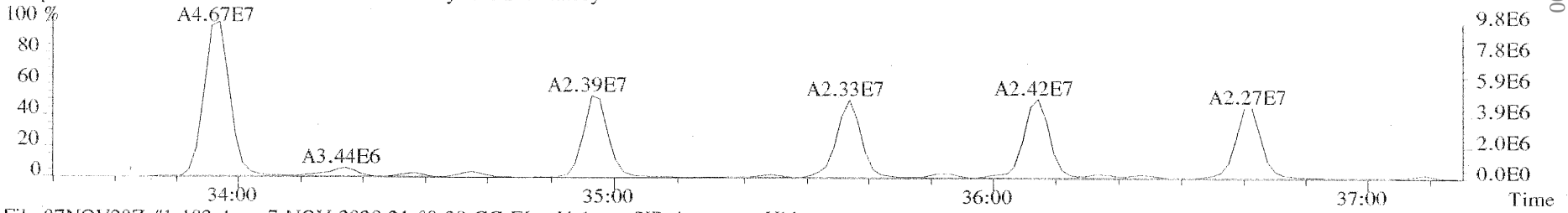
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



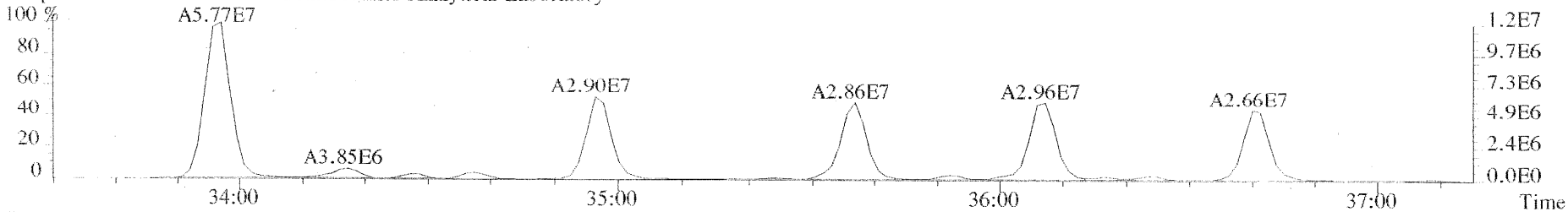
File:07NOV20Z #1-397 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



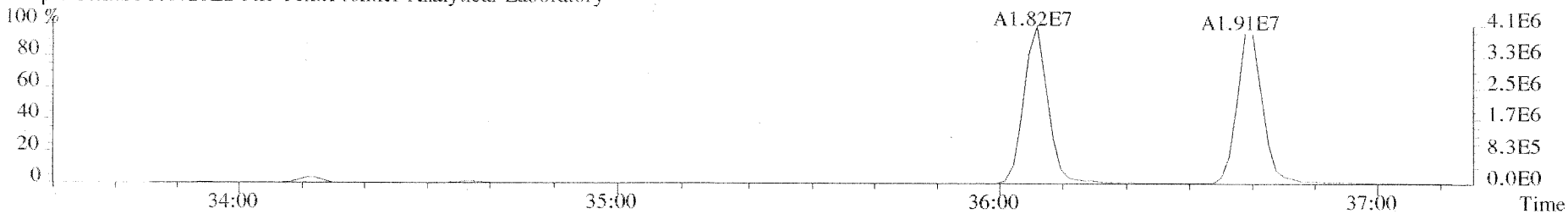
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



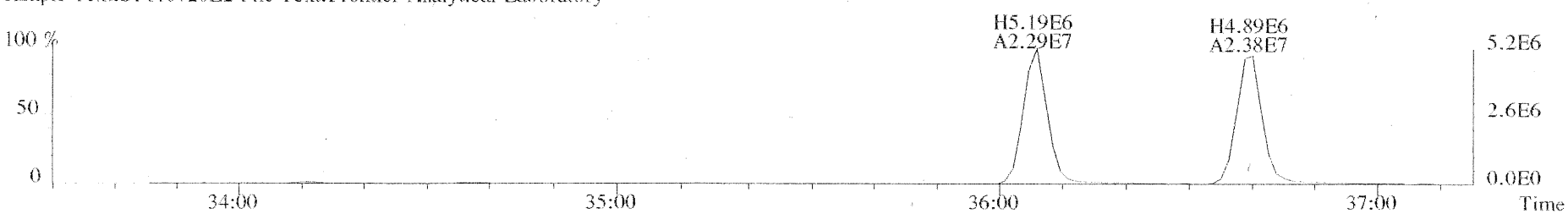
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



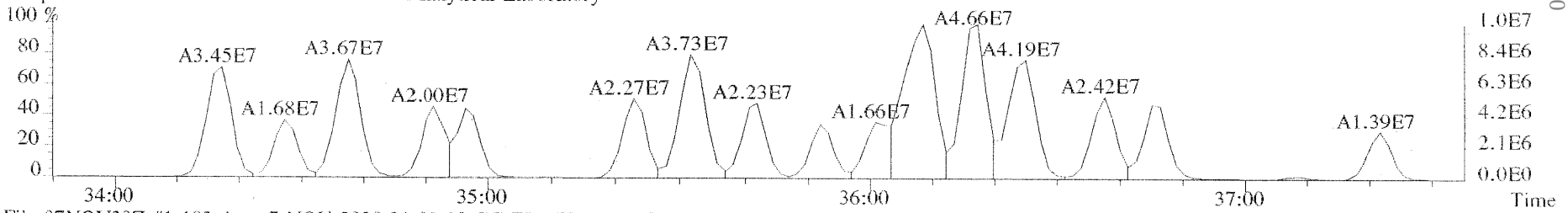
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



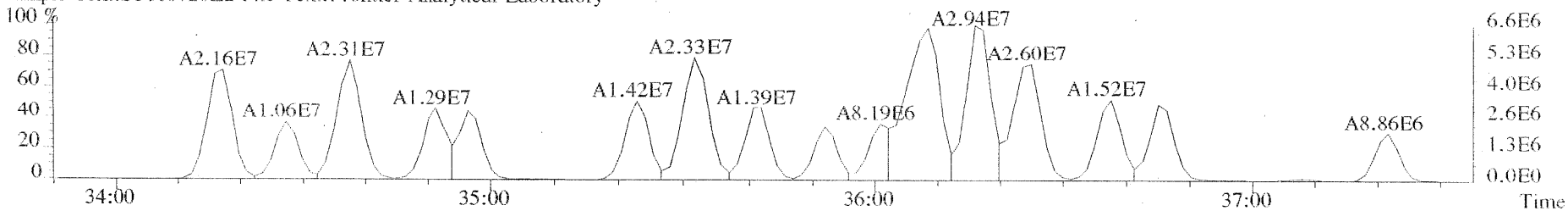
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



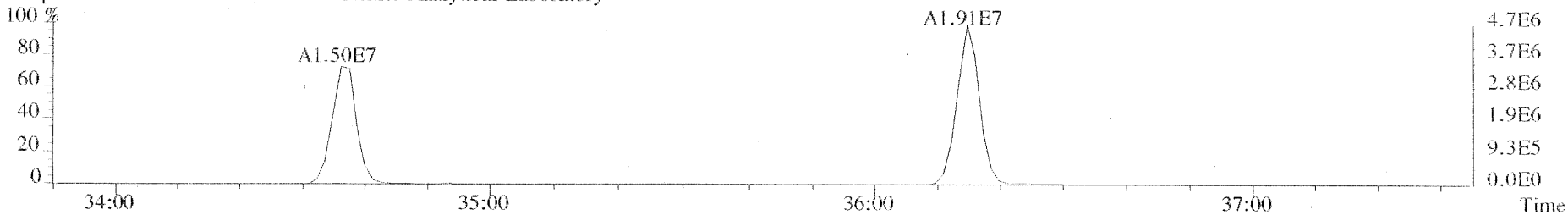
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



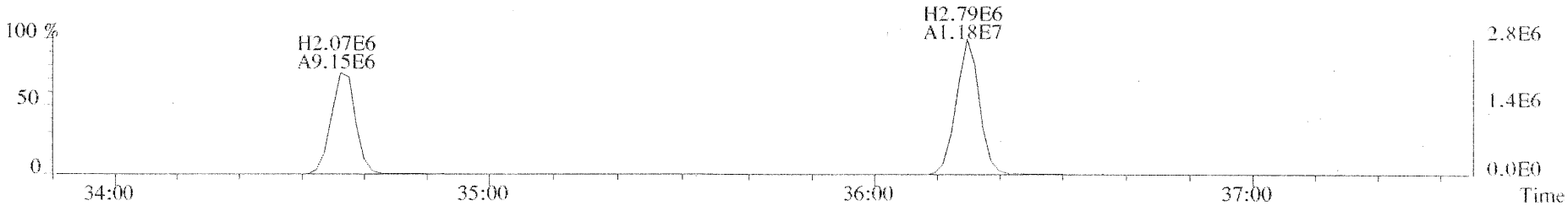
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



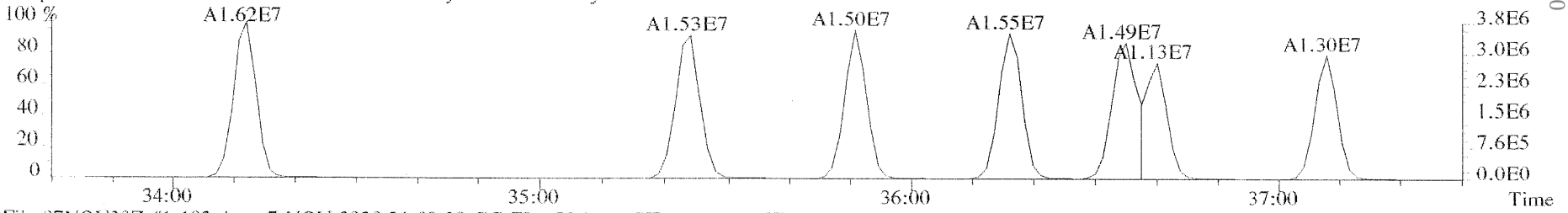
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



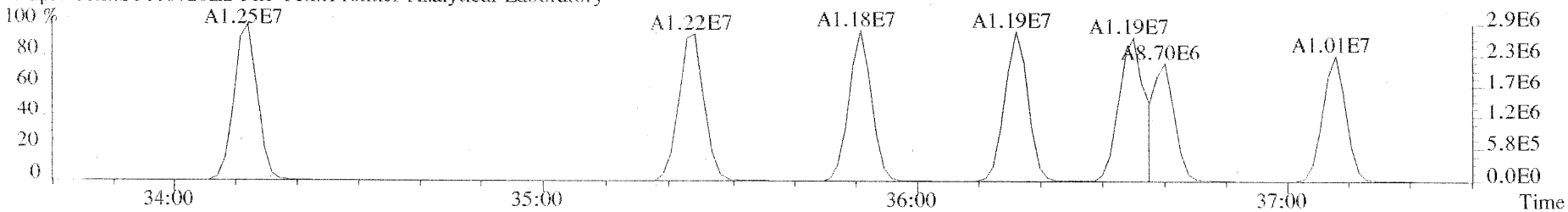
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



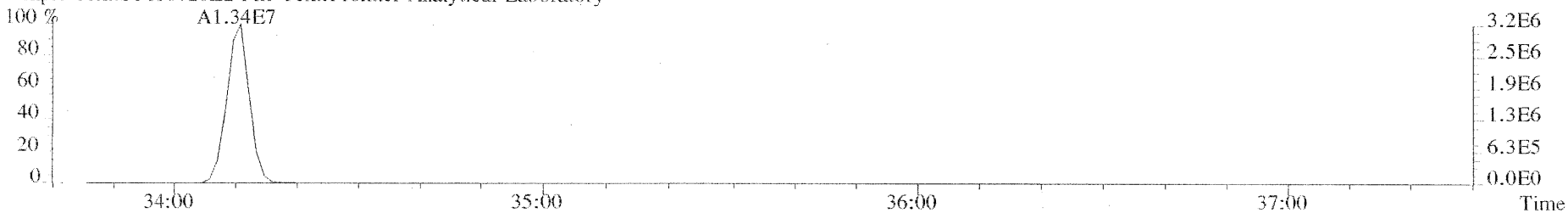
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



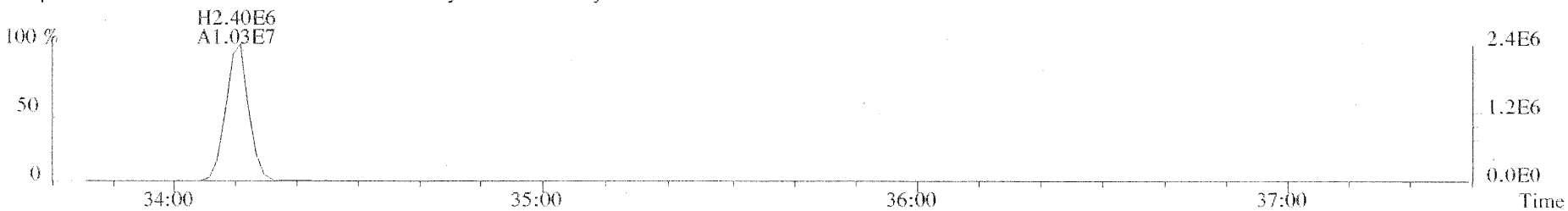
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



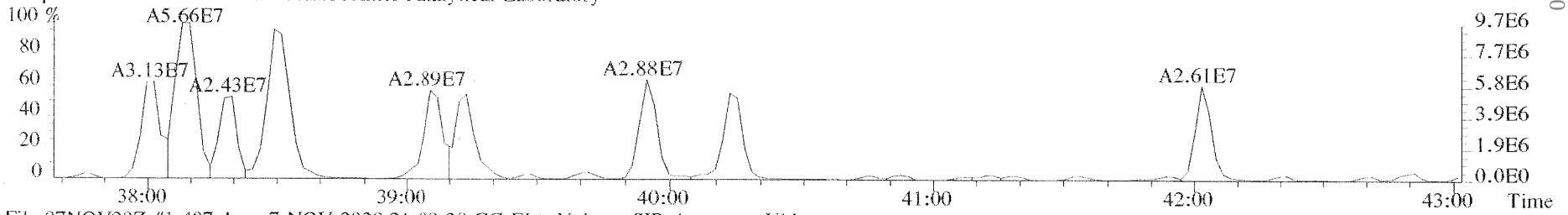
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



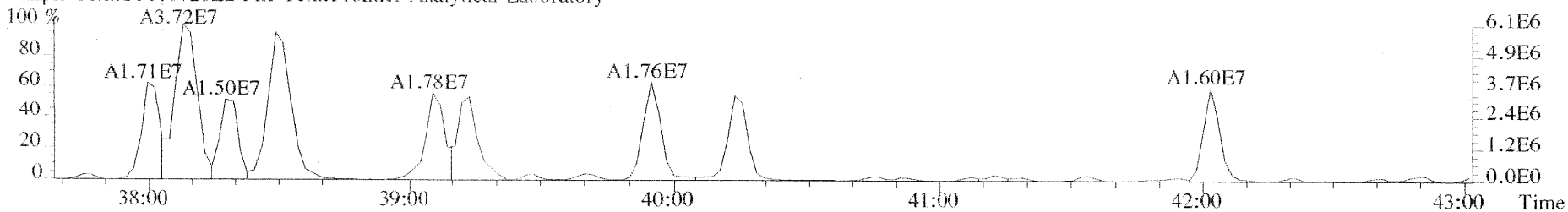
File:07NOV20Z #1-183 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



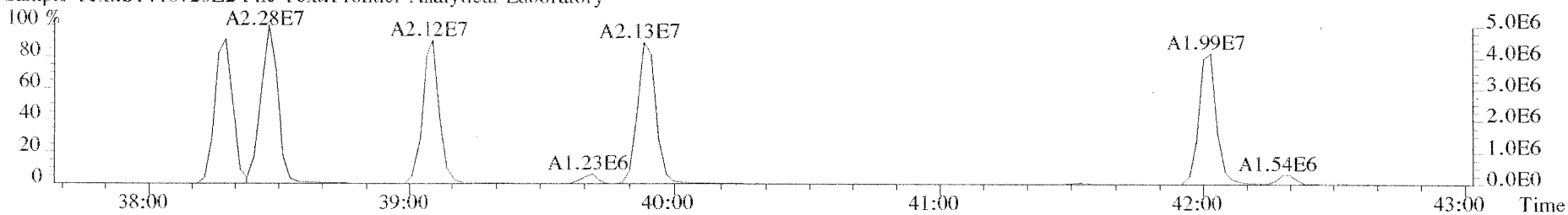
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



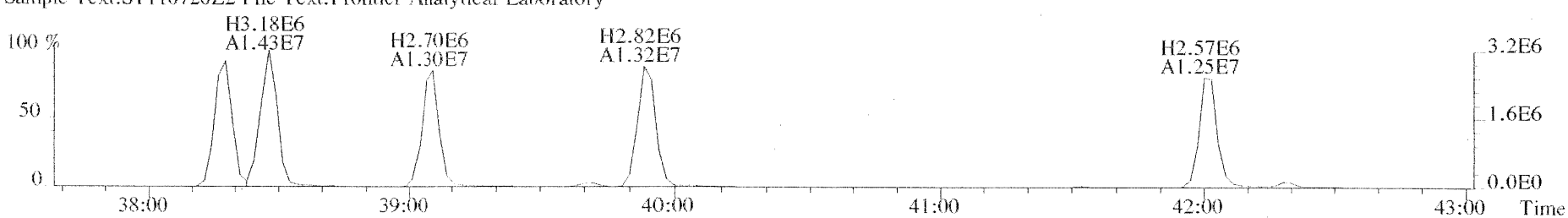
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



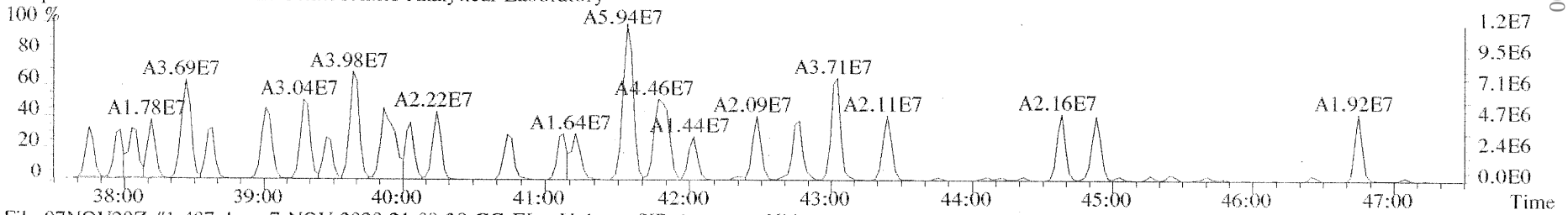
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



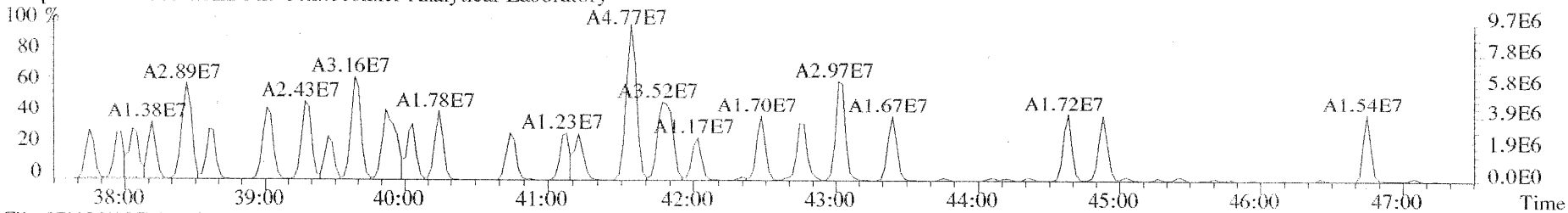
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:15 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



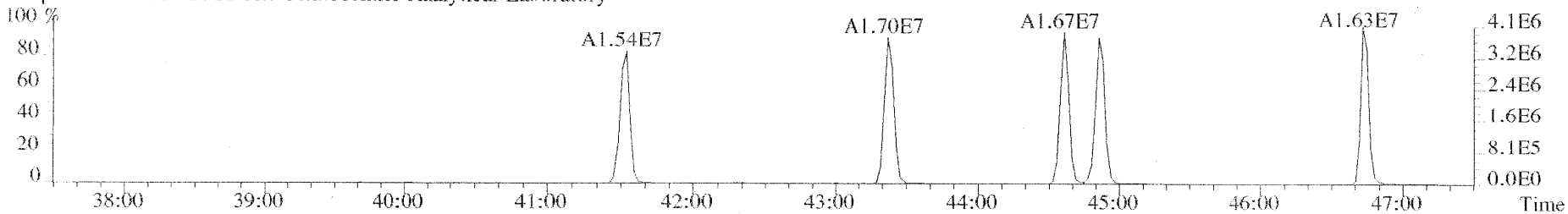
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



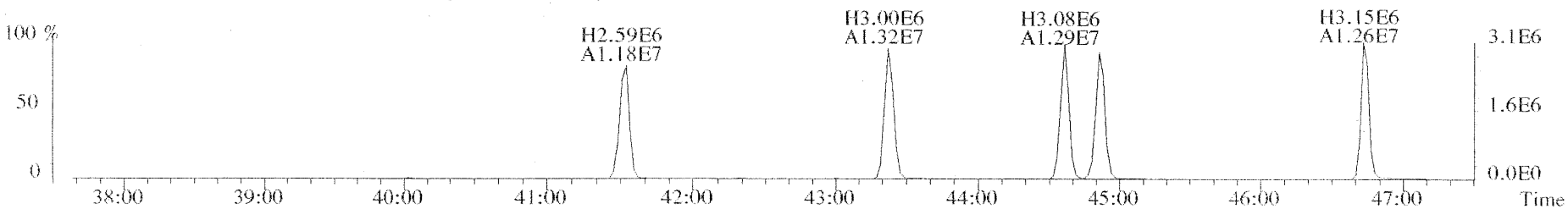
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



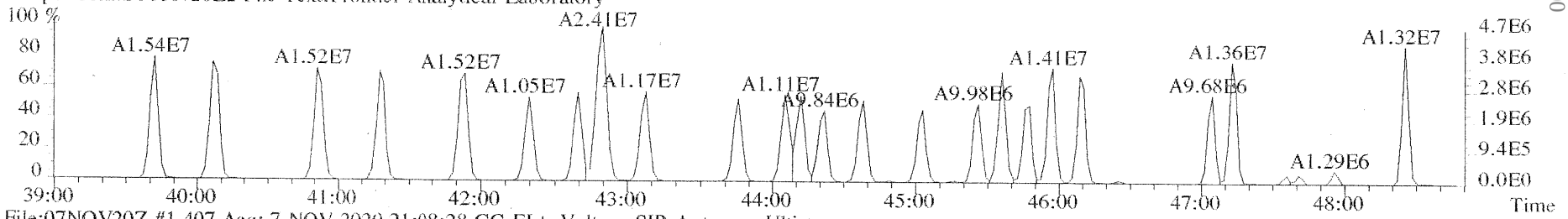
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



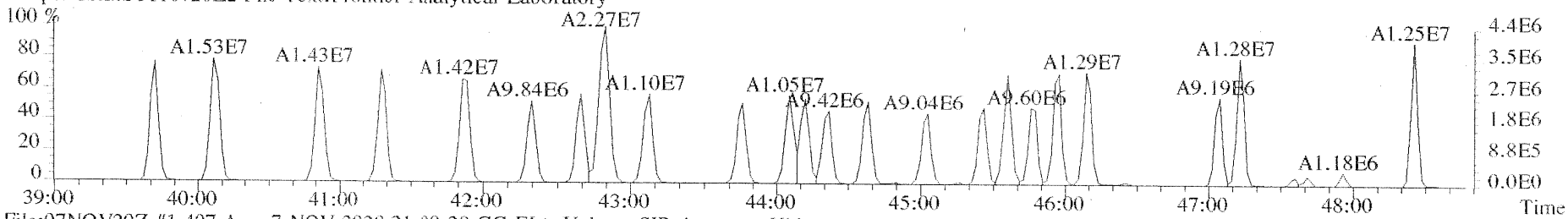
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



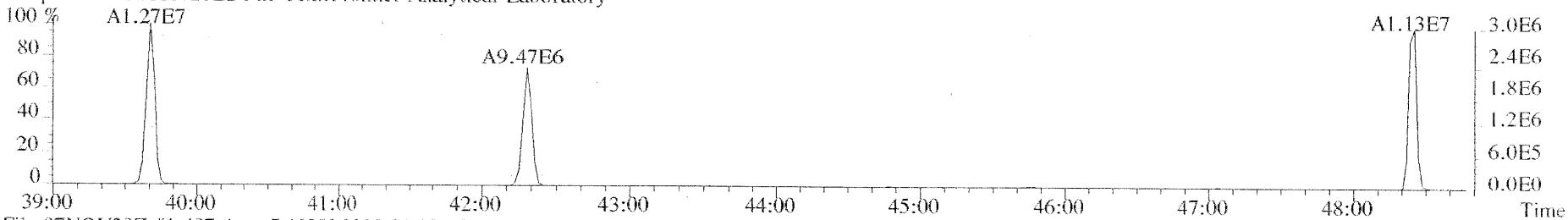
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



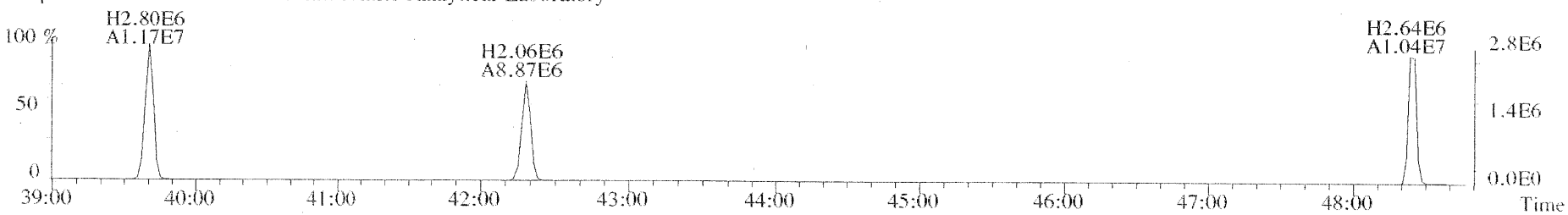
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



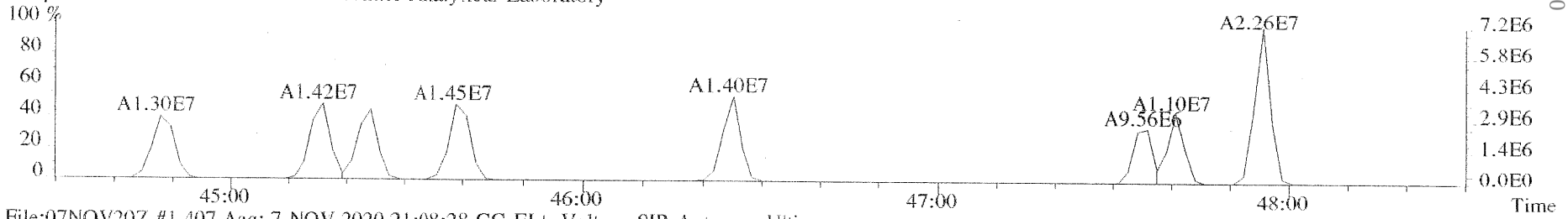
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



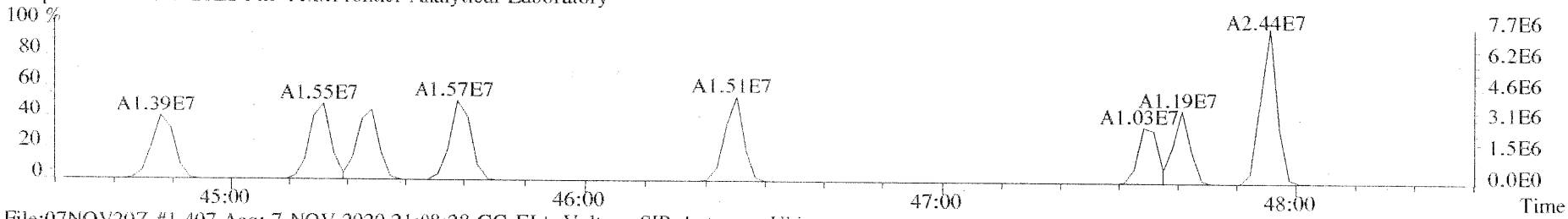
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



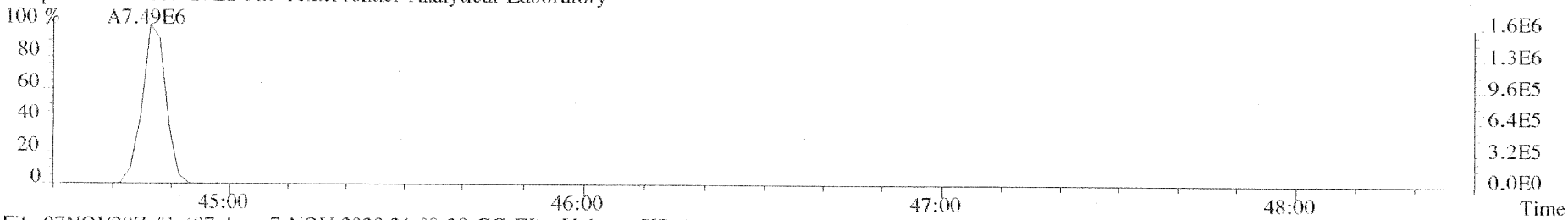
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



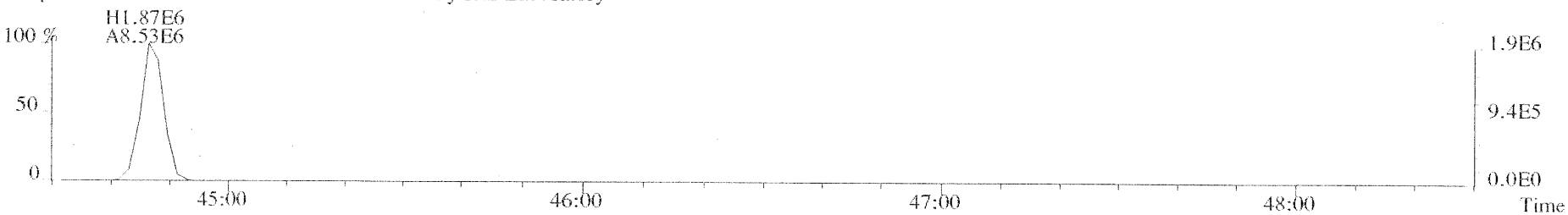
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



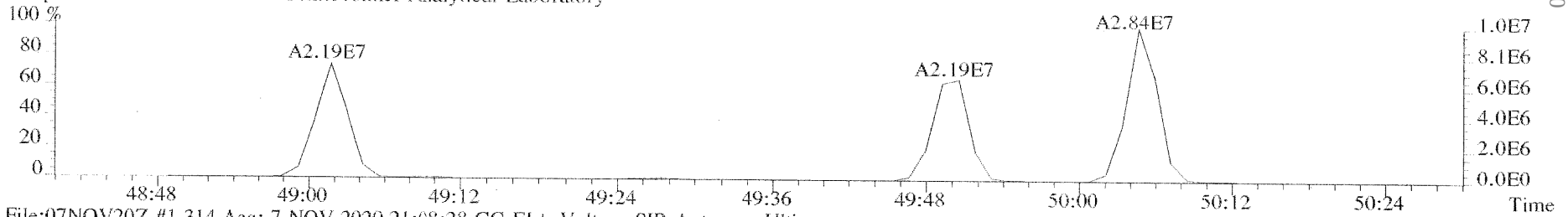
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



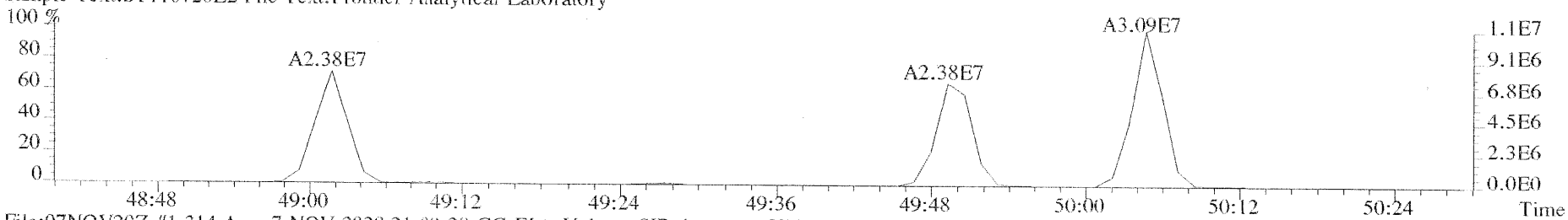
File:07NOV20Z #1-407 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



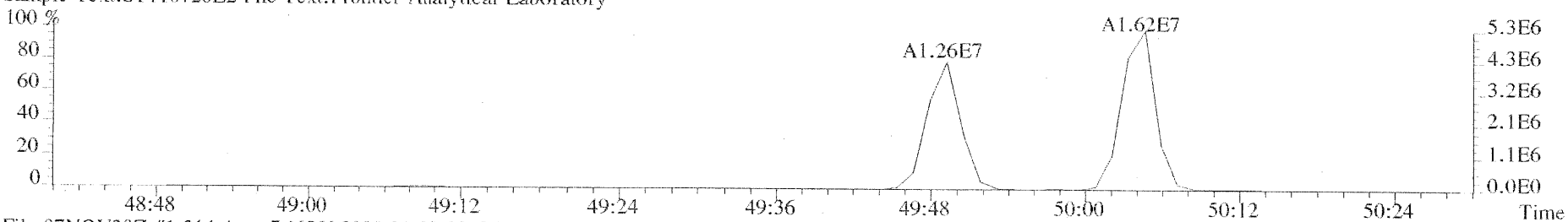
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



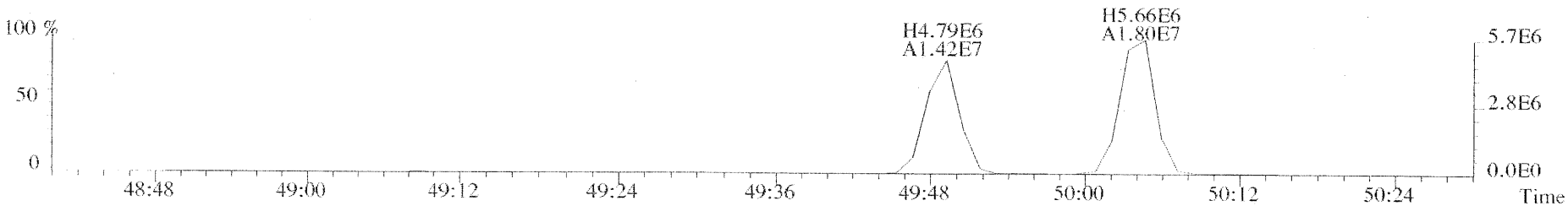
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



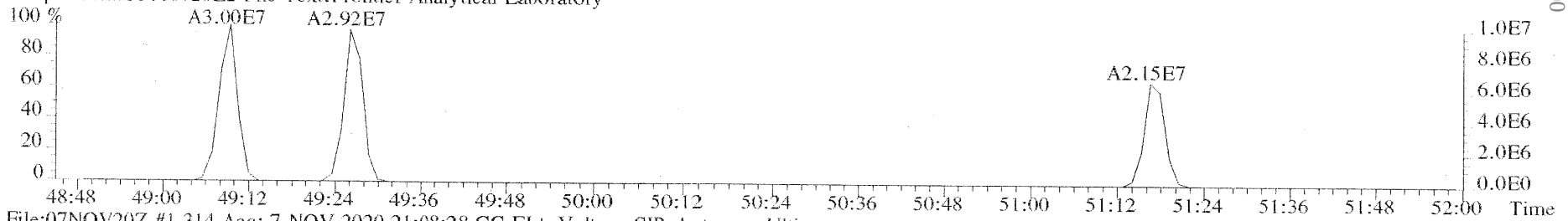
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



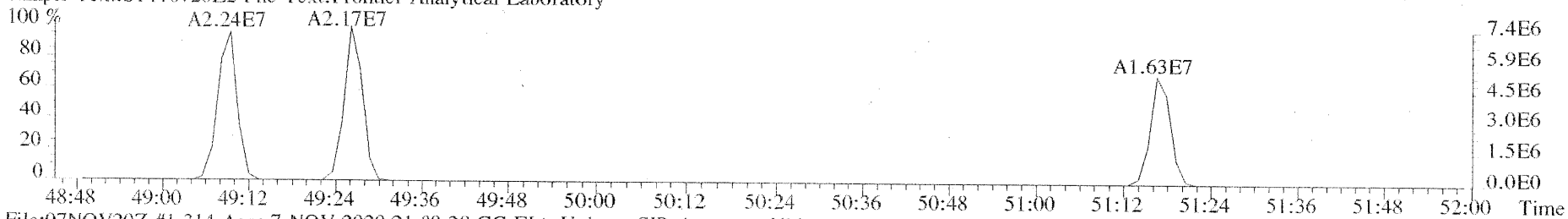
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



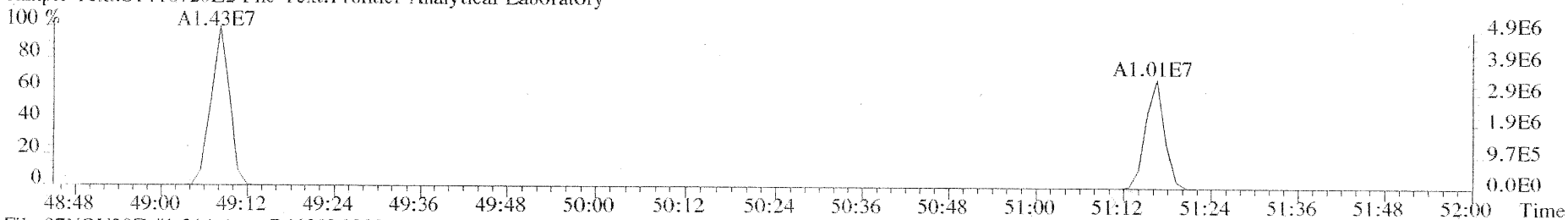
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



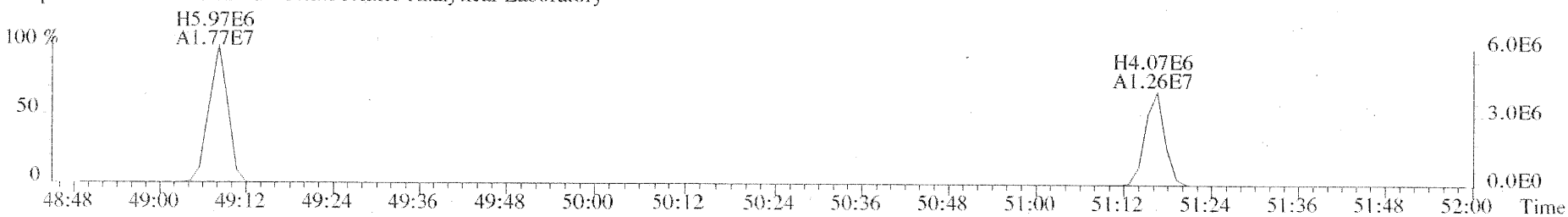
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



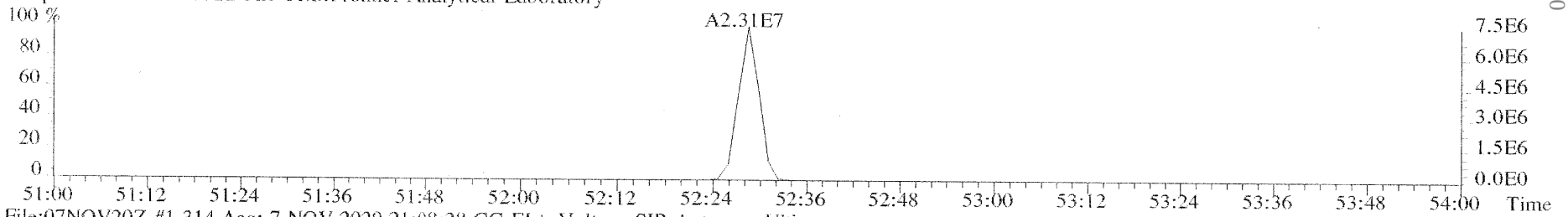
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



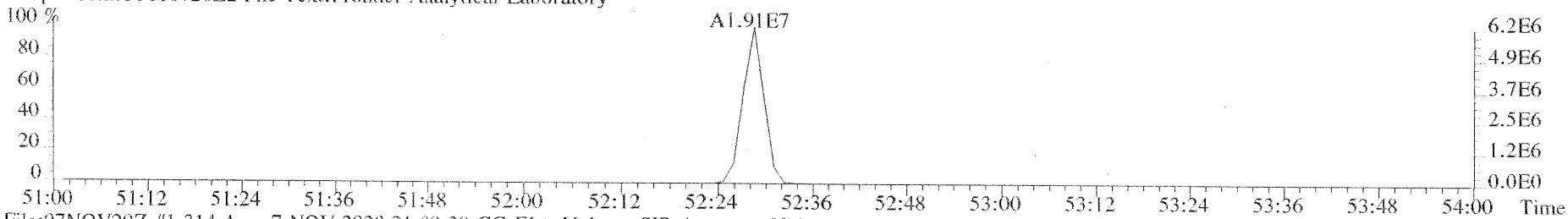
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



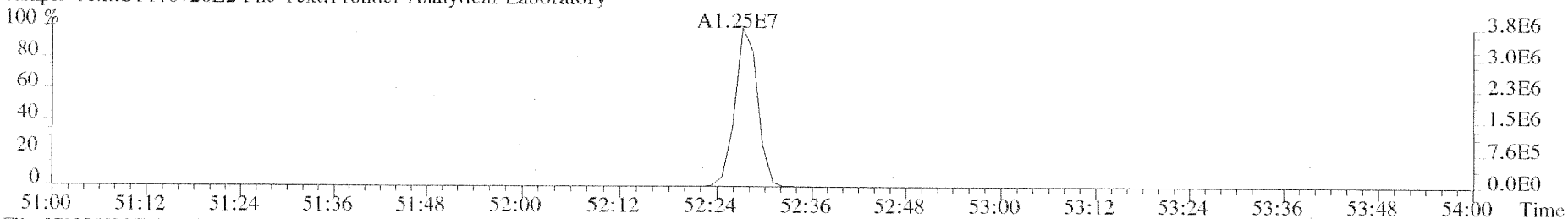
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



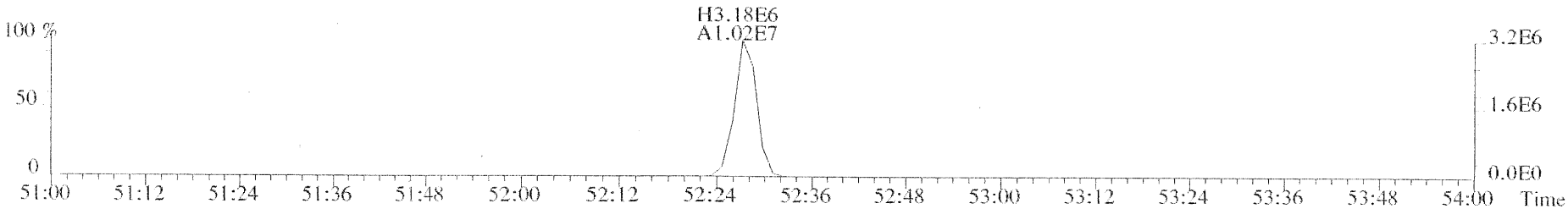
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory



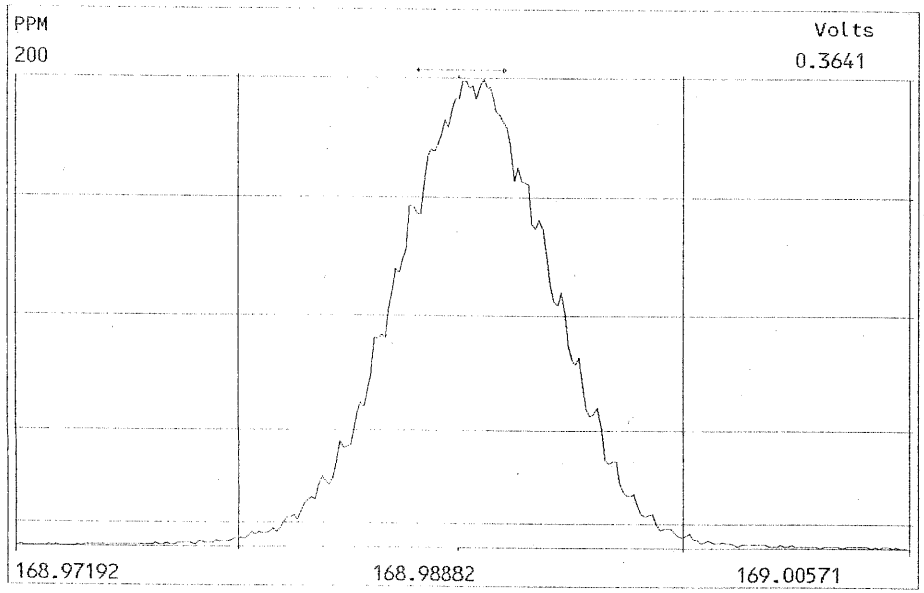
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

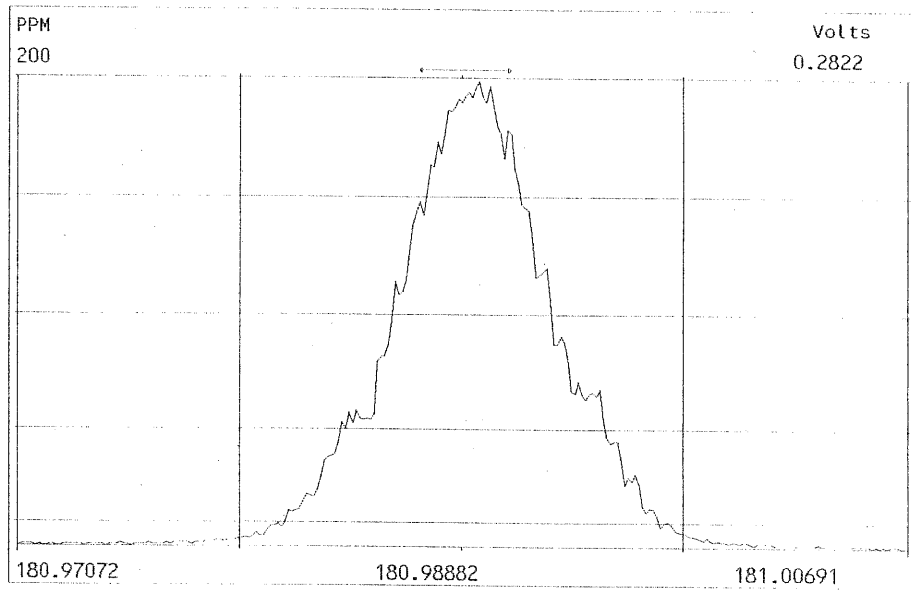


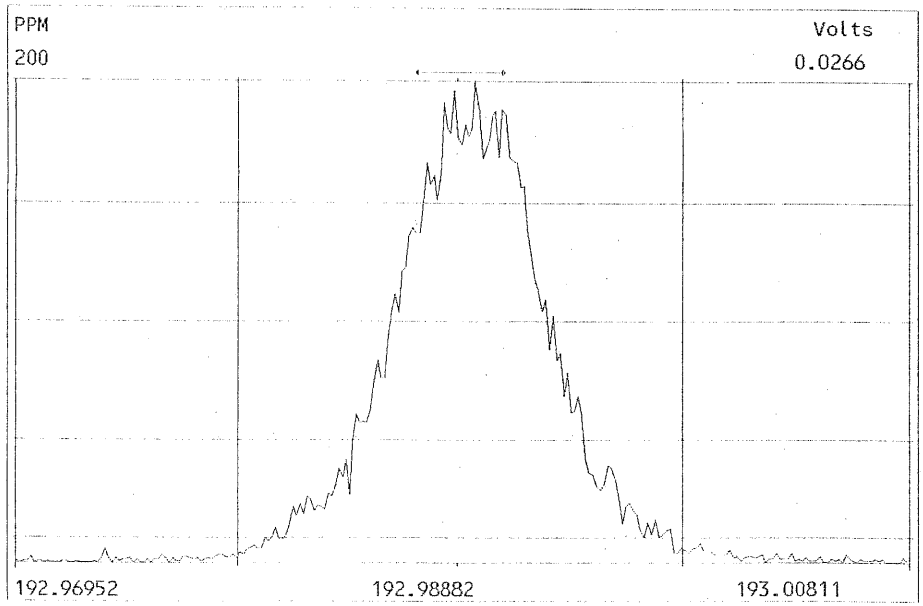
File:07NOV20Z #1-314 Acq: 7-NOV-2020 21:08:28 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:15 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110720Z2 File Text:Frontier Analytical Laboratory

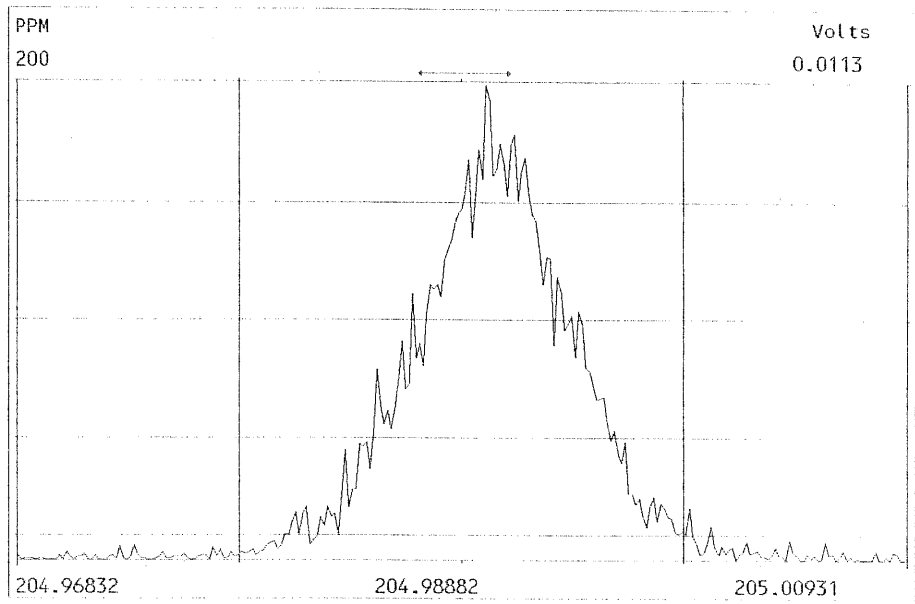


Peak Locate Examination: 7-NOV-2020:22:35 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



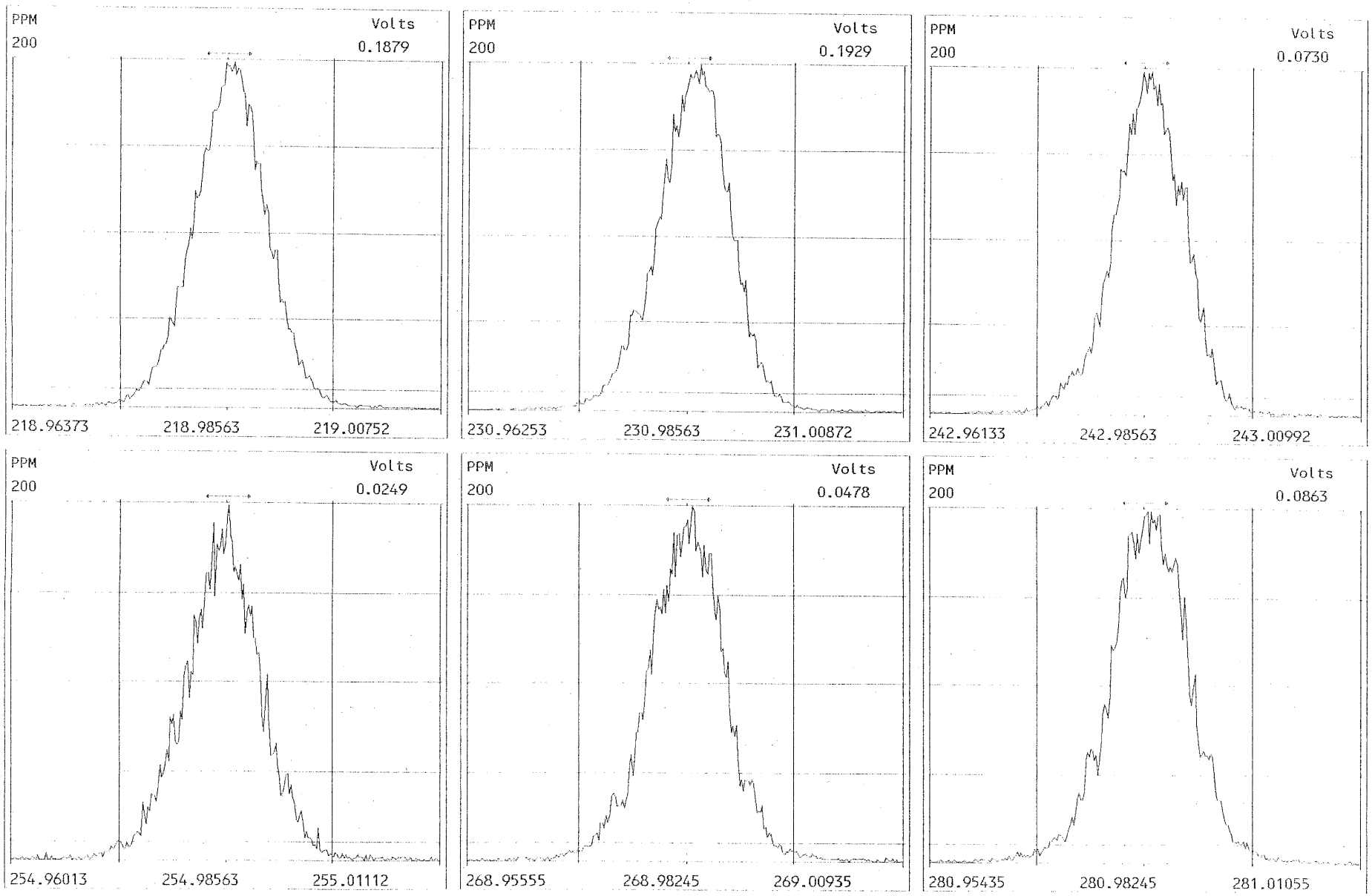




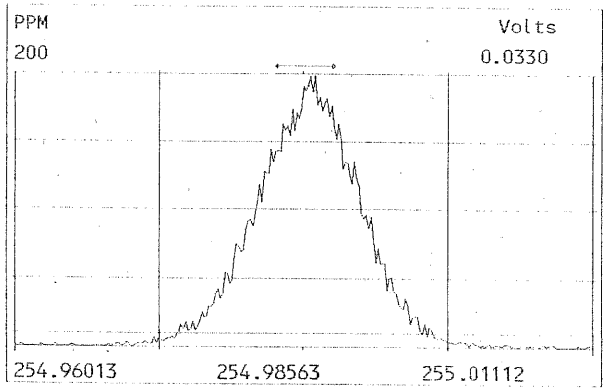


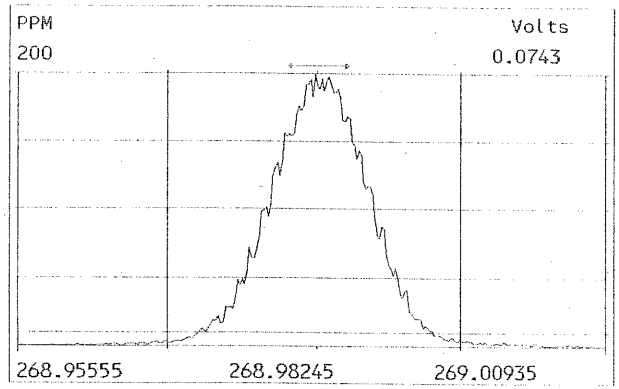
Peak Locate Examination: 7-NOV-2020:22:38 File:07NOV20Z_RES_CHECK

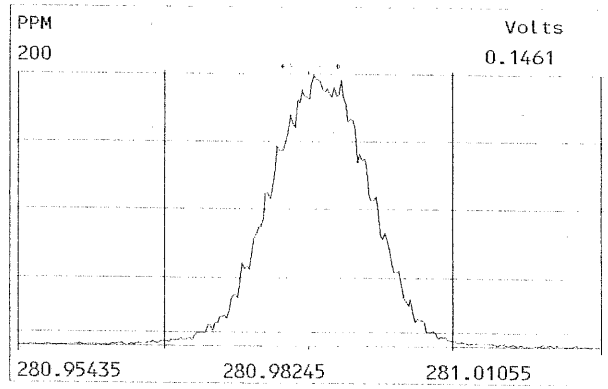
Experiment:1668PCB Function:2 Reference:PFK

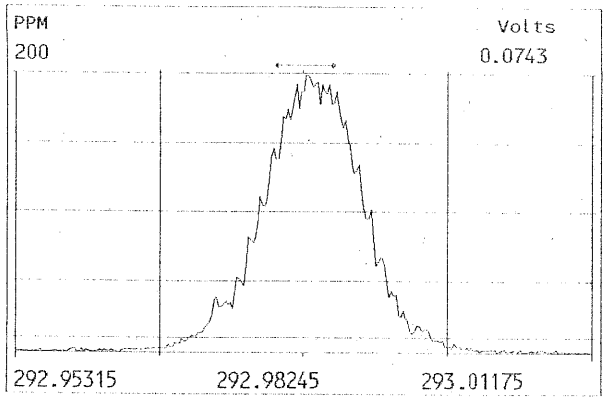


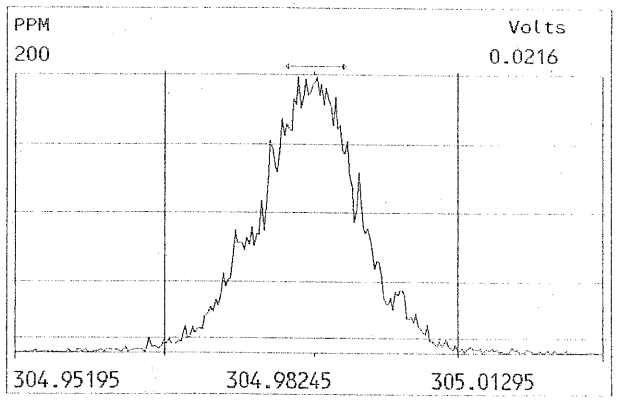
Peak Locate Examination: 7-NOV-2020:22:40 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

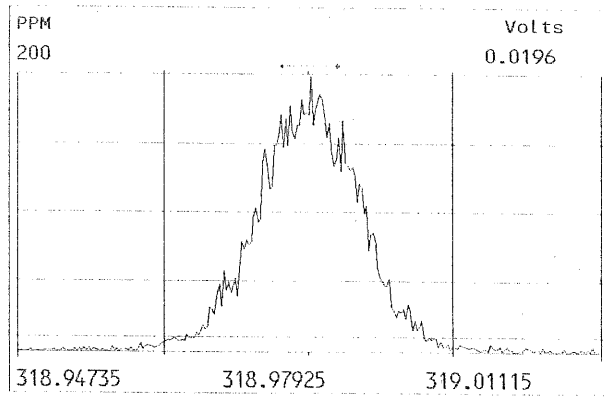


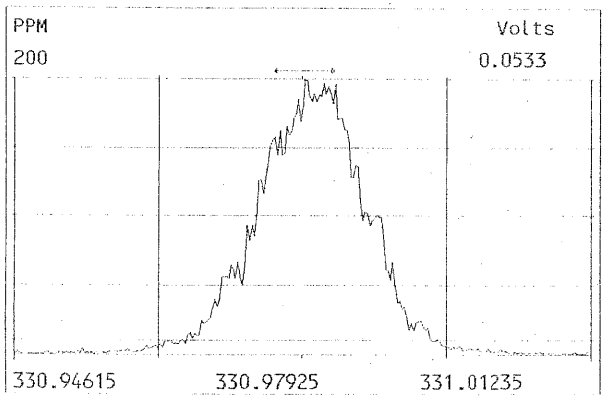


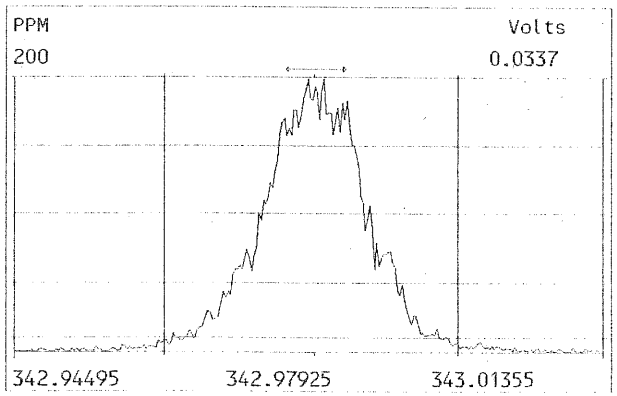






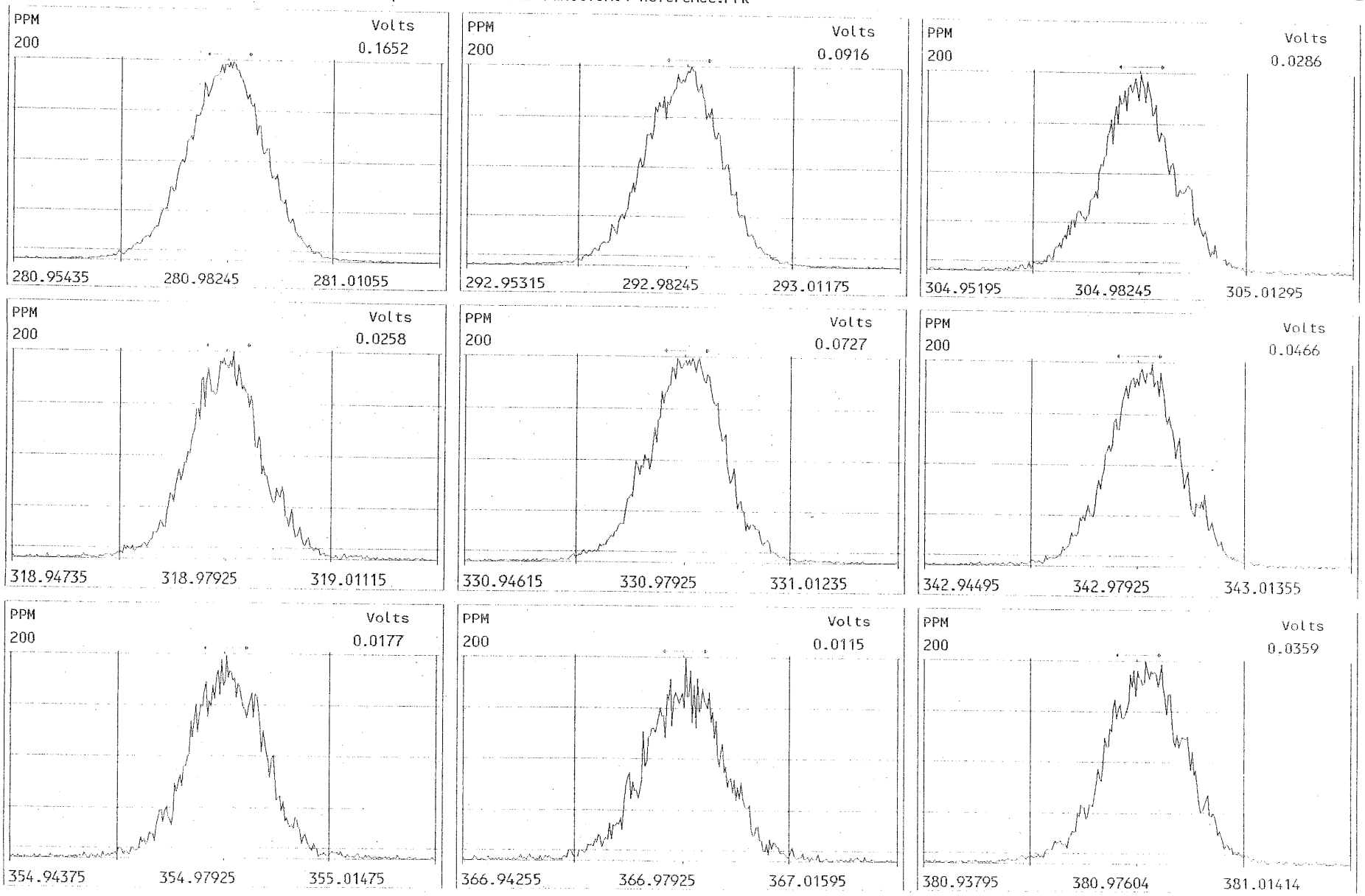




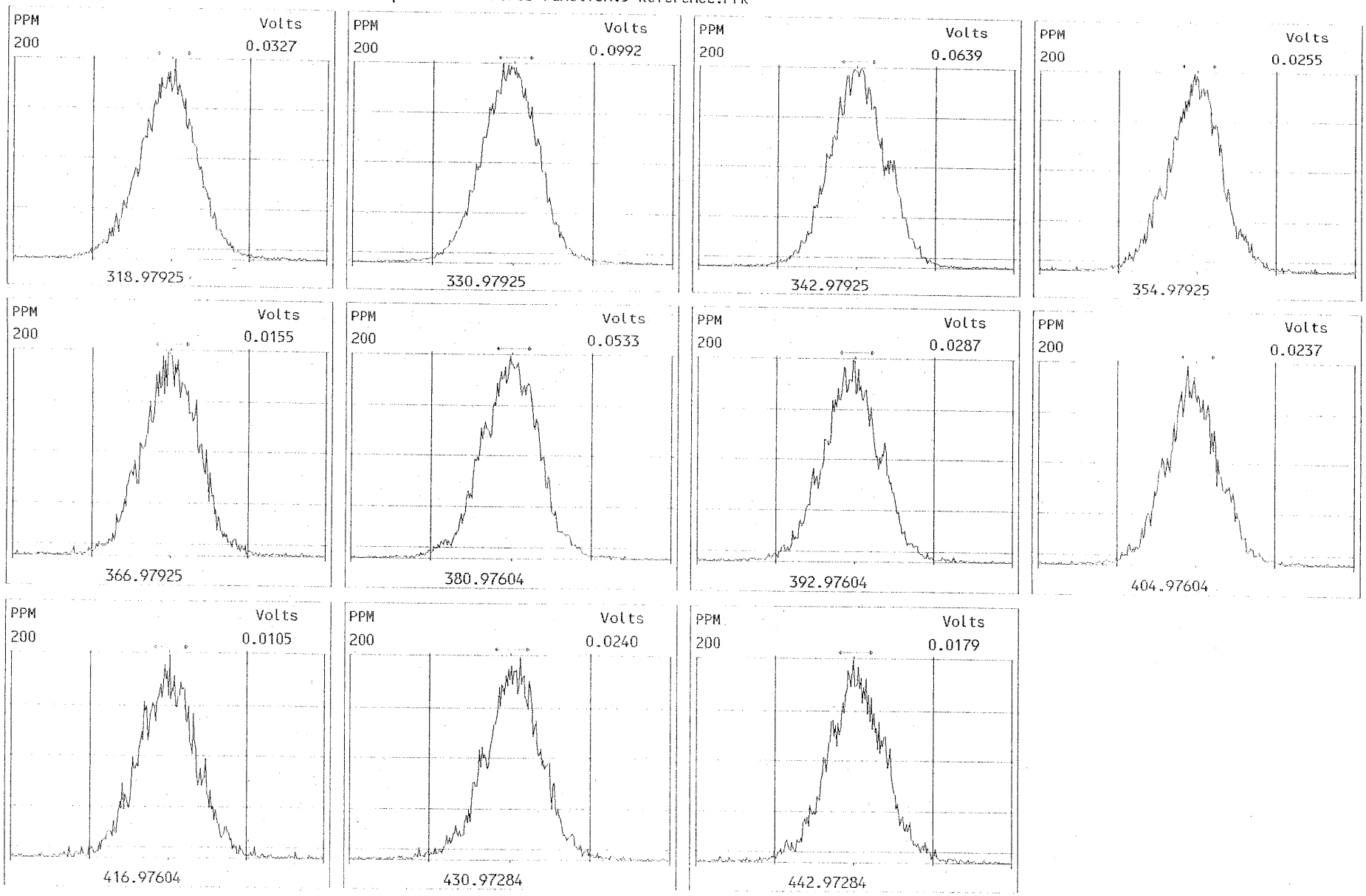


Peak Locate Examination: 7-NOV-2020:22:42 File:07NOV20Z_RES_CHECK

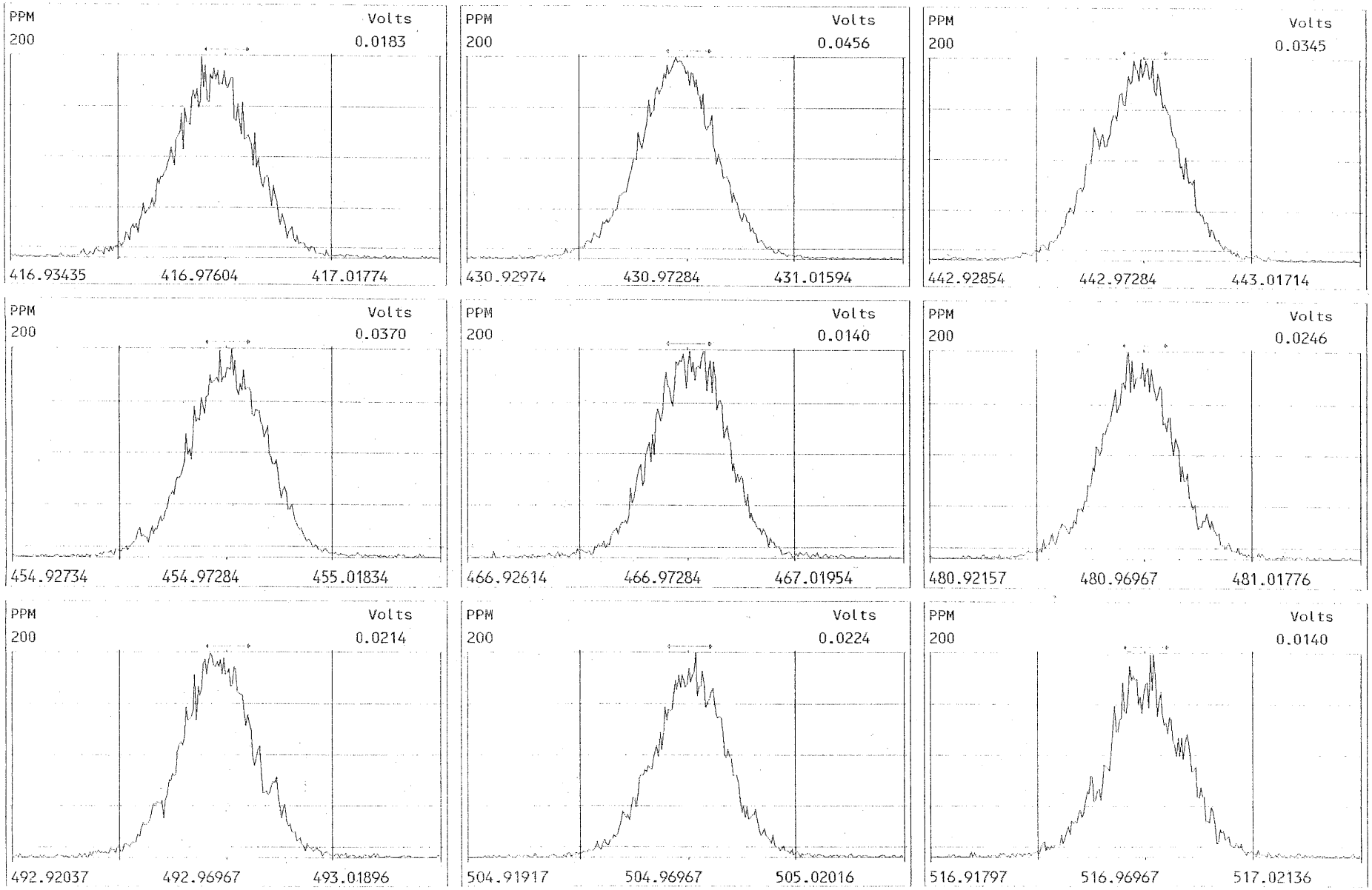
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination: 7-NOV-2020:22:45 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination: 7-NOV-2020:22:47 File:07NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK



Cal: DAILY209FAL4-11-9-20

Run: 09NOV20Z Analyte: DAILY209FAL4-11-9-20 Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:09NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2919	-	1.29	
13C-PCB-1	0.8313	-	0.83	
PCB-2	1.2826	-	1.28	
PCB-3	1.2632	-	1.26	
13C-PCB-3	0.7993	-	0.80	
PCB-4	1.0942	-	1.09	
PCB-10	1.5005	-	1.50	
13C-PCB-4	0.6566	-	0.66	
PCB-9	1.4094	-	1.41	
PCB-7	1.4374	-	1.44	
PCB-6	1.3808	-	1.38	
PCB-8	1.3748	-	1.37	
PCB-5	1.4260	-	1.43	
PCB-14	1.4288	-	1.43	
PCB-11	1.3371	-	1.34	
PCB-13	1.3239	-	1.32	
PCB-12	1.3489	-	1.35	
PCB-15	1.1952	-	1.20	
13C-PCB-15	0.9880	-	0.99	
PCB-19	1.2061	-	1.21	
PCB-30	1.8924	-	1.89	
PCB-18	1.2848	-	1.28	
PCB-17	1.3766	-	1.38	
PCB-27	1.7238	-	1.72	
PCB-24	1.7820	-	1.78	
PCB-16	1.5347	-	1.53	
PCB-32	1.6013	-	1.60	
13C-PCB-19	0.4594	-	0.46	
13C-PCB-9	-	-	-	
PCB-34	1.2553	-	1.26	
PCB-23	1.3614	-	1.36	
PCB-29	1.3339	-	1.33	
PCB-26	1.2720	-	1.27	
PCB-25	1.2276	-	1.23	
PCB-31	1.1934	-	1.19	
PCB-28	1.5747	-	1.57	
PCB-20	1.2590	-	1.26	Co-elute PCB 21/33
PCB-21	1.2590	-	1.26	Co-elute PCB 20/33
PCB-33	1.2590	-	1.26	Co-elute PCB 20/21
PCB-22	1.3597	-	1.36	
PCB-36	1.2894	-	1.29	
PCB-39	1.3059	-	1.31	
PCB-38	1.2466	-	1.25	
PCB-35	1.2018	-	1.20	
PCB-37	1.2766	-	1.28	
13C-PCB-37	1.6905	-	1.69	

PCB-54	1.2706	-	1.27	
PCB-50	0.9746	-	0.97	
PCB-53	0.9433	-	0.94	
PCB-51	0.9415	-	0.94	
PCB-45	0.8099	-	0.81	
PCB-46	0.7684	-	0.77	
PCB-52	1.0407	-	1.04	Co-elute PCB 69
PCB-69	1.0407	-	1.04	Co-elute PCB 52
PCB-73	1.1174	-	1.12	
PCB-43	0.8928	-	0.89	Co-elute PCB 49
PCB-49	0.8928	-	0.89	Co-elute PCB 43
PCB-47	0.9426	-	0.94	
PCB-48	1.1584	-	1.16	Co-elute PCB 75
PCB-75	1.1584	-	1.16	Co-elute PCB 48
PCB-65	1.1870	-	1.19	
PCB-62	1.1213	-	1.12	
PCB-44	0.7503	-	0.75	
PCB-42	1.0398	-	1.04	Co-elute PCB 59
PCB-59	1.0398	-	1.04	Co-elute PCB 42
PCB-72	1.1483	-	1.15	Co-elute PCB 41/71/64
PCB-41	1.1483	-	1.15	Co-elute PCB 72/71/64
PCB-71	1.1483	-	1.15	Co-elute PCB 72/41/64
PCB-64	1.1483	-	1.15	Co-elute PCB 72/41/71
PCB-68	1.3280	-	1.33	
PCB-40	0.7223	-	0.72	
PCB-57	1.2602	-	1.26	
PCB-67	1.2413	-	1.24	
PCB-58	1.2642	-	1.26	
PCB-63	1.2494	-	1.25	
PCB-74	1.2469	-	1.25	
PCB-61	1.1443	-	1.14	Co-elute PCB 70
PCB-70	1.1443	-	1.14	Co-elute PCB 61
PCB-76	1.3298	-	1.33	Co-elute PCB 66
PCB-66	1.3298	-	1.33	Co-elute PCB 76
PCB-80	1.5236	-	1.52	
PCB-55	1.2985	-	1.30	
13C-PCB-54	1.2928	-	1.29	
PCB-104	1.1627	-	1.16	
PCB-96	1.0837	-	1.08	
PCB-103	0.9122	-	0.91	
PCB-100	0.9491	-	0.95	
PCB-94	0.7782	-	0.78	
PCB-98	0.7999	-	0.80	Co-elute PCB 102
PCB-102	0.7999	-	0.80	Co-elute PCB 98
PCB-95	0.8887	-	0.89	
PCB-93	0.8599	-	0.86	
PCB-88	0.9108	-	0.91	Co-elute PCB 91
PCB-91	0.9108	-	0.91	Co-elute PCB 88
PCB-121	1.0903	-	1.09	
13C-PCB-104	1.0651	-	1.07	
13C-PCB-28	2.0751	-	2.08	
13C-PCB-52	-	-	-	

PCB-56	1.1963	-	1.20	Co-elute PCB 60
PCB-60	1.1963	-	1.20	Co-elute PCB 56
PCB-79	1.2331	-	1.23	
PCB-78	1.2463	-	1.25	
PCB-81	1.3070	-	1.31	
13C-PCB-81	1.5346	-	1.53	
PCB-77	1.1286	-	1.13	
13C-PCB-77	1.6357	-	1.64	
PCB-155	1.1239	-	1.12	
PCB-150	1.0427	-	1.04	
PCB-152	1.0319	-	1.03	
PCB-145	1.0747	-	1.07	
PCB-136	1.0054	-	1.01	
PCB-148	0.8253	-	0.83	
PCB-154	0.9011	-	0.90	
13C-PCB-155	1.2081	-	1.21	
13C-PCB-111	1.3121	-	1.31	
13C-PCB-101	-	-	-	
PCB-84	0.7320	-	0.73	Co-elute PCB 92
PCB-92	0.7320	-	0.73	Co-elute PCB 84
PCB-89	0.7280	-	0.73	
PCB-90	0.8243	-	0.82	Co-elute PCB 101
PCB-101	0.8243	-	0.82	Co-elute PCB 90
PCB-113	0.9029	-	0.90	
PCB-99	0.9183	-	0.92	
PCB-119	1.0003	-	1.00	
PCB-83	0.8278	-	0.83	Co-elute PCB 112
PCB-112	0.8278	-	0.83	Co-elute PCB 83
PCB-109	0.9822	-	0.98	
PCB-97	0.7066	-	0.71	
PCB-86	0.7014	-	0.70	
PCB-125	0.9275	-	0.93	Co-elute PCB 87/117
PCB-87	0.9275	-	0.93	Co-elute PCB 125/117
PCB-117	0.9275	-	0.93	Co-elute PCB 125/87
PCB-111	1.0784	-	1.08	Co-elute PCB 115
PCB-115	1.0784	-	1.08	Co-elute PCB 111
PCB-85	0.8827	-	0.88	Co-elute PCB 116
PCB-116	0.8827	-	0.88	Co-elute PCB 85
PCB-120	1.0879	-	1.09	
PCB-110	1.0494	-	1.05	
PCB-82	0.6268	-	0.63	
PCB-124	1.0905	-	1.09	
PCB-108	1.2428	-	1.24	Co-elute PCB 107
PCB-107	1.2428	-	1.24	Co-elute PCB 108
PCB-123	1.0660	-	1.07	
13C-PCB-123	1.2947	-	1.29	
PCB-118	1.1338	-	1.13	Co-elute PCB 106
PCB-106	1.1338	-	1.13	Co-elute PCB 118
13C-PCB-118	1.4140	-	1.41	
PCB-114	1.2004	-	1.20	
13C-PCB-114	1.3378	-	1.34	
PCB-122	1.1461	-	1.15	
PCB-105	1.2333	-	1.23	
13C-PCB-105	1.3287	-	1.33	
PCB-127	1.1242	-	1.12	
PCB-126	1.1951	-	1.20	
13C-PCB-126	1.2039	-	1.20	

PCB-151	1.0231	-	1.02	
PCB-135	1.0765	-	1.08	
PCB-144	1.0775	-	1.08	
PCB-147	1.1299	-	1.13	
PCB-139	1.1528	-	1.15	Co-elute PCB 149
PCB-149	1.1528	-	1.15	Co-elute PCB 139
PCB-140	1.1519	-	1.15	
PCB-143	0.9268	-	0.93	Co-elute PCB 134
PCB-134	0.9268	-	0.93	Co-elute PCB 143
PCB-131	0.9660	-	0.97	Co-elute PCB 133
PCB-133	0.9660	-	0.97	Co-elute PCB 131
PCB-142	0.9575	-	0.96	
PCB-165	1.2482	-	1.25	Co-elute PCB 146
PCB-146	1.2482	-	1.25	Co-elute PCB 165
PCB-161	1.2236	-	1.22	Co-elute PCB 132
PCB-132	1.2236	-	1.22	Co-elute PCB 161
PCB-153	1.2097	-	1.21	
PCB-168	1.3866	-	1.39	
PCB-141	1.0364	-	1.04	
PCB-137	1.1282	-	1.13	
PCB-130	0.8759	-	0.88	
PCB-138	1.2638	-	1.26	Co-elute PCB 163/164
PCB-163	1.2638	-	1.26	Co-elute PCB 138/164
PCB-164	1.2638	-	1.26	Co-elute PCB 138/163
PCB-158	1.3828	-	1.38	Co-elute PCB 160
PCB-160	1.3828	-	1.38	Co-elute PCB 158
PCB-129	0.9135	-	0.91	
PCB-166	1.3302	-	1.33	
PCB-159	1.3831	-	1.38	
PCB-128	1.1650	-	1.17	Co-elute PCB 162
PCB-162	1.1650	-	1.17	Co-elute PCB 128
PCB-167	1.2082	-	1.21	
13C-PCB-167	1.0918	-	1.09	
PCB-156	1.2887	-	1.29	
13C-PCB-156	1.0257	-	1.03	
PCB-157	1.2405	-	1.24	
13C-PCB-157	1.0911	-	1.09	
PCB-169	1.1712	-	1.17	
13C-PCB-169	0.9441	-	0.94	
PCB-188	1.0964	-	1.10	
13C-PCB-188	1.0592	-	1.06	

PCB-184	1.3094	-	1.31	
PCB-179	1.2122	-	1.21	
PCB-176	1.1774	-	1.18	
PCB-186	1.2158	-	1.22	
PCB-178	0.8470	-	0.85	
PCB-175	0.8765	-	0.88	
PCB-187	0.9245	-	0.92	Co-elute PCB 182
PCB-182	0.9245	-	0.92	Co-elute PCB 187
PCB-183	0.9469	-	0.95	
PCB-185	0.8548	-	0.85	
PCB-174	0.8190	-	0.82	
PCB-181	0.8986	-	0.90	
PCB-177	0.7853	-	0.79	
PCB-171	0.8236	-	0.82	
PCB-173	0.7733	-	0.77	
PCB-172	0.7746	-	0.77	
PCB-192	1.0091	-	1.01	
PCB-180	0.8328	-	0.83	
PCB-193	1.0681	-	1.07	
PCB-191	1.0430	-	1.04	
PCB-170	0.7363	-	0.74	
PCB-190	0.9675	-	0.97	
PCB-189	1.0822	-	1.08	
13C-PCB-189	0.8105	-	0.81	
PCB-202	1.0739	-	1.07	
PCB-201	1.1368	-	1.14	
PCB-204	1.1382	-	1.14	
PCB-197	1.1496	-	1.15	
PCB-200	1.1008	-	1.10	
PCB-198	0.7697	-	0.77	
PCB-199	0.8014	-	0.80	
PCB-203	0.8716	-	0.87	Co-elute PCB 196
PCB-196	0.8716	-	0.87	Co-elute PCB 203
13C-PCB-202	0.8003	-	0.80	
13C-PCB-178	0.7492	-	0.75	
13C-PCB-138	-	-	-	
PCB-195	0.9985	-	1.00	
PCB-194	1.0543	-	1.05	
PCB-205	1.1974	-	1.20	
13C-PCB-205	1.1220	-	1.12	
PCB-208	1.0817	-	1.08	
13C-PCB-208	1.1900	-	1.19	
PCB-207	1.3140	-	1.31	
PCB-206	1.1275	-	1.13	
13C-PCB-206	0.8044	-	0.80	
PCB-209	1.1984	-	1.20	
13C-PCB-209	0.8801	-	0.88	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 11/10/21

Run #1 Filename 09NOV20Z S: 1 Acquired: 9-NOV-20 12:02:14 Cal: DAILY209FAL4-11-9-20
Client ID: ST110920Z1 Analyte: DAILY209FAL4-11-9-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.26e+07	3.20 y	14:34	-	1.29	
2	IS/RT	13C-PCB-1	100.00	5.04e+07	3.24 y	14:33	-	0.831	
3	Unk	PCB-2	50.00	3.17e+07	3.15 y	16:47	-	1.28	
4	Unk	PCB-3	50.00	3.06e+07	3.15 y	17:00	-	1.26	
5	IS/RT	13C-PCB-3	100.00	4.85e+07	3.28 y	16:59	-	0.799	
6	Unk	PCB-4	50.00	2.18e+07	1.46 y	18:16	-	1.09	
7	Unk	PCB-10	50.00	3.74e+07	1.53 y	18:19	-	1.50	
8	IS/RT	13C-PCB-4	100.00	3.98e+07	1.59 y	18:14	-	0.657	
9	Unk	PCB-9	50.00	3.52e+07	1.46 y	19:56	-	1.41	
10	Unk	PCB-7	50.00	3.59e+07	1.53 y	19:58	-	1.44	
11	Unk	PCB-6	50.00	3.44e+07	1.51 y	20:33	-	1.38	
12	Unk	PCB-8	50.00	3.43e+07	1.51 y	20:56	-	1.37	
13	Unk	PCB-5	50.00	3.56e+07	1.51 y	20:59	-	1.43	
14	Unk	PCB-14	50.00	3.56e+07	1.51 y	22:00	-	1.43	
15	Unk	PCB-11	50.00	3.34e+07	1.52 y	23:07	-	1.34	
16	Unk	PCB-13	50.00	3.30e+07	1.47 y	23:27	-	1.32	
17	Unk	PCB-12	50.00	3.36e+07	1.52 y	23:31	-	1.35	
18	Unk	PCB-15	50.00	3.58e+07	1.46 y	23:47	-	1.20	
19	IS/RT	13C-PCB-15	100.00	5.99e+07	1.64 y	23:46	-	0.988	
20	Unk	PCB-19	50.00	1.68e+07	1.08 y	22:09	-	1.21	
21	Unk	PCB-30	50.00	2.64e+07	1.07 y	23:00	-	1.89	
22	Unk	PCB-18	50.00	1.79e+07	1.07 y	23:42	-	1.28	
23	Unk	PCB-17	50.00	1.92e+07	1.09 y	23:52	-	1.38	
24	Unk	PCB-27	50.00	2.40e+07	1.07 y	24:24	-	1.72	
25	Unk	PCB-24	50.00	2.48e+07	1.07 y	24:25	-	1.78	
26	Unk	PCB-16	50.00	2.14e+07	1.09 y	24:53	-	1.53	
27	Unk	PCB-32	50.00	2.23e+07	1.06 y	24:54	-	1.60	
28	IS/RT	13C-PCB-19	100.00	2.79e+07	1.09 y	22:08	-	0.459	
29	RS	13C-PCB-9	100.00	6.07e+07	1.63 y	19:55	6.07e+05	-	
30	Unk	PCB-34	50.00	3.30e+07	1.05 y	25:39	-	1.26	
31	Unk	PCB-23	50.00	3.58e+07	1.07 y	25:45	-	1.36	
32	Unk	PCB-29	50.00	3.51e+07	1.06 y	25:59	-	1.33	
33	Unk	PCB-26	50.00	3.35e+07	1.08 y	26:11	-	1.27	
34	Unk	PCB-25	50.00	3.23e+07	1.06 y	26:19	-	1.23	
35	Unk	PCB-31	50.00	3.14e+07	1.07 y	26:40	-	1.19	
36	Unk	PCB-28	50.00	4.14e+07	1.07 y	26:46	-	1.57	
37	Unk	PCB-20	150.00	9.94e+07	1.07 y	27:20	-	1.26	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.94e+07	1.07 y	27:20	-	1.26	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.94e+07	1.07 y	27:20	-	1.26	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.58e+07	1.08 y	27:45	-	1.36	
41	Unk	PCB-36	50.00	3.39e+07	1.08 y	28:21	-	1.29	
42	Unk	PCB-39	50.00	3.44e+07	1.06 y	28:47	-	1.31	
43	Unk	PCB-38	50.00	3.28e+07	1.06 y	29:32	-	1.25	
44	Unk	PCB-35	50.00	3.16e+07	1.07 y	30:01	-	1.20	
45	Unk	PCB-37	50.00	3.36e+07	1.06 y	30:26	-	1.28	
46	IS	13C-PCB-37	100.00	5.26e+07	1.06 y	30:25	-	1.69	

47	Unk	PCB-54	100.00	5.12e+07	0.78 y	25:41	-	1.27	
48	Unk	PCB-50	100.00	3.92e+07	0.78 y	26:48	-	0.975	
49	Unk	PCB-53	100.00	3.80e+07	0.78 y	27:24	-	0.943	
50	Unk	PCB-51	100.00	3.79e+07	0.78 y	27:44	-	0.942	
51	Unk	PCB-45	100.00	3.26e+07	0.77 y	28:08	-	0.810	
52	Unk	PCB-46	100.00	3.09e+07	0.78 y	28:36	-	0.768	
53	Unk	PCB-52	200.00	8.38e+07	0.76 y	29:04	-	1.04	Co-elute PCB 69
54	Unk	PCB-69	200.00	8.38e+07	0.76 y	29:04	-	1.04	Co-elute PCB 52
55	Unk	PCB-73	100.00	4.50e+07	0.79 y	29:10	-	1.12	
56	Unk	PCB-43	200.00	7.19e+07	0.79 y	29:20	-	0.893	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.19e+07	0.79 y	29:20	-	0.893	Co-elute PCB 43
58	Unk	PCB-47	100.00	3.79e+07	0.77 y	29:32	-	0.943	
59	Unk	PCB-48	200.00	9.33e+07	0.78 y	29:38	-	1.16	Co-elute PCB 75
60	Unk	PCB-75	200.00	9.33e+07	0.78 y	29:38	-	1.16	Co-elute PCB 48
61	Unk	PCB-65	100.00	4.78e+07	0.78 y	29:53	-	1.19	
62	Unk	PCB-62	100.00	4.51e+07	0.78 y	29:59	-	1.12	
63	Unk	PCB-44	100.00	3.02e+07	0.79 y	30:16	-	0.750	
64	Unk	PCB-42	200.00	8.37e+07	0.79 y	30:30	-	1.04	Co-elute PCB 59
65	Unk	PCB-59	200.00	8.37e+07	0.79 y	30:30	-	1.04	Co-elute PCB 42
66	Unk	PCB-72	400.00	1.85e+08	0.77 y	31:03	-	1.15	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	1.85e+08	0.77 y	31:03	-	1.15	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	1.85e+08	0.77 y	31:03	-	1.15	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	1.85e+08	0.77 y	31:03	-	1.15	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	5.35e+07	0.78 y	31:18	-	1.33	
71	Unk	PCB-40	100.00	2.91e+07	0.77 y	31:30	-	0.722	
72	Unk	PCB-57	100.00	5.07e+07	0.77 y	31:51	-	1.26	
73	Unk	PCB-67	100.00	5.00e+07	0.76 y	32:07	-	1.24	
74	Unk	PCB-58	100.00	5.09e+07	0.78 y	32:15	-	1.26	
75	Unk	PCB-63	100.00	5.03e+07	0.78 y	32:23	-	1.25	
76	Unk	PCB-74	100.00	5.02e+07	0.78 y	32:40	-	1.25	
77	Unk	PCB-61	200.00	9.21e+07	0.78 y	32:50	-	1.14	Co-elute PCB 70
78	Unk	PCB-70	200.00	9.21e+07	0.78 y	32:50	-	1.14	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.07e+08	0.79 y	33:03	-	1.33	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.07e+08	0.79 y	33:03	-	1.33	Co-elute PCB 76
81	Unk	PCB-80	100.00	6.13e+07	0.79 y	33:15	-	1.52	
82	Unk	PCB-55	100.00	5.23e+07	0.78 y	33:33	-	1.30	
83	IS/RT	13C-PCB-54	100.00	4.03e+07	0.81 y	25:40	-	1.29	
84	Unk	PCB-104	100.00	3.86e+07	1.55 y	30:08	-	1.16	
85	Unk	PCB-96	100.00	3.59e+07	1.55 y	31:20	-	1.08	
86	Unk	PCB-103	100.00	3.03e+07	1.54 y	31:51	-	0.912	
87	Unk	PCB-100	100.00	3.15e+07	1.55 y	32:11	-	0.949	
88	Unk	PCB-94	100.00	2.58e+07	1.55 y	32:37	-	0.778	
89	Unk	PCB-98	200.00	5.31e+07	1.57 y	33:04	-	0.800	Co-elute PCB 102
90	Unk	PCB-102	200.00	5.31e+07	1.57 y	33:04	-	0.800	Co-elute PCB 98
91	Unk	PCB-95	100.00	2.95e+07	1.53 y	33:06	-	0.889	
92	Unk	PCB-93	100.00	2.85e+07	1.60 y	33:13	-	0.860	
93	Unk	PCB-88	200.00	6.04e+07	1.54 y	33:29	-	0.911	Co-elute PCB 91
94	Unk	PCB-91	200.00	6.04e+07	1.54 y	33:29	-	0.911	Co-elute PCB 88
95	Unk	PCB-121	100.00	3.62e+07	1.57 y	33:36	-	1.09	
96	IS	13C-PCB-104	100.00	3.32e+07	1.57 y	30:07	-	1.07	
97	C/Up	13C-PCB-28	100.00	6.46e+07	1.06 y	26:45	-	2.08	
98	RS	13C-PCB-52	100.00	3.11e+07	0.79 y	29:01	3.11e+05	-	
99	Unk	PCB-56	200.00	1.20e+08	0.78 y	34:02	-	1.20	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.20e+08	0.78 y	34:02	-	1.20	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.17e+07	0.78 y	35:03	-	1.23	
102	Unk	PCB-78	100.00	6.23e+07	0.78 y	35:43	-	1.25	
103	Unk	PCB-81	100.00	6.33e+07	0.77 y	36:12	-	1.31	
104	IS	13C-PCB-81	100.00	4.84e+07	0.79 y	36:11	-	1.53	
105	Unk	PCB-77	100.00	5.82e+07	0.78 y	36:46	-	1.13	
106	IS/RT	13C-PCB-77	100.00	5.16e+07	0.82 y	36:45	-	1.64	
107	Unk	PCB-155	100.00	4.28e+07	1.26 y	34:18	-	1.12	
108	Unk	PCB-150	100.00	3.97e+07	1.27 y	35:30	-	1.04	
109	Unk	PCB-152	100.00	3.93e+07	1.26 y	35:57	-	1.03	
110	Unk	PCB-145	100.00	4.10e+07	1.26 y	36:22	-	1.07	
111	Unk	PCB-136	100.00	3.83e+07	1.26 y	36:41	-	1.01	
112	Unk	PCB-148	100.00	3.15e+07	1.29 y	36:46	-	0.825	
113	Unk	PCB-154	100.00	3.43e+07	1.26 y	37:14	-	0.901	
114	IS	13C-PCB-155	100.00	3.81e+07	1.32 y	34:17	-	1.21	
115	C/Up	13C-PCB-111	100.00	4.14e+07	1.62 y	36:21	-	1.31	
116	RS	13C-PCB-101	100.00	3.15e+07	1.62 y	34:44	3.15e+05	-	
117	Unk	PCB-84	200.00	6.74e+07	1.59 y	34:23	-	0.732	Co-elute PCB 92
118	Unk	PCB-92	200.00	6.74e+07	1.59 y	34:23	-	0.732	Co-elute PCB 84
119	Unk	PCB-89	100.00	3.35e+07	1.59 y	34:33	-	0.728	
120	Unk	PCB-90	200.00	7.59e+07	1.60 y	34:44	-	0.824	Co-elute PCB 101
121	Unk	PCB-101	200.00	7.59e+07	1.60 y	34:44	-	0.824	Co-elute PCB 90
122	Unk	PCB-113	100.00	4.16e+07	1.59 y	34:57	-	0.903	
123	Unk	PCB-99	100.00	4.23e+07	1.60 y	35:03	-	0.918	
124	Unk	PCB-119	100.00	4.61e+07	1.57 y	35:29	-	1.00	
125	Unk	PCB-83	200.00	7.63e+07	1.58 y	35:38	-	0.828	Co-elute PCB 112
126	Unk	PCB-112	200.00	7.63e+07	1.58 y	35:38	-	0.828	Co-elute PCB 83
127	Unk	PCB-109	100.00	4.52e+07	1.59 y	35:48	-	0.982	
128	Unk	PCB-97	100.00	3.25e+07	1.59 y	35:58	-	0.707	
129	Unk	PCB-86	100.00	3.23e+07	1.56 y	36:07	-	0.701	
130	Unk	PCB-125	300.00	1.28e+08	1.66 y	36:15	-	0.928	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.28e+08	1.66 y	36:15	-	0.928	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.28e+08	1.66 y	36:15	-	0.928	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	9.93e+07	1.53 y	36:23	-	1.08	Co-elute PCB 115
134	Unk	PCB-115	200.00	9.93e+07	1.53 y	36:23	-	1.08	Co-elute PCB 111
135	Unk	PCB-85	200.00	8.13e+07	1.61 y	36:31	-	0.883	Co-elute PCB 116
136	Unk	PCB-116	200.00	8.13e+07	1.61 y	36:31	-	0.883	Co-elute PCB 85
137	Unk	PCB-120	100.00	5.01e+07	1.59 y	36:44	-	1.09	
138	Unk	PCB-110	100.00	4.83e+07	1.61 y	36:53	-	1.05	
139	Unk	PCB-82	100.00	2.89e+07	1.57 y	37:28	-	0.627	
140	Unk	PCB-124	100.00	5.02e+07	1.51 y	38:08	-	1.09	
141	Unk	PCB-108	200.00	1.14e+08	1.54 y	38:14	-	1.24	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.14e+08	1.54 y	38:14	-	1.24	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.73e+07	1.57 y	38:26	-	1.07	
144	IS	13C-PCB-123	100.00	4.44e+07	1.58 y	38:24	-	1.29	
145	Unk	PCB-118	200.00	1.10e+08	1.48 y	38:37	-	1.13	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.10e+08	1.48 y	38:37	-	1.13	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.85e+07	1.60 y	38:34	-	1.41	
148	Unk	PCB-114	100.00	5.50e+07	1.64 y	39:12	-	1.20	
149	IS	13C-PCB-114	100.00	4.59e+07	1.59 y	39:12	-	1.34	
150	Unk	PCB-122	100.00	5.28e+07	1.40 y	39:20	-	1.15	
151	Unk	PCB-105	100.00	5.62e+07	1.55 y	40:01	-	1.23	
152	IS	13C-PCB-105	100.00	4.55e+07	1.60 y	40:00	-	1.33	
153	Unk	PCB-127	100.00	5.18e+07	1.54 y	40:19	-	1.12	
154	Unk	PCB-126	100.00	4.93e+07	1.55 y	42:08	-	1.20	
155	IS	13C-PCB-126	100.00	4.13e+07	1.58 y	42:06	-	1.20	

156	Unk	PCB-151	100.00	3.64e+07	1.29 y	37:51	-	1.02	
157	Unk	PCB-135	100.00	3.83e+07	1.32 y	38:04	-	1.08	
158	Unk	PCB-144	100.00	3.83e+07	1.21 y	38:11	-	1.08	
159	Unk	PCB-147	100.00	4.02e+07	1.29 y	38:18	-	1.13	
160	Unk	PCB-139	200.00	8.20e+07	1.27 y	38:32	-	1.15	Co-elute PCB 149
161	Unk	PCB-149	200.00	8.20e+07	1.27 y	38:32	-	1.15	Co-elute PCB 139
162	Unk	PCB-140	100.00	4.10e+07	1.28 y	38:44	-	1.15	
163	Unk	PCB-143	200.00	6.60e+07	1.29 y	39:07	-	0.927	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.60e+07	1.29 y	39:07	-	0.927	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.87e+07	1.27 y	39:25	-	0.966	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.87e+07	1.27 y	39:25	-	0.966	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.41e+07	1.26 y	39:35	-	0.958	
168	Unk	PCB-165	200.00	8.88e+07	1.27 y	39:47	-	1.25	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.88e+07	1.27 y	39:47	-	1.25	Co-elute PCB 165
170	Unk	PCB-161	200.00	8.71e+07	1.26 y	40:00	-	1.22	Co-elute PCB 132
171	Unk	PCB-132	200.00	8.71e+07	1.26 y	40:00	-	1.22	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.30e+07	1.27 y	40:10	-	1.21	
173	Unk	PCB-168	100.00	4.93e+07	1.28 y	40:21	-	1.39	
174	Unk	PCB-141	100.00	3.69e+07	1.26 y	40:52	-	1.04	
175	Unk	PCB-137	100.00	4.01e+07	1.26 y	41:14	-	1.13	
176	Unk	PCB-130	100.00	3.12e+07	1.30 y	41:19	-	0.876	
177	Unk	PCB-138	300.00	1.35e+08	1.27 y	41:40	-	1.26	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.35e+08	1.27 y	41:40	-	1.26	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.35e+08	1.27 y	41:40	-	1.26	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.84e+07	1.27 y	41:53	-	1.38	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.84e+07	1.27 y	41:53	-	1.38	Co-elute PCB 158
182	Unk	PCB-129	100.00	3.25e+07	1.28 y	42:08	-	0.914	
183	Unk	PCB-166	100.00	4.73e+07	1.26 y	42:34	-	1.33	
184	Unk	PCB-159	100.00	4.92e+07	1.29 y	42:53	-	1.38	
185	Unk	PCB-128	200.00	8.29e+07	1.27 y	43:09	-	1.17	Co-elute PCB 162
186	Unk	PCB-162	200.00	8.29e+07	1.27 y	43:09	-	1.17	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.52e+07	1.25 y	43:30	-	1.21	
188	IS	13C-PCB-167	100.00	3.74e+07	1.28 y	43:30	-	1.09	
189	Unk	PCB-156	100.00	4.53e+07	1.26 y	44:44	-	1.29	
190	IS	13C-PCB-156	100.00	3.52e+07	1.28 y	44:43	-	1.03	
191	Unk	PCB-157	100.00	4.64e+07	1.27 y	44:59	-	1.24	
192	IS	13C-PCB-157	100.00	3.74e+07	1.28 y	44:59	-	1.09	
193	Unk	PCB-169	100.00	3.79e+07	1.28 y	46:50	-	1.17	
194	IS	13C-PCB-169	100.00	3.24e+07	1.28 y	46:50	-	0.944	
195	Unk	PCB-188	100.00	3.98e+07	1.06 y	39:48	-	1.10	
196	IS	13C-PCB-188	100.00	3.63e+07	1.08 y	39:47	-	1.06	

197	Unk	PCB-184	100.00	4.20e+07	1.04 y	40:15	-	1.31	
198	Unk	PCB-179	100.00	3.88e+07	1.05 y	40:59	-	1.21	
199	Unk	PCB-176	100.00	3.77e+07	1.07 y	41:25	-	1.18	
200	Unk	PCB-186	100.00	3.90e+07	1.07 y	42:00	-	1.22	
201	Unk	PCB-178	100.00	2.71e+07	1.07 y	42:26	-	0.847	
202	Unk	PCB-175	100.00	2.81e+07	1.06 y	42:46	-	0.876	
203	Unk	PCB-187	200.00	5.92e+07	1.05 y	42:56	-	0.924	Co-elute PCB 182
204	Unk	PCB-182	200.00	5.92e+07	1.05 y	42:56	-	0.924	Co-elute PCB 187
205	Unk	PCB-183	100.00	3.03e+07	1.07 y	43:14	-	0.947	
206	Unk	PCB-185	100.00	2.74e+07	1.05 y	43:52	-	0.855	
207	Unk	PCB-174	100.00	2.62e+07	1.05 y	44:13	-	0.819	
208	Unk	PCB-181	100.00	2.88e+07	1.06 y	44:18	-	0.899	
209	Unk	PCB-177	100.00	2.52e+07	1.04 y	44:28	-	0.785	
210	Unk	PCB-171	100.00	2.64e+07	1.06 y	44:44	-	0.824	
211	Unk	PCB-173	100.00	2.48e+07	1.06 y	45:09	-	0.773	
212	Unk	PCB-172	100.00	2.48e+07	1.05 y	45:32	-	0.775	
213	Unk	PCB-192	100.00	3.23e+07	1.04 y	45:42	-	1.01	
214	Unk	PCB-180	100.00	2.67e+07	1.06 y	45:52	-	0.833	
215	Unk	PCB-193	100.00	3.42e+07	1.05 y	46:02	-	1.07	
216	Unk	PCB-191	100.00	3.34e+07	1.05 y	46:15	-	1.04	
217	Unk	PCB-170	100.00	2.36e+07	1.06 y	47:09	-	0.736	
218	Unk	PCB-190	100.00	3.10e+07	1.03 y	47:19	-	0.968	
219	Unk	PCB-189	100.00	3.01e+07	1.04 y	48:30	-	1.08	
220	IS	13C-PCB-189	100.00	2.78e+07	1.07 y	48:28	-	0.810	
221	Unk	PCB-202	150.00	4.42e+07	0.91 y	44:56	-	1.07	
222	Unk	PCB-201	150.00	4.68e+07	0.92 y	45:22	-	1.14	
223	Unk	PCB-204	150.00	4.68e+07	0.95 y	45:31	-	1.14	
224	Unk	PCB-197	150.00	4.73e+07	0.94 y	45:47	-	1.15	
225	Unk	PCB-200	150.00	4.53e+07	0.94 y	46:31	-	1.10	
226	Unk	PCB-198	150.00	3.17e+07	0.94 y	47:41	-	0.770	
227	Unk	PCB-199	150.00	3.30e+07	0.91 y	47:46	-	0.801	
228	Unk	PCB-203	300.00	7.17e+07	0.92 y	48:00	-	0.872	Co-elute PCB 196
229	Unk	PCB-196	300.00	7.17e+07	0.92 y	48:00	-	0.872	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	2.74e+07	0.88 y	44:54	-	0.800	
231	C/Up	13C-PCB-178	100.00	2.57e+07	1.08 y	42:26	-	0.749	
232	RS	13C-PCB-138	100.00	3.43e+07	1.29 y	41:38	3.43e+05	-	
233	Unk	PCB-195	150.00	5.03e+07	0.90 y	49:05	-	0.998	
234	Unk	PCB-194	150.00	5.31e+07	0.90 y	49:53	-	1.05	
235	Unk	PCB-205	150.00	6.03e+07	0.93 y	50:08	-	1.20	
236	IS	13C-PCB-205	100.00	3.36e+07	0.90 y	50:07	-	1.12	
237	Unk	PCB-208	150.00	5.78e+07	1.35 y	49:13	-	1.08	
238	IS	13C-PCB-208	100.00	3.56e+07	0.80 y	49:12	-	1.19	
239	Unk	PCB-207	150.00	5.88e+07	1.36 y	49:30	-	1.31	
240	Unk	PCB-206	150.00	4.07e+07	1.34 y	51:20	-	1.13	
241	IS	13C-PCB-206	100.00	2.41e+07	0.81 y	51:19	-	0.804	
242	Unk	PCB-209	150.00	4.73e+07	1.20 y	52:31	-	1.20	
243	IS	13C-PCB-209	100.00	2.63e+07	1.20 y	52:30	-	0.880	
244	RS	13C-PCB-194	100.00	2.99e+07	0.91 y	49:53	2.99e+05	-	

Analyst: [illegible] Date: 11/10/02

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 09NOV20Z Sam:1 Analysis Date: 9-NOV-20 12:02:14

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	53.3	37.5 - 62.5
PCB-3	M/M+2	3.15	2.66-3.60	y	51.3	37.5 - 62.5
PCB-4	M/M+2	1.46	1.33-1.79	y	48.0	37.5 - 62.5
PCB-15	M/M+2	1.46	1.33-1.79	y	54.7	37.5 - 62.5
PCB-19	M/M+2	1.08	0.88-1.20	y	49.8	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	55.8	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	107	75.0 - 125
PCB-77	M/M+2	0.78	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.77	0.65-0.89	y	115	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	104	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	112	75.0 - 125
PCB-114	M+2/M+4	1.64	1.32-1.78	y	106	75.0 - 125
PCB-118	M+2/M+4	1.48	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.57	1.32-1.78	y	96.1	75.0 - 125
PCB-126	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-155	M+2/M+4	1.26	1.05-1.43	y	99.1	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	114	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	115	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	109	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	109	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	99.7	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.91	0.76-1.02	y	156	112.5 - 187.5
PCB-205	M+2/M+4	0.93	0.76-1.02	y	166	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	163	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.20	0.99-1.33	y	160	112.5 - 187.5

Analyst: Date: 11/10/20

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: 09NOV20Z Sam:1 Analysis Date: 9-NOV-20 12:02:14

	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	92.5	50.0 - 145
13C-PCB-3	M/M+2	3.28	2.66-3.60	y	86.0	50.0 - 145
13C-PCB-4	M/M+2	1.59	1.33-1.79	y	99.6	50.0 - 145
13C-PCB-15	M/M+2	1.64	1.33-1.79	y	91.0	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	91.0	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	103	50.0 - 145
13C-PCB-54	M/M+2	0.81	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.82	0.65-0.89	y	101	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	97.8	50.0 - 145
13C-PCB-104	M+2/M+4	1.57	1.32-1.78	y	104	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	103	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	101	50.0 - 145
13C-PCB-126	M+2/M+4	1.58	1.32-1.78	y	97.7	50.0 - 145
13C-PCB-155	M+2/M+4	1.32	1.05-1.43	y	109	50.0 - 145
13C-PCB-156	M+2/M+4	1.28	1.05-1.43	y	86.3	50.0 - 145
13C-PCB-157	M+2/M+4	1.28	1.05-1.43	y	89.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	88.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	80.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	84.0	50.0 - 145
13C-PCB-202	M+2/M+4	0.88	0.76-1.02	y	83.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	85.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.81	0.65-0.89	y	85.8	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	1.20	0.99-1.33	y	79.8	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	120	65.0 - 135
13C-PCB-111	M+2/M+4	1.62	1.32-1.78	y	103	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	96.5	75.0 - 125

Analyst: _____ Date: 11/10/20

FAL ID: ST110920Z1 Filename: 09NOV20Z Sam:1 Acquired: 9-NOV-20 12:02:14 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110920Z1 EndCal: ST110920Z2
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.26e+07	3.20 y	14:34	1.21	53.3		2.50	-	-	*	-
13C-PCB-1	5.04e+07	3.24 y	14:33	0.90	92.5		2.50				92.5
PCB-3	3.06e+07	3.15 y	16:60	1.23	51.3		2.50	-	-	*	-
13C-PCB-3	4.85e+07	3.28 y	16:59	0.93	86.0		2.50				86.0
PCB-4	2.18e+07	1.46 y	18:16	1.14	48.0		2.50	-	-	*	-
13C-PCB-4	3.98e+07	1.59 y	18:14	0.66	99.6		2.50				99.6
PCB-15	3.58e+07	1.46 y	23:47	1.09	54.7		2.50	-	-	*	-
13C-PCB-15	5.99e+07	1.64 y	23:46	1.09	91.0		2.50				91.0
PCB-19	1.68e+07	1.08 y	22:09	1.21	49.8		2.50	-	-	*	-
13C-PCB-19	2.79e+07	1.09 y	22:08	0.50	91.0		2.50				91.0
13C-PCB-9	6.07e+07	1.63 y	19:55	-	59.5		2.50				
PCB-37	3.36e+07	1.06 y	30:26	1.14	55.8		2.50	-	-	*	-
13C-PCB-37	5.26e+07	1.06 y	30:25	1.64	103		2.50				103
PCB-54	5.12e+07	0.78 y	25:41	1.18	107		2.50	-	-	*	-
13C-PCB-54	4.03e+07	0.81 y	25:40	1.26	102		2.50				102
PCB-104	3.86e+07	1.55 y	30:08	1.12	104		2.50	-	-	*	-
13C-PCB-104	3.32e+07	1.57 y	30:07	1.02	104		2.50				104
13C-PCB-28	6.46e+07	1.06 y	26:45	1.73	120		2.50				120
13C-PCB-52	3.11e+07	0.79 y	29:01	-	58.6		2.50				
PCB-81	6.33e+07	0.77 y	36:12	1.13	115		2.50	-	-	*	-
13C-PCB-81	4.84e+07	0.79 y	36:11	1.57	97.8		2.50				97.8
PCB-77	5.82e+07	0.78 y	36:46	1.10	103		2.50	-	-	*	-
13C-PCB-77	5.16e+07	0.82 y	36:45	1.61	101		2.50				101
PCB-155	4.28e+07	1.26 y	34:18	1.13	99.1		2.50	-	-	*	-
13C-PCB-155	3.81e+07	1.32 y	34:17	1.10	109		2.50				109
13C-PCB-111	4.14e+07	1.62 y	36:21	1.27	103		2.50				103
13C-PCB-101	3.15e+07	1.62 y	34:44	-	66.2		2.50				
PCB-123	4.73e+07	1.57 y	38:26	1.11	96.1		2.50	-	-	*	-
13C-PCB-123	4.44e+07	1.58 y	38:24	1.28	101		2.50				101
PCB-118	1.10e+08	1.48 y	38:37	1.12	202		2.50	-	-	*	-
13C-PCB-118	4.85e+07	1.60 y	38:34	1.35	104		2.50				104
PCB-114	5.50e+07	1.64 y	39:12	1.13	106		2.50	-	-	*	-
13C-PCB-114	4.59e+07	1.59 y	39:12	1.29	103		2.50				103
PCB-105	5.62e+07	1.55 y	40:01	1.10	112		2.50	-	-	*	-
13C-PCB-105	4.55e+07	1.60 y	39:60	1.28	104		2.50				104
PCB-126	4.93e+07	1.55 y	42:08	1.08	110		2.50	-	-	*	-
13C-PCB-126	4.13e+07	1.58 y	42:06	1.23	97.7		2.50				97.7
PCB-167	4.52e+07	1.25 y	43:30	1.11	109		2.50	-	-	*	-
13C-PCB-167	3.74e+07	1.28 y	43:30	1.23	88.9		2.50				88.9
PCB-156	4.53e+07	1.26 y	44:44	1.13	114		2.50	-	-	*	-
13C-PCB-156	3.52e+07	1.28 y	44:43	1.19	86.3		2.50				86.3
PCB-157	4.64e+07	1.27 y	44:59	1.08	115		2.50	-	-	*	-
13C-PCB-157	3.74e+07	1.28 y	44:59	1.21	89.9		2.50				89.9
PCB-169	3.79e+07	1.28 y	46:50	1.08	109		2.50	-	-	*	-
13C-PCB-169	3.24e+07	1.28 y	46:50	1.17	80.7		2.50				80.7
PCB-188	3.98e+07	1.06 y	39:48	1.10	99.7		2.50	-	-	*	-
13C-PCB-188	3.63e+07	1.08 y	39:47	1.13	94.0		2.50				94.0
PCB-189	3.01e+07	1.04 y	48:30	1.07	101		2.50	-	-	*	-
13C-PCB-189	2.78e+07	1.07 y	48:28	0.97	84.0		2.50				84.0
PCB-202	4.42e+07	0.91 y	44:56	1.03	156		2.50	-	-	*	-
13C-PCB-202	2.74e+07	0.88 y	44:54	0.96	83.7		2.50				83.7
13C-PCB-178	2.57e+07	1.08 y	42:26	0.78	96.5		2.50				96.5
13C-PCB-138	3.43e+07	1.29 y	41:38	-	71.3		2.50				

FAL ID: ST110920Z1 Filename: 09NOV20Z Sam:1 Acquired: 9-NOV-20 12:02:14 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110920Z1 EndCal: ST110920Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	6.03e+07	0.93 y	50:08	1.09	166	2.50	-	-	*	-
13C-PCB-205	3.36e+07	0.90 y	50:07	1.32	85.2	2.50				85.2
PCB-208	5.78e+07	1.35 y	49:13	1.01	161	2.50	-	-	*	-
13C-PCB-208	3.56e+07	0.80 y	49:12	1.38	86.5	2.50				86.5
PCB-206	4.07e+07	1.34 y	51:20	1.04	163	2.50	-	-	*	-
13C-PCB-206	2.41e+07	0.81 y	51:19	0.94	85.8	2.50				85.8
PCB-209	4.73e+07	1.20 y	52:31	1.13	160	2.50	-	-	*	-
13C-PCB-209	2.63e+07	1.20 y	52:30	1.10	79.8	2.50				79.8
13C-PCB-194	2.99e+07	0.91 y	49:53	-	78.5	2.50				

Analyst: _____ Date: 11/10/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/9/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 09NOV20Z Sam:11 Analysis Date: 9-NOV-20 21:45:46

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.18	2.66-3.60	y	50.0	37.5 - 62.5
PCB-3	M/M+2	3.17	2.66-3.60	y	50.5	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	47.7	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	51.1	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	50.8	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	49.7	37.5 - 62.5
PCB-54	M/M+2	0.77	0.65-0.89	y	100	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	103	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	101	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	99.7	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	102	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	107	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	204	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	101	75.0 - 125
PCB-126	M+2/M+4	1.58	1.32-1.78	y	102	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.24	1.05-1.43	y	100.0	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	102	75.0 - 125
PCB-167	M+2/M+4	1.25	1.05-1.43	y	99.1	75.0 - 125
PCB-169	M+2/M+4	1.30	1.05-1.43	y	102	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	99.8	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	101	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	147	112.5 - 187.5
PCB-205	M+2/M+4	0.94	0.76-1.02	y	148	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	148	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	148	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	146	112.5 - 187.5

Analyst: [illegible] Date: 11/10/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/9/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 09NOV20Z Sam:11 Analysis Date: 9-NOV-20 21:45:46

	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	3.20	2.66-3.60	y	100	50.0 - 145
13C-PCB-3	M/M+2	3.26	2.66-3.60	y	99.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	97.7	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	98.5	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	93.1	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	86.9	50.0 - 145
13C-PCB-54	M/M+2	0.78	0.65-0.89	y	103	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	99.4	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	99.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	101	50.0 - 145
13C-PCB-105	M+2/M+4	1.63	1.32-1.78	y	102	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	104	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	103	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	105	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	106	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	94.9	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	104	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	101	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	101	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	105	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	98.9	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	101	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	94.0	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	107	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	113	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	112	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	116	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.03	0.88-1.20	y	88.9	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	97.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	102	75.0 - 125

Analyst: _____ Date: 11/10/20

FAL ID: ST11092022 Filename: 09NOV20Z Sam:11 Acquired: 9-NOV-20 21:45:46 ICal: DAILY209FAL4-11-9-20
Client ID: CS209 200406A ConCal: ST11092021 EndCal: ST11092022
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.35e+07	3.18 y	14:34	1.29	50.0		2.50	-	-	*	
13C-PCB-1	5.18e+07	3.20 y	14:32	0.83	100		2.50				100
PCB-3	3.14e+07	3.17 y	16:60	1.26	50.5		2.50	-	-	*	
13C-PCB-3	4.92e+07	3.26 y	16:59	0.80	99.2		2.50				99.2
PCB-4	2.08e+07	1.48 y	18:15	1.09	47.7		2.50	-	-	*	
13C-PCB-4	3.98e+07	1.61 y	18:13	0.66	97.7		2.50				97.7
PCB-15	3.69e+07	1.52 y	23:46	1.20	51.1		2.50	-	-	*	
13C-PCB-15	6.05e+07	1.62 y	23:45	0.99	98.5		2.50				98.5
PCB-19	1.63e+07	1.07 y	22:09	1.21	50.8		2.50	-	-	*	
13C-PCB-19	2.66e+07	1.09 y	22:07	0.46	93.1		2.50				93.1
13C-PCB-9	6.21e+07	1.63 y	19:54	-	102		2.50				
PCB-37	2.71e+07	1.09 y	30:25	1.28	49.7		2.50	-	-	*	
13C-PCB-37	4.27e+07	1.04 y	30:24	1.69	86.9		2.50				86.9
PCB-54	4.96e+07	0.77 y	25:40	1.27	100		2.50	-	-	*	
13C-PCB-54	3.88e+07	0.78 y	25:39	1.29	103		2.50				103
PCB-104	3.61e+07	1.55 y	30:07	1.16	99.7		2.50	-	-	*	
13C-PCB-104	3.11e+07	1.58 y	30:06	1.07	101		2.50				101
13C-PCB-28	5.36e+07	1.03 y	26:44	2.08	88.9		2.50				88.9
13C-PCB-52	2.91e+07	0.78 y	29:00	-	93.3		2.50				
PCB-81	5.86e+07	0.79 y	36:11	1.31	101		2.50	-	-	*	
13C-PCB-81	4.42e+07	0.79 y	36:10	1.53	99.7		2.50				99.7
PCB-77	5.47e+07	0.80 y	36:45	1.13	103		2.50	-	-	*	
13C-PCB-77	4.70e+07	0.81 y	36:44	1.64	99.4		2.50				99.4
PCB-155	3.80e+07	1.27 y	34:17	1.12	102		2.50	-	-	*	
13C-PCB-155	3.32e+07	1.30 y	34:16	1.21	94.9		2.50				94.9
13C-PCB-111	3.69e+07	1.63 y	36:20	1.31	97.3		2.50				97.3
13C-PCB-101	2.89e+07	1.62 y	34:42	-	91.6		2.50				
PCB-123	4.59e+07	1.62 y	38:24	1.07	101		2.50	-	-	*	
13C-PCB-123	4.24e+07	1.58 y	38:23	1.29	105		2.50				105
PCB-118	1.05e+08	1.55 y	38:36	1.13	204		2.50	-	-	*	
13C-PCB-118	4.56e+07	1.60 y	38:33	1.41	103		2.50				103
PCB-114	5.58e+07	1.57 y	39:12	1.20	107		2.50	-	-	*	
13C-PCB-114	4.35e+07	1.61 y	39:11	1.34	104		2.50				104
PCB-105	5.36e+07	1.58 y	39:60	1.23	102		2.50	-	-	*	
13C-PCB-105	4.25e+07	1.63 y	39:58	1.33	102		2.50				102
PCB-126	4.85e+07	1.58 y	42:07	1.20	102		2.50	-	-	*	
13C-PCB-126	3.99e+07	1.62 y	42:05	1.20	106		2.50				106
PCB-167	4.12e+07	1.25 y	43:29	1.21	99.1		2.50	-	-	*	
13C-PCB-167	3.44e+07	1.28 y	43:29	1.09	101		2.50				101
PCB-156	4.30e+07	1.24 y	44:43	1.29	100.0		2.50	-	-	*	
13C-PCB-156	3.34e+07	1.31 y	44:41	1.03	104		2.50				104
PCB-157	4.36e+07	1.27 y	44:58	1.24	102		2.50	-	-	*	
13C-PCB-157	3.46e+07	1.30 y	44:58	1.09	101		2.50				101
PCB-169	3.72e+07	1.30 y	46:50	1.17	102		2.50	-	-	*	
13C-PCB-169	3.11e+07	1.30 y	46:48	0.94	105		2.50				105
PCB-188	3.59e+07	1.06 y	39:47	1.10	99.8		2.50	-	-	*	
13C-PCB-188	3.28e+07	1.10 y	39:47	1.06	98.9		2.50				98.9
PCB-189	2.81e+07	1.08 y	48:29	1.08	101		2.50	-	-	*	
13C-PCB-189	2.57e+07	1.07 y	48:29	0.81	101		2.50				101
PCB-202	3.73e+07	0.93 y	44:55	1.07	147		2.50	-	-	*	
13C-PCB-202	2.36e+07	0.90 y	44:53	0.80	94.0		2.50				94.0
13C-PCB-178	2.38e+07	1.08 y	42:25	0.75	102		2.50				102
13C-PCB-138	3.13e+07	1.29 y	41:37	-	91.4		2.50				

FAL ID: ST110920Z2 Filename: 09NOV20Z Sam:11 Acquired: 9-NOV-20 21:45:46 ICal: DAILY209FAL4-11-9-20 2 of 2
Client ID: CS209 200406A ConCal: ST110920Z1 EndCal: ST110920Z2
Results: GC Column: DB1MS Amount: 1.000

PCB-205	5.47e+07	0.94	y	50:07	1.20	148	2.50	-	-	*	
13C-PCB-205	3.09e+07	0.89	y	50:07	1.12	107	2.50				107
PCB-208	5.49e+07	1.35	y	49:12	1.08	148	2.50	-	-	*	
13C-PCB-208	3.43e+07	0.79	y	49:12	1.19	112	2.50				112
PCB-206	3.87e+07	1.33	y	51:19	1.13	148	2.50	-	-	*	
13C-PCB-206	2.33e+07	0.80	y	51:19	0.80	113	2.50				113
PCB-209	4.57e+07	1.18	y	52:30	1.20	146	2.50	-	-	*	
13C-PCB-209	2.62e+07	1.20	y	52:30	0.88	116	2.50				116
13C-PCB-194	2.57e+07	0.93	y	49:52	-	85.8	2.50				

Analyst: [illegible] Date: 11/10/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:09NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

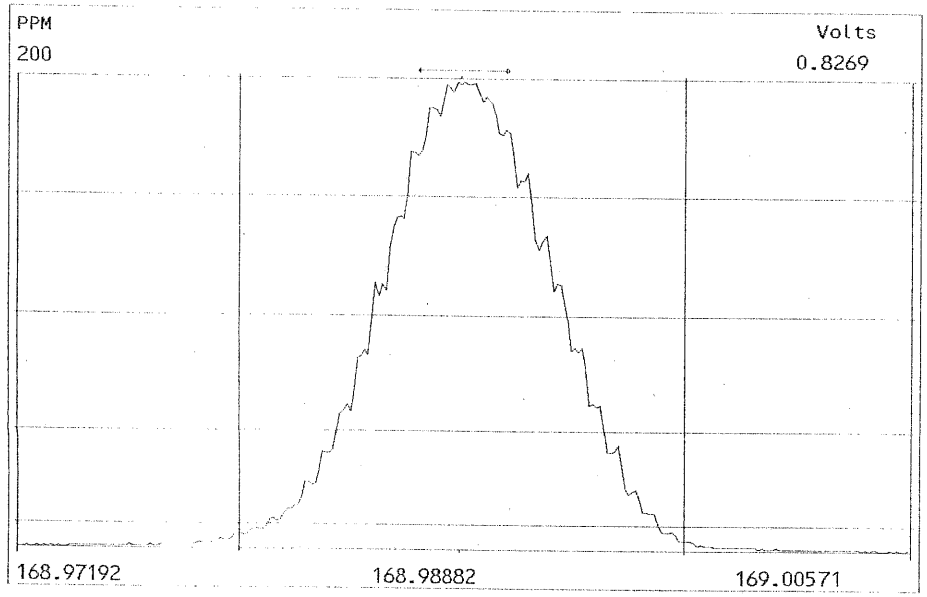
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
09NOV20Z	1	ST110920Z1	CS209 200406A	9-NOV-20 12:02:14	ST110920Z1	ST110920Z2	BS
09NOV20Z	2	05499-001-0001-OPR	OPR	9-NOV-20 13:00:34	ST110920Z1	ST110920Z2	BS
09NOV20Z	3	05499-001-0001-MB	Method Blank	9-NOV-20 13:58:55	ST110920Z1	ST110920Z2	BS
09NOV20Z	4	13380-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-WORM	9-NOV-20 14:57:16	ST110920Z1	ST110920Z2	BS
09NOV20Z	5	13380-028-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-WORM	9-NOV-20 15:55:38	ST110920Z1	ST110920Z2	BS
09NOV20Z	6	13383-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-WORM	9-NOV-20 16:53:59	ST110920Z1	ST110920Z2	BS
09NOV20Z	7	13383-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-WORM	9-NOV-20 17:52:20	ST110920Z1	ST110920Z2	BS
09NOV20Z	8	13383-018-0001-SA	LDW-Y3-LBS-CLAM-BAS	9-NOV-20 18:50:42	ST110920Z1	ST110920Z2	BS
09NOV20Z	9	13383-022-0001-SA	LDW-Y3-LBS-WORM-BAS	9-NOV-20 19:49:03	ST110920Z1	ST110920Z2	BS
09NOV20Z	10	SB110920Z1	Solvent Blank	9-NOV-20 20:47:24	ST110920Z1	ST110920Z2	BS
09NOV20Z	11	ST110920Z2	CS209 200406A	9-NOV-20 21:45:46	ST110920Z1	ST110920Z2	BS

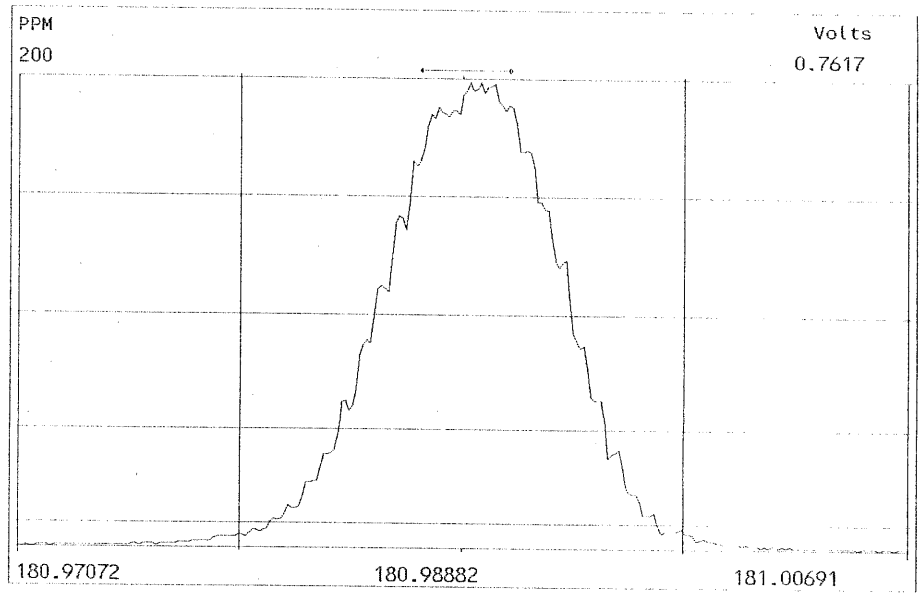
11/10/20

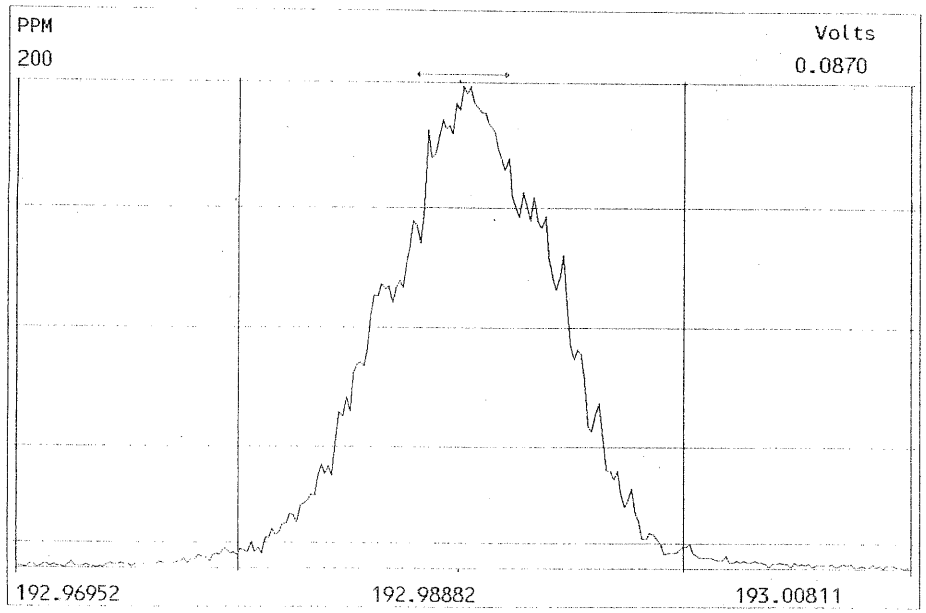
Data Backed Up:_____

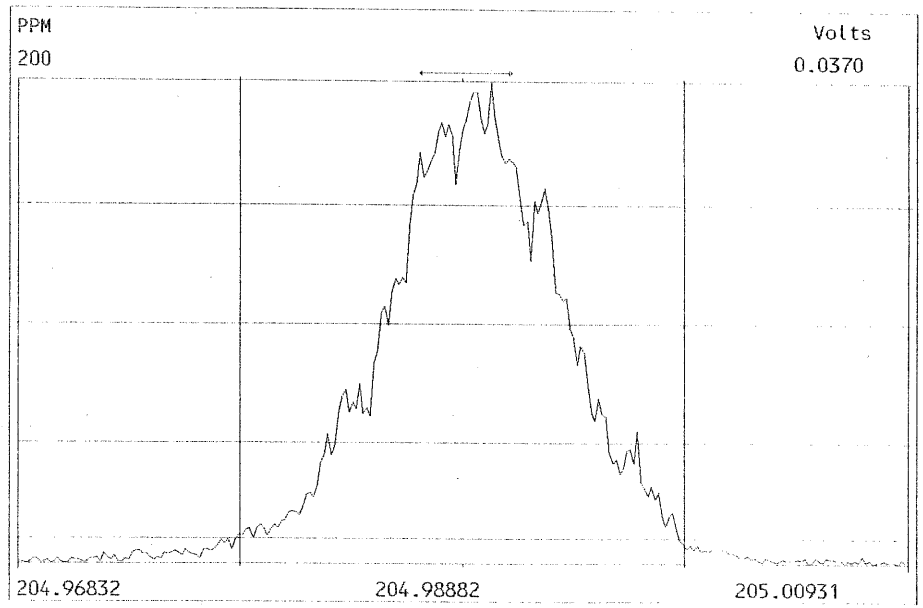
Date:_____

Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

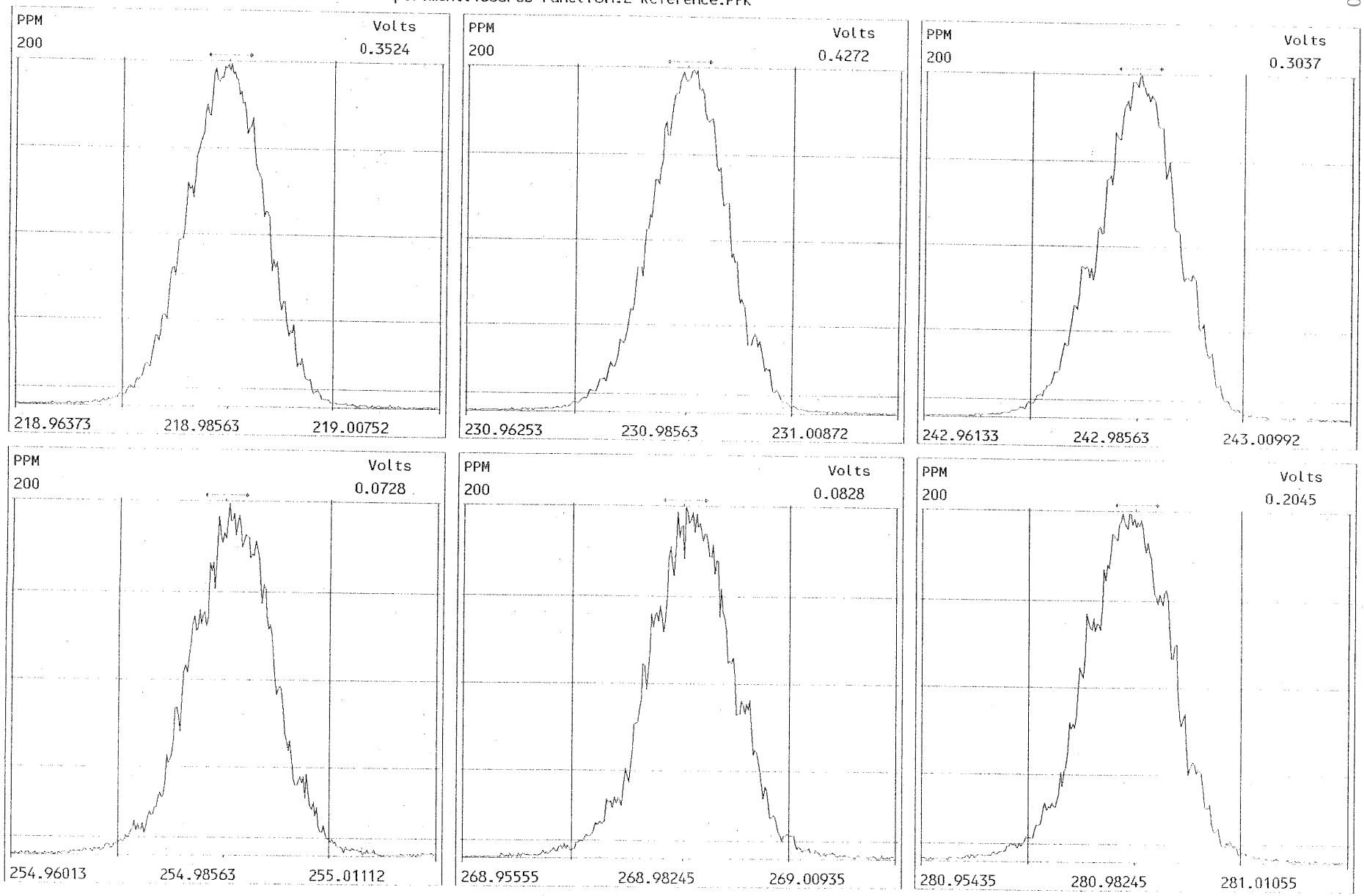




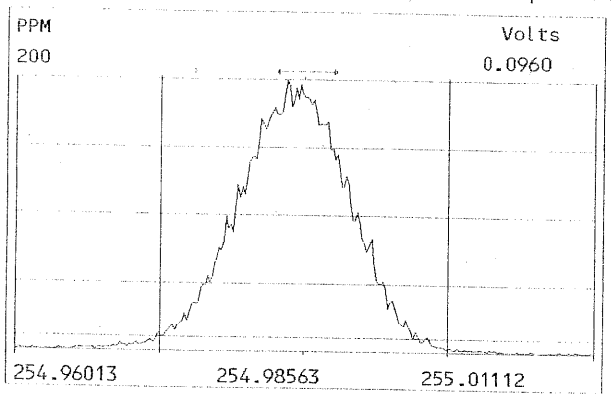


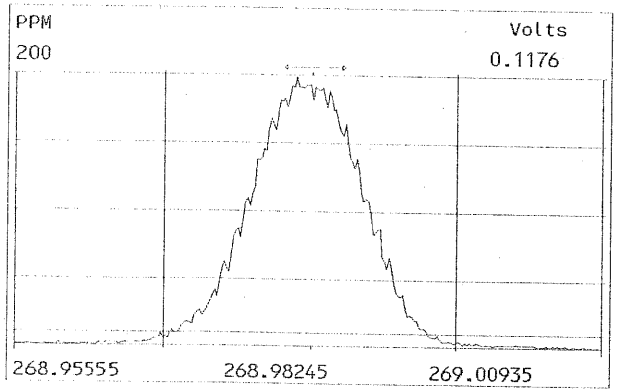


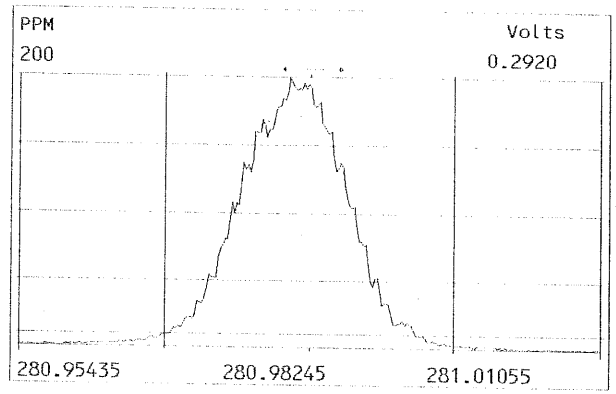
Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

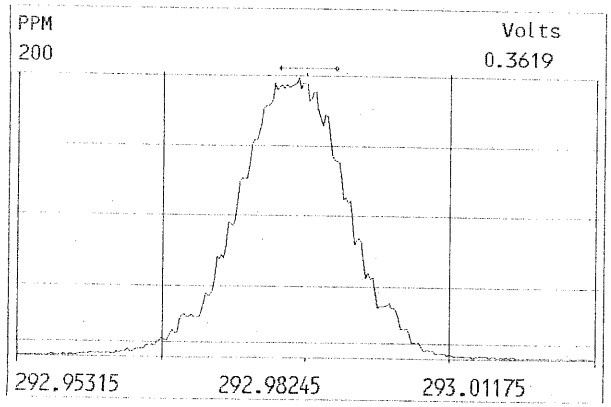


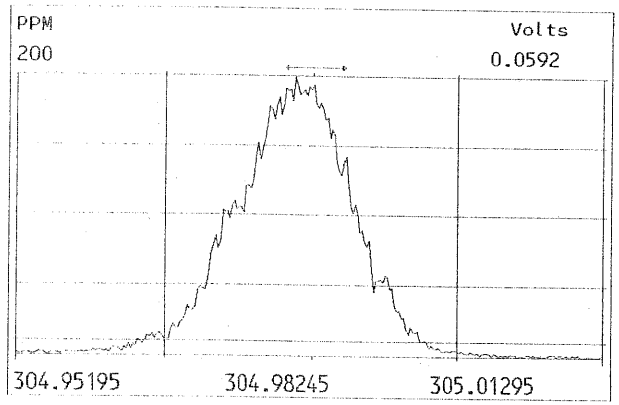
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

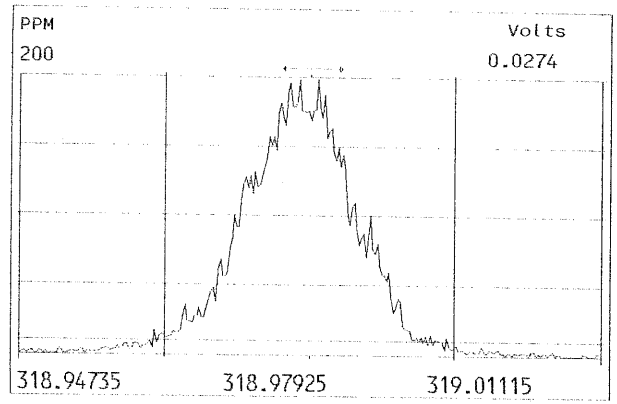


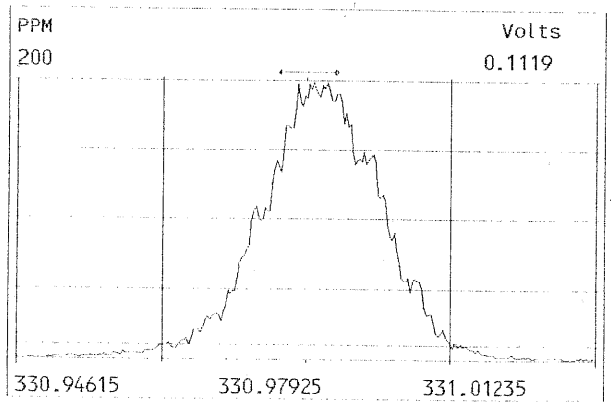


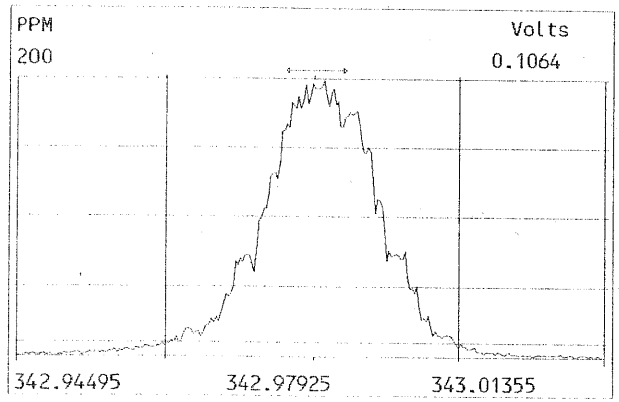




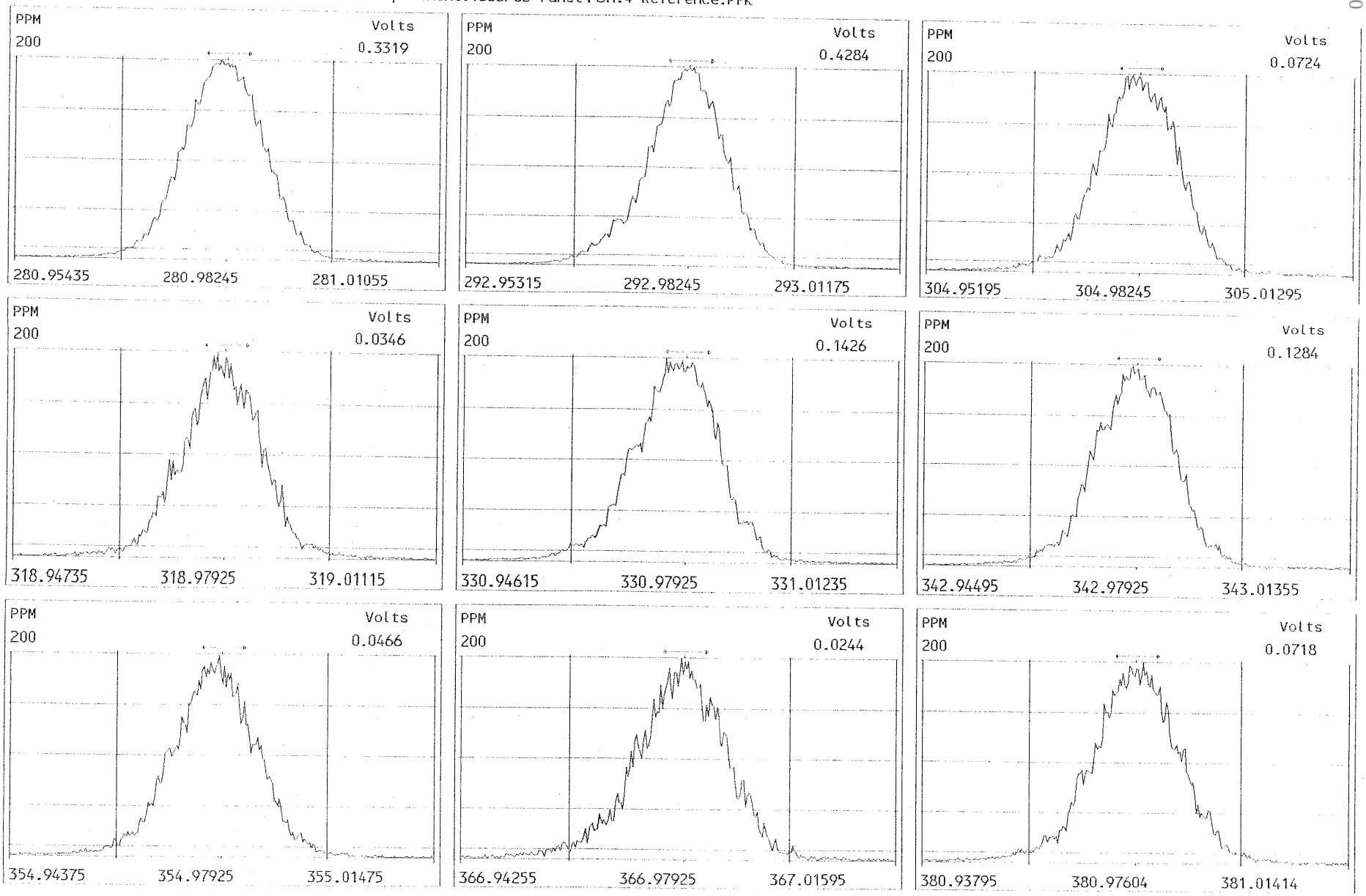




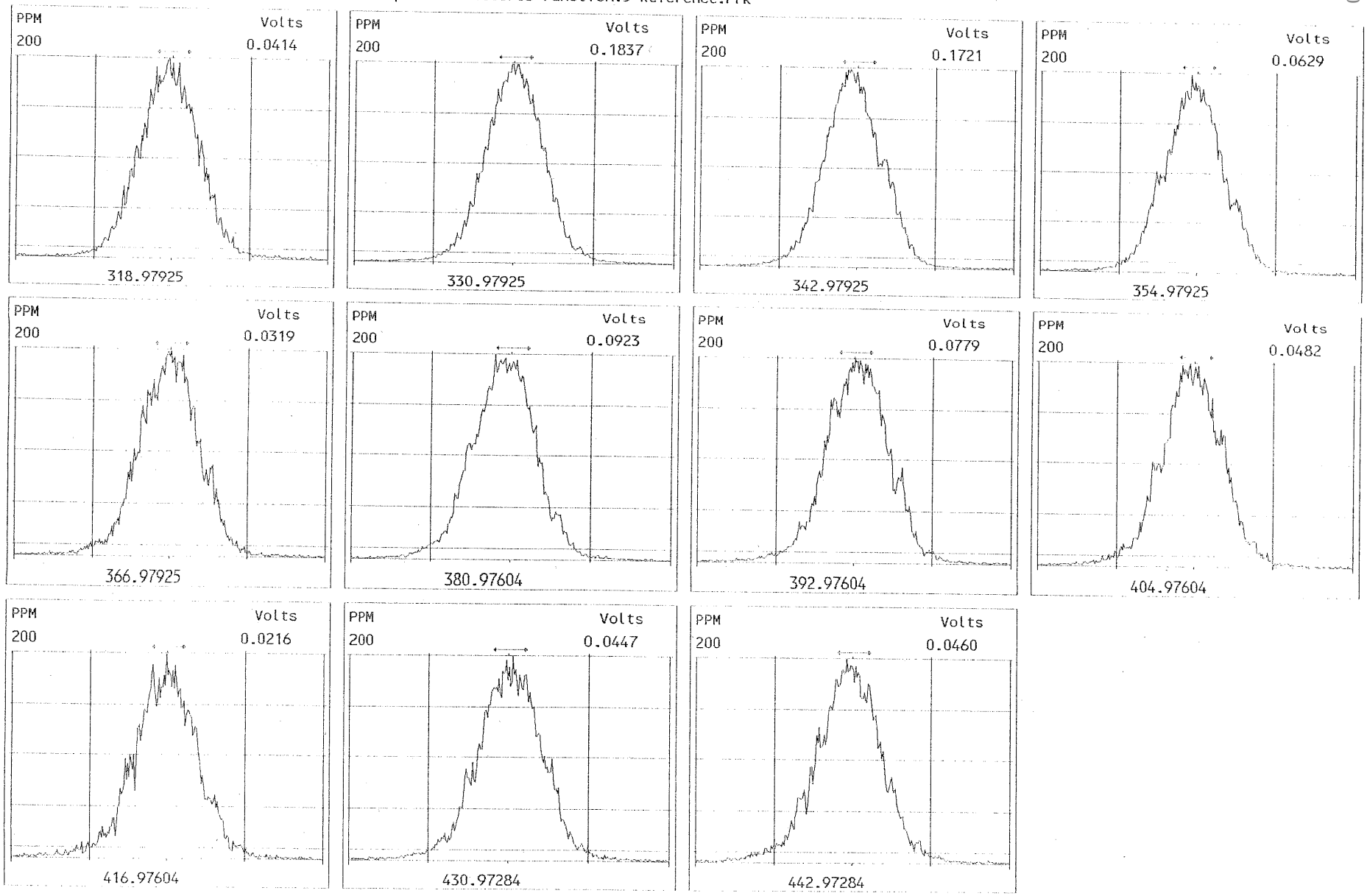




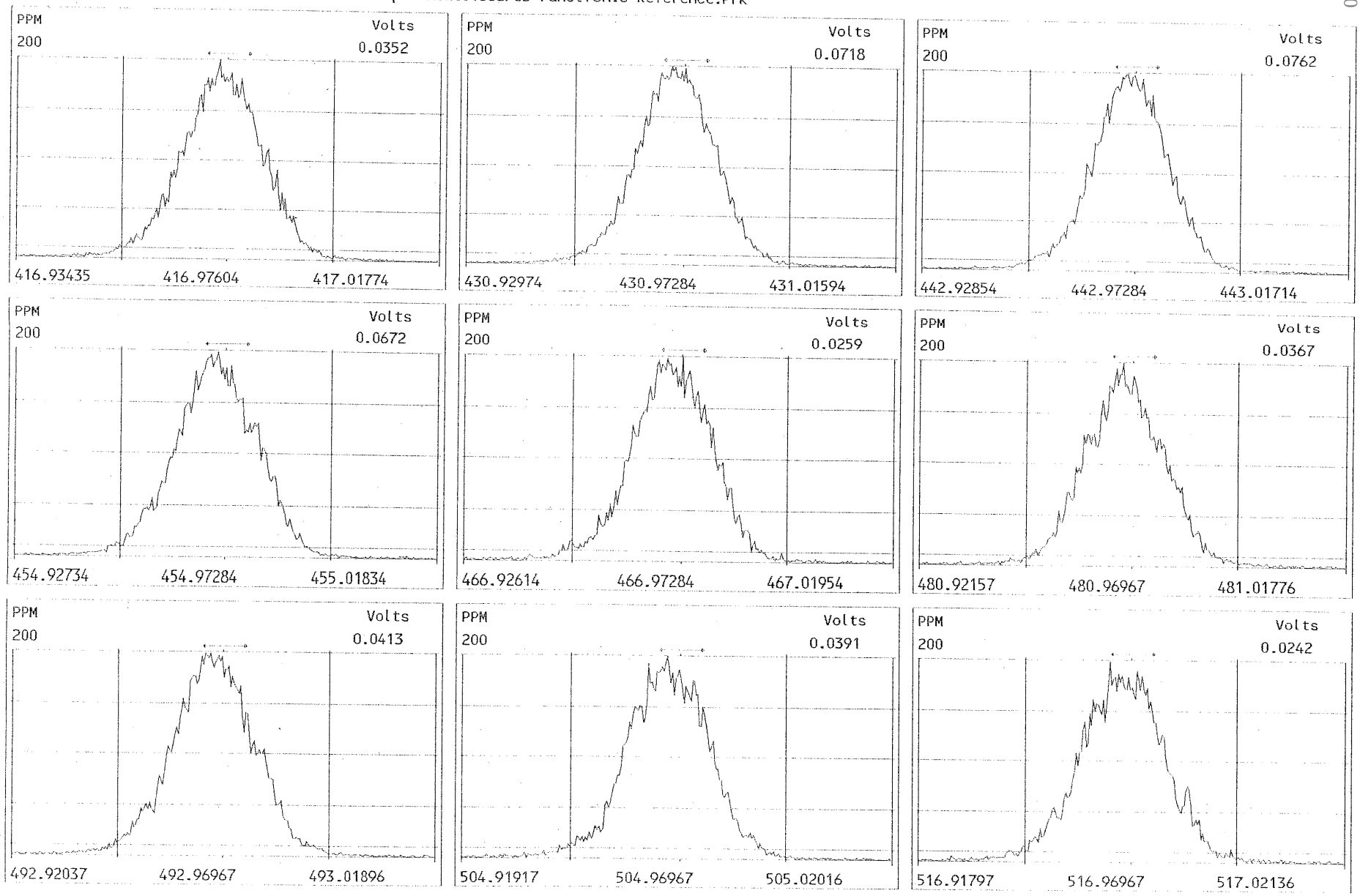
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:4 Reference:PFK



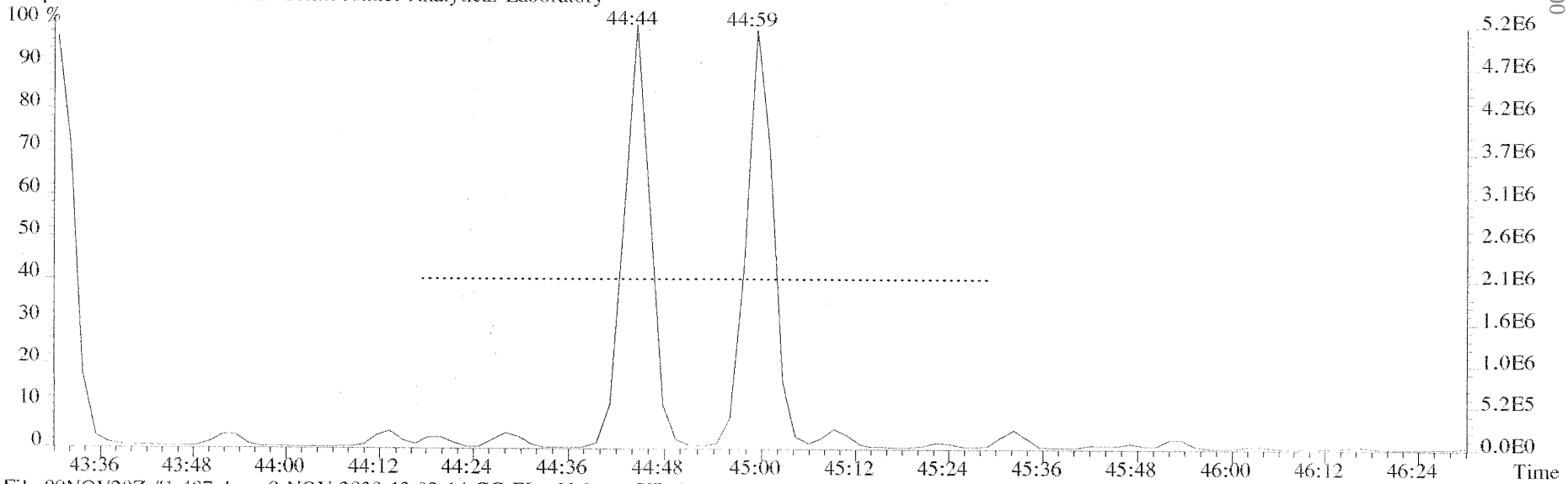
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:5 Reference:PFK



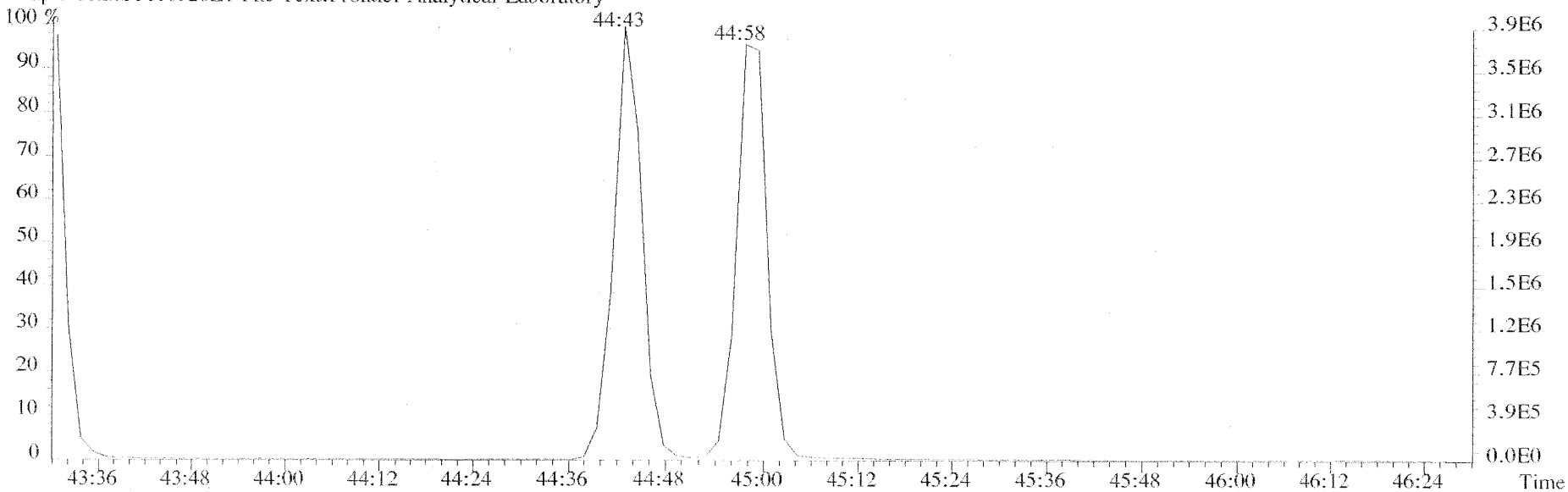
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:6 Reference:PFK



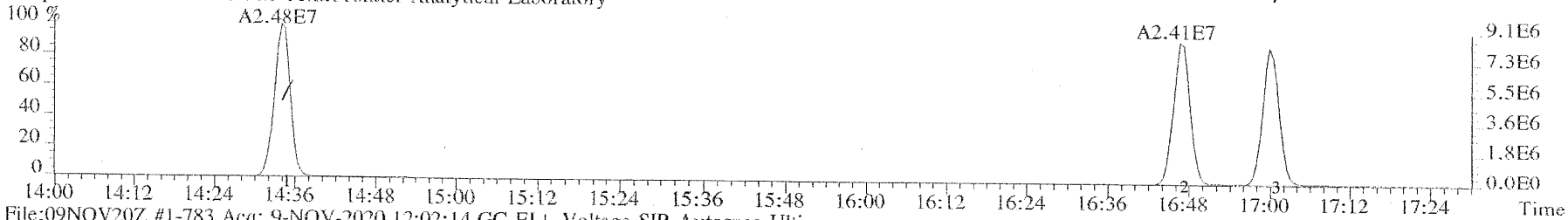
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



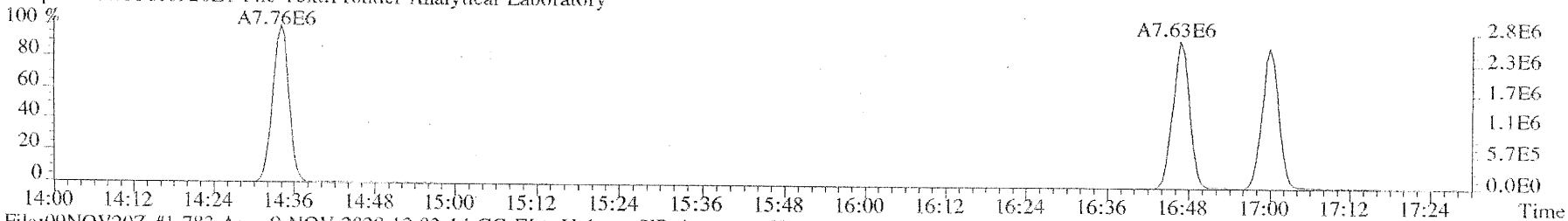
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



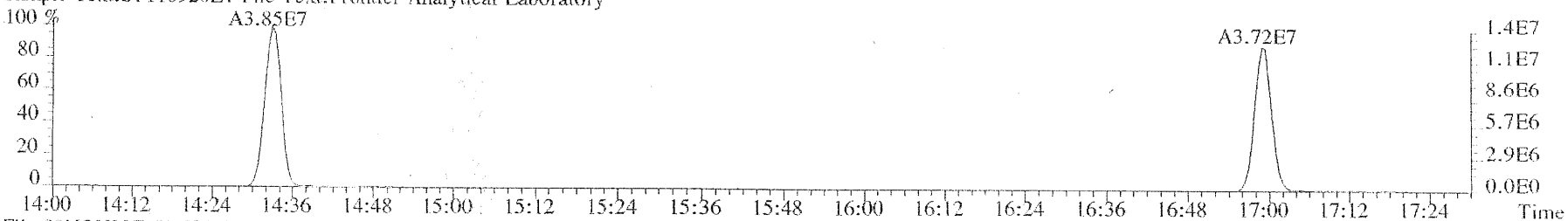
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



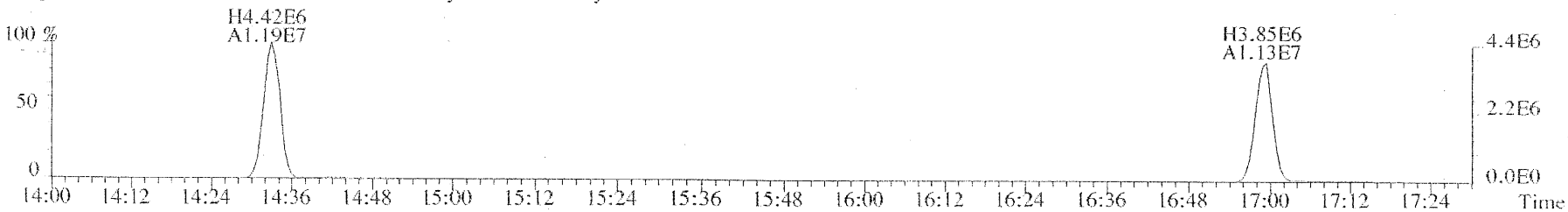
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



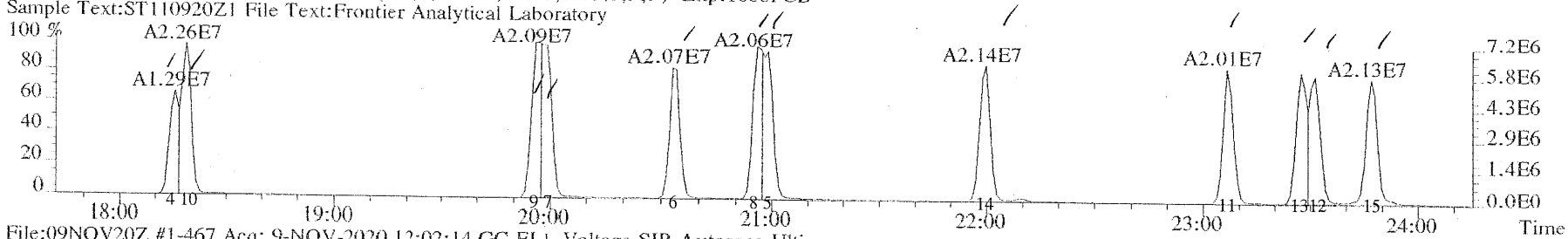
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



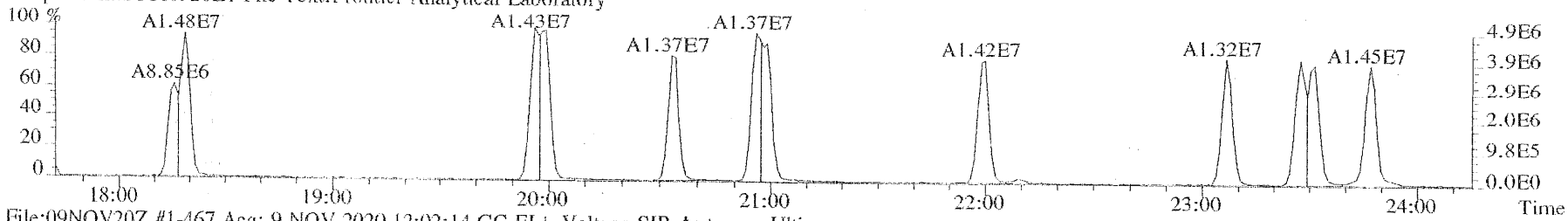
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



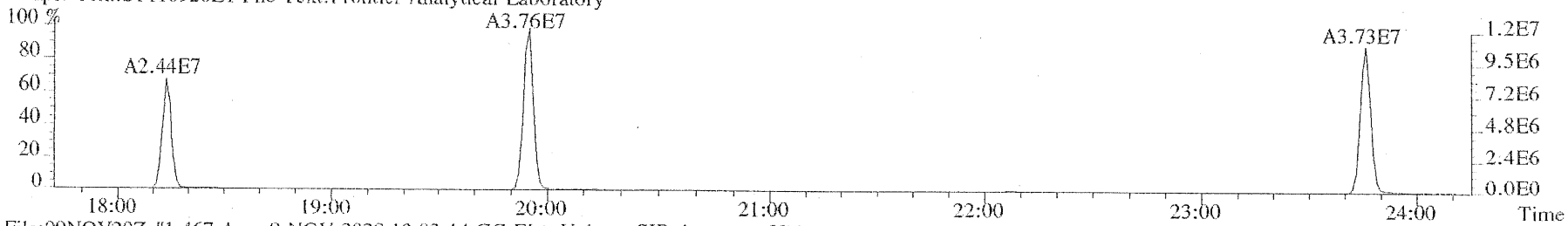
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



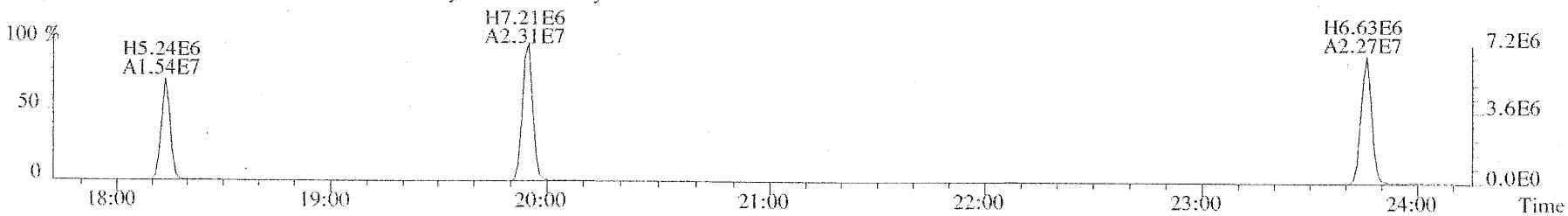
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



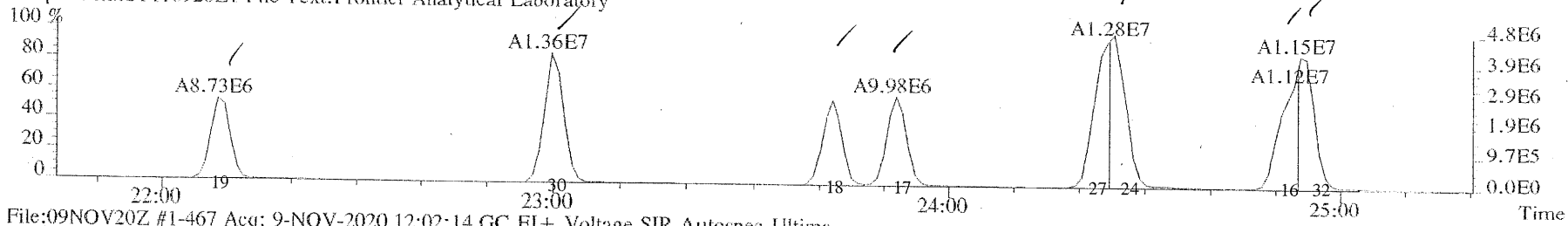
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



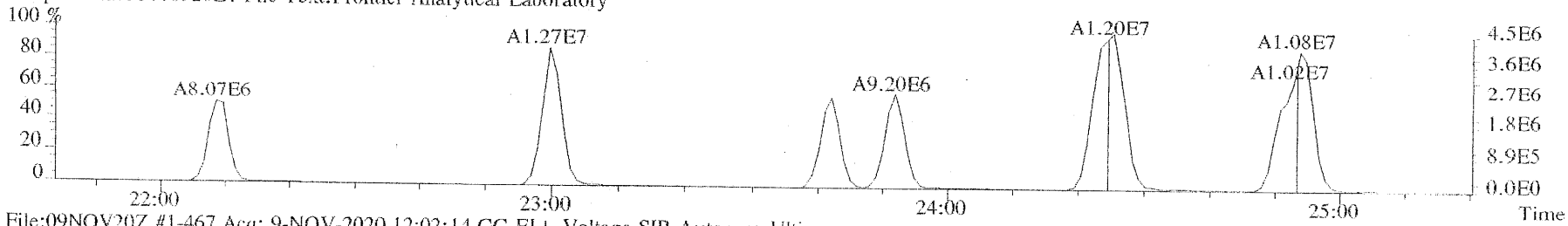
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



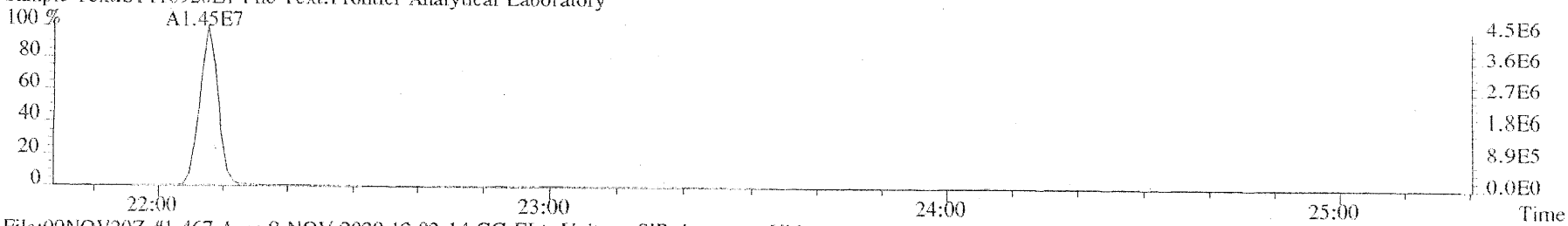
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



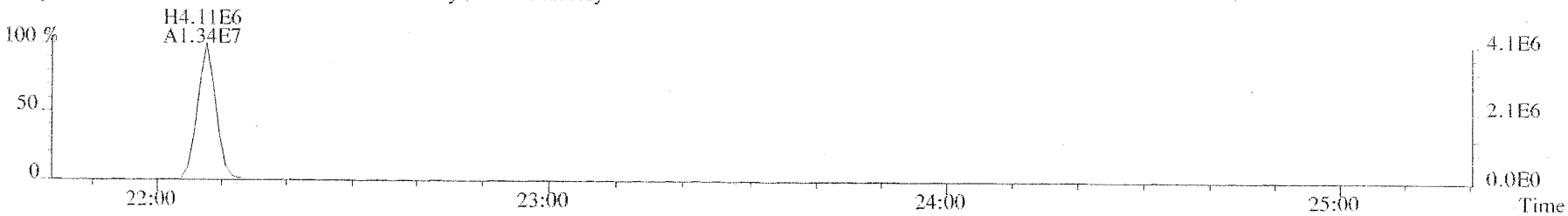
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



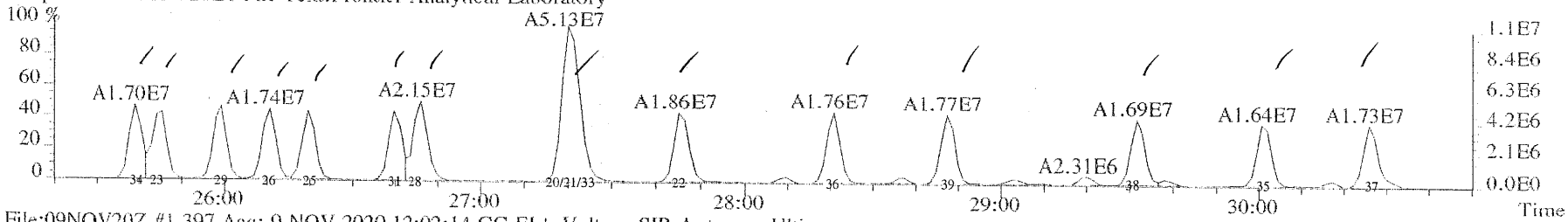
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



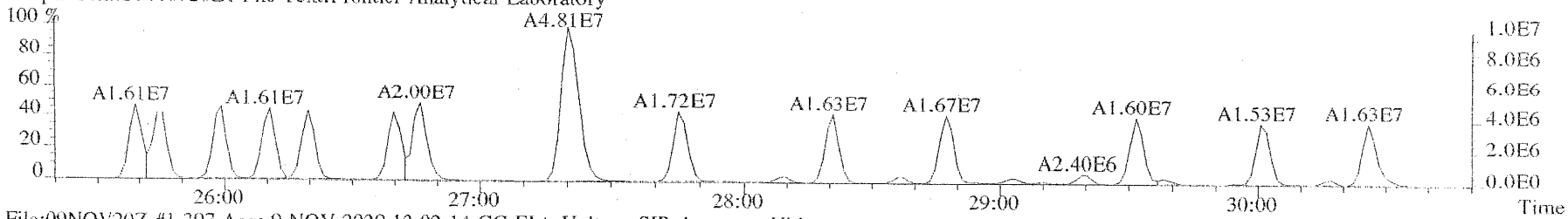
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



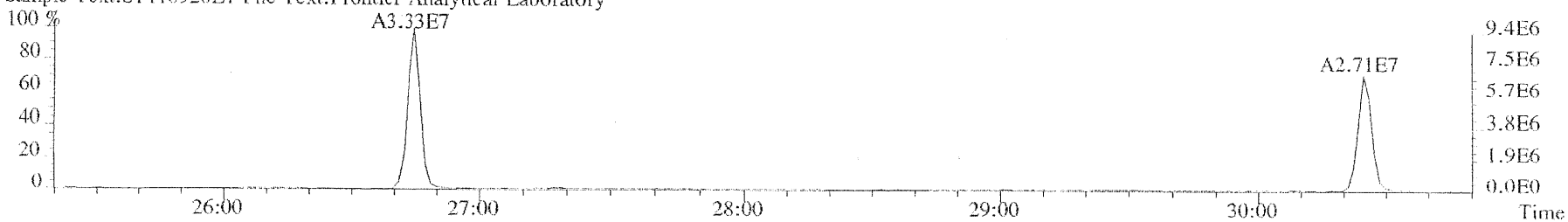
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



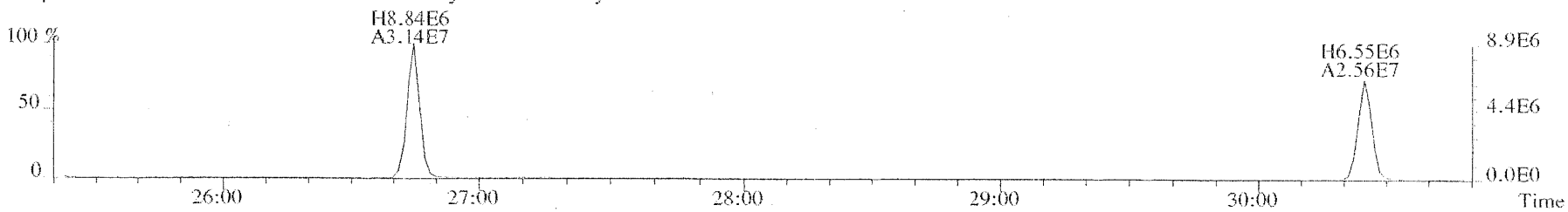
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



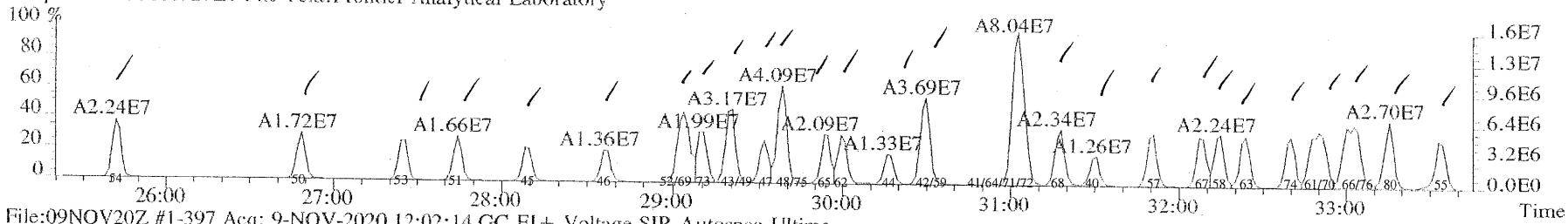
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



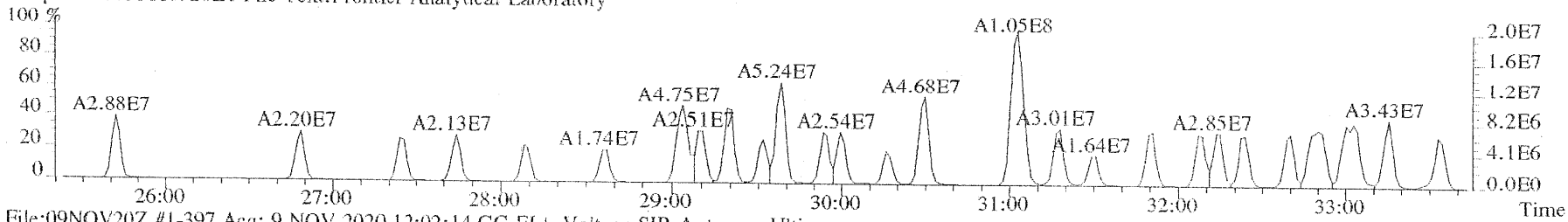
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



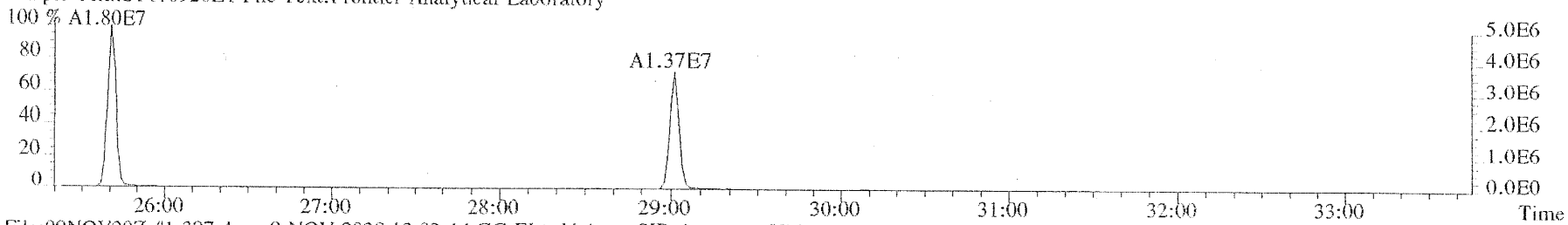
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



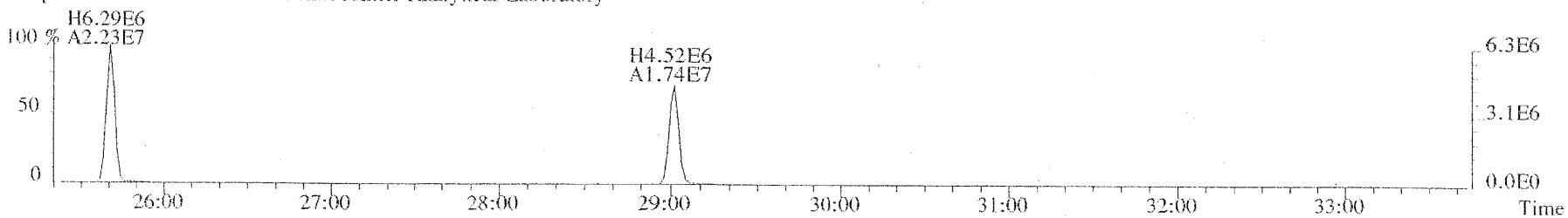
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



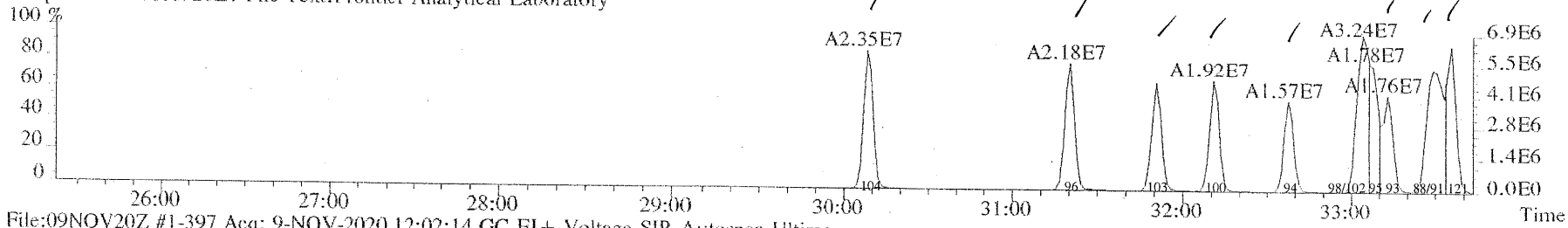
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



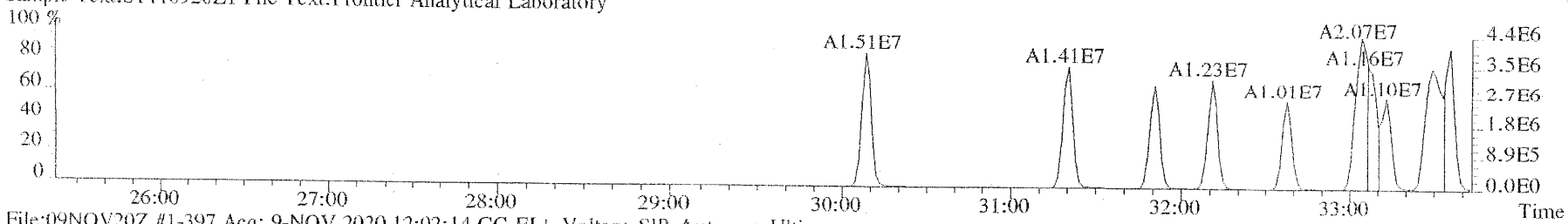
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



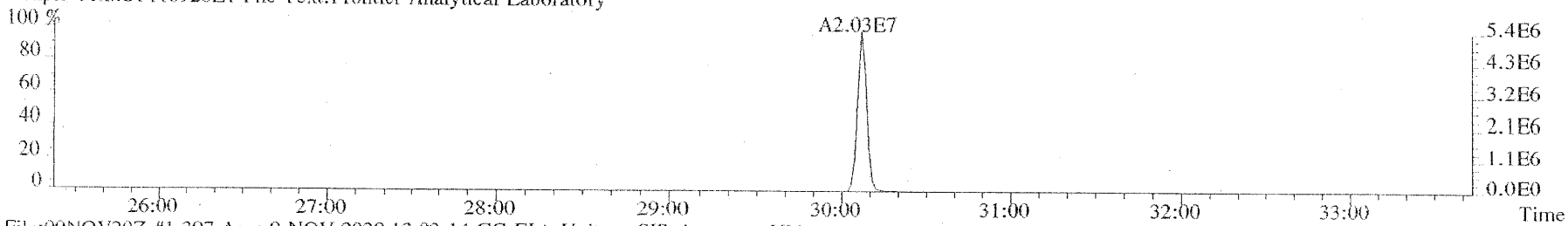
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



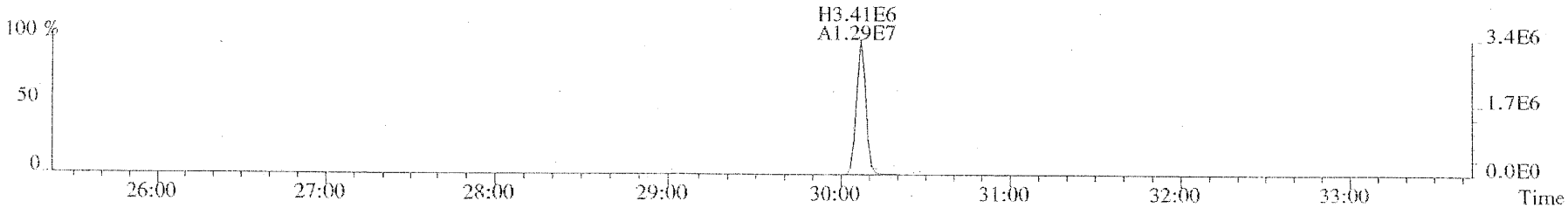
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



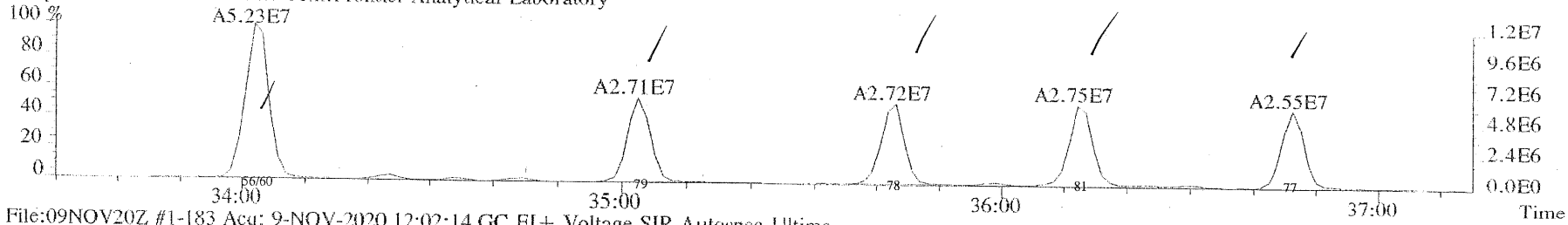
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



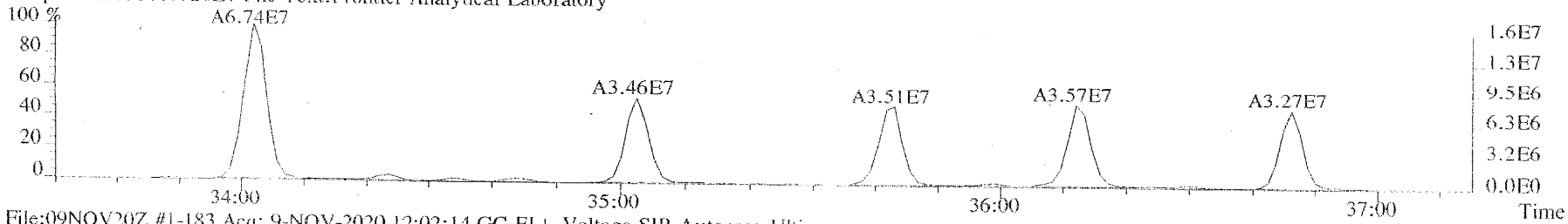
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



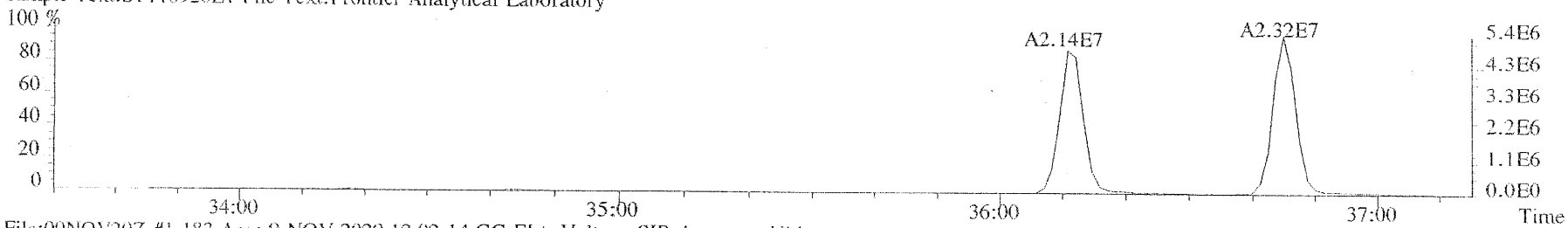
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



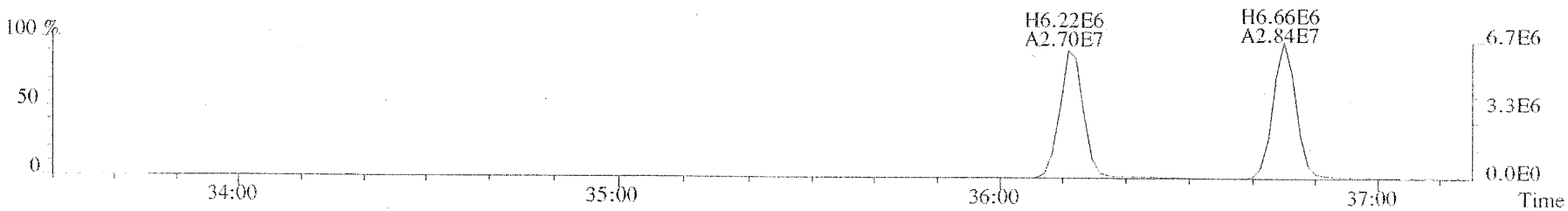
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



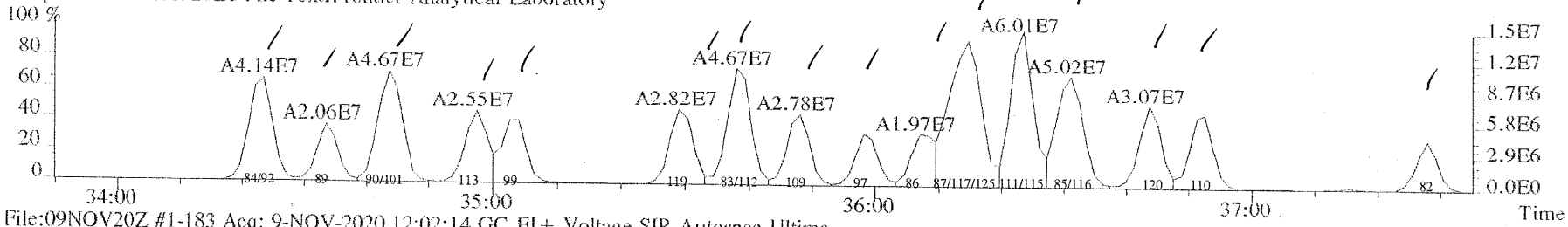
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



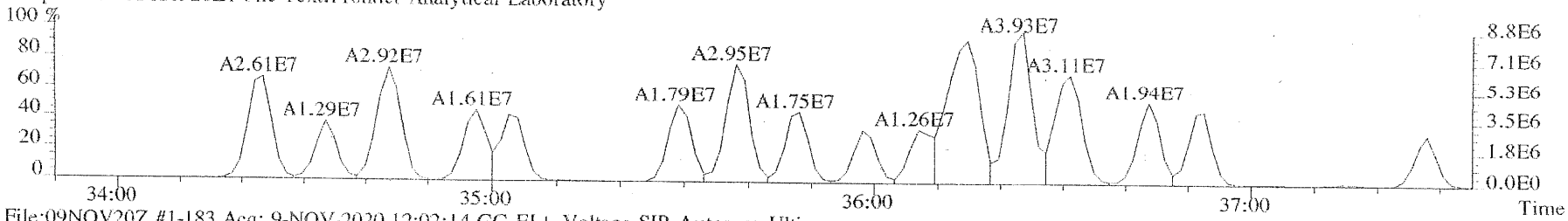
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



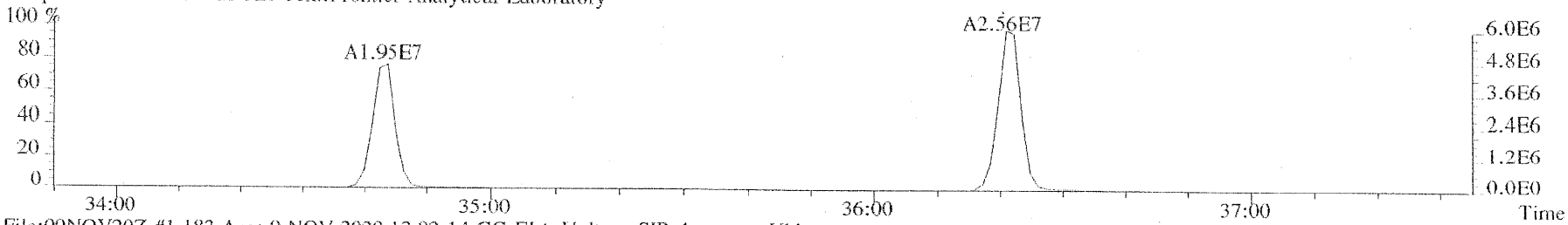
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



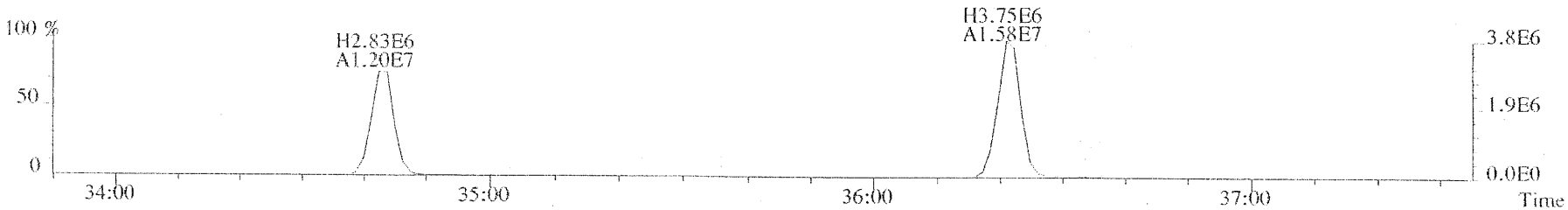
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



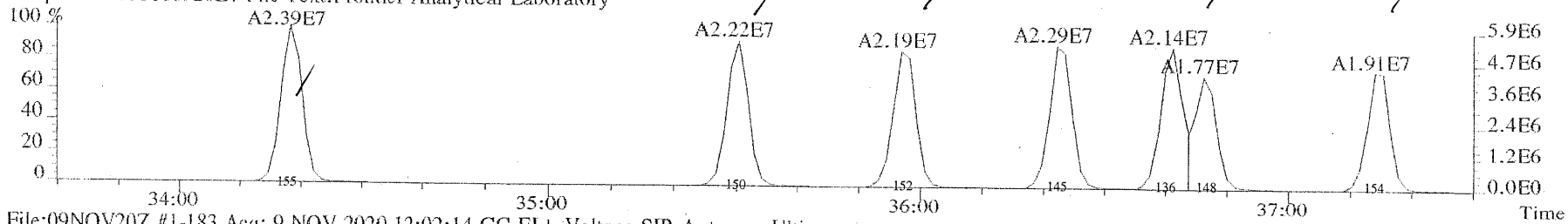
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



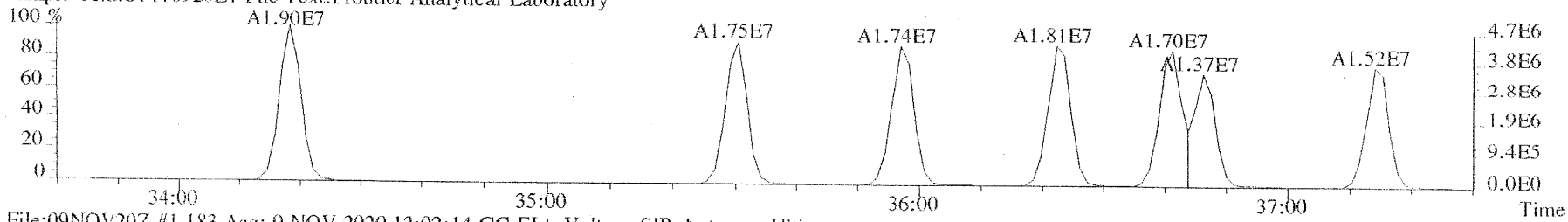
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



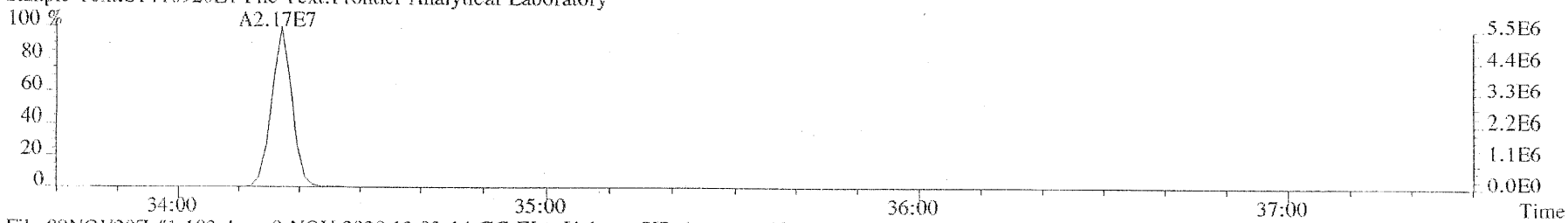
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



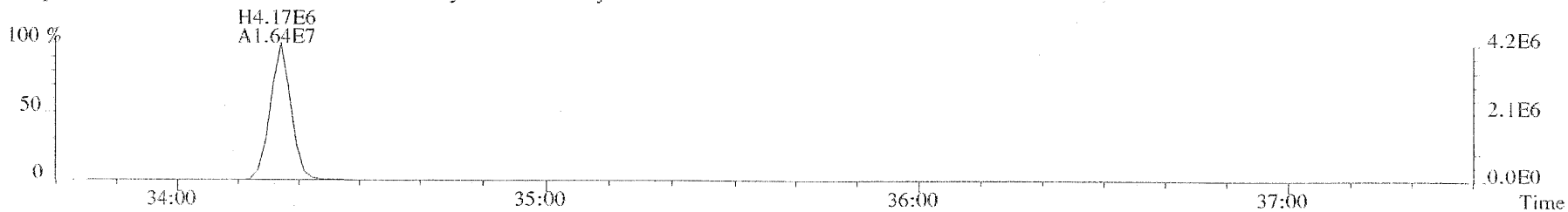
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



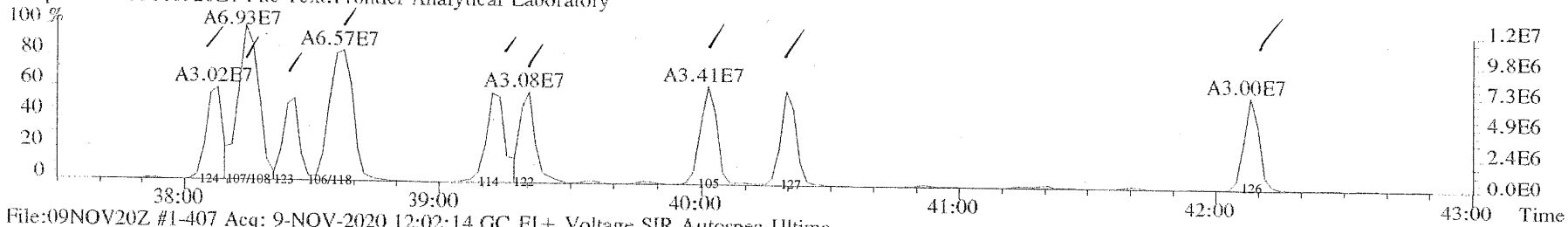
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



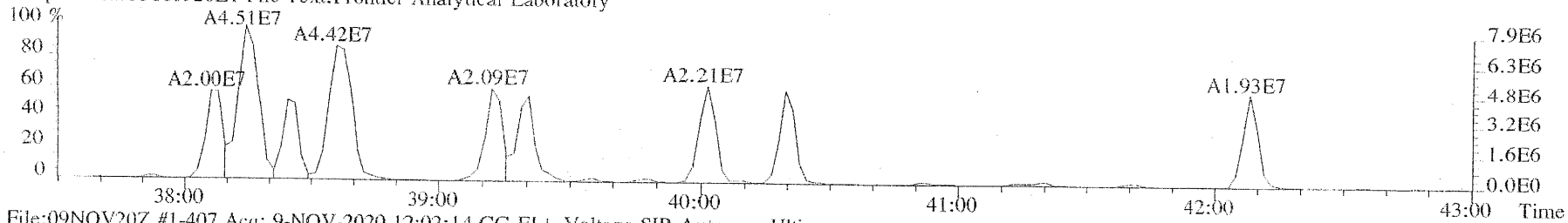
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



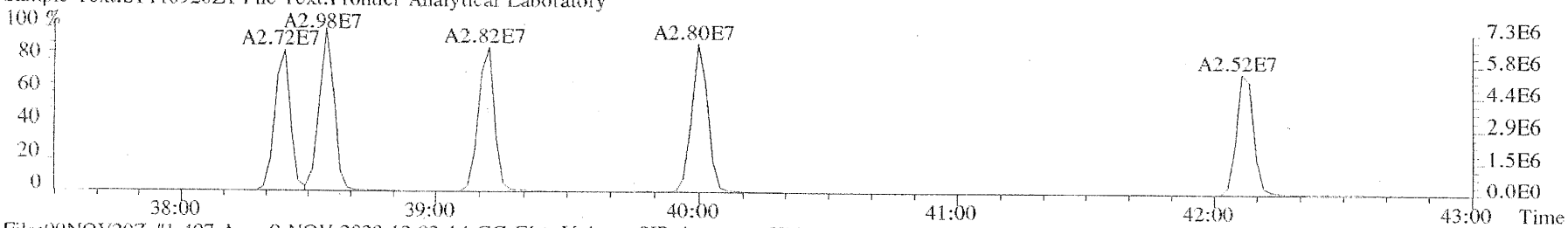
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



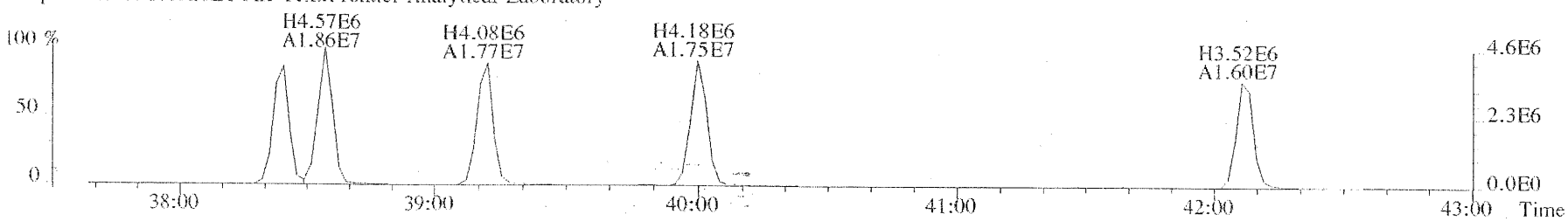
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



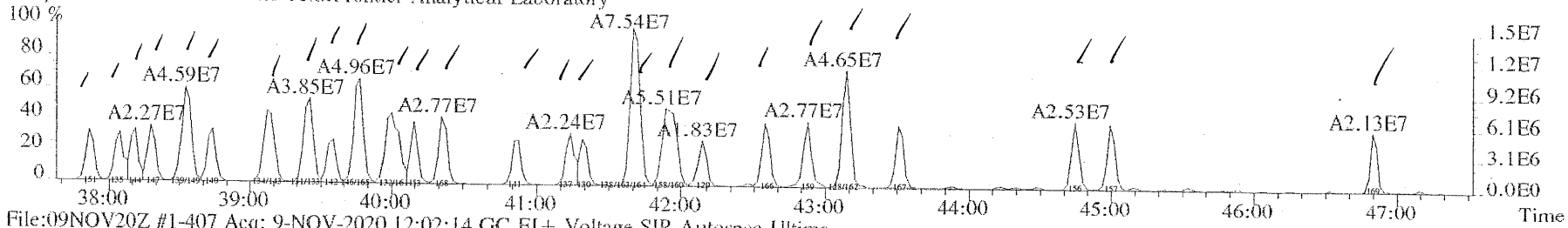
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



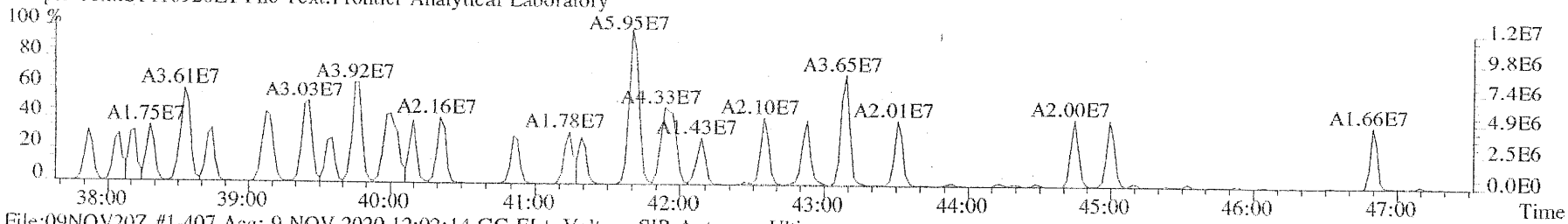
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



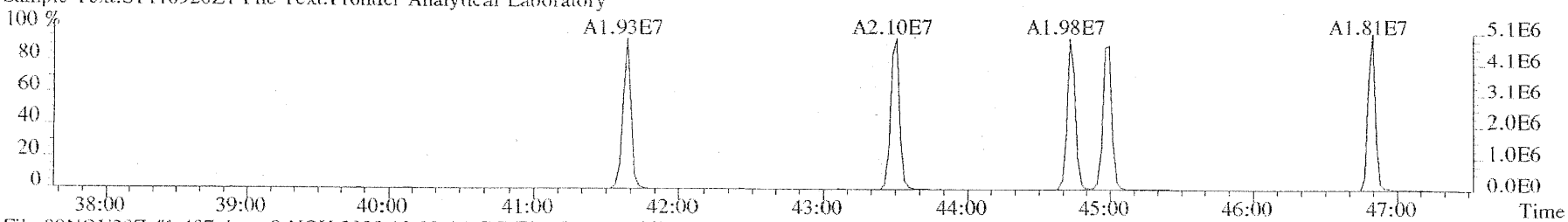
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



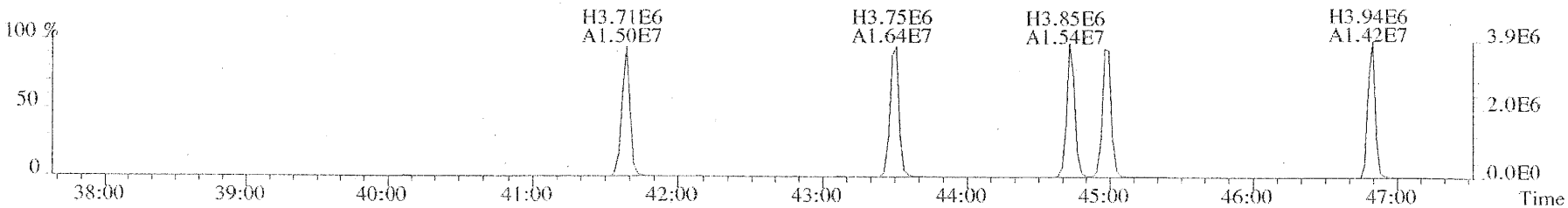
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



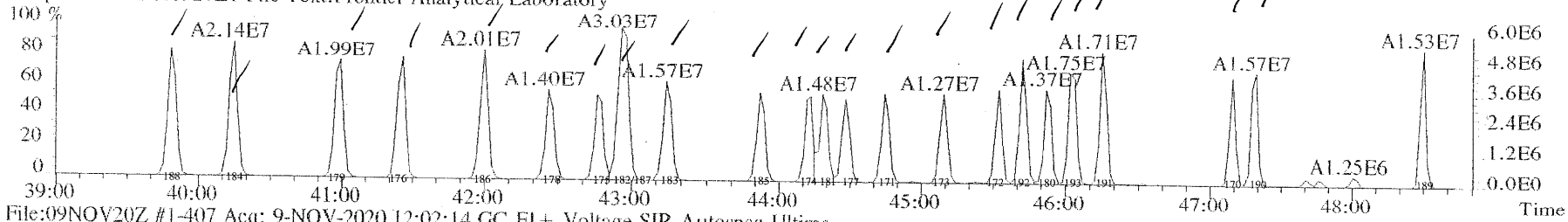
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



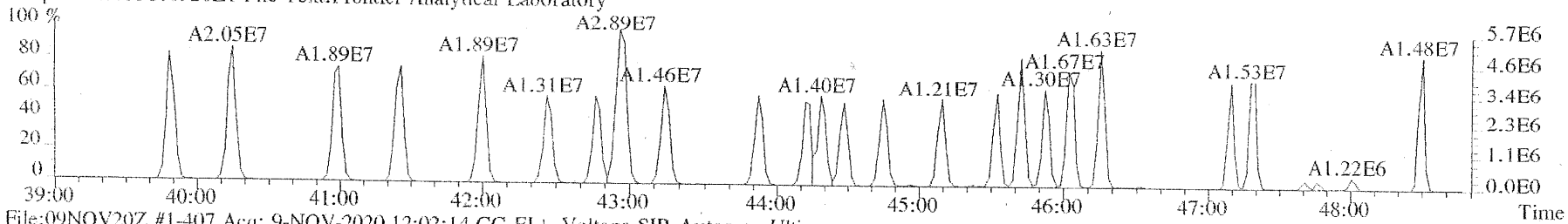
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



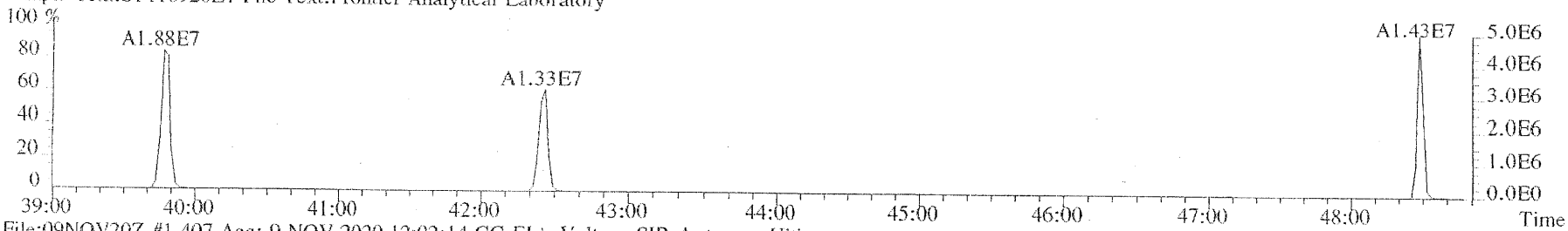
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



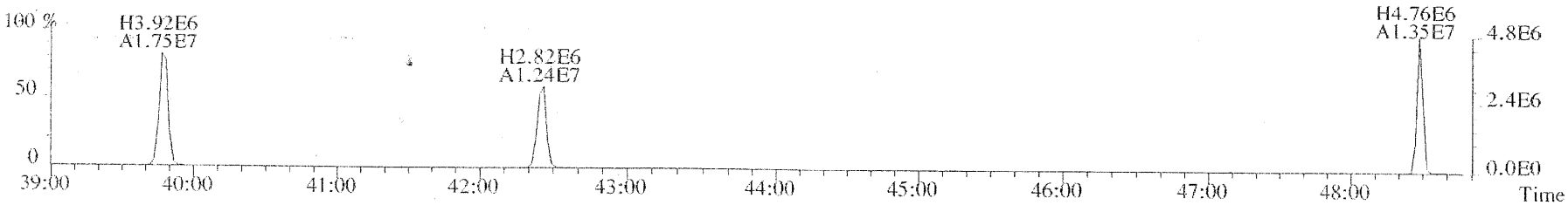
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



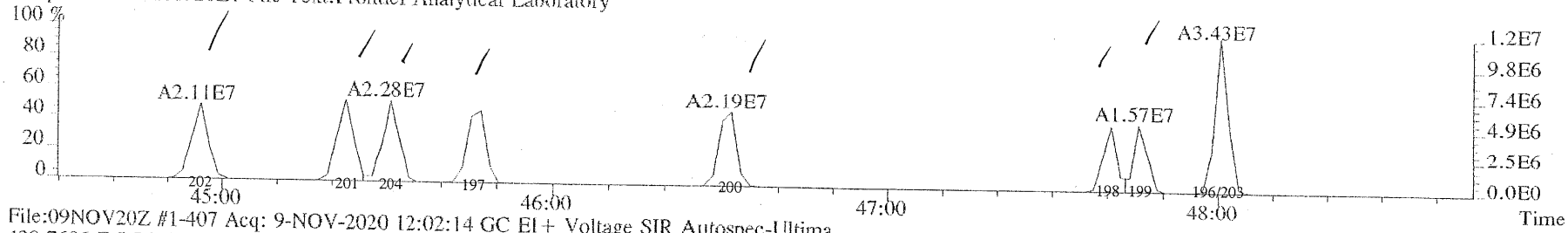
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



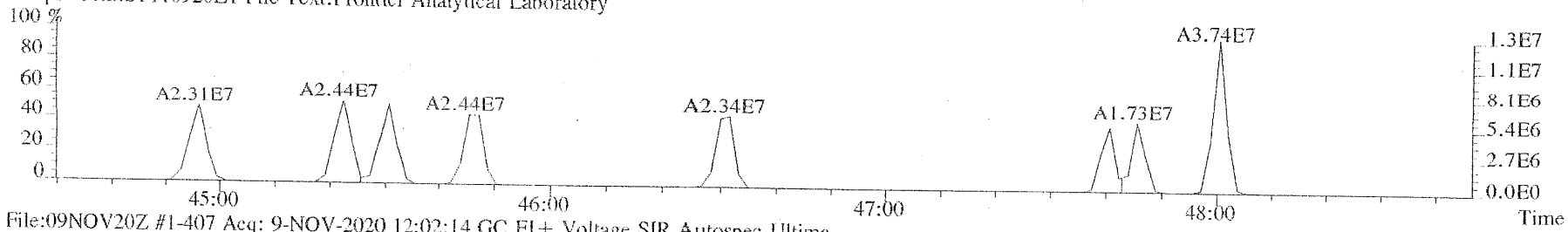
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



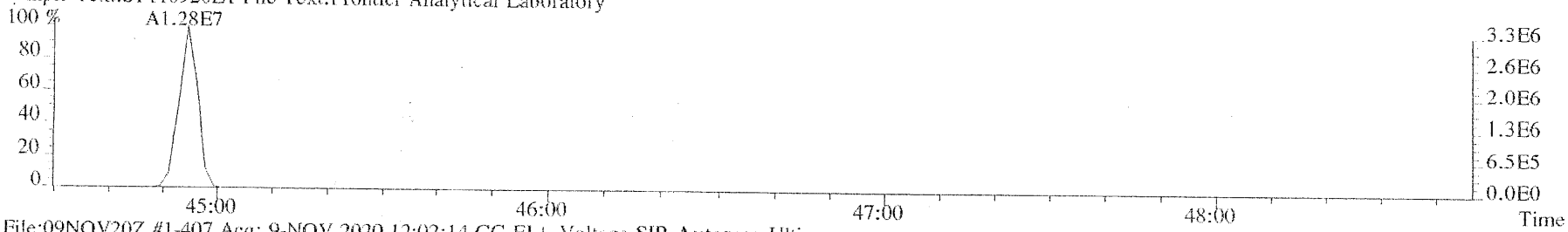
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



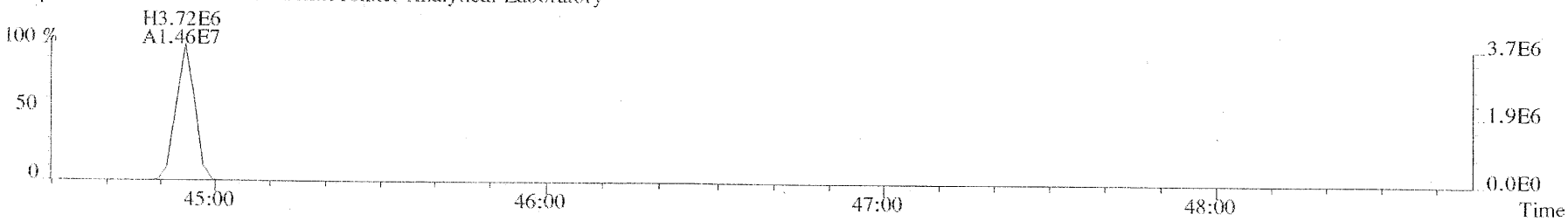
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



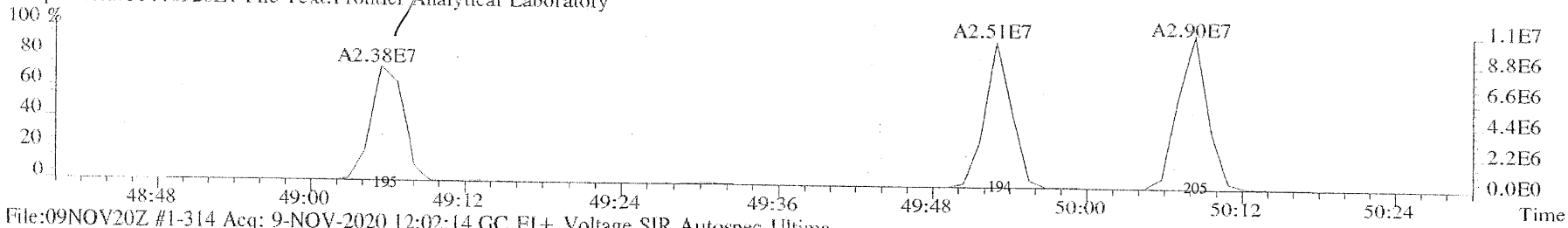
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



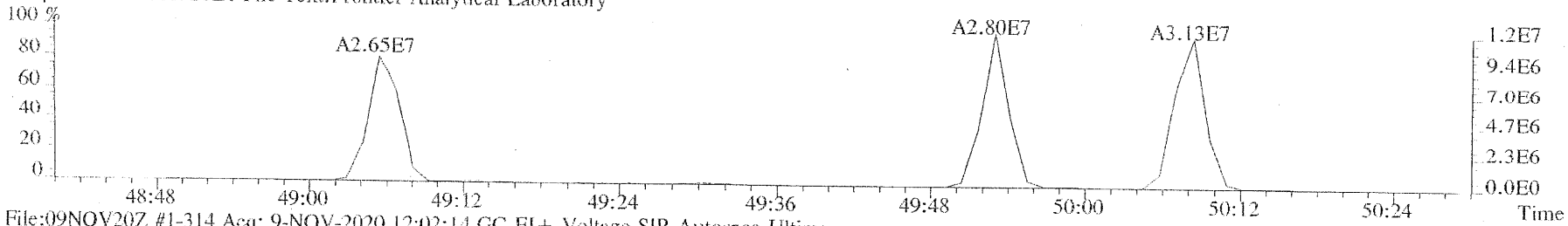
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



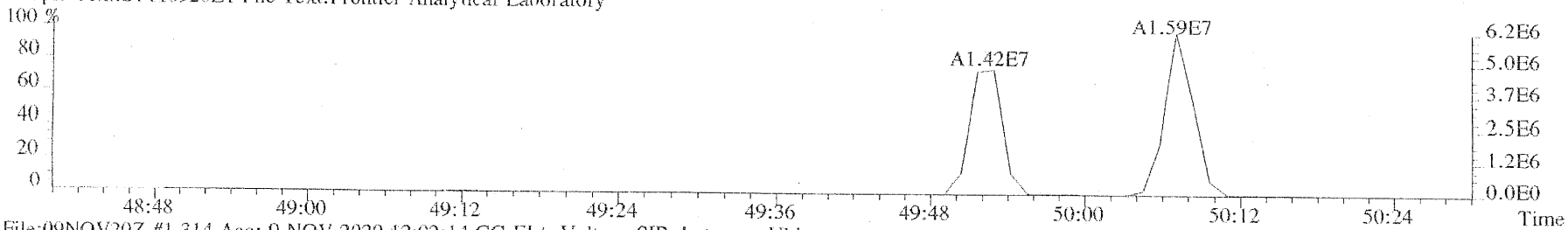
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



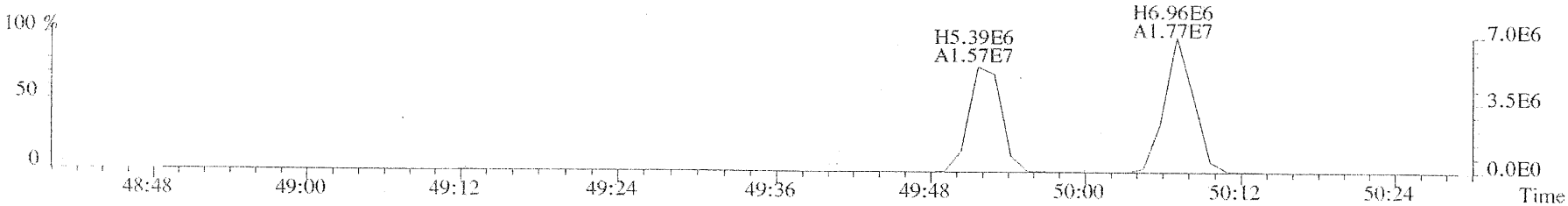
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



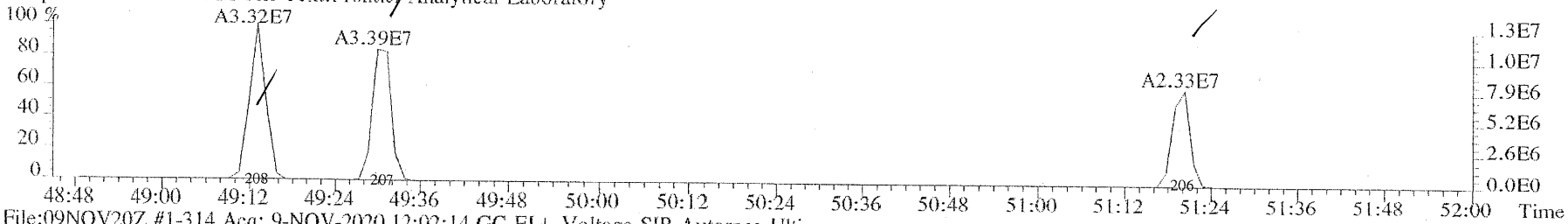
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



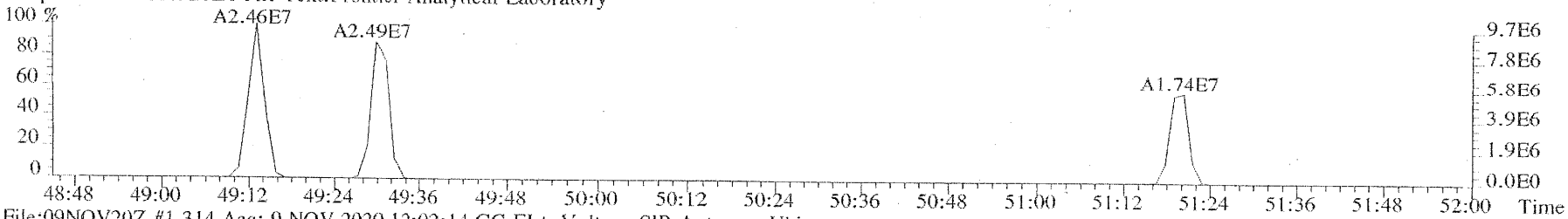
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



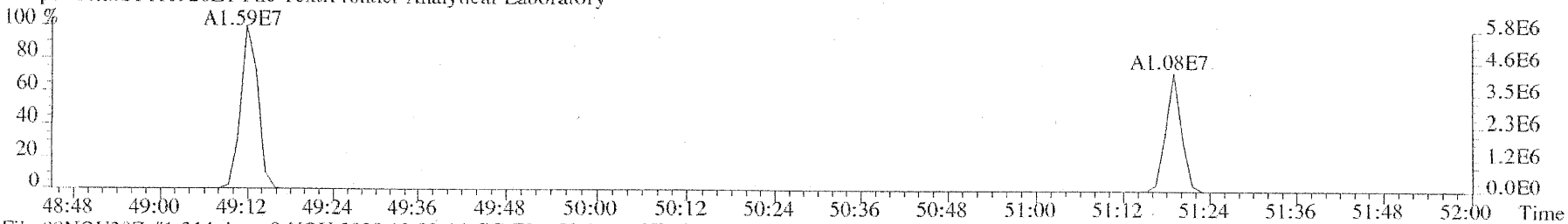
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



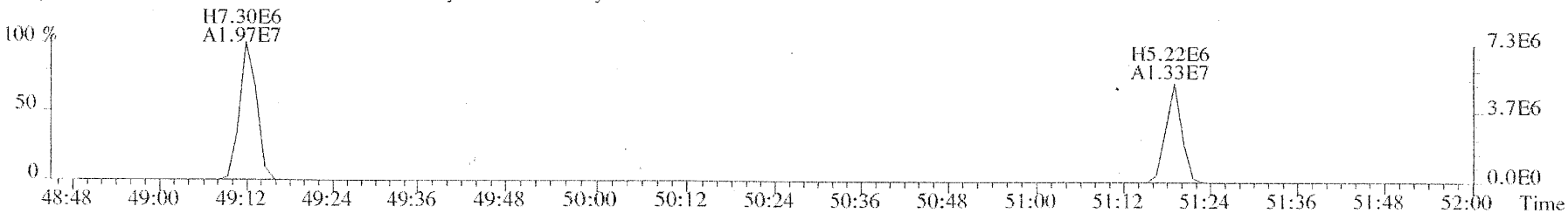
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



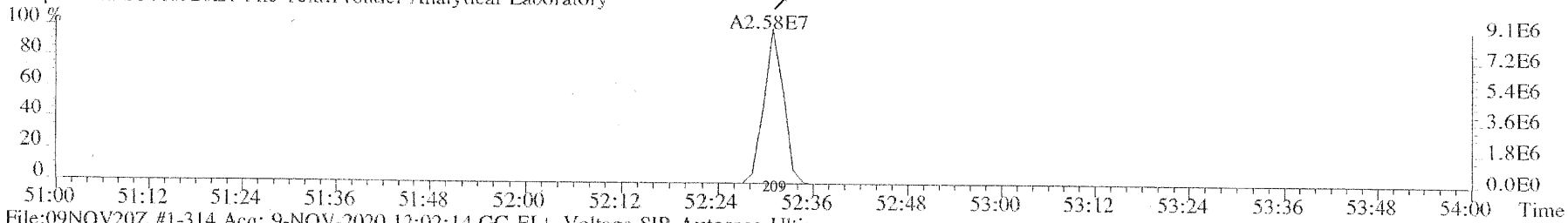
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



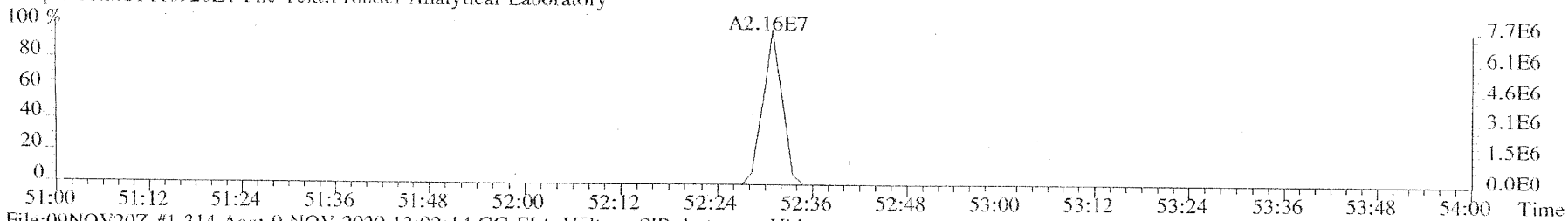
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



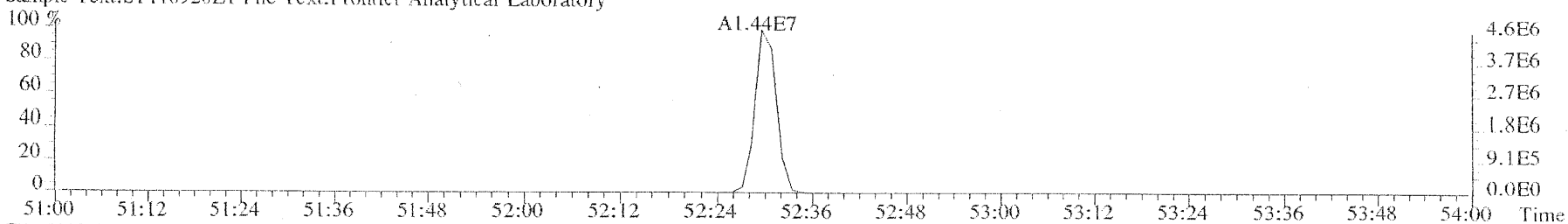
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



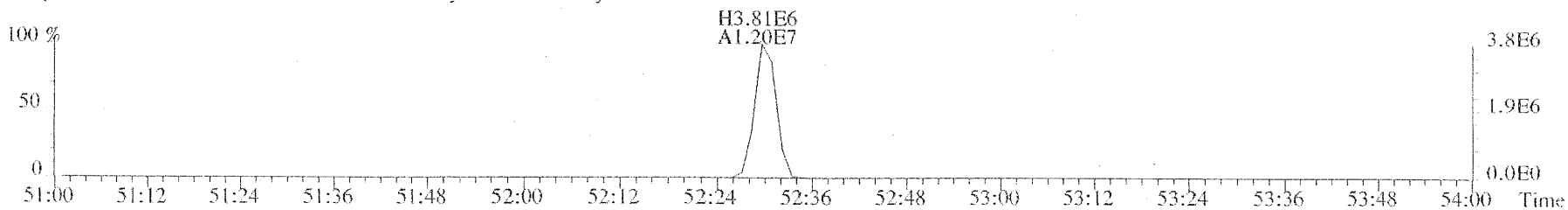
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



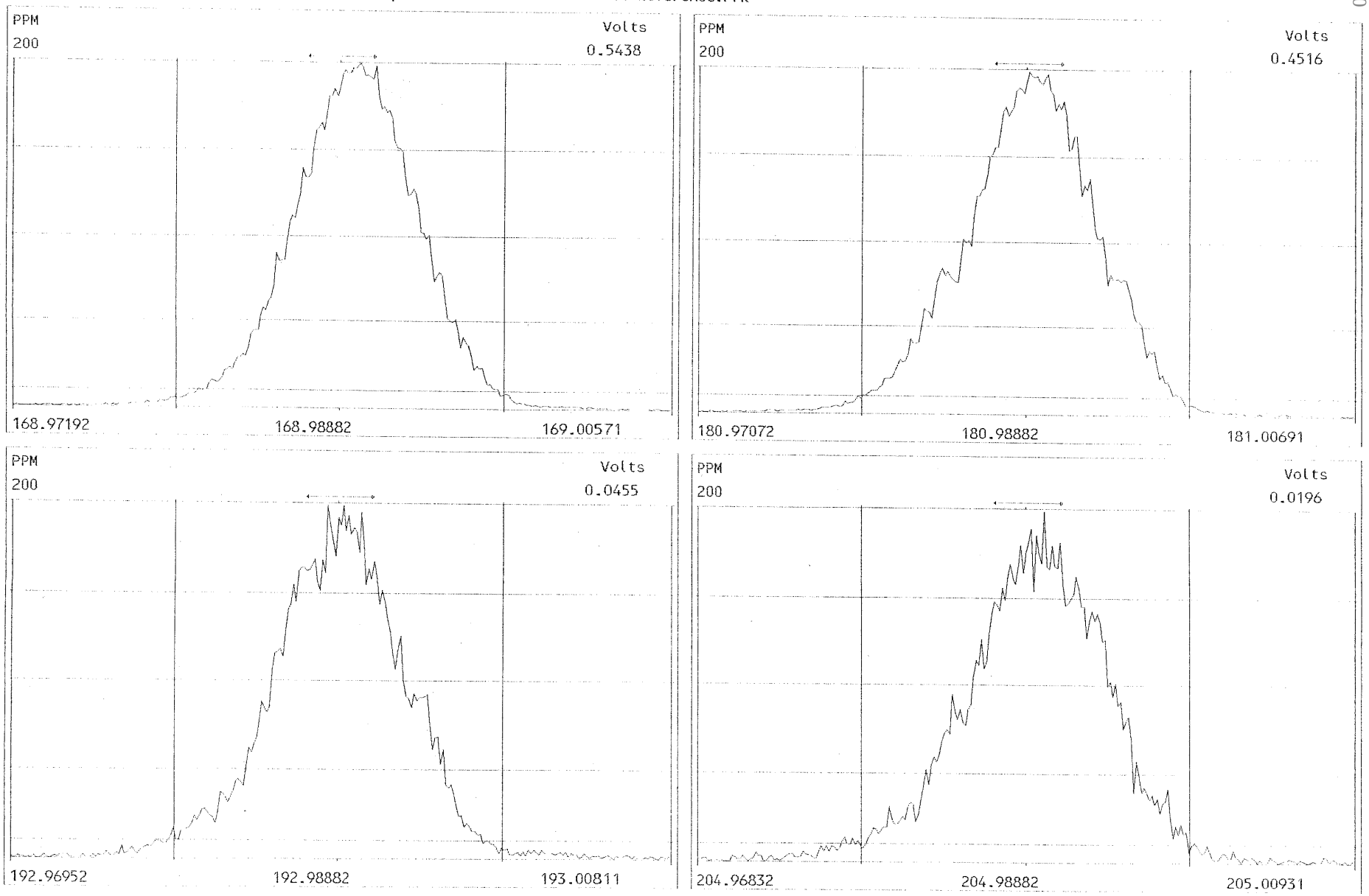
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



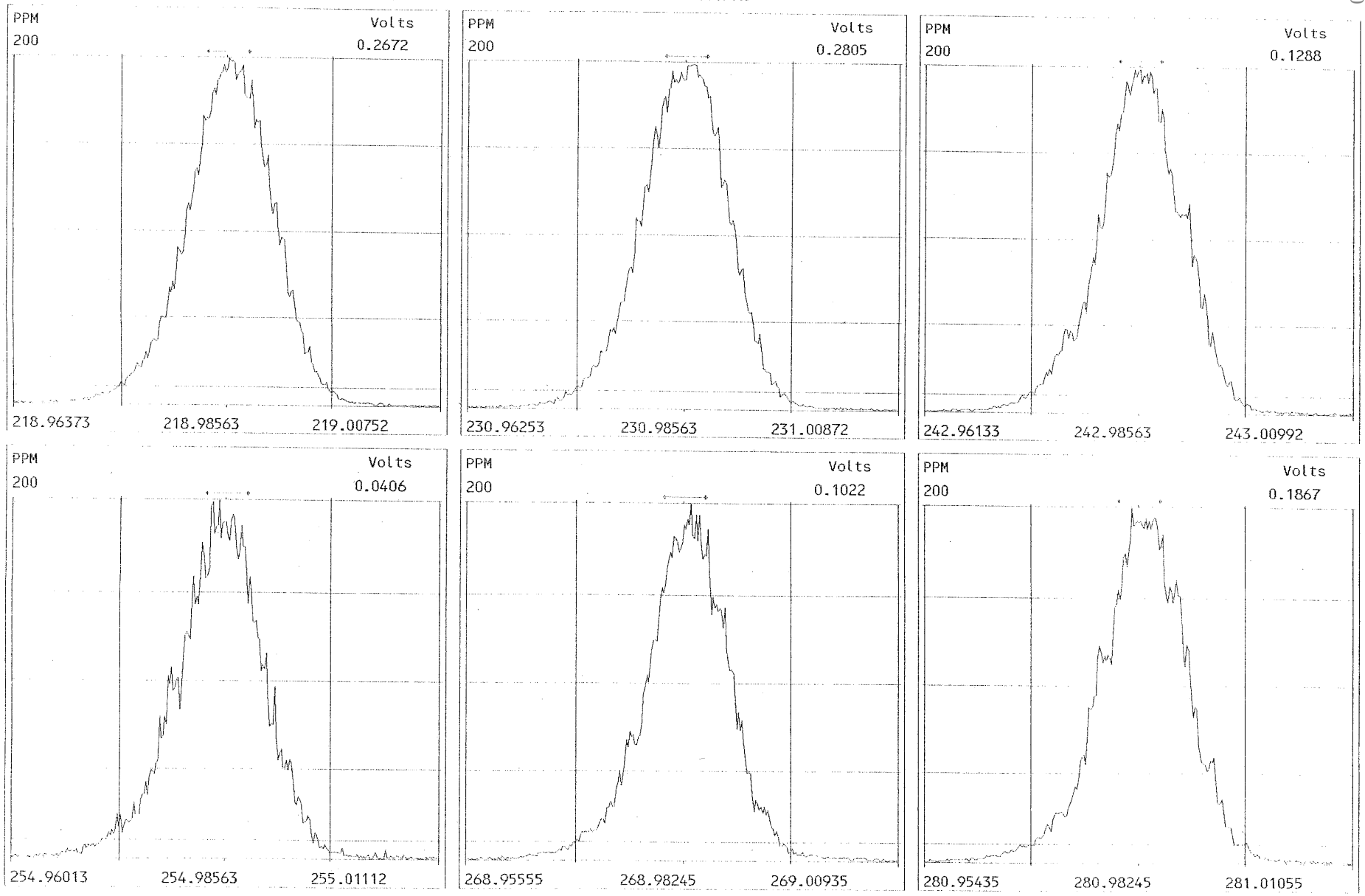
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



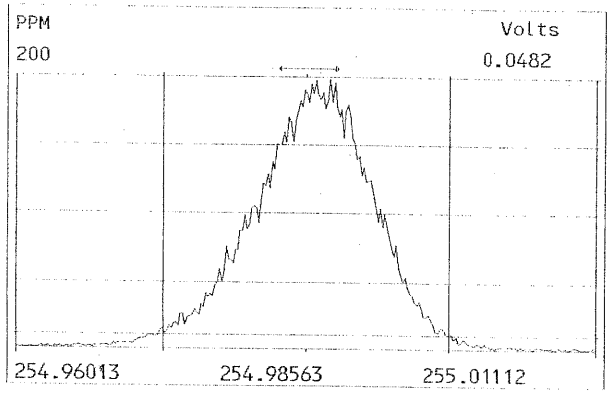
Peak Locate Examination: 9-NOV-2020:23:13 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

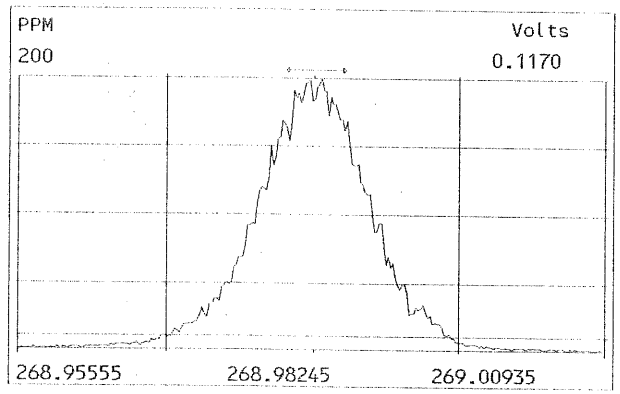


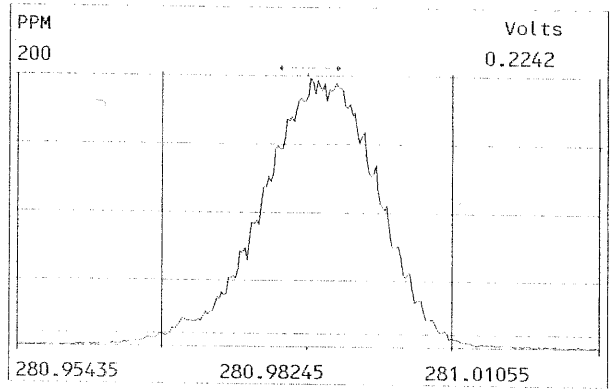
Peak Locate Examination: 9-NOV-2020:23:15 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

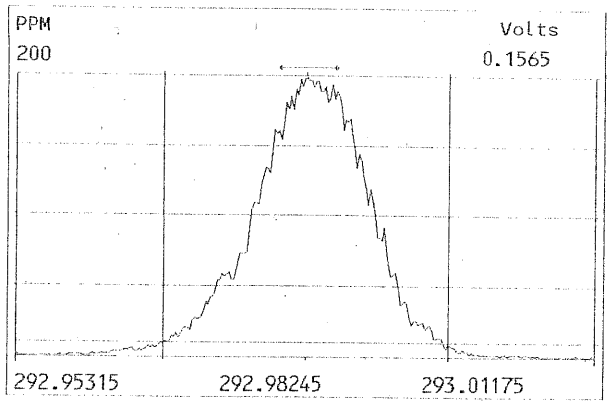


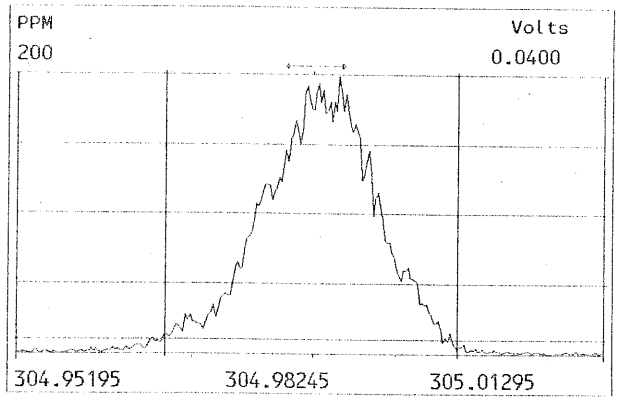
Peak Locate Examination: 9-NOV-2020:23:17 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

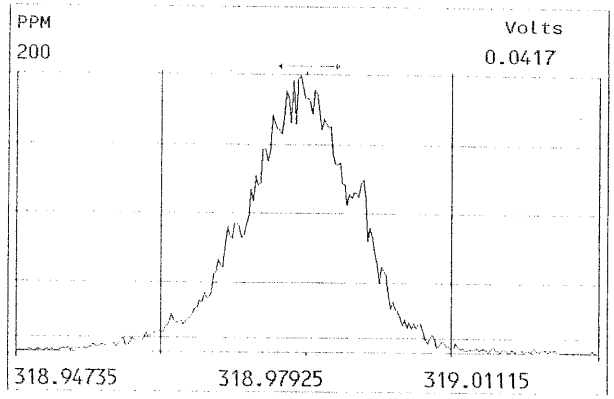


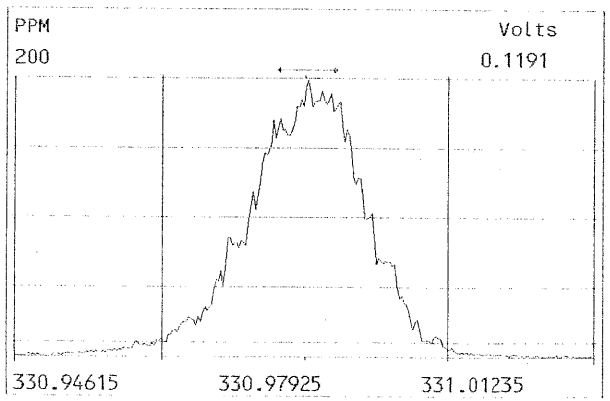


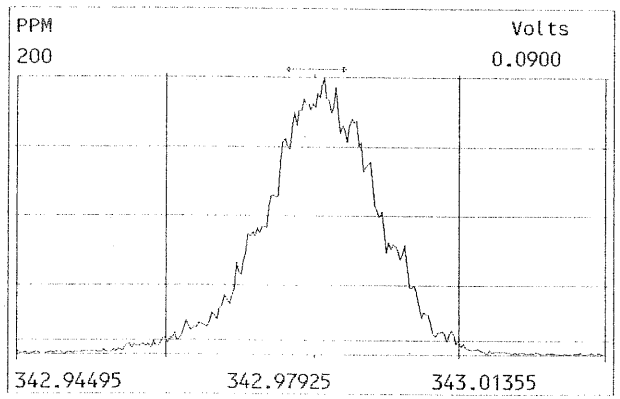




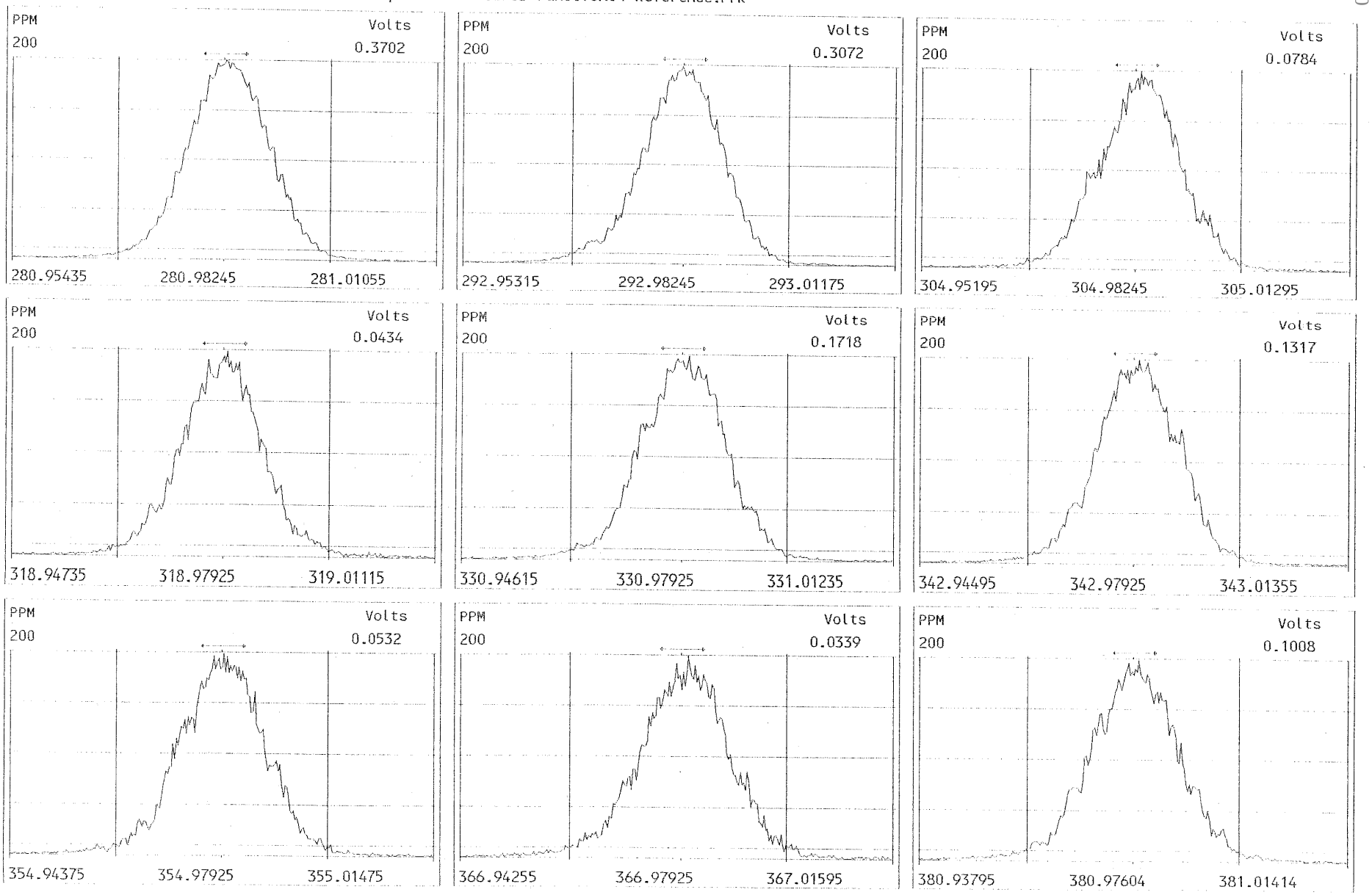






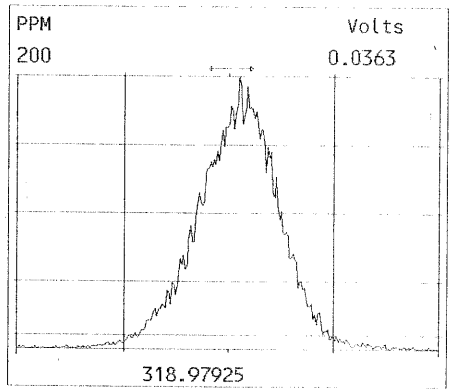


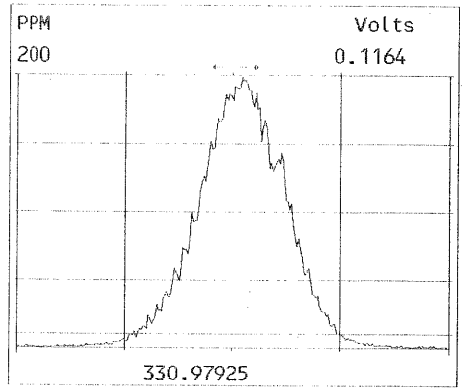
Peak Locate Examination: 9-NOV-2020:23:20 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

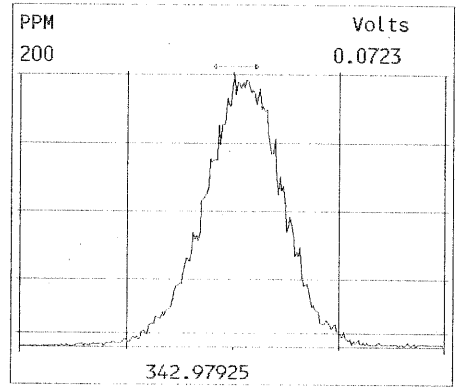


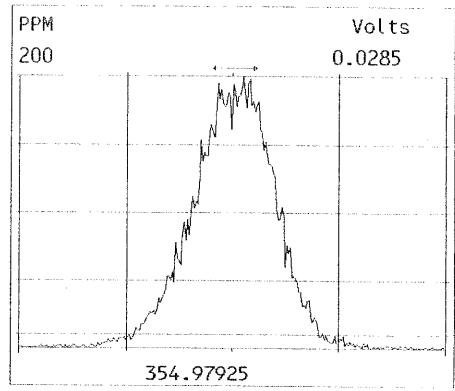
Peak Locate Examination: 9-NOV-2020:23:22 File:09NOV20Z_RES_CHECK

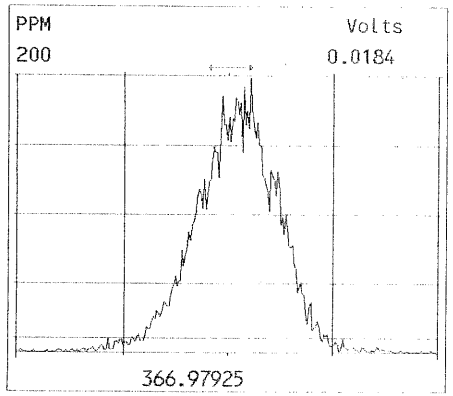
Experiment:1668PCB Function:5 Reference:PFK

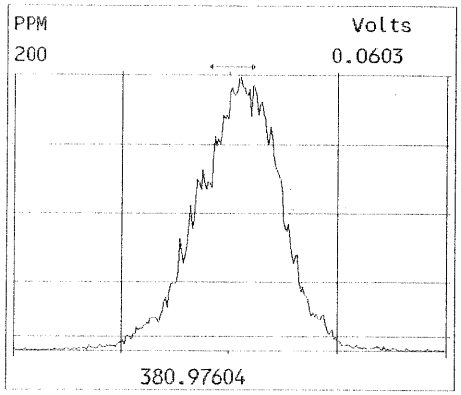


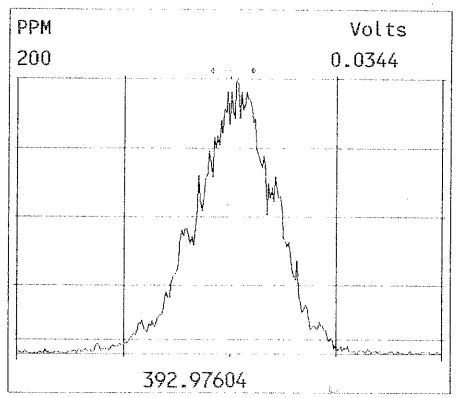


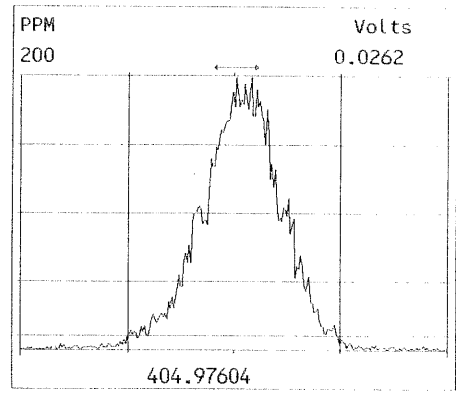


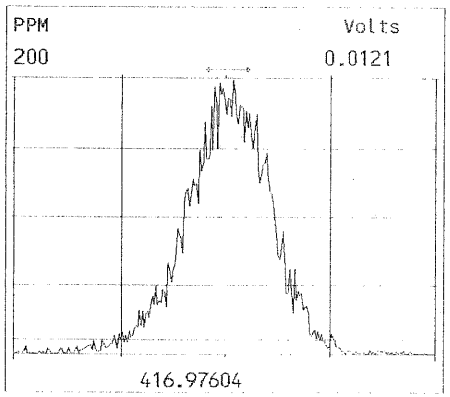


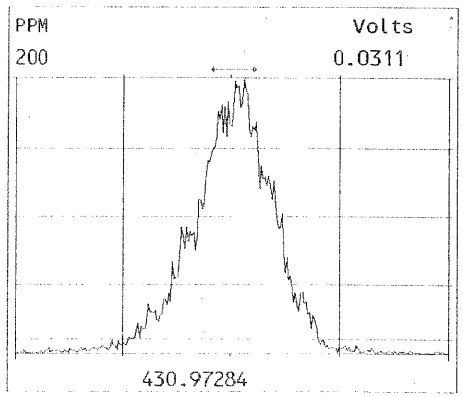


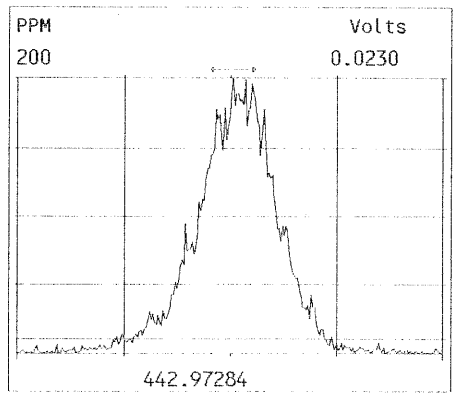




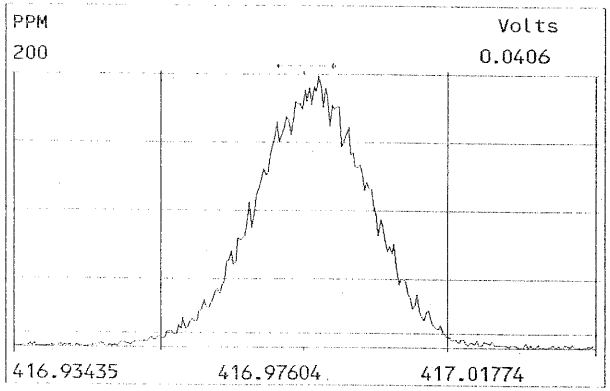


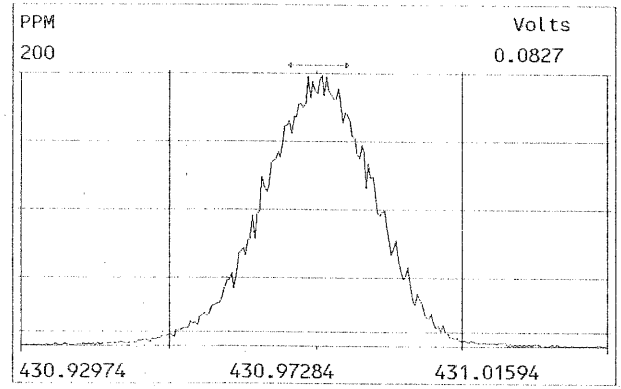


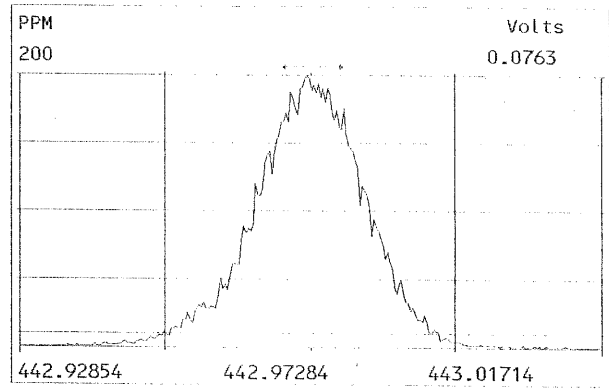


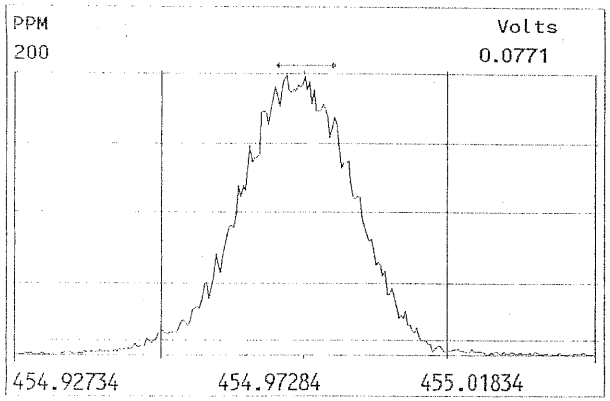


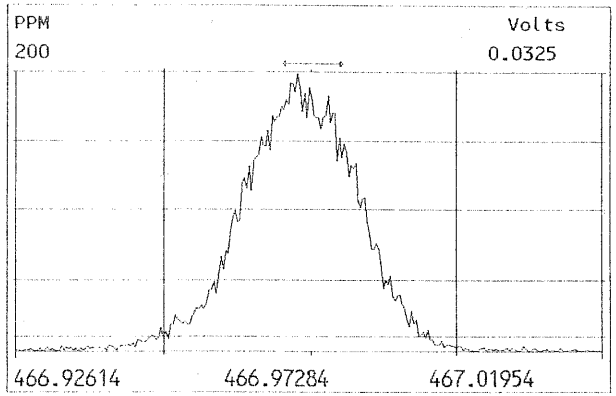
Peak Locate Examination: 9-NOV-2020:23:24 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

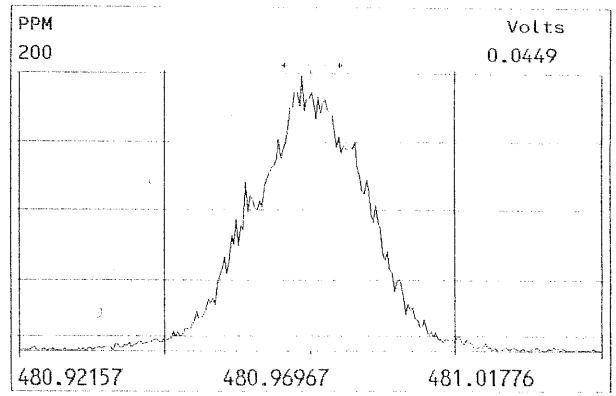


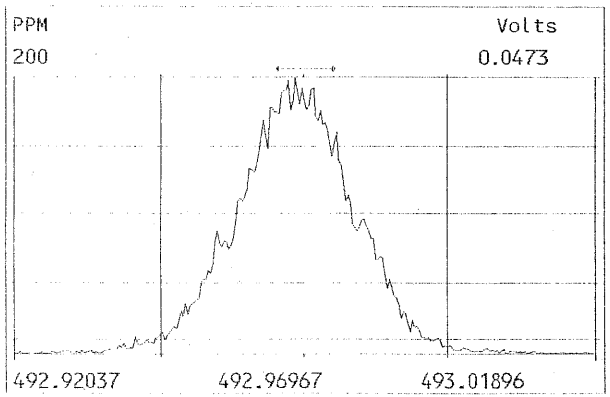


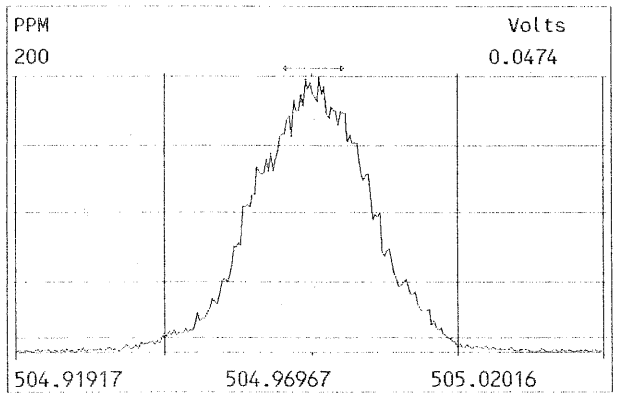


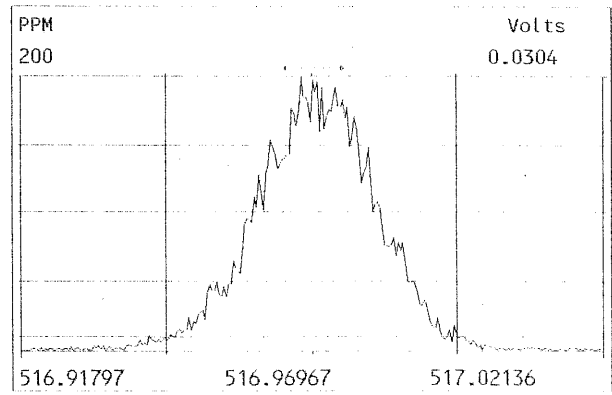












Frontier Analytical Laboratory

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: 09NOV20Z Sam:11 Analysis Date: 9-NOV-20 21:45:46

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.18	2.66-3.60	y	53.4	37.5 - 62.5
PCB-3	M/M+2	3.17	2.66-3.60	y	51.8	37.5 - 62.5
PCB-4	M/M+2	1.48	1.33-1.79	y	45.7	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	55.9	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	50.6	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	55.4	37.5 - 62.5
PCB-54	M/M+2	0.77	0.65-0.89	y	108	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	117	75.0 - 125
PCB-104	M+2/M+4	1.55	1.32-1.78	y	104	75.0 - 125
PCB-105	M+2/M+4	1.58	1.32-1.78	y	114	75.0 - 125
PCB-114	M+2/M+4	1.57	1.32-1.78	y	114	75.0 - 125
PCB-118	M+2/M+4	1.55	1.32-1.78	y	206	150 - 250
PCB-123	M+2/M+4	1.62	1.32-1.78	y	97.5	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	1.27	1.05-1.43	y	101	75.0 - 125
PCB-156	M+2/M+4	1.24	1.05-1.43	y	114	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	1.25	1.05-1.43	y	108	75.0 - 125
PCB-169	M+2/M+4	1.30	1.05-1.43	y	111	75.0 - 125
PCB-188	M+2/M+4	1.06	0.89-1.21	y	99.5	75.0 - 125
PCB-189	M+2/M+4	1.08	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	154	112.5 - 187.5
PCB-205	M+2/M+4	0.94	0.76-1.02	y	163	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	160	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	159	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	155	112.5 - 187.5

Analyst: Date: 11/10/20

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: 09NOV20Z Sam:11 Analysis Date: 9-NOV-20 21:45:46

	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	3.20	2.66-3.60	y	92.9	50.0 - 145
13C-PCB-3	M/M+2	3.26	2.66-3.60	y	85.3	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	97.3	50.0 - 145
13C-PCB-15	M/M+2	1.62	1.33-1.79	y	89.6	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	84.8	50.0 - 145
13C-PCB-37	M/M+2	1.04	0.88-1.20	y	89.6	50.0 - 145
13C-PCB-54	M/M+2	0.78	0.65-0.89	y	106	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	101	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	97.4	50.0 - 145
13C-PCB-104	M+2/M+4	1.58	1.32-1.78	y	105	50.0 - 145
13C-PCB-105	M+2/M+4	1.63	1.32-1.78	y	106	50.0 - 145
13C-PCB-114	M+2/M+4	1.61	1.32-1.78	y	107	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	107	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	106	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	103	50.0 - 145
13C-PCB-155	M+2/M+4	1.30	1.05-1.43	y	104	50.0 - 145
13C-PCB-156	M+2/M+4	1.31	1.05-1.43	y	89.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	90.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	89.4	50.0 - 145
13C-PCB-169	M+2/M+4	1.30	1.05-1.43	y	84.9	50.0 - 145
13C-PCB-188	M+2/M+4	1.10	0.89-1.21	y	93.0	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	84.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	78.7	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	91.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	96.8	50.0 - 145
13C-PCB-208	M+2/M+4	0.79	0.65-0.89	y	97.1	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	92.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.03	0.88-1.20	y	106	65.0 - 135
13C-PCB-111	M+2/M+4	1.63	1.32-1.78	y	100	75.0 - 125
13C-PCB-178	M+2/M+4	1.08	0.89-1.21	y	97.9	75.0 - 125

Analyst: _____ Date: 11/10/20

FAL ID: ST110920Z2 Filename: 09NOV20Z Sam:11 Acquired: 9-NOV-20 21:45:46 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 09NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.35e+07	3.18 y	14:34	1.21	53.4		2.50	-	-	*	-
13C-PCB-1	5.18e+07	3.20 y	14:32	0.90	92.9		2.50				92.9
PCB-3	3.14e+07	3.17 y	16:60	1.23	51.8		2.50	-	-	*	-
13C-PCB-3	4.92e+07	3.26 y	16:59	0.93	85.3		2.50				85.3
PCB-4	2.08e+07	1.48 y	18:15	1.14	45.7		2.50	-	-	*	-
13C-PCB-4	3.98e+07	1.61 y	18:13	0.66	97.3		2.50				97.3
PCB-15	3.69e+07	1.52 y	23:46	1.09	55.9		2.50	-	-	*	-
13C-PCB-15	6.05e+07	1.62 y	23:45	1.09	89.6		2.50				89.6
PCB-19	1.63e+07	1.07 y	22:09	1.21	50.6		2.50	-	-	*	-
13C-PCB-19	2.66e+07	1.09 y	22:07	0.50	84.8		2.50				84.8
13C-PCB-9	6.21e+07	1.63 y	19:54	-	60.9		2.50				
PCB-37	2.71e+07	1.09 y	30:25	1.14	55.4		2.50	-	-	*	-
13C-PCB-37	4.27e+07	1.04 y	30:24	1.64	89.6		2.50				89.6
PCB-54	4.96e+07	0.77 y	25:40	1.18	108		2.50	-	-	*	-
13C-PCB-54	3.88e+07	0.78 y	25:39	1.26	106		2.50				106
PCB-104	3.61e+07	1.55 y	30:07	1.12	104		2.50	-	-	*	-
13C-PCB-104	3.11e+07	1.58 y	30:06	1.02	105		2.50				105
13C-PCB-28	5.36e+07	1.03 y	26:44	1.73	106		2.50				106
13C-PCB-52	2.91e+07	0.78 y	29:00	-	54.7		2.50				
PCB-81	5.86e+07	0.79 y	36:11	1.13	117		2.50	-	-	*	-
13C-PCB-81	4.42e+07	0.79 y	36:10	1.57	97.4		2.50				97.4
PCB-77	5.47e+07	0.80 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	4.70e+07	0.81 y	36:44	1.61	101		2.50				101
PCB-155	3.80e+07	1.27 y	34:17	1.13	101		2.50	-	-	*	-
13C-PCB-155	3.32e+07	1.30 y	34:16	1.10	104		2.50				104
13C-PCB-111	3.69e+07	1.63 y	36:20	1.27	100		2.50				100
13C-PCB-101	2.89e+07	1.62 y	34:42	-	60.7		2.50				
PCB-123	4.59e+07	1.62 y	38:24	1.11	97.5		2.50	-	-	*	-
13C-PCB-123	4.24e+07	1.58 y	38:23	1.28	106		2.50				106
PCB-118	1.05e+08	1.55 y	38:36	1.12	206		2.50	-	-	*	-
13C-PCB-118	4.56e+07	1.60 y	38:33	1.35	107		2.50				107
PCB-114	5.58e+07	1.57 y	39:12	1.13	114		2.50	-	-	*	-
13C-PCB-114	4.35e+07	1.61 y	39:11	1.29	107		2.50				107
PCB-105	5.36e+07	1.58 y	39:60	1.10	114		2.50	-	-	*	-
13C-PCB-105	4.25e+07	1.63 y	39:58	1.28	106		2.50				106
PCB-126	4.85e+07	1.58 y	42:07	1.08	112		2.50	-	-	*	-
13C-PCB-126	3.99e+07	1.62 y	42:05	1.23	103		2.50				103
PCB-167	4.12e+07	1.25 y	43:29	1.11	108		2.50	-	-	*	-
13C-PCB-167	3.44e+07	1.28 y	43:29	1.23	89.4		2.50				89.4
PCB-156	4.30e+07	1.24 y	44:43	1.13	114		2.50	-	-	*	-
13C-PCB-156	3.34e+07	1.31 y	44:41	1.19	89.6		2.50				89.6
PCB-157	4.36e+07	1.27 y	44:58	1.08	117		2.50	-	-	*	-
13C-PCB-157	3.46e+07	1.30 y	44:58	1.21	90.9		2.50				90.9
PCB-169	3.72e+07	1.30 y	46:50	1.08	111		2.50	-	-	*	-
13C-PCB-169	3.11e+07	1.30 y	46:48	1.17	84.9		2.50				84.9
PCB-188	3.59e+07	1.06 y	39:47	1.10	99.5		2.50	-	-	*	-
13C-PCB-188	3.28e+07	1.10 y	39:47	1.13	93.0		2.50				93.0
PCB-189	2.81e+07	1.08 y	48:29	1.07	102		2.50	-	-	*	-
13C-PCB-189	2.57e+07	1.07 y	48:29	0.97	84.9		2.50				84.9
PCB-202	3.73e+07	0.93 y	44:55	1.03	154		2.50	-	-	*	-
13C-PCB-202	2.36e+07	0.90 y	44:53	0.96	78.7		2.50				78.7
13C-PCB-178	2.38e+07	1.08 y	42:25	0.78	97.9		2.50				97.9
13C-PCB-138	3.13e+07	1.29 y	41:37	-	65.2		2.50				

Client ID: CS209 200406A ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 09NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.47e+07	0.94	y	50:07	1.09	163	2.50	-	-	*	-
13C-PCB-205	3.09e+07	0.89	y	50:07	1.32	91.4	2.50				91.4
PCB-208	5.49e+07	1.35	y	49:12	1.01	159	2.50	-	-	*	-
13C-PCB-208	3.43e+07	0.79	y	49:12	1.38	97.1	2.50				97.1
PCB-206	3.87e+07	1.33	y	51:19	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.33e+07	0.80	y	51:19	0.94	96.8	2.50				96.8
PCB-209	4.57e+07	1.18	y	52:30	1.13	155	2.50	-	-	*	-
13C-PCB-209	2.62e+07	1.20	y	52:30	1.10	92.4	2.50				92.4
13C-PCB-194	2.57e+07	0.93	y	49:52	-	67.4	2.50				

Analyst: _____ Date: 11/10/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:09NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

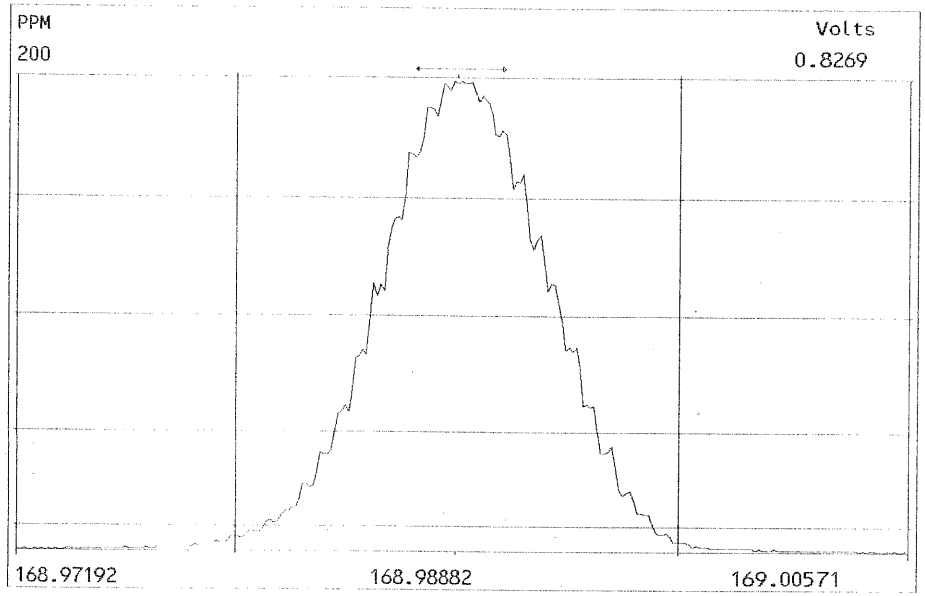
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
09NOV20Z	1	ST110920Z1	CS209 200406A	9-NOV-20 12:02:14	ST110920Z1	ST110920Z2	BS
09NOV20Z	2	05499-001-0001-OPR	OPR	9-NOV-20 13:00:34	ST110920Z1	ST110920Z2	BS
09NOV20Z	3	05499-001-0001-MB	Method Blank	9-NOV-20 13:58:55	ST110920Z1	ST110920Z2	BS
09NOV20Z	4	13380-021-0001-SA	LDW-Y3-LBS-SU-ENR-C-WORM	9-NOV-20 14:57:16	ST110920Z1	ST110920Z2	BS
09NOV20Z	5	13380-028-0001-SA	LDW-Y3-LBS-SU-ENR+AC-A-WORM	9-NOV-20 15:55:38	ST110920Z1	ST110920Z2	BS
09NOV20Z	6	13383-007-0001-SA	LDW-Y3-LBS-SU-ENR+AC-B-WORM	9-NOV-20 16:53:59	ST110920Z1	ST110920Z2	BS
09NOV20Z	7	13383-014-0001-SA	LDW-Y3-LBS-SU-ENR+AC-C-WORM	9-NOV-20 17:52:20	ST110920Z1	ST110920Z2	BS
09NOV20Z	8	13383-018-0001-SA	LDW-Y3-LBS-CLAM-BAS	9-NOV-20 18:50:42	ST110920Z1	ST110920Z2	BS
09NOV20Z	9	13383-022-0001-SA	LDW-Y3-LBS-WORM-BAS	9-NOV-20 19:49:03	ST110920Z1	ST110920Z2	BS
09NOV20Z	10	SB110920Z1	Solvent Blank	9-NOV-20 20:47:24	ST110920Z1	ST110920Z2	BS
09NOV20Z	11	ST110920Z2	CS209 200406A	9-NOV-20 21:45:46	ST110920Z1	ST110920Z2	BS

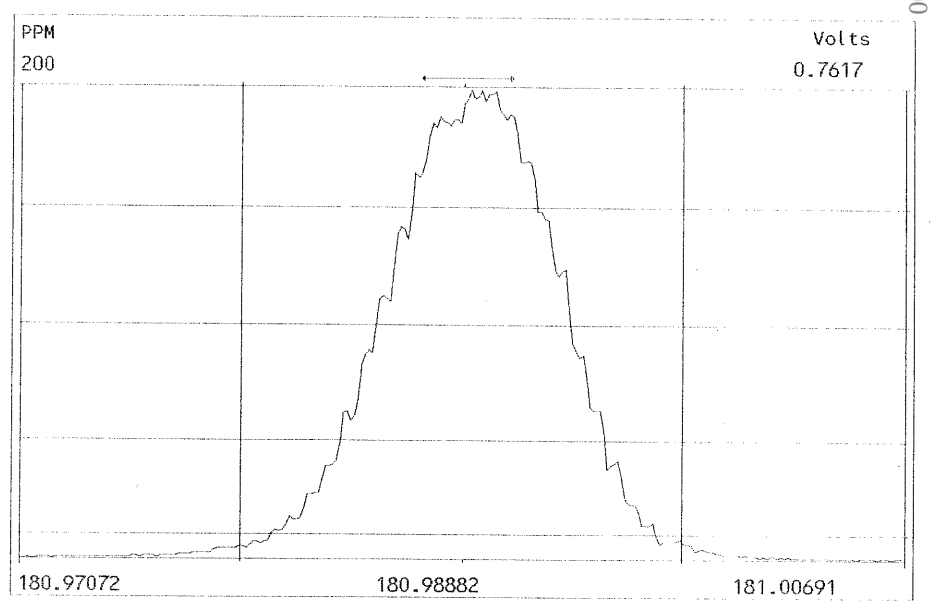
11/10/20

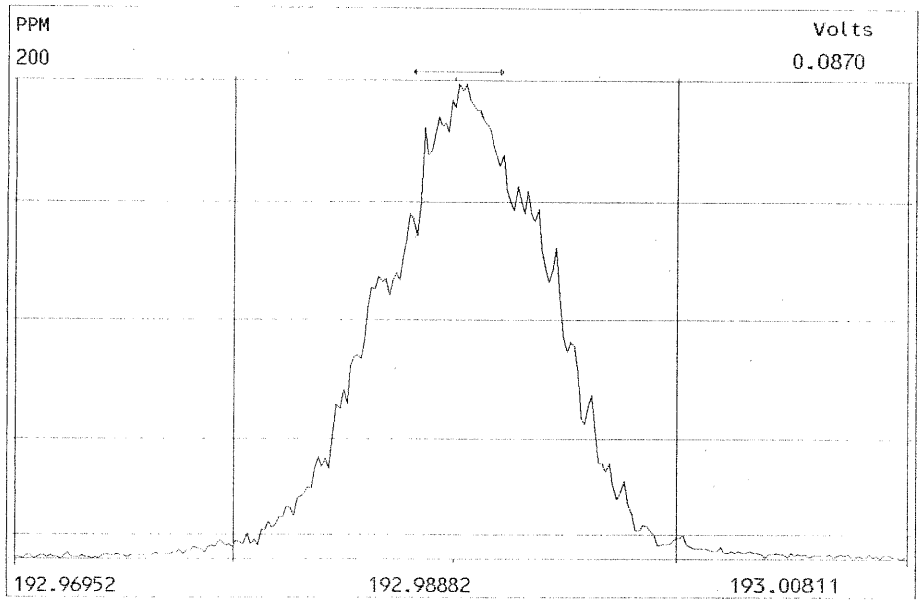
Data Backed Up:_____

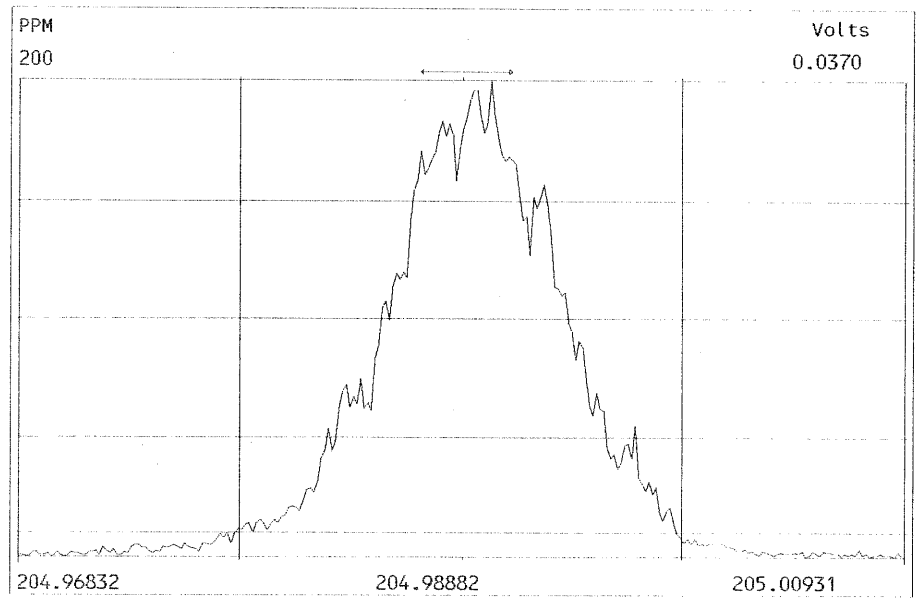
Date:_____

Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

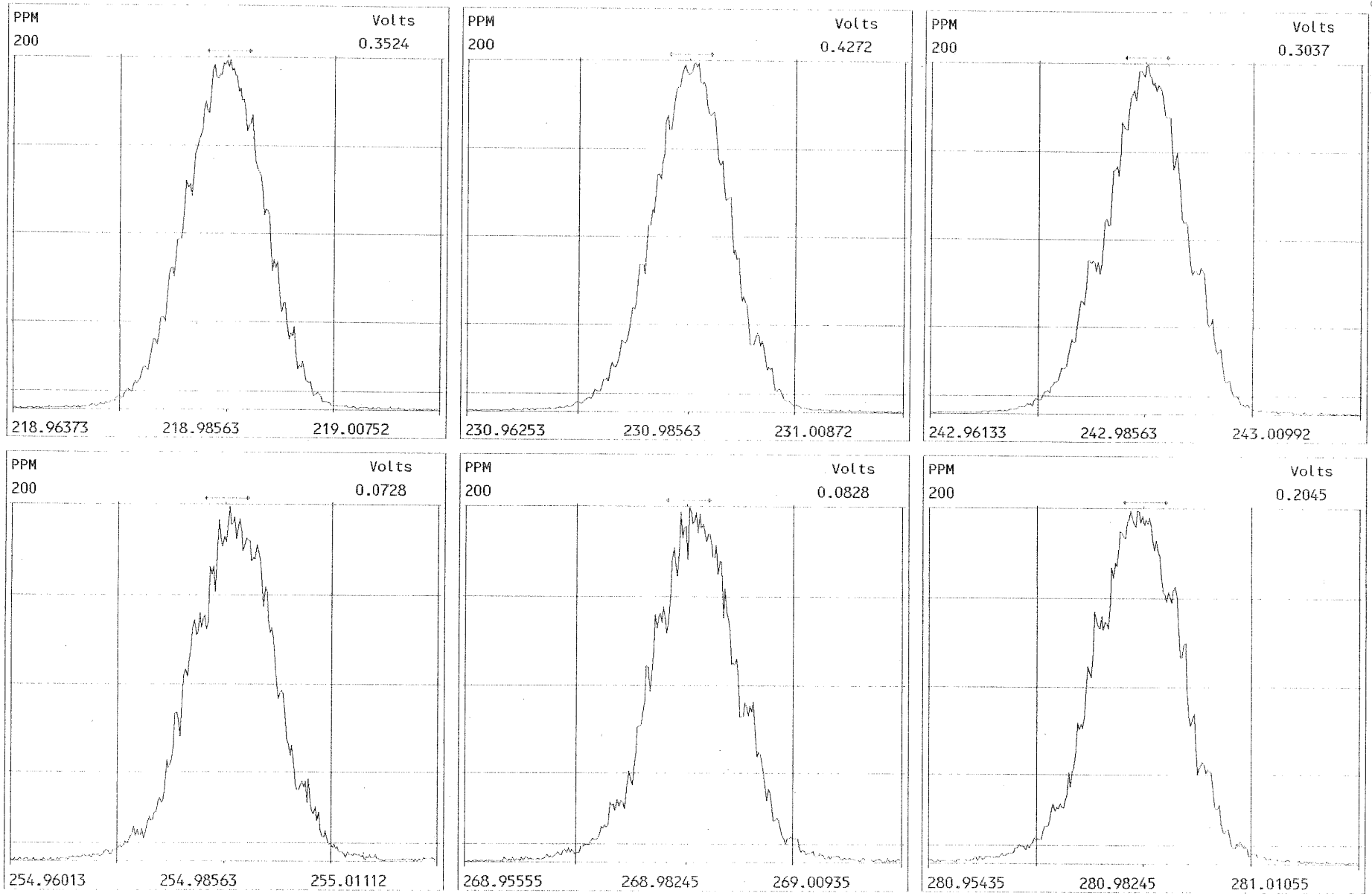




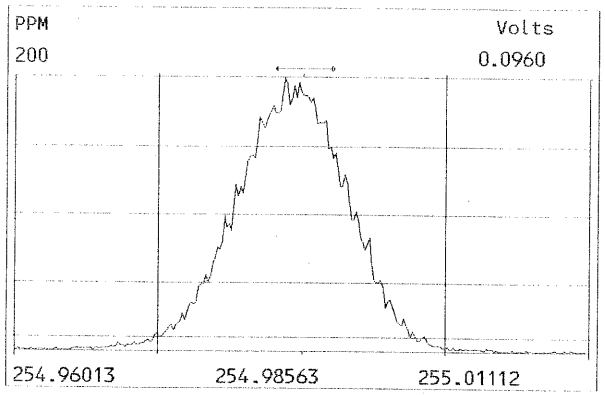


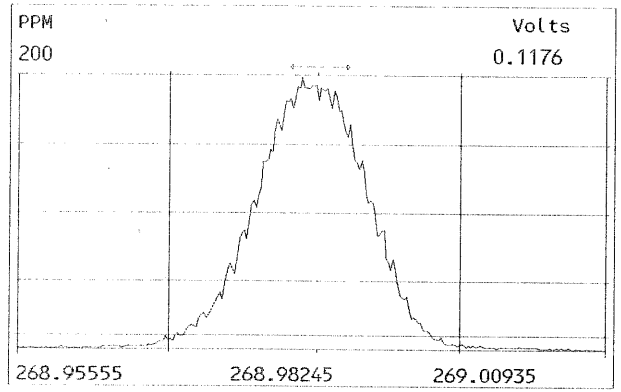


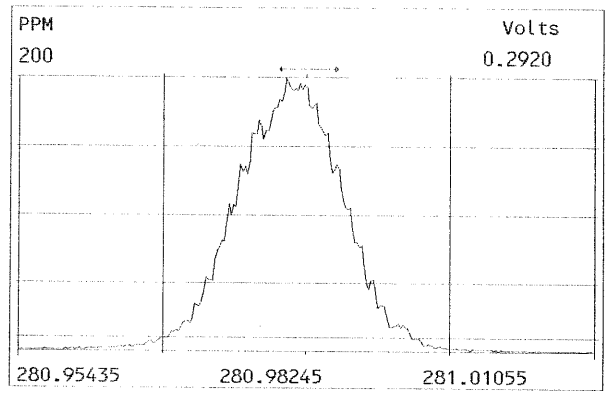
Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

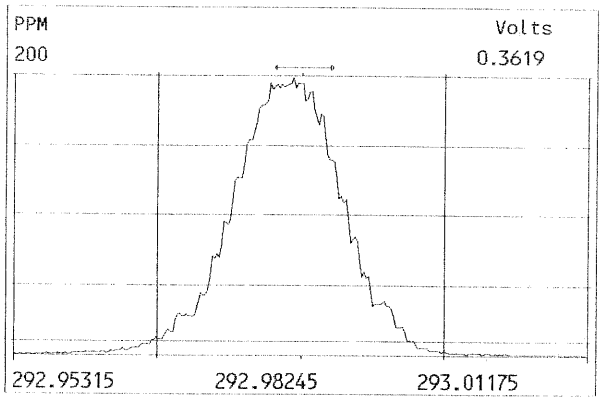


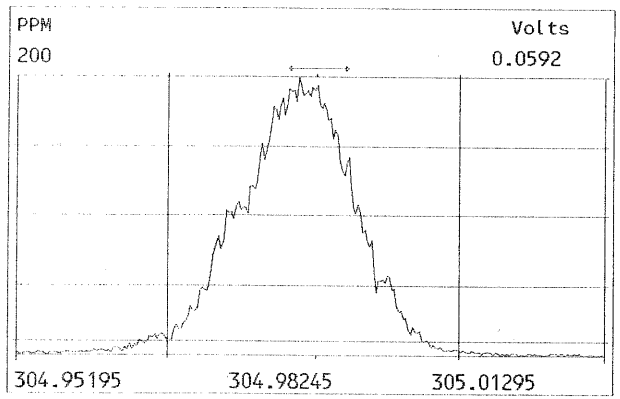
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

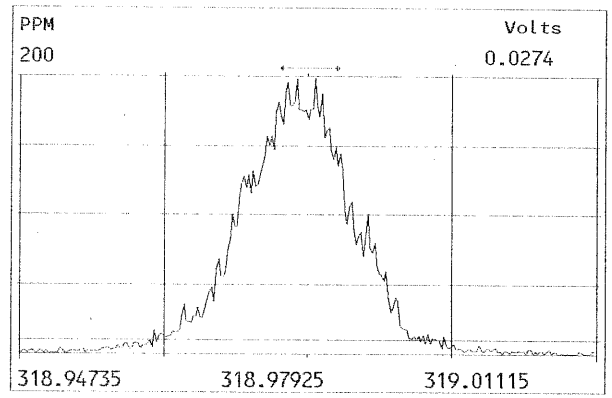


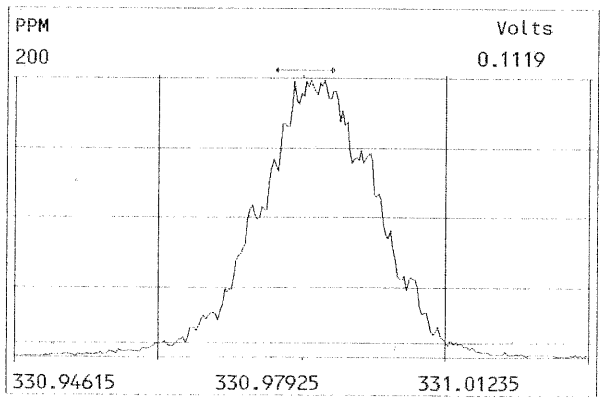


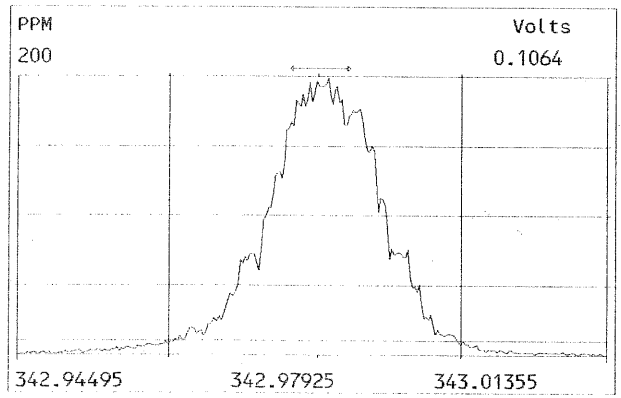






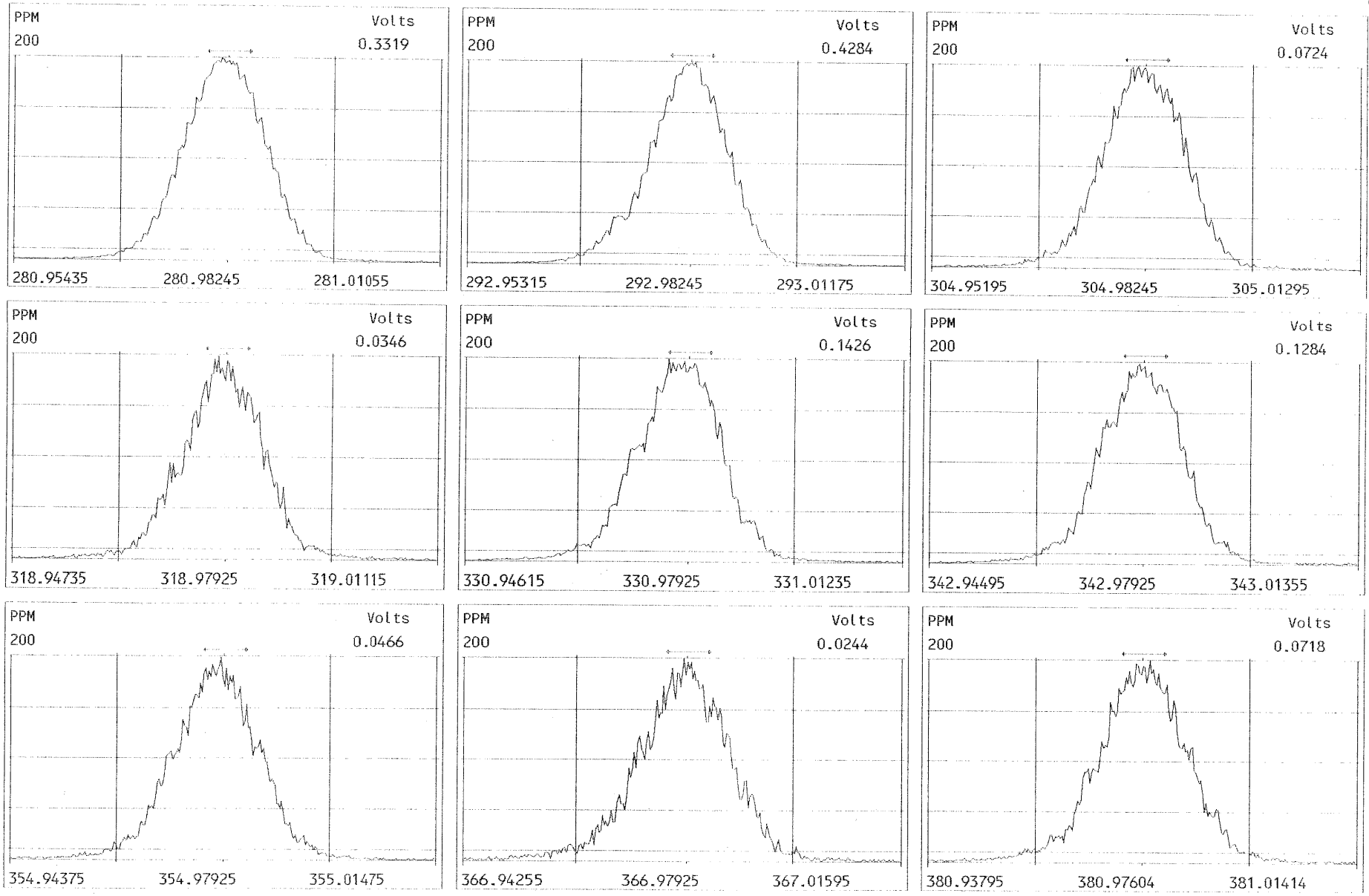




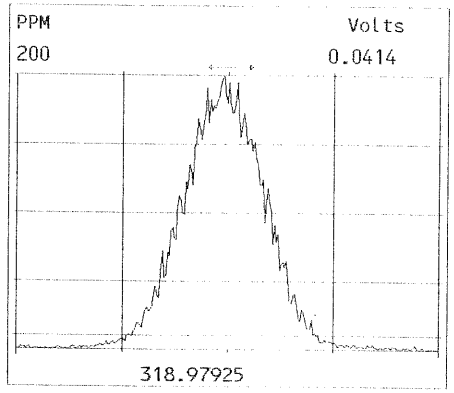


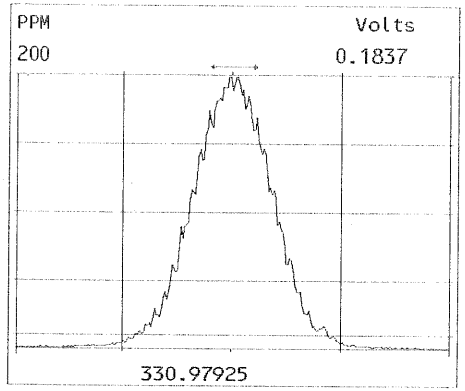
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z

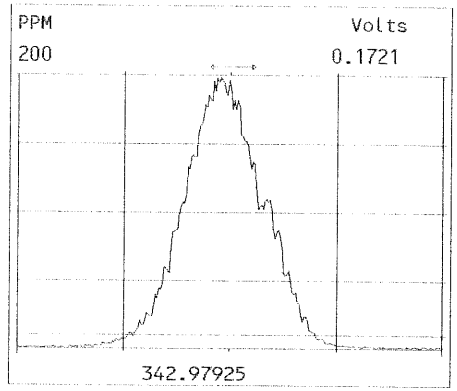
Experiment:1668PCB Function:4 Reference:PFK

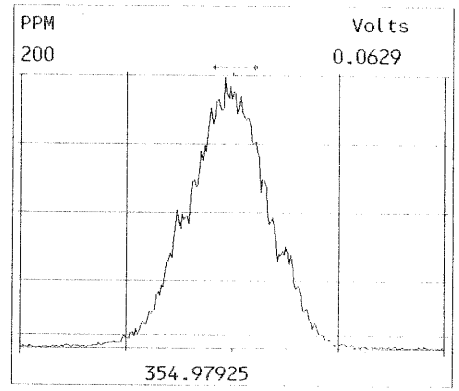


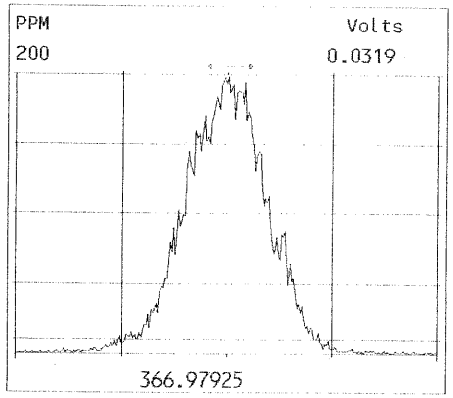
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

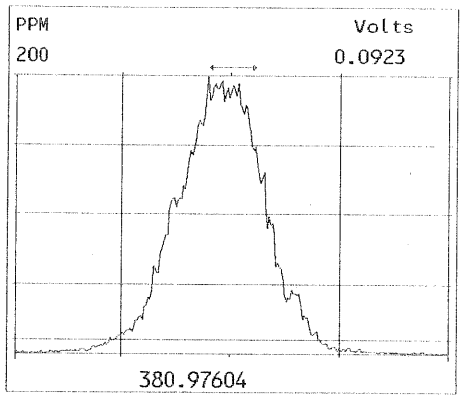


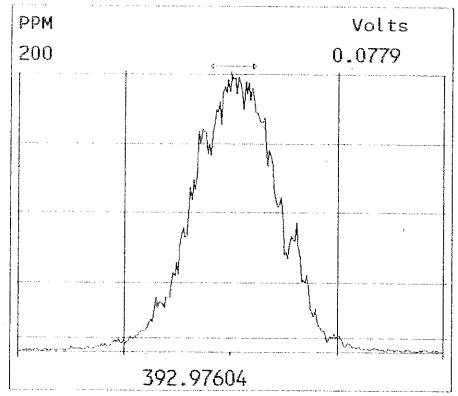


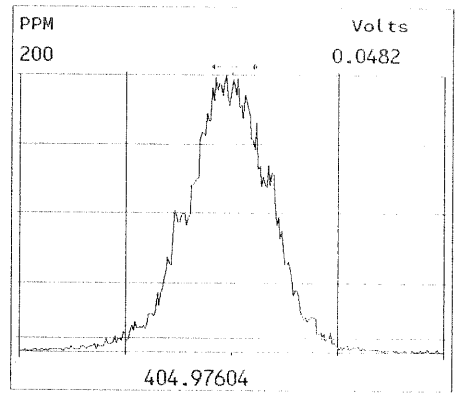


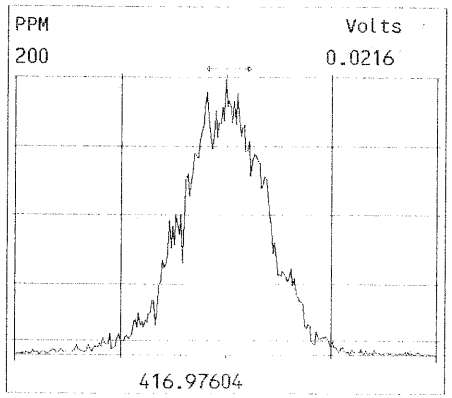


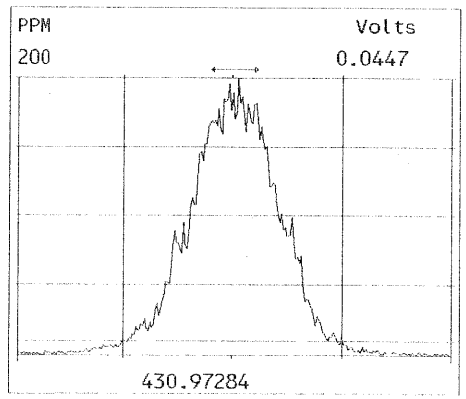


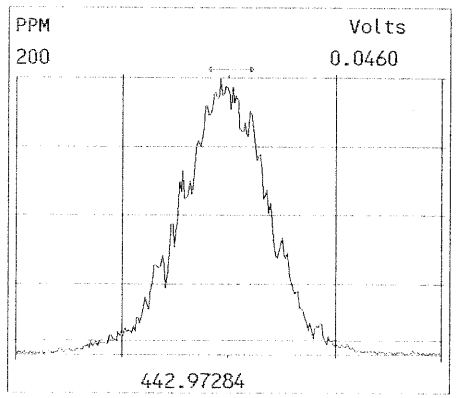






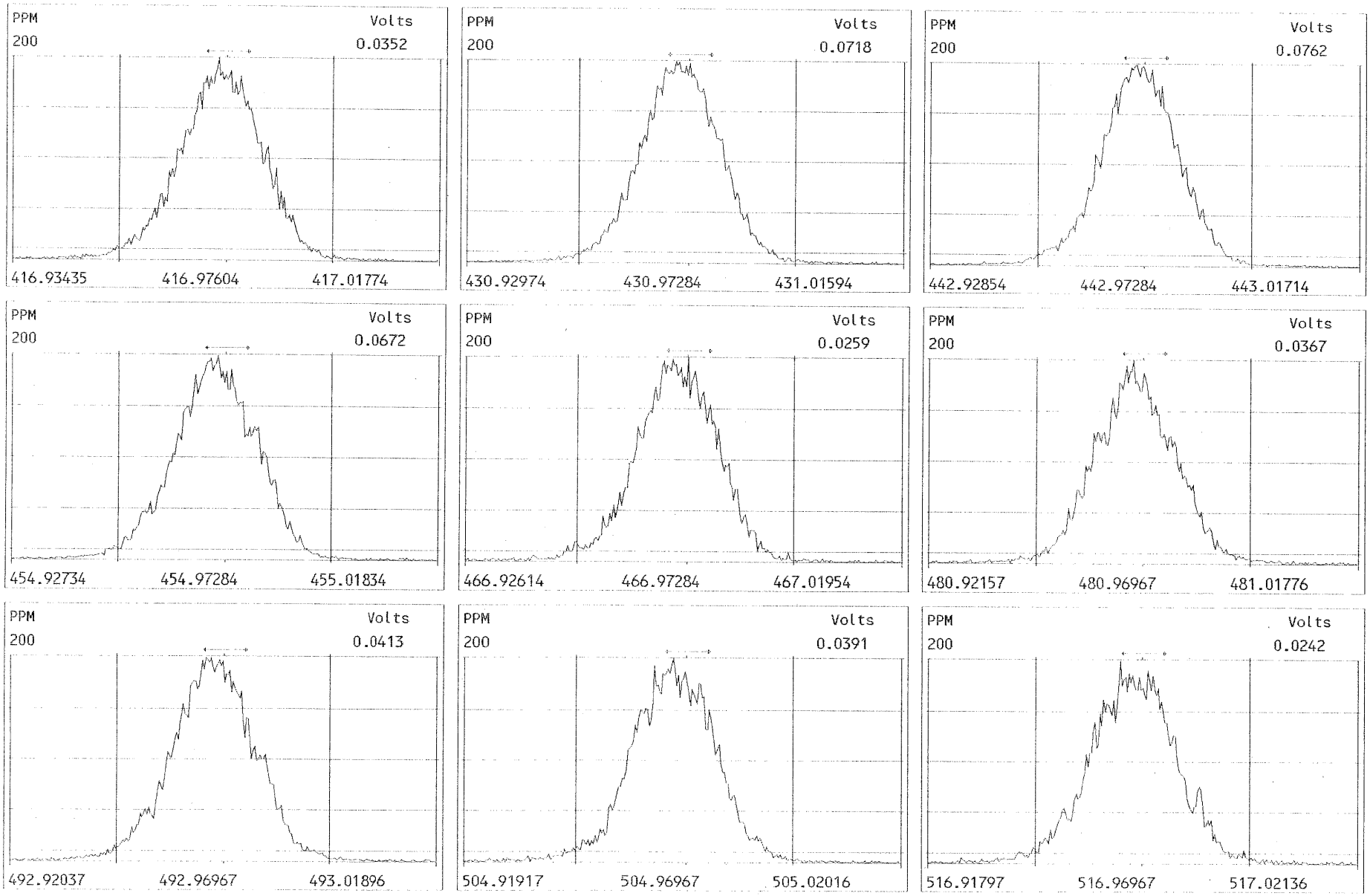




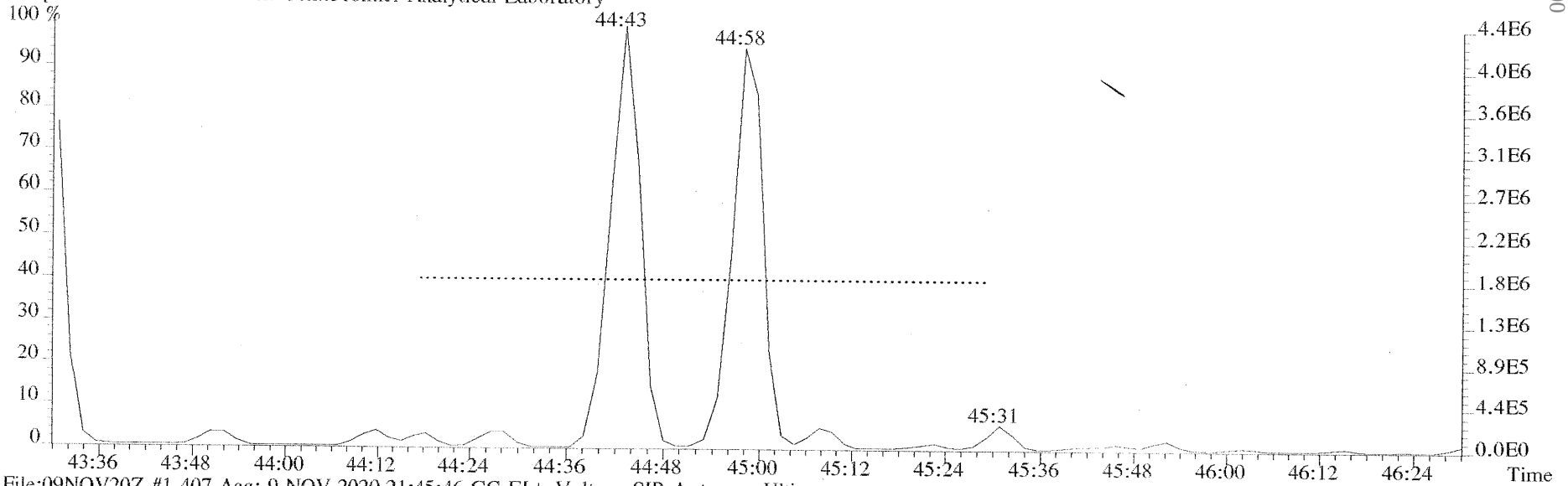


Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z

Experiment:1668PCB Function:6 Reference:PFK



File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



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373.8788 S:11 F:5 Exp:1668PCB
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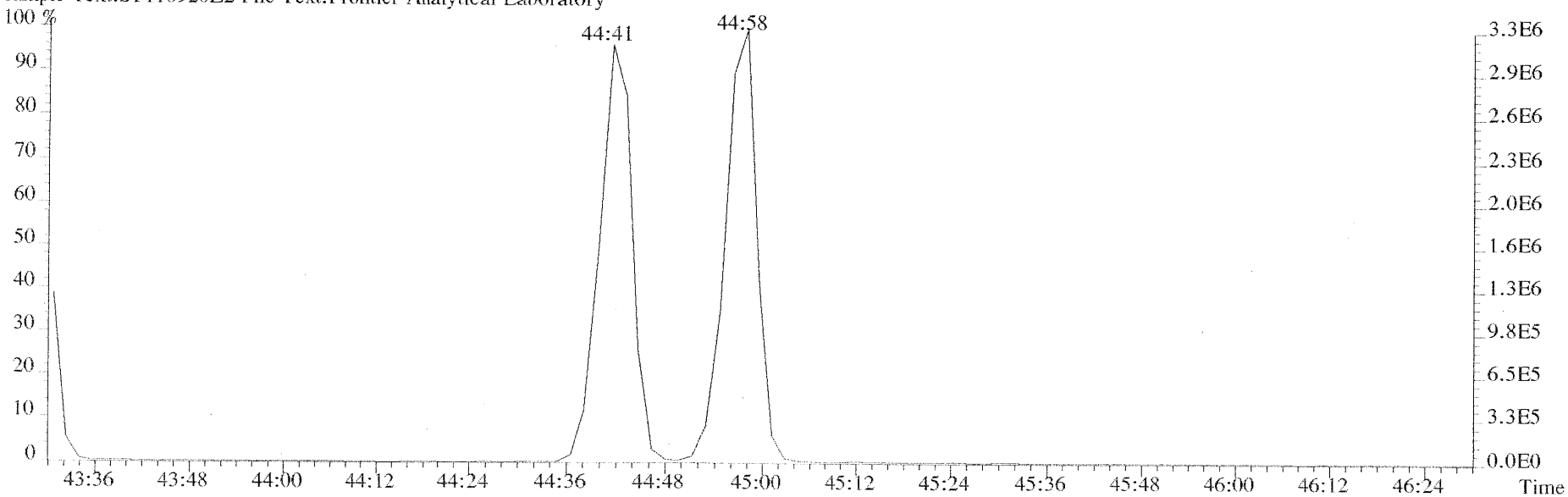
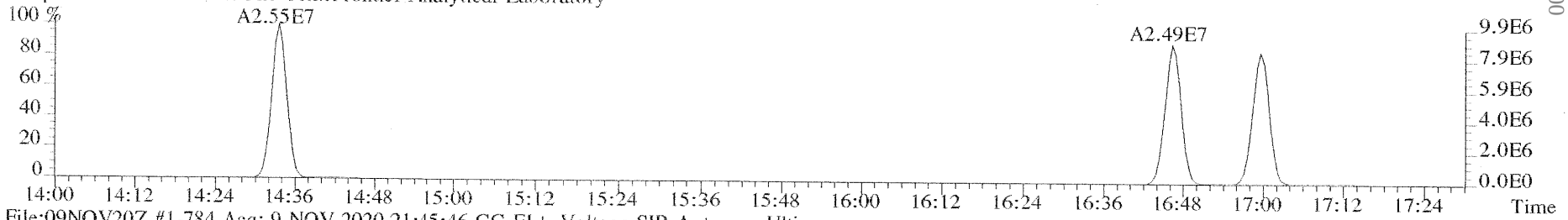
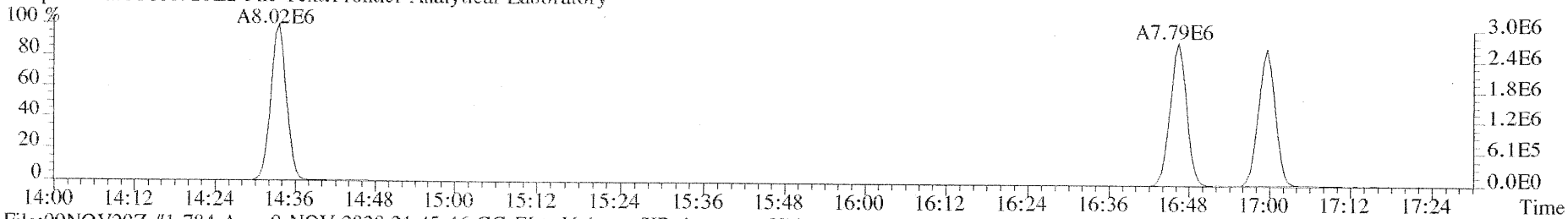


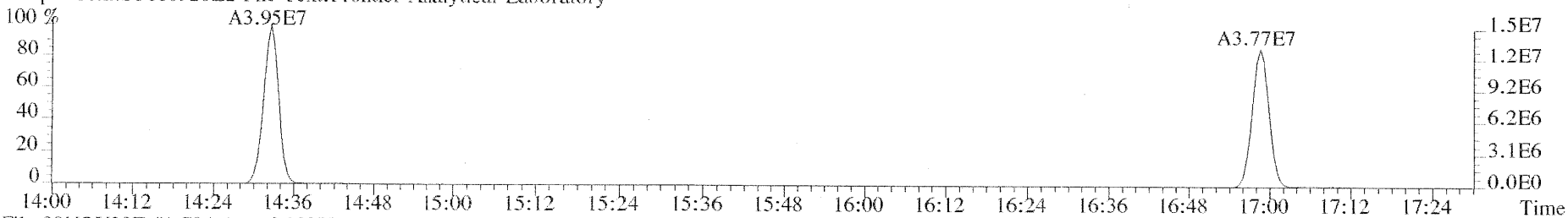
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



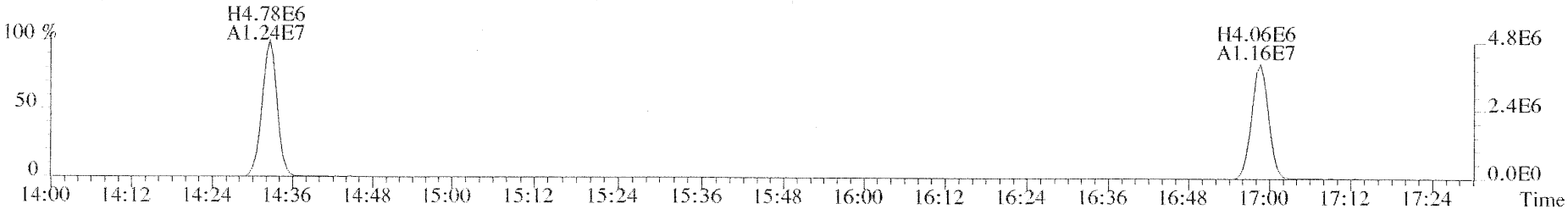
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



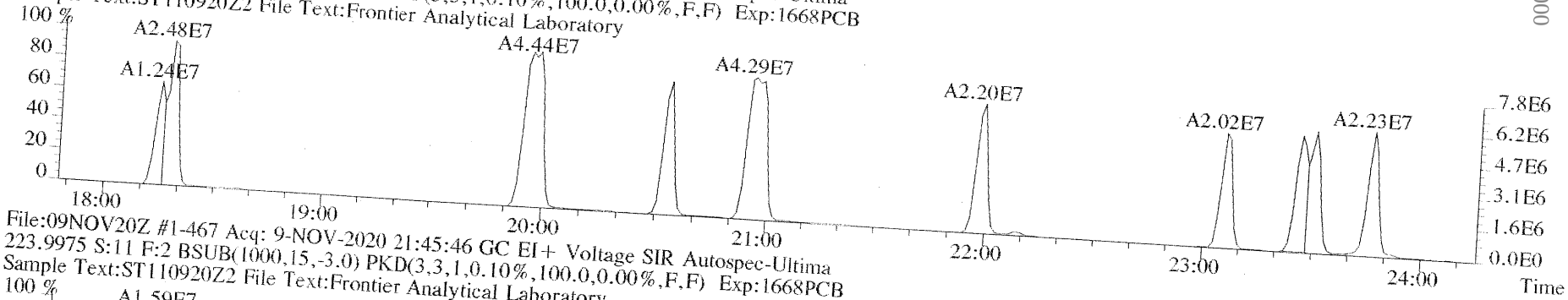
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



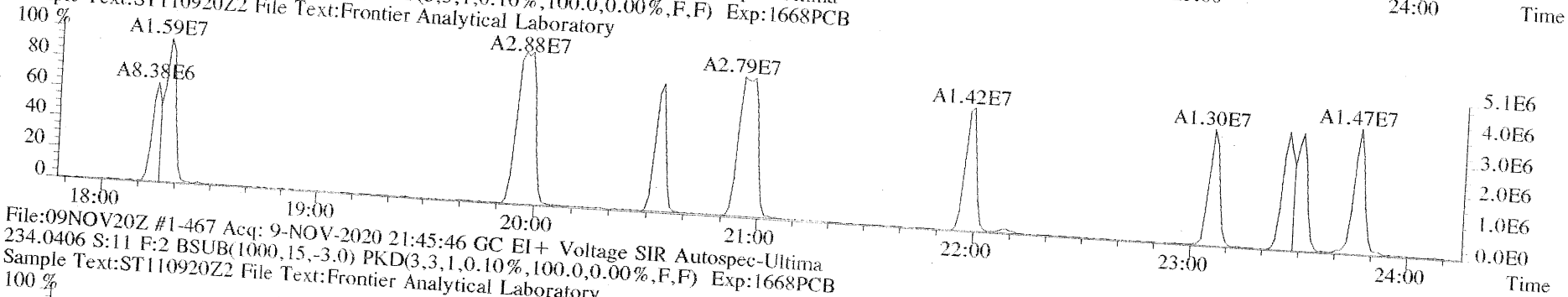
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



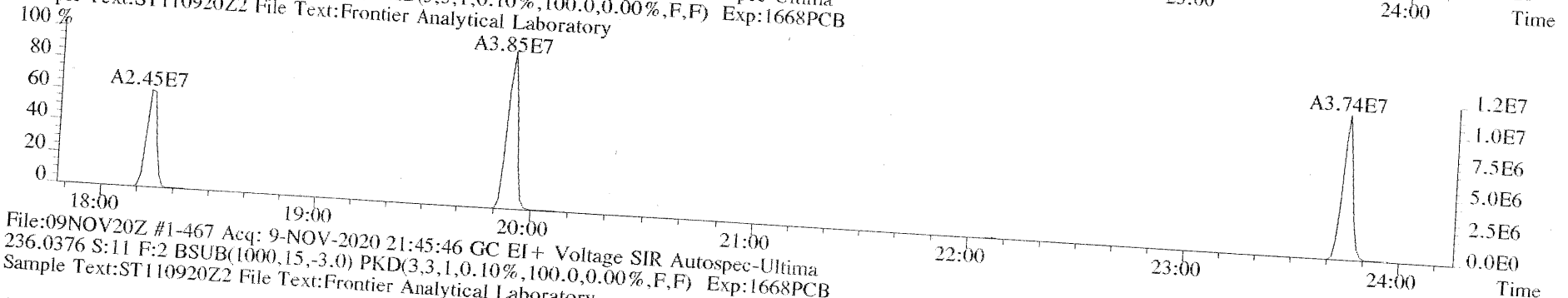
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



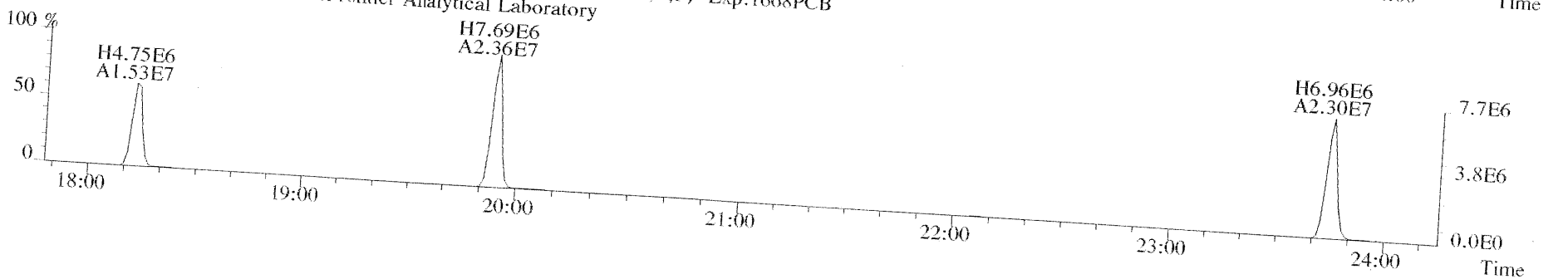
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



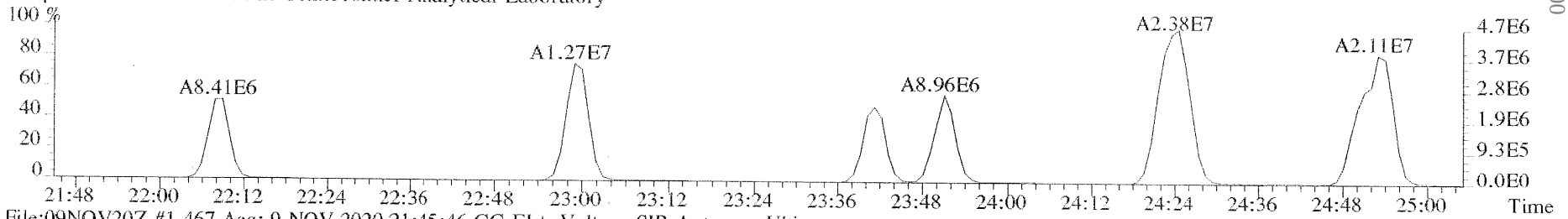
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



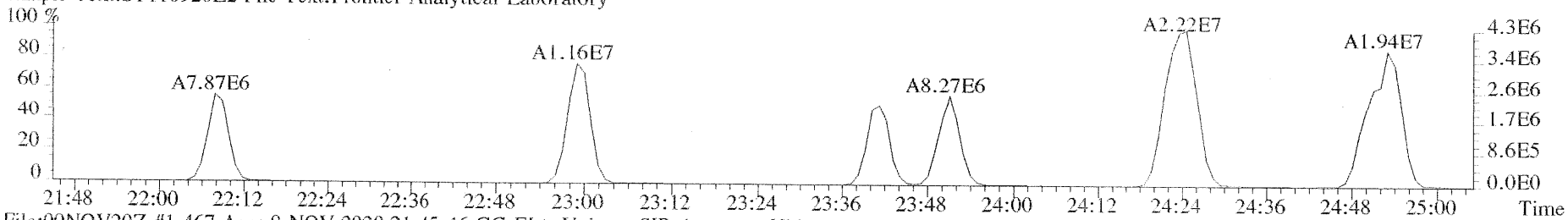
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



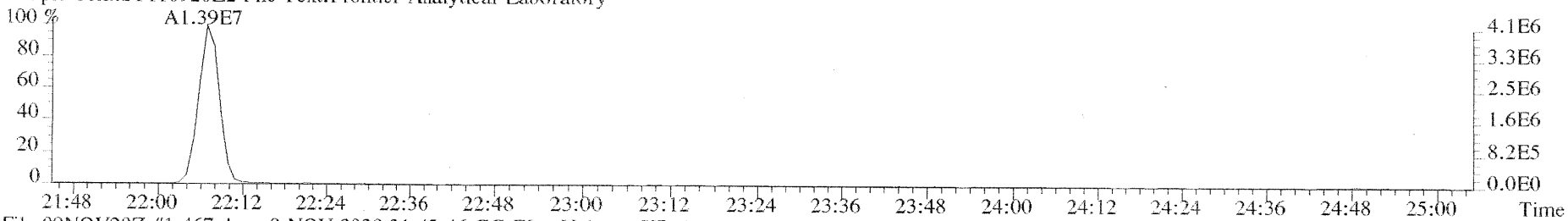
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



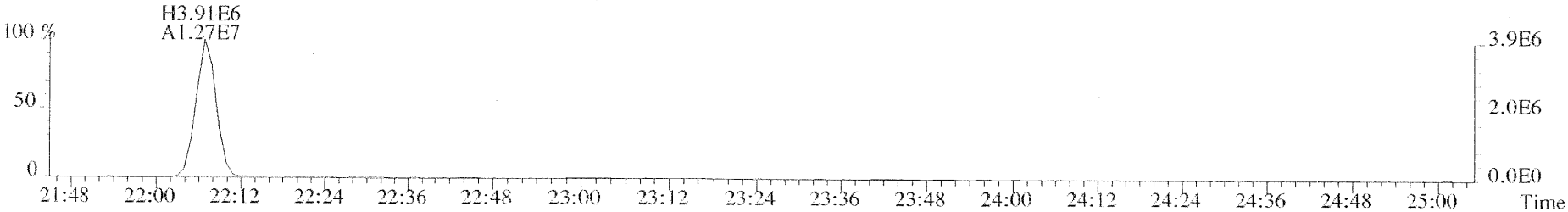
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



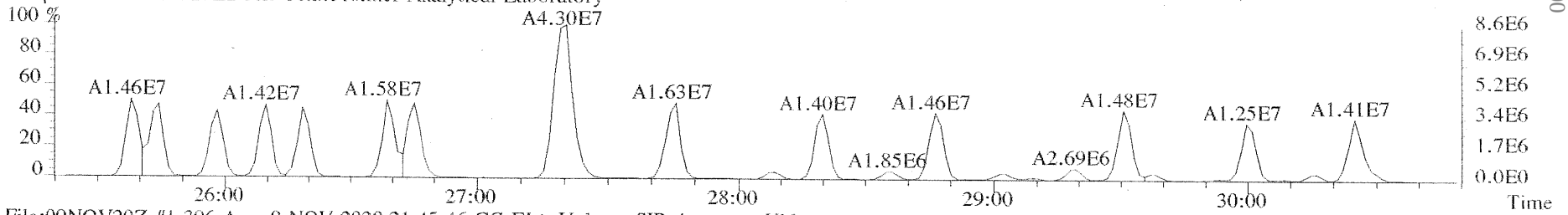
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



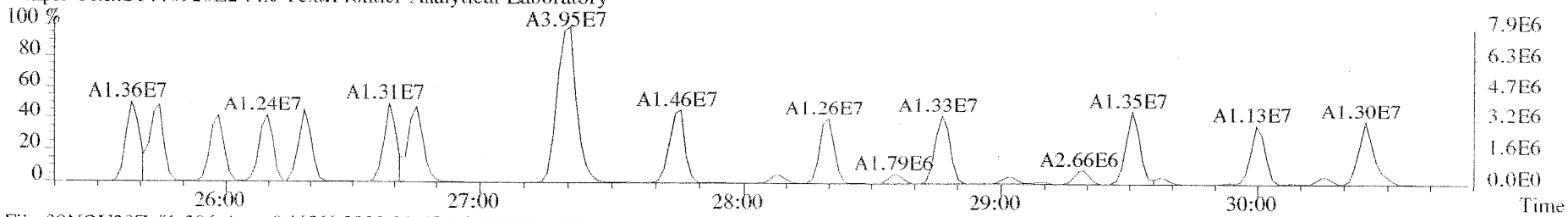
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



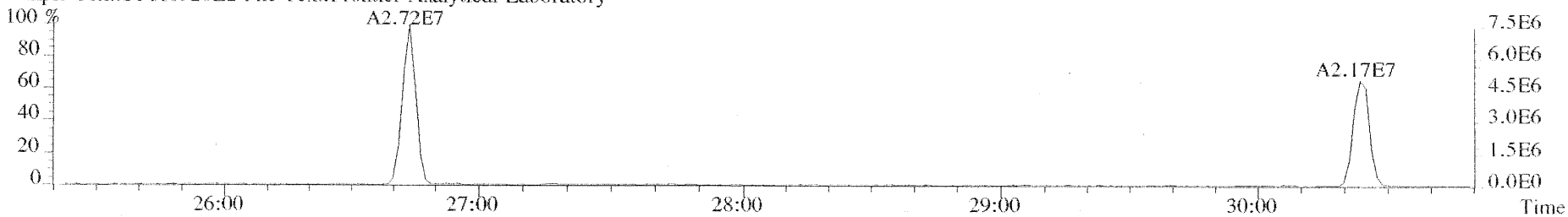
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



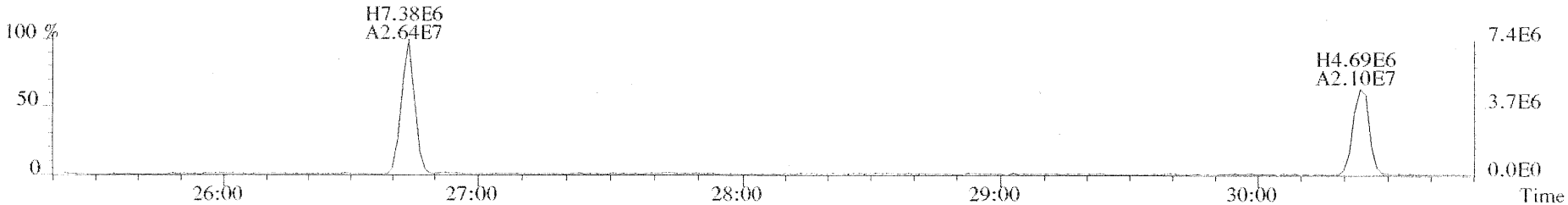
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



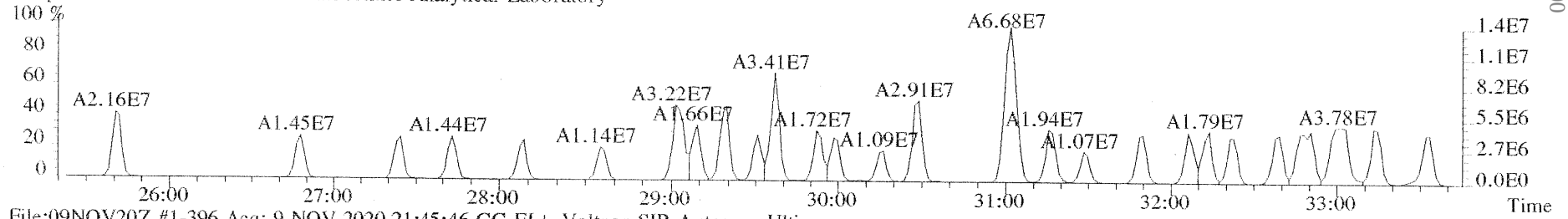
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



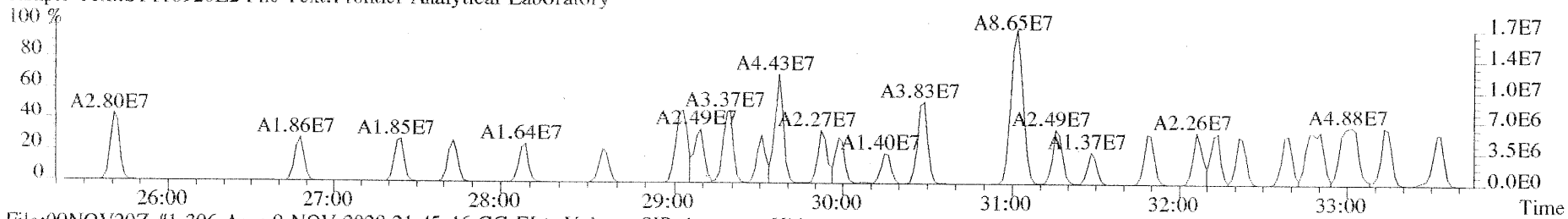
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



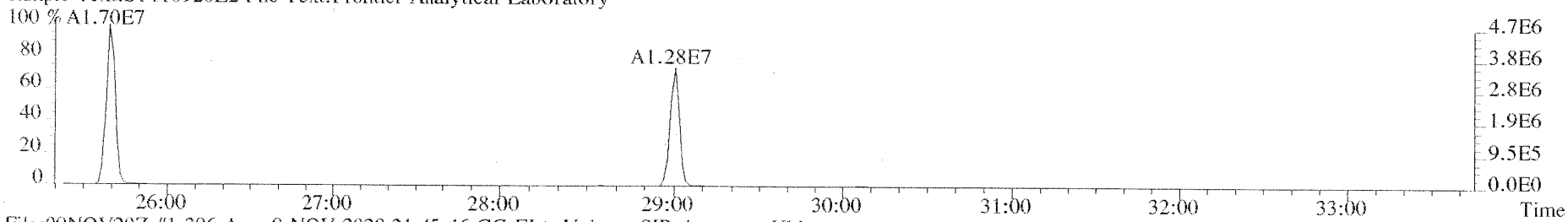
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



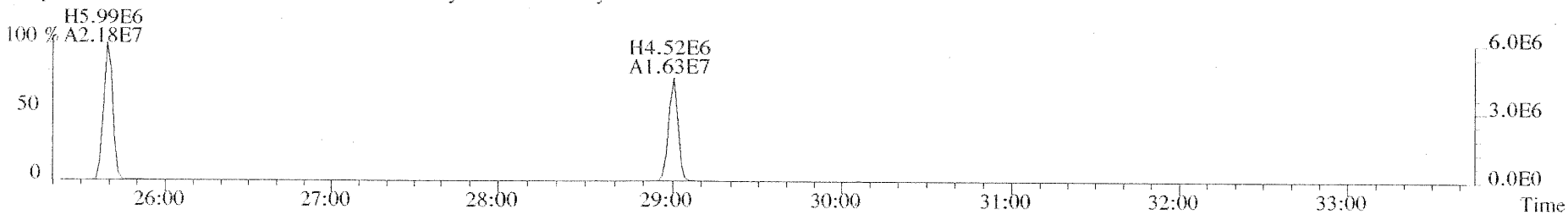
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



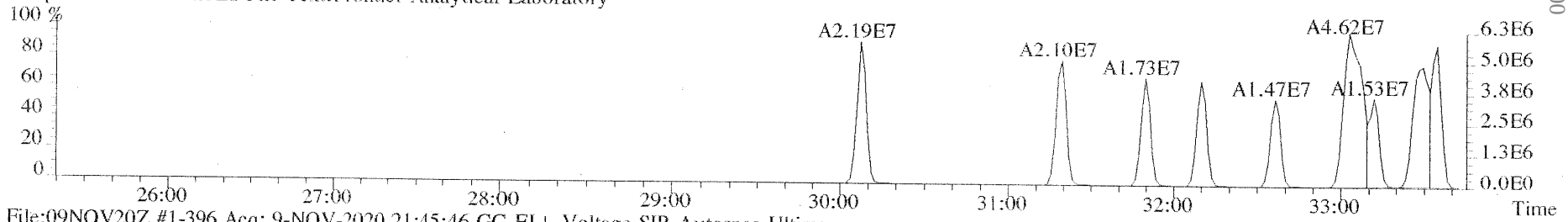
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



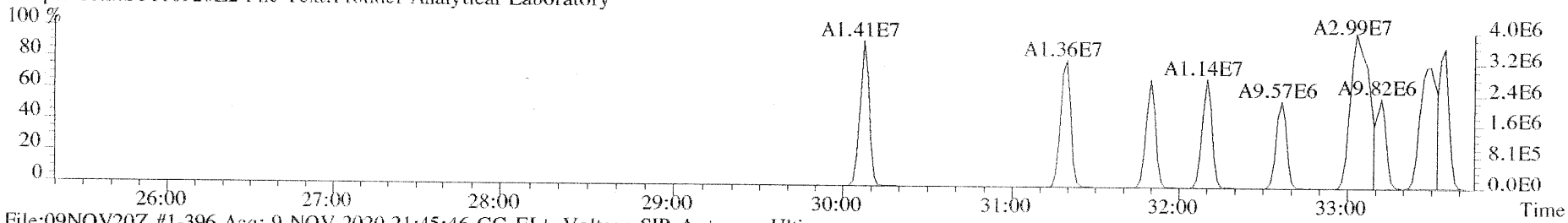
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



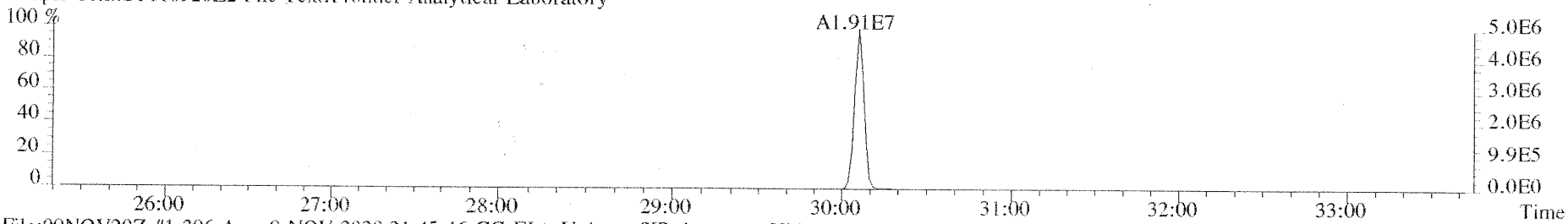
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



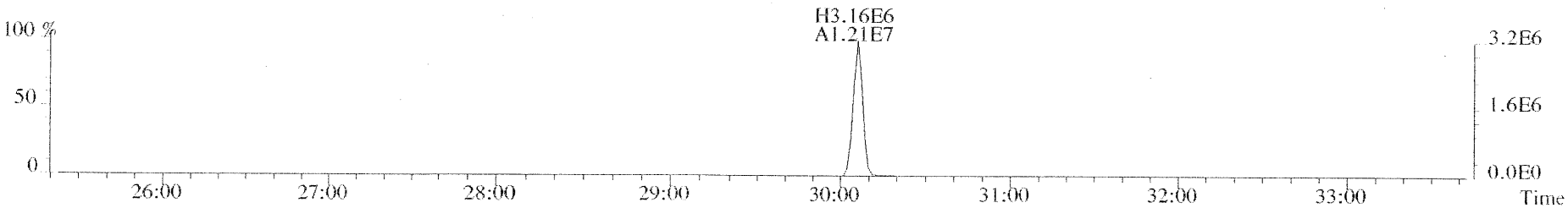
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



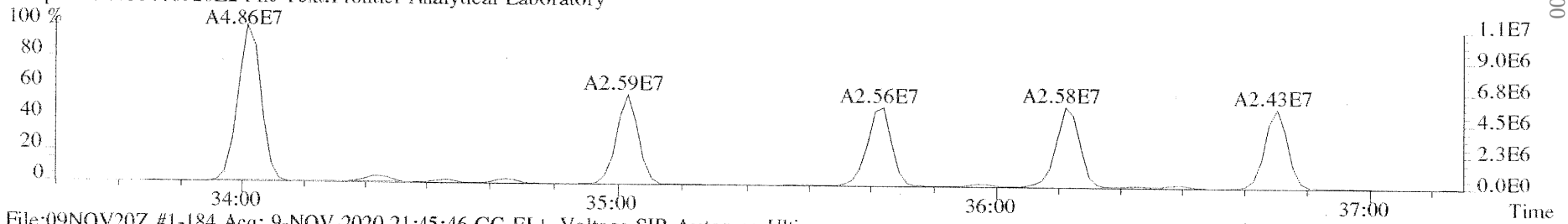
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



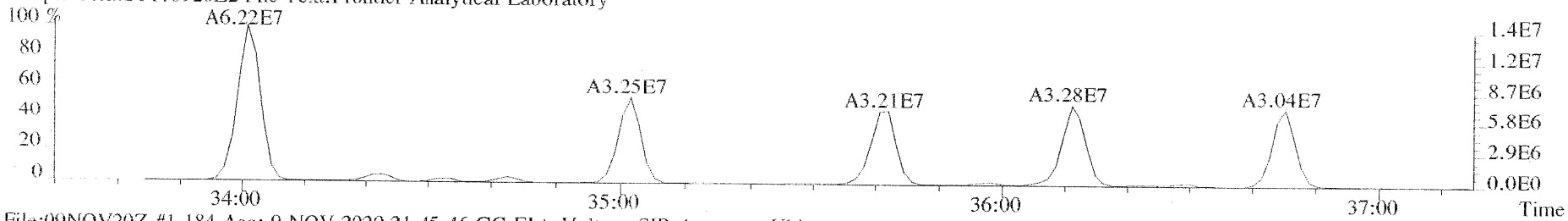
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



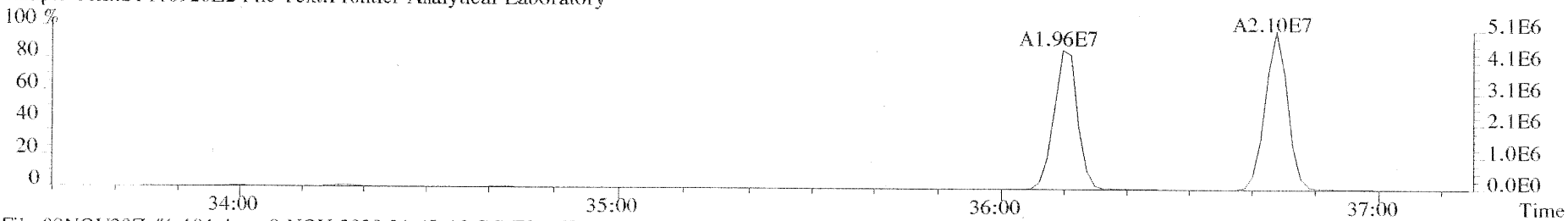
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



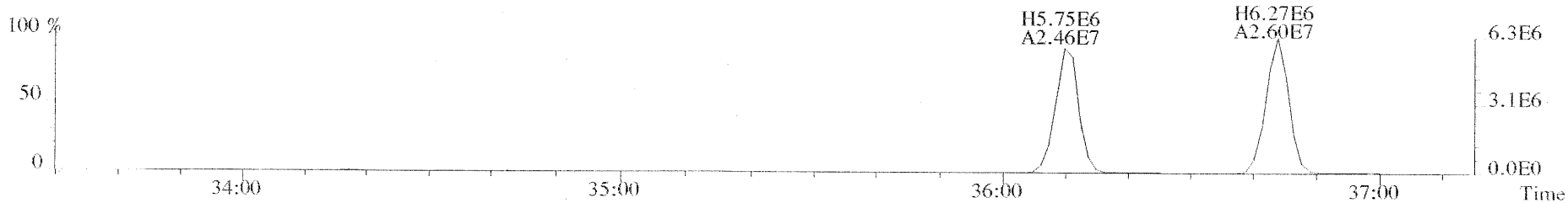
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



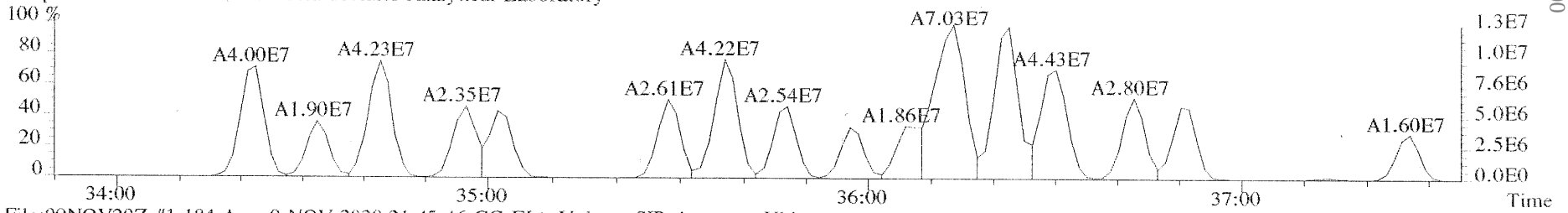
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



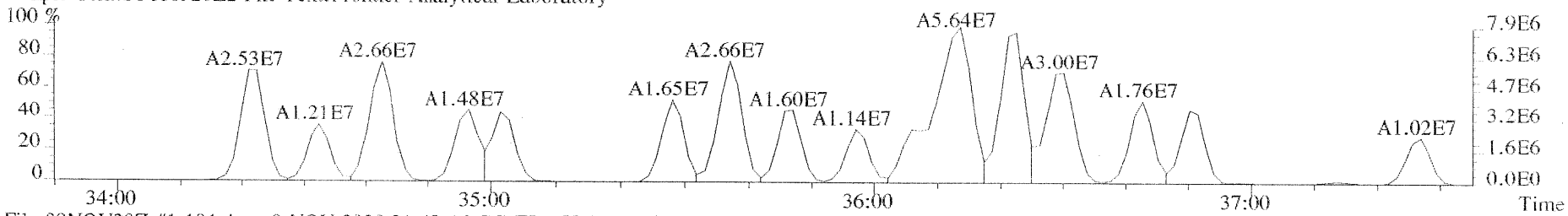
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



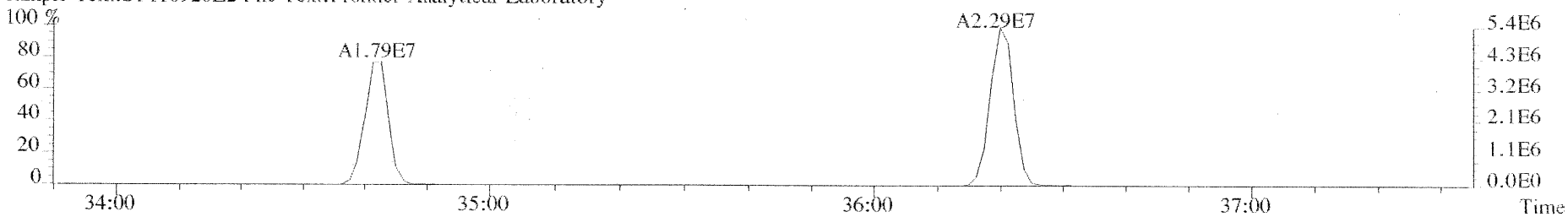
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



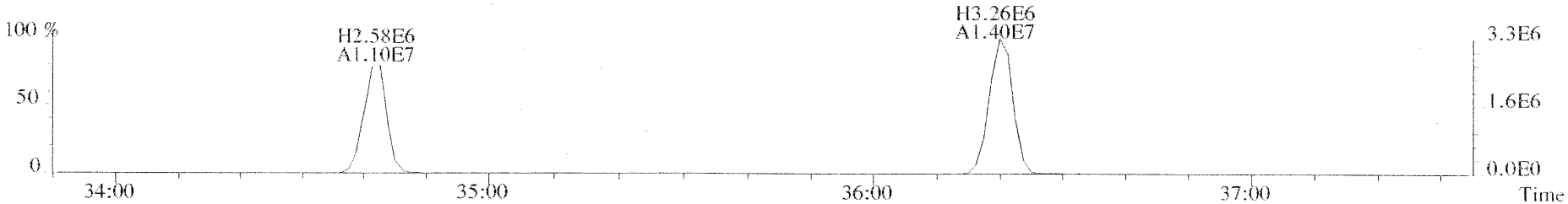
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



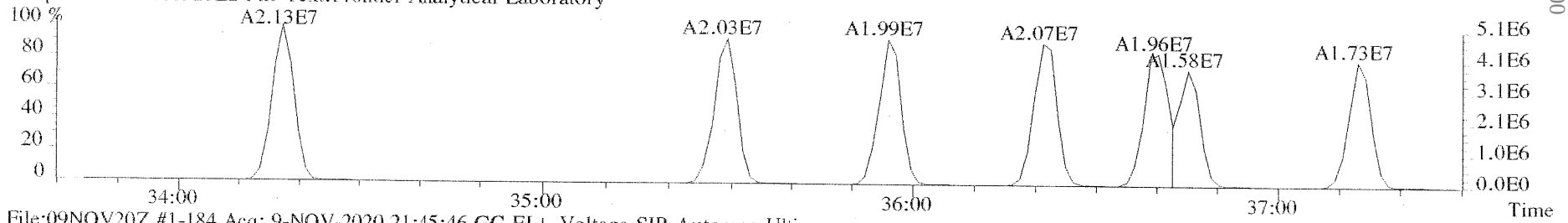
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



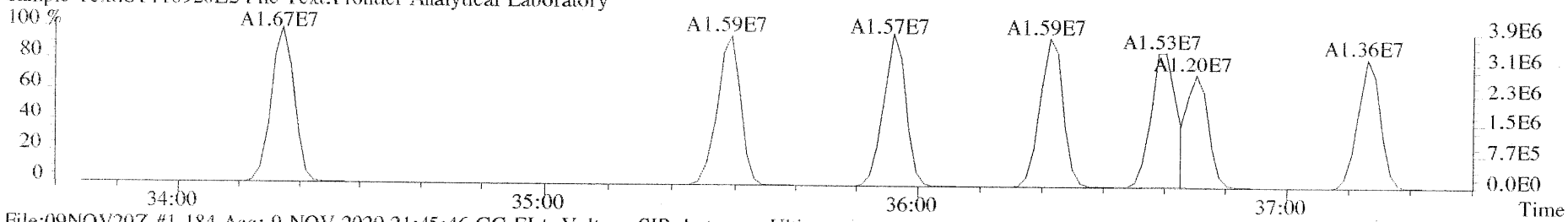
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



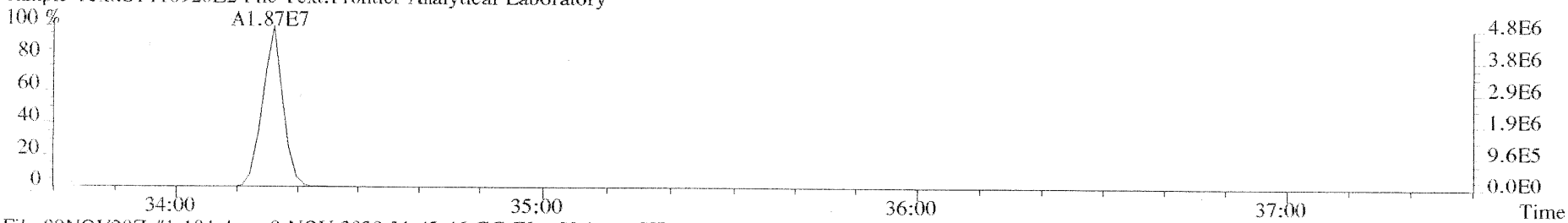
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



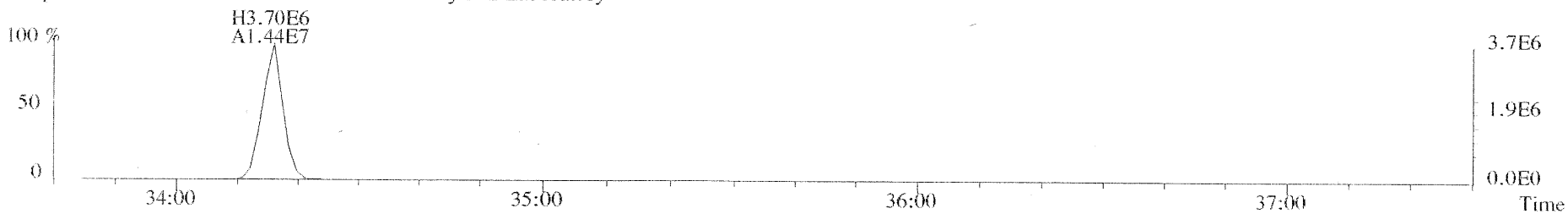
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



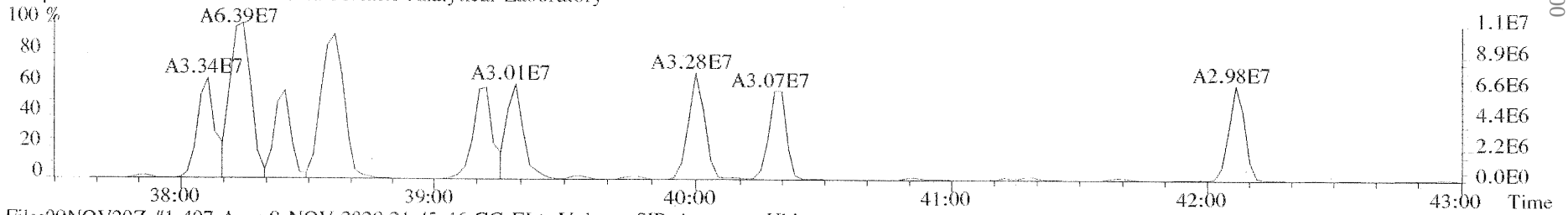
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



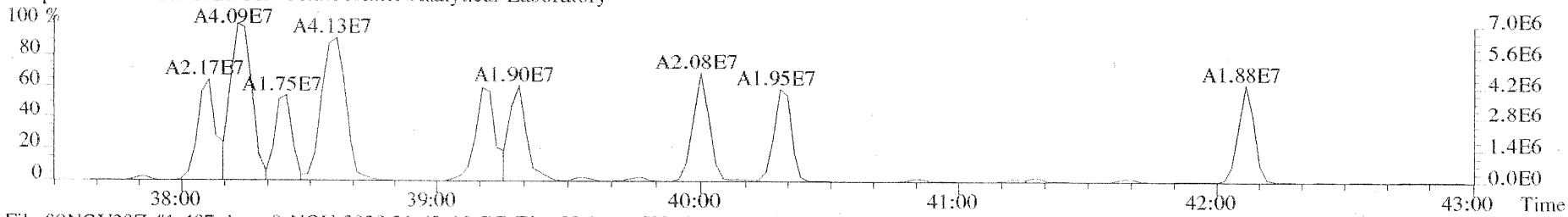
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



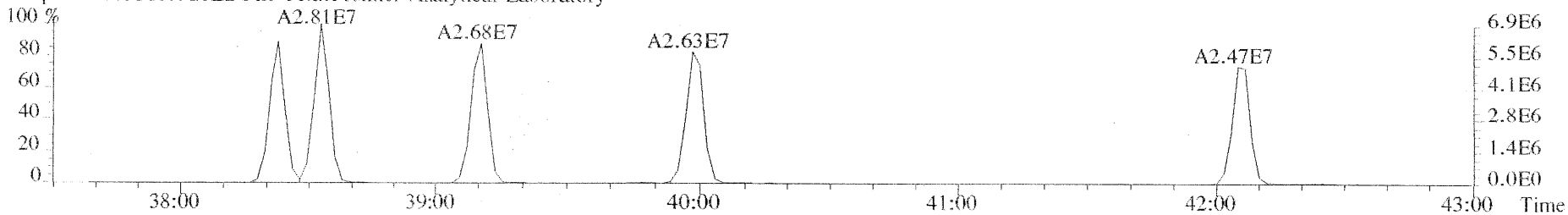
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



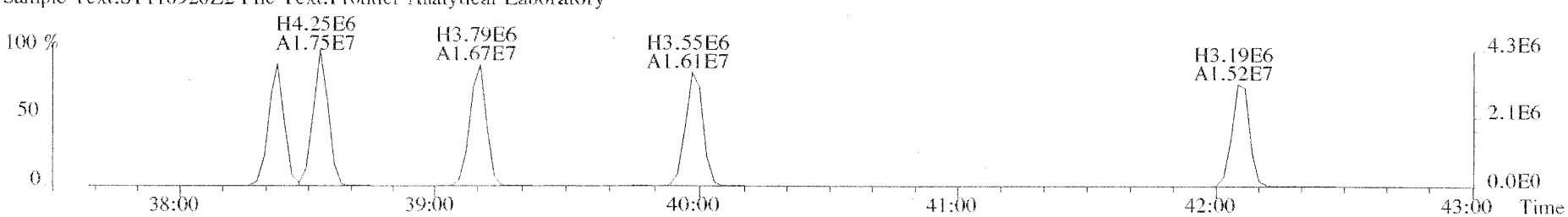
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



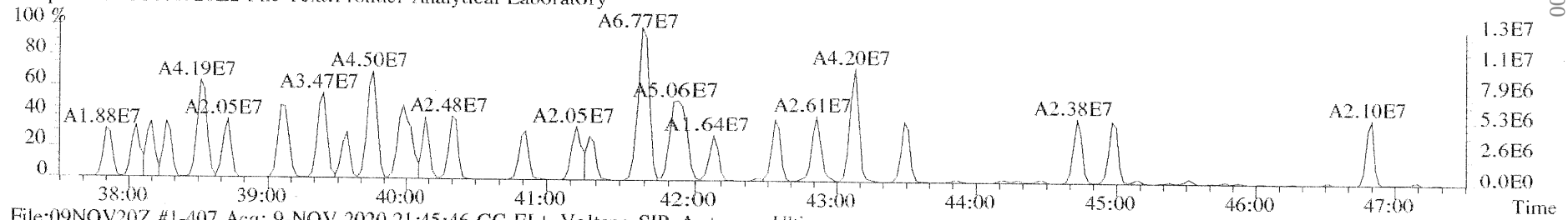
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



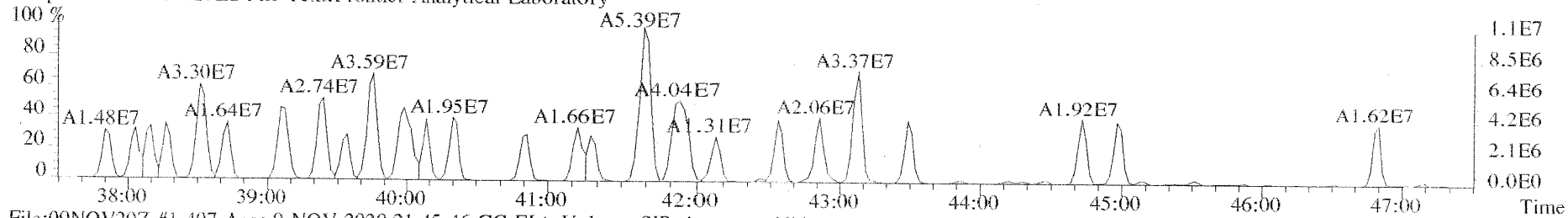
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



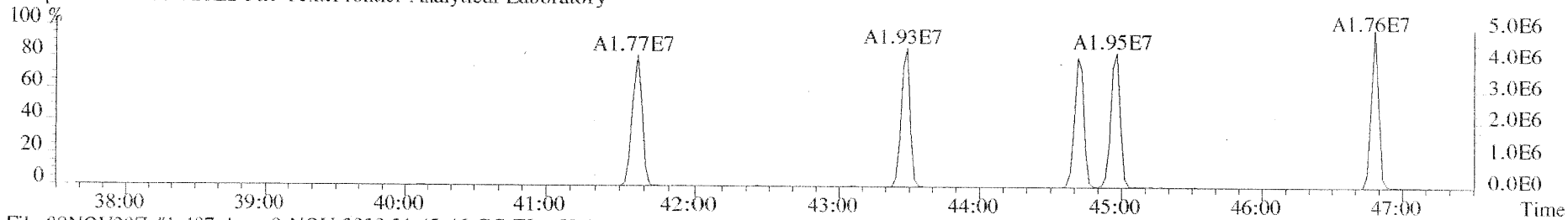
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



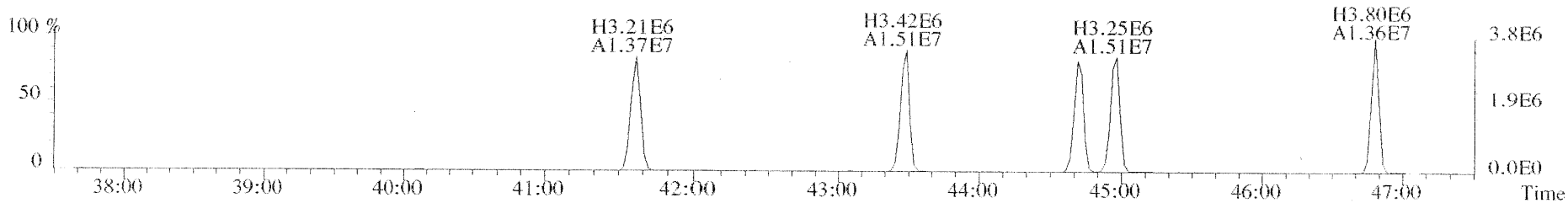
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



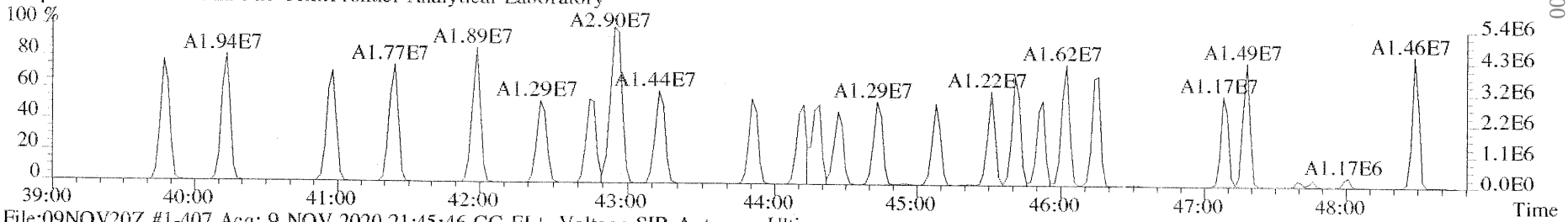
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



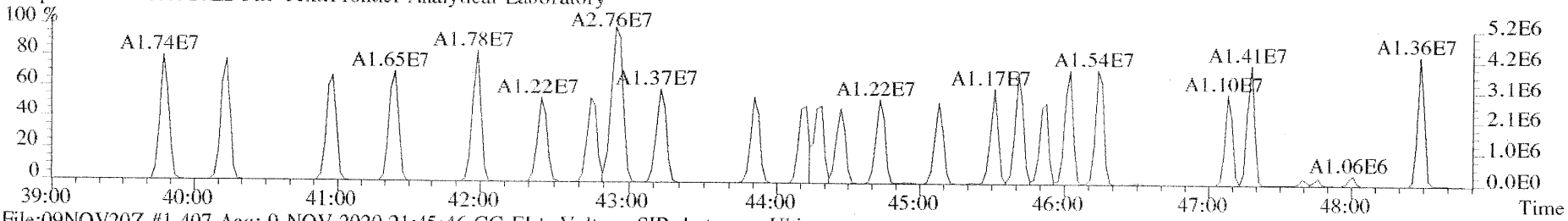
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



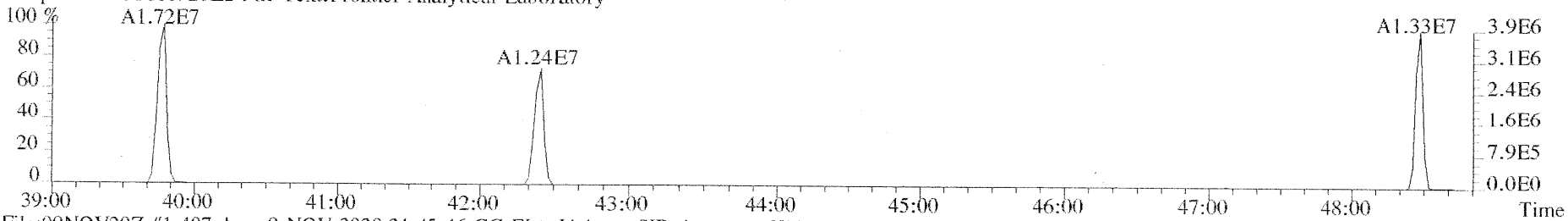
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



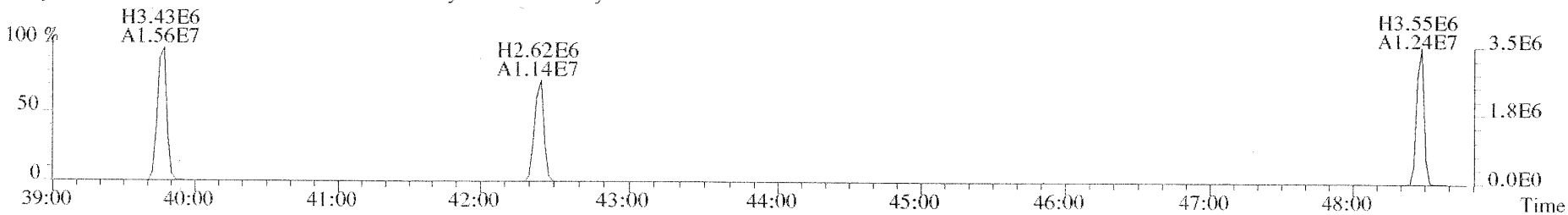
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



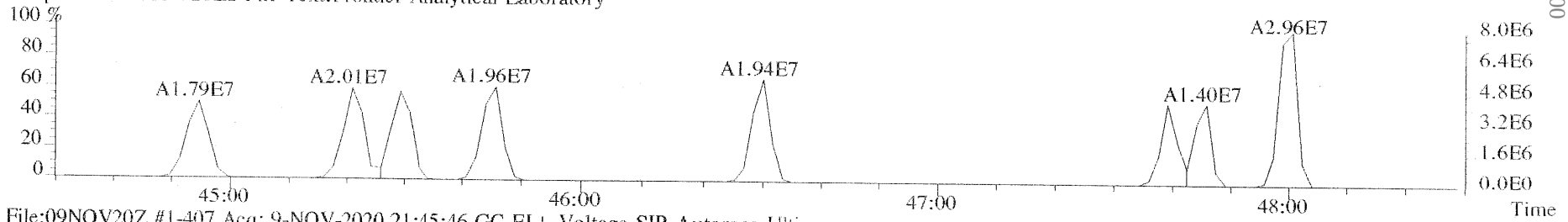
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



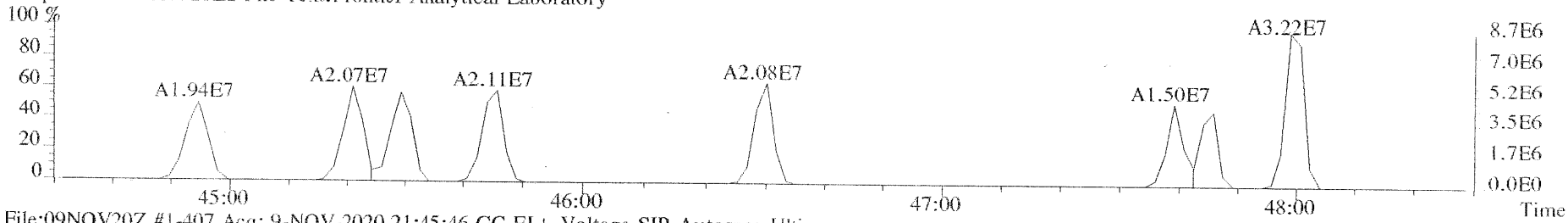
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



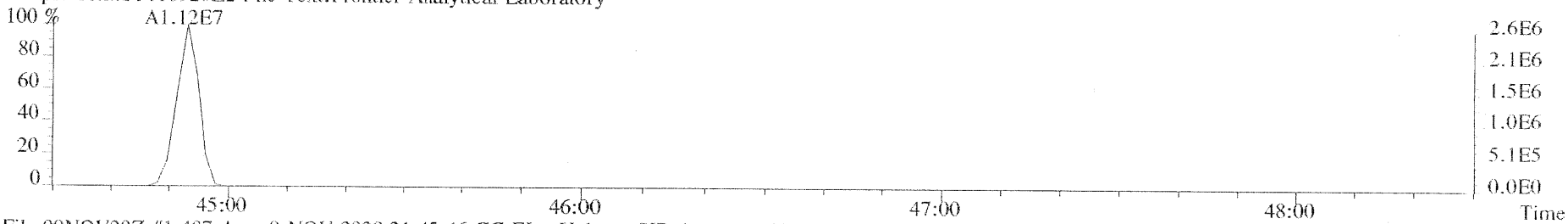
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



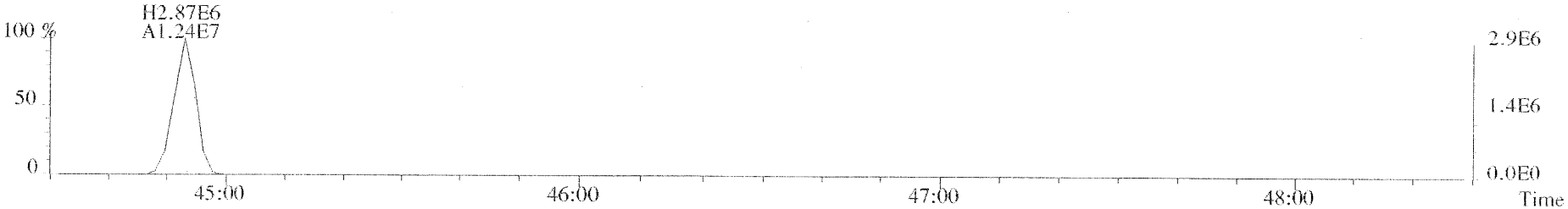
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



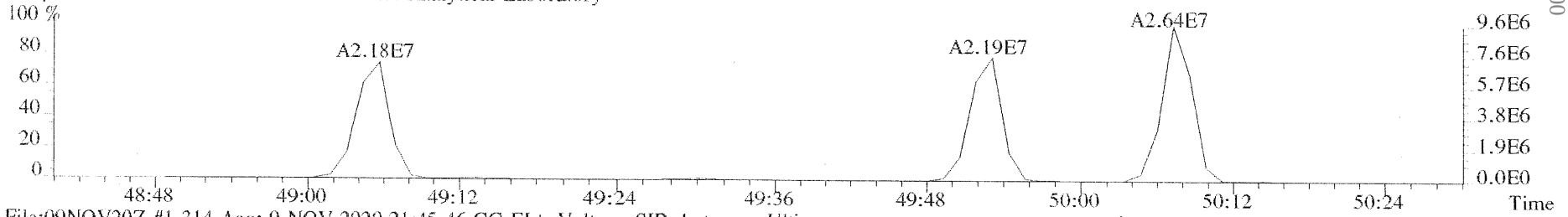
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



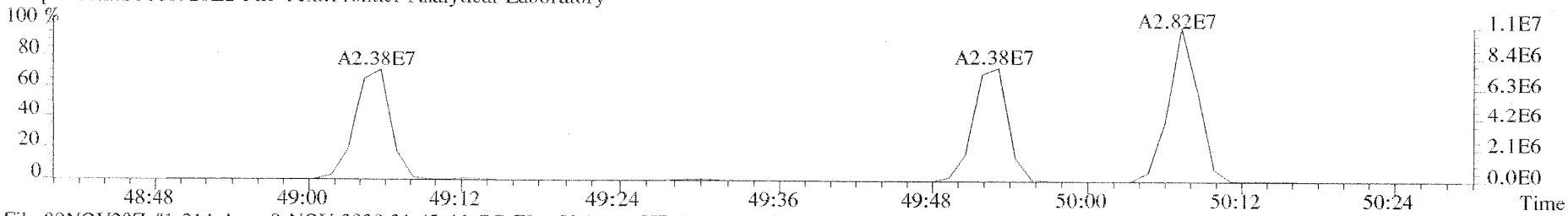
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



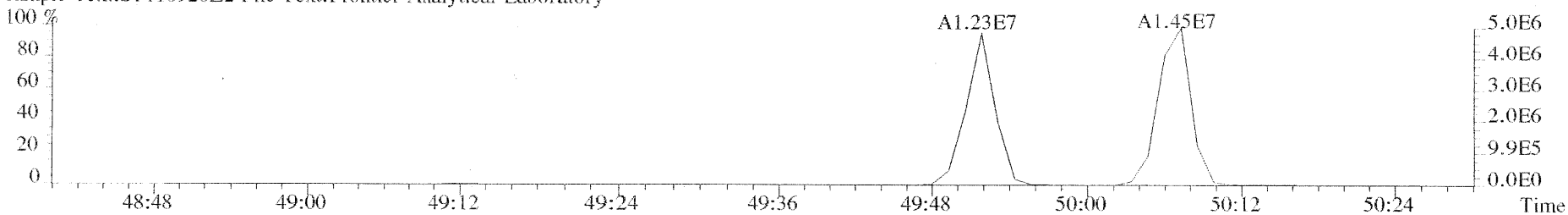
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



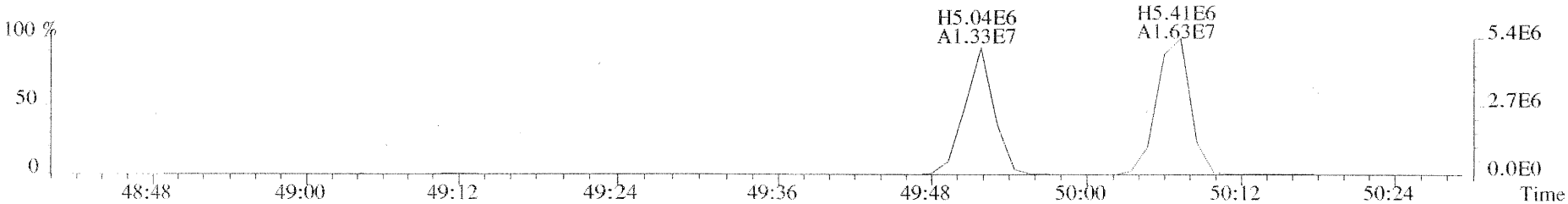
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



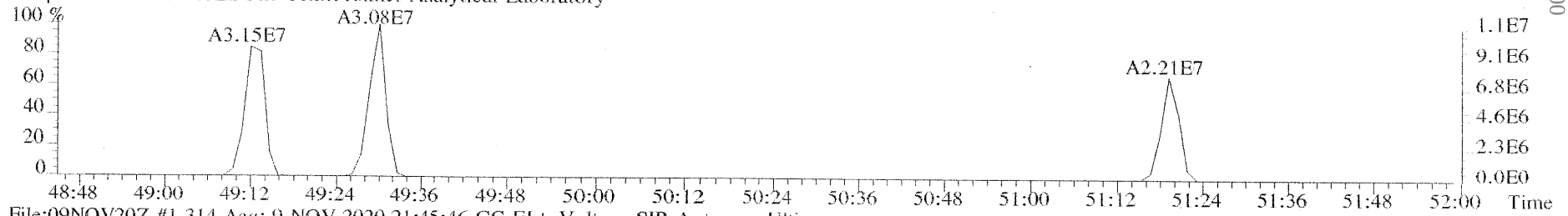
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



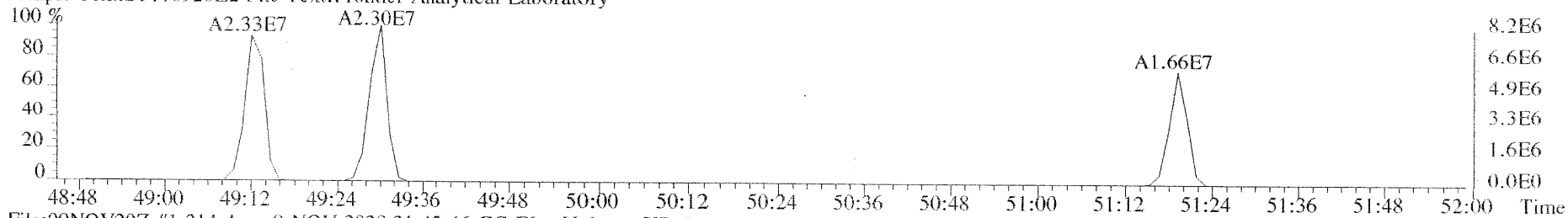
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



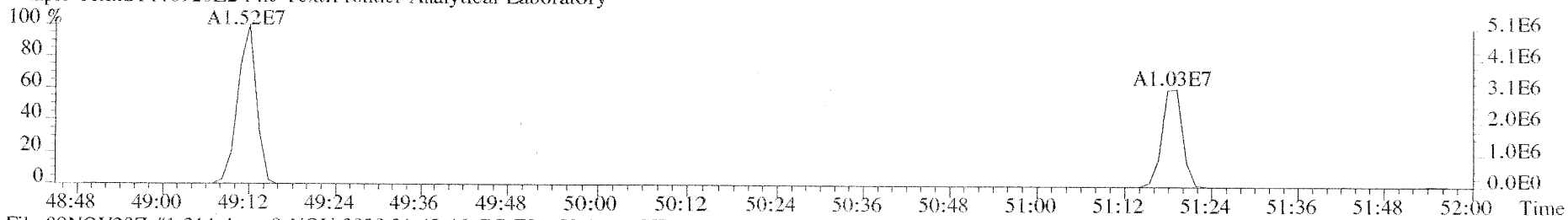
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



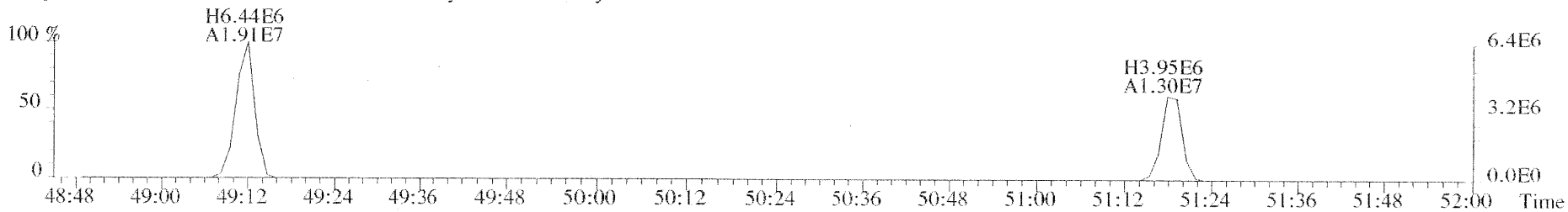
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



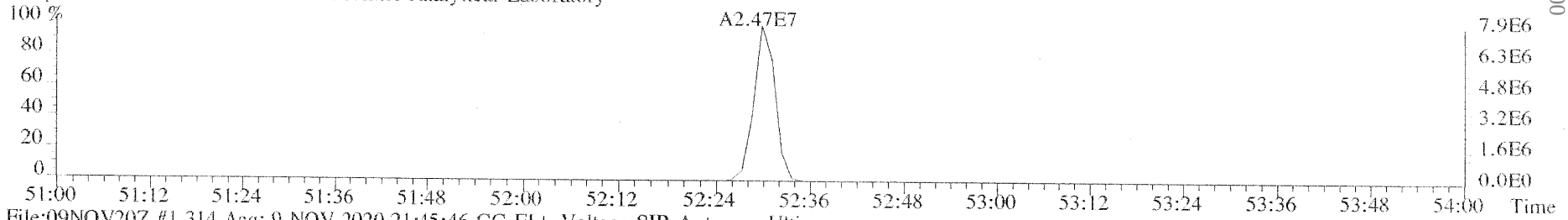
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



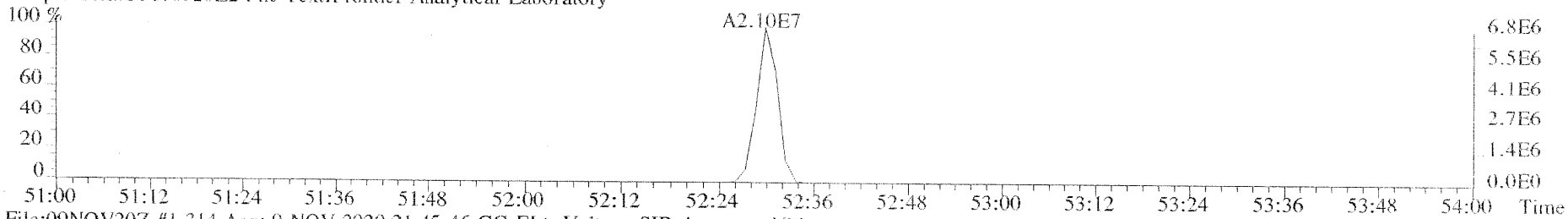
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



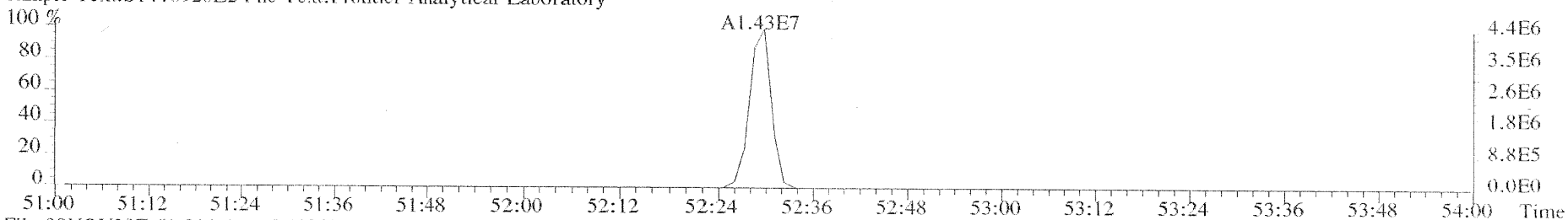
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



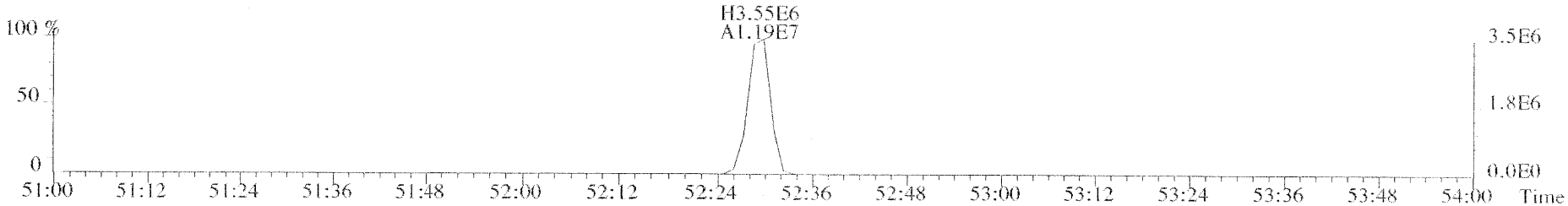
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



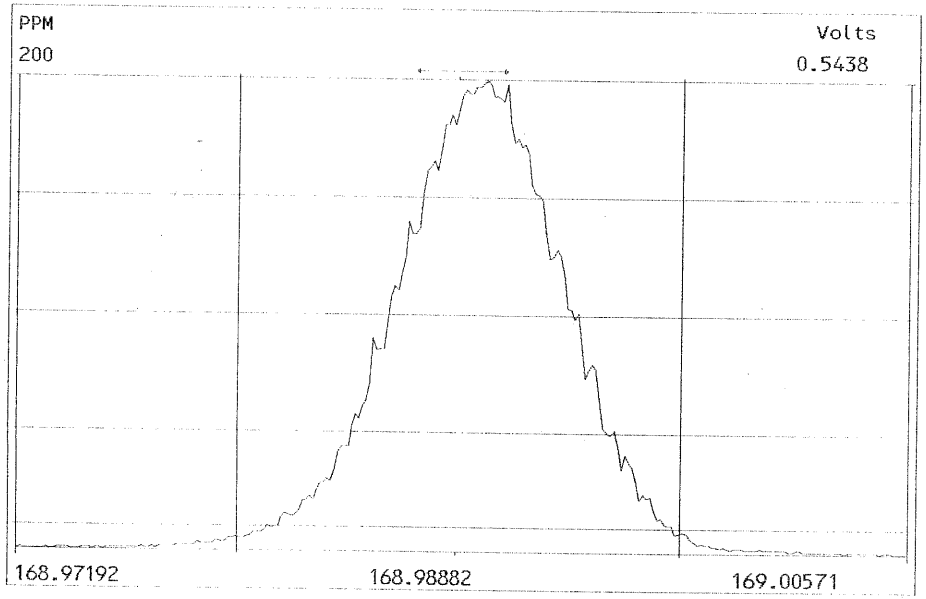
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory

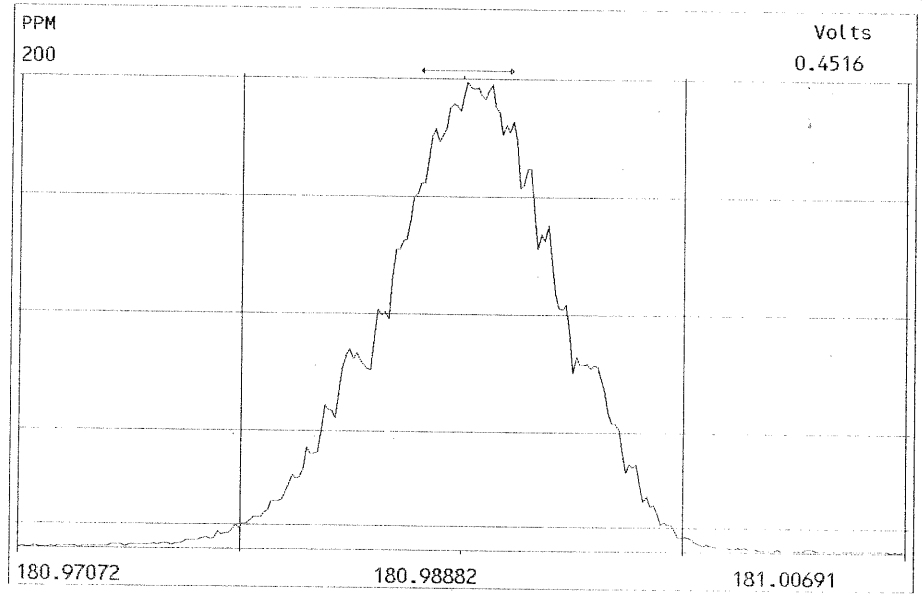


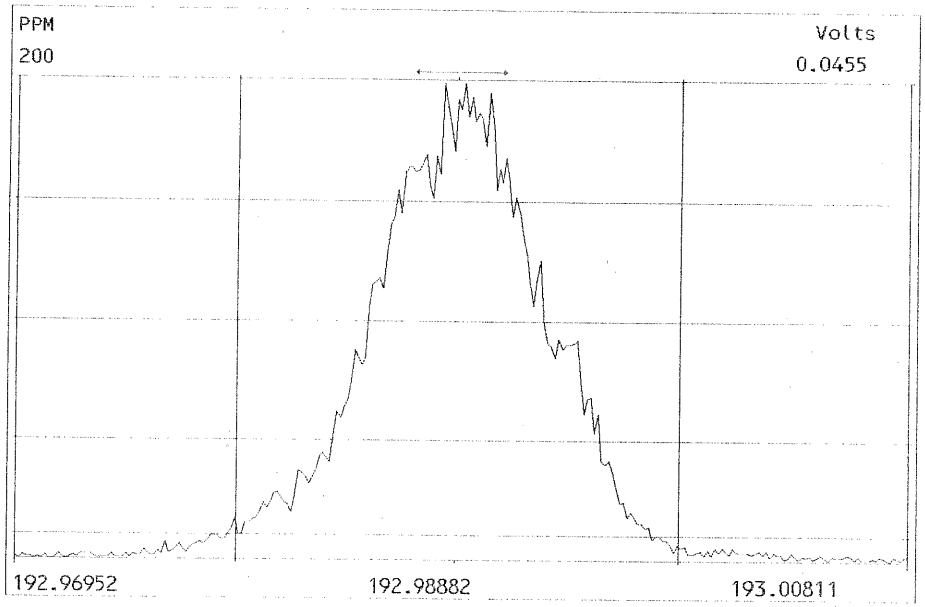
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory

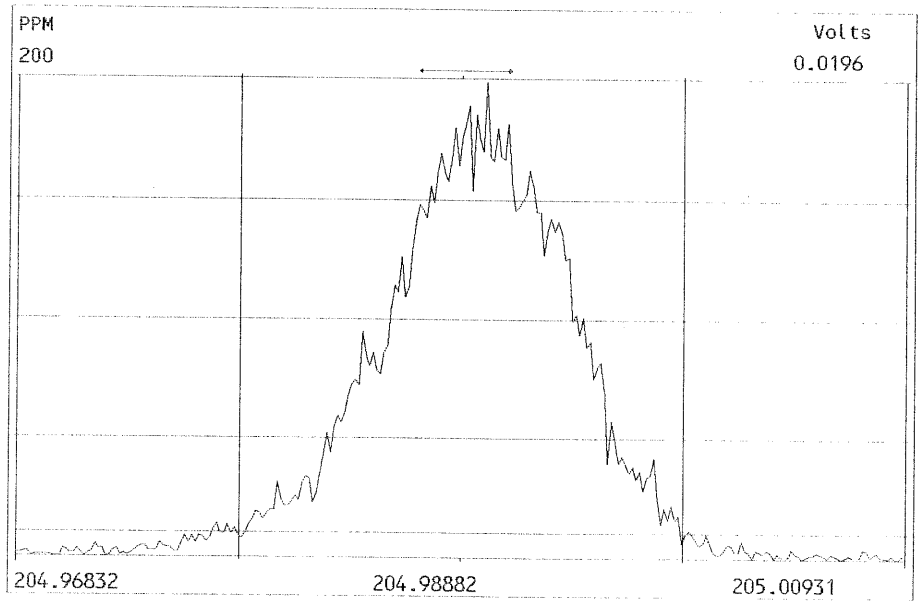


Peak Locate Examination: 9-NOV-2020:23:13 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

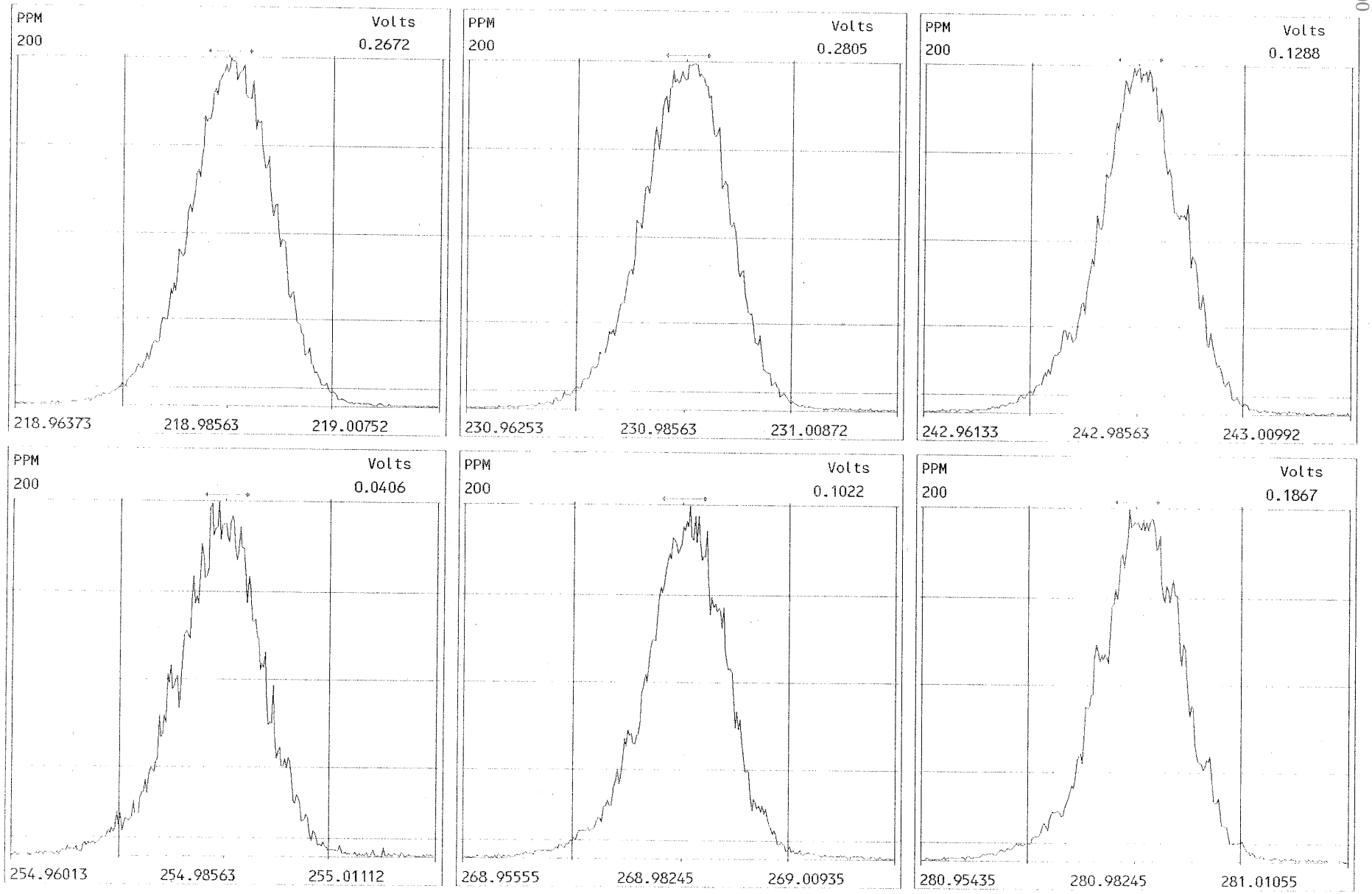






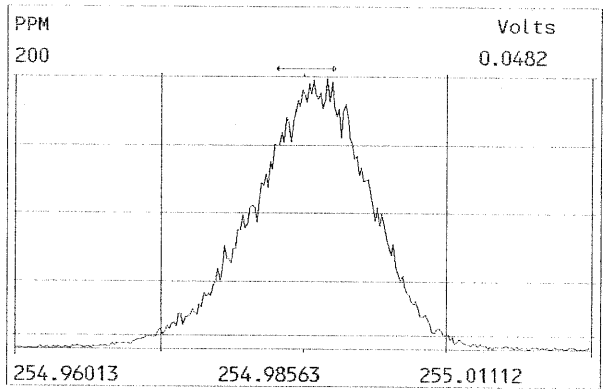


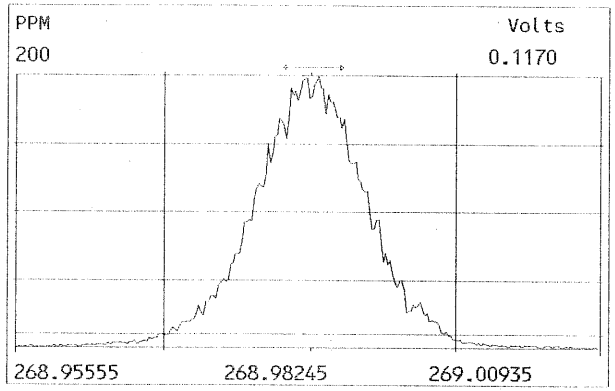
Peak Locate Examination: 9-NOV-2020:23:15 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

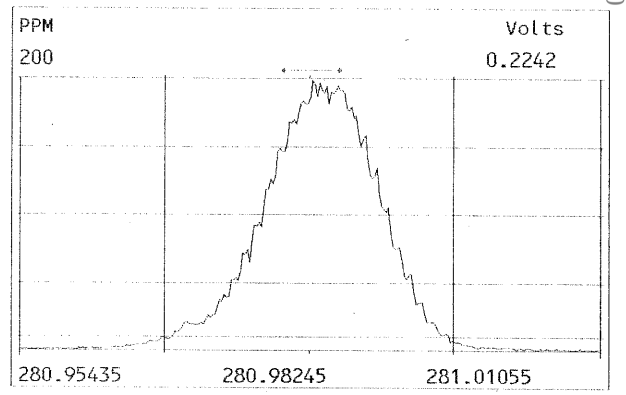


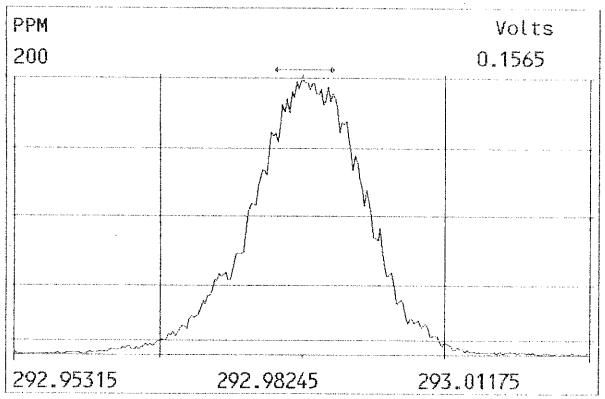
Peak Locate Examination: 9-NOV-2020:23:17 File:09NOV20Z_RES_CHECK

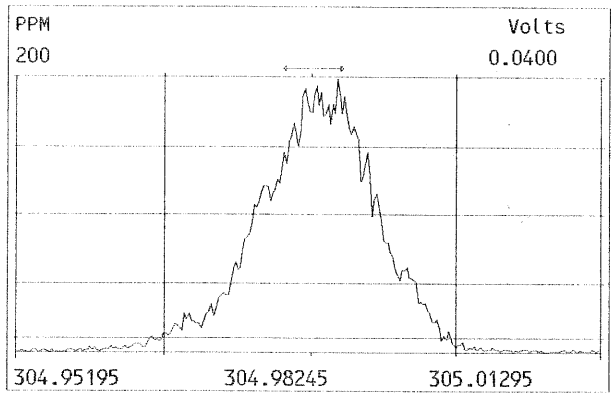
Experiment:1668PCB Function:3 Reference:PFK

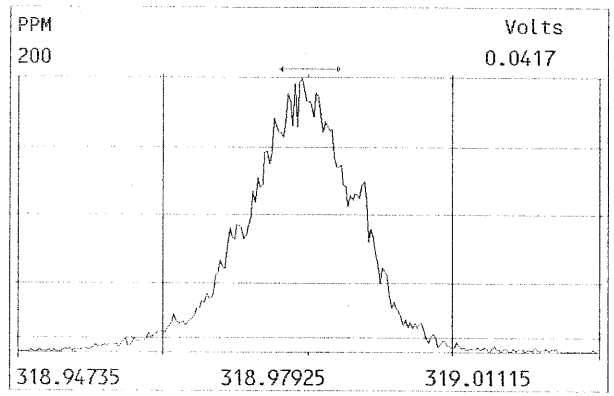


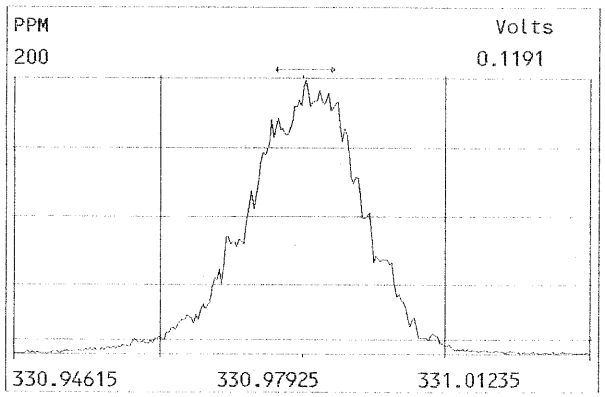


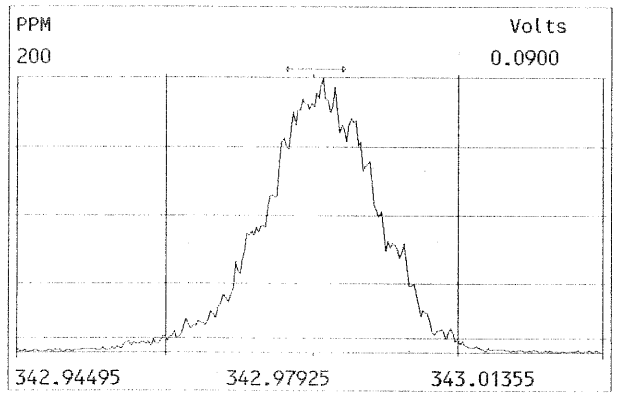




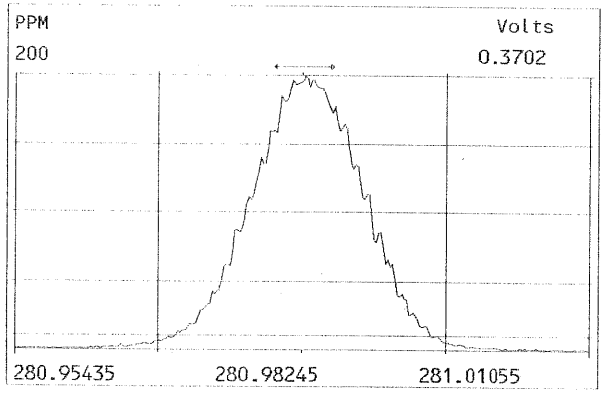


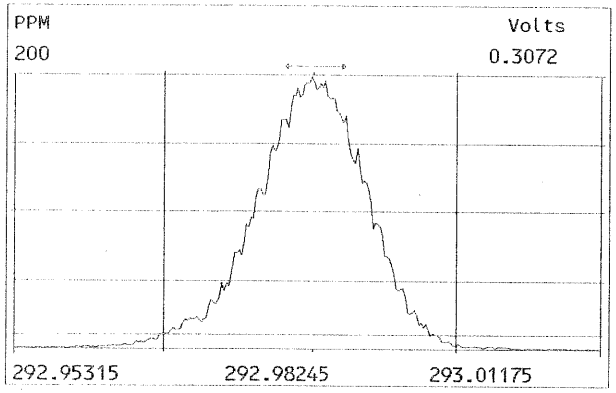


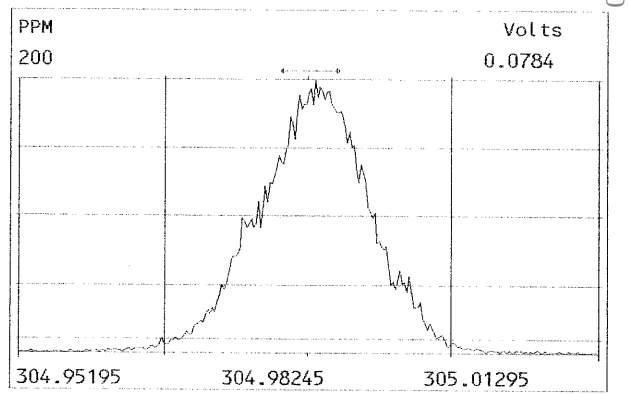


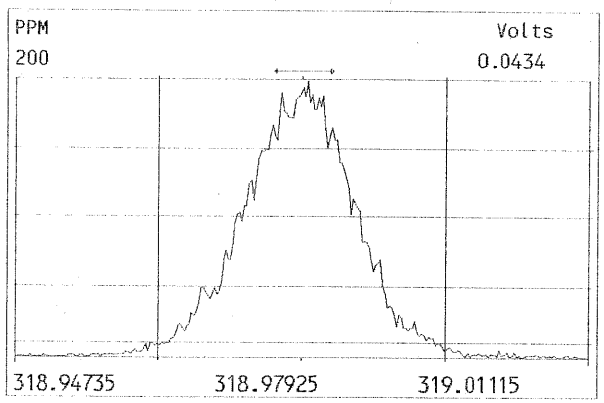


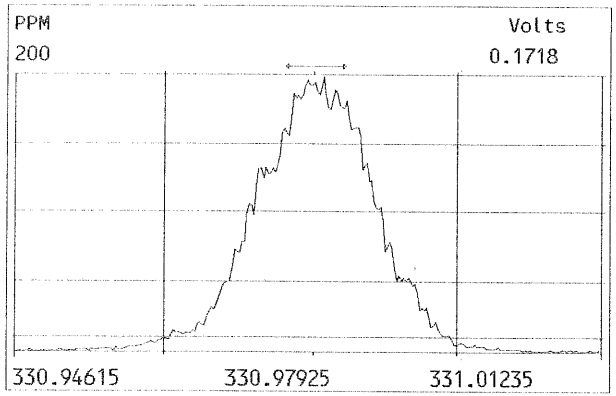
Peak Locate Examination: 9-NOV-2020:23:20 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

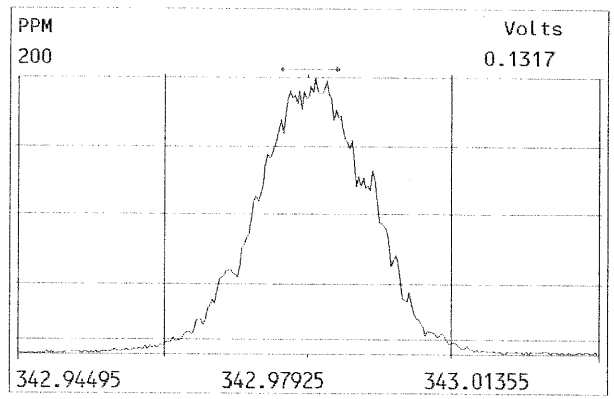


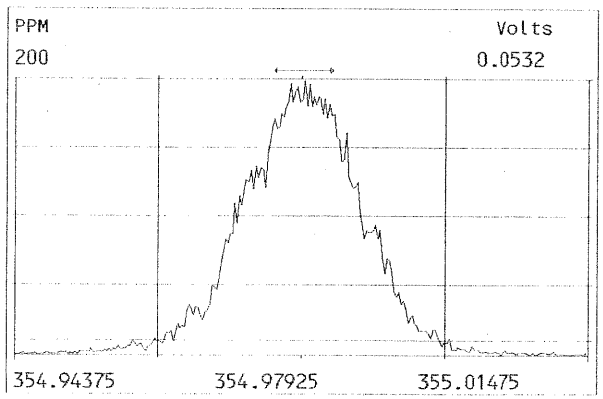


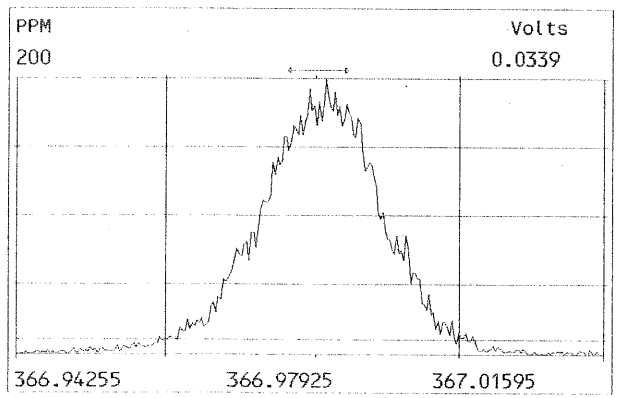


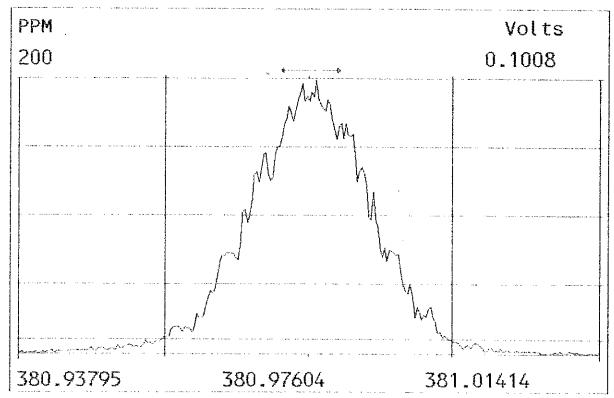




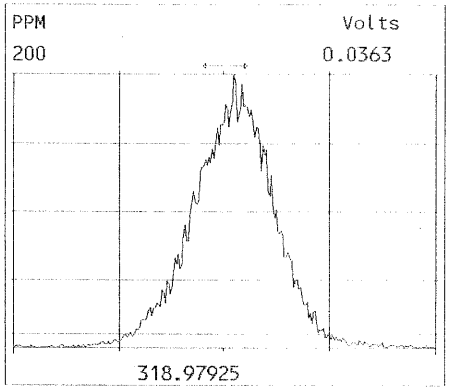


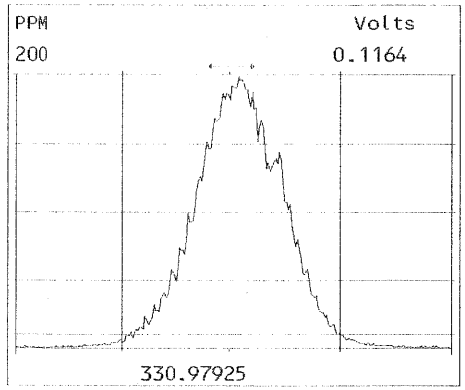


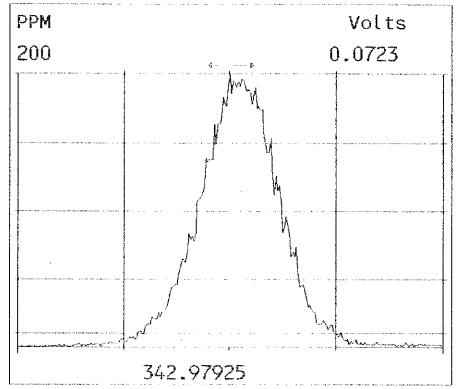


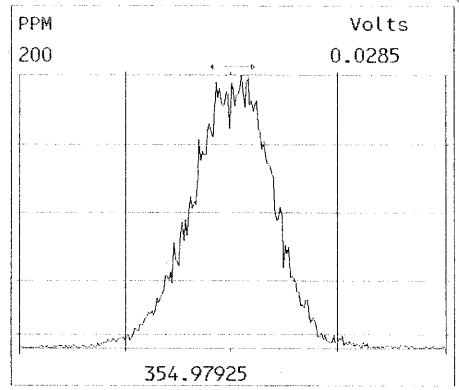


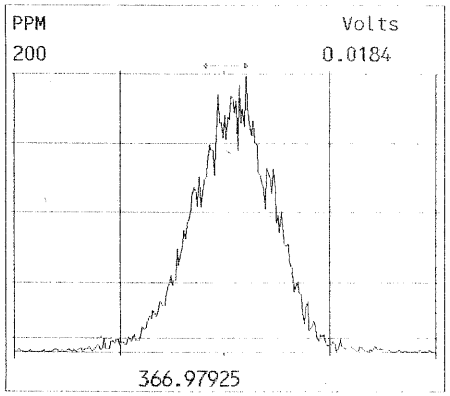
Peak Locate Examination: 9-NOV-2020:23:22 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

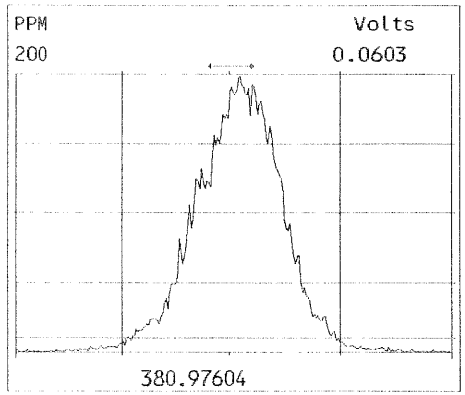


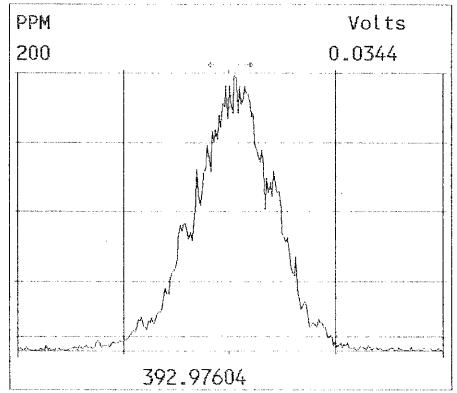


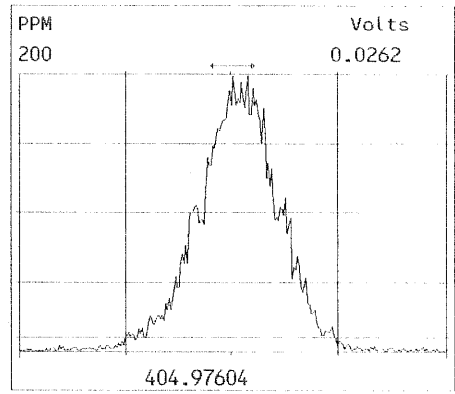


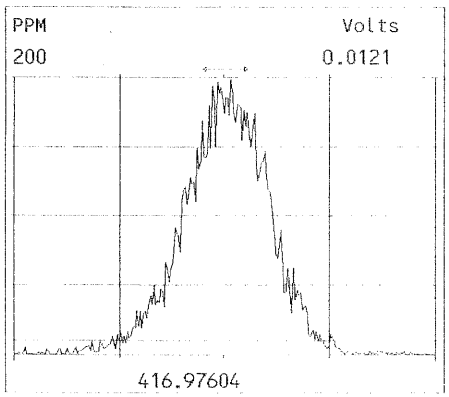


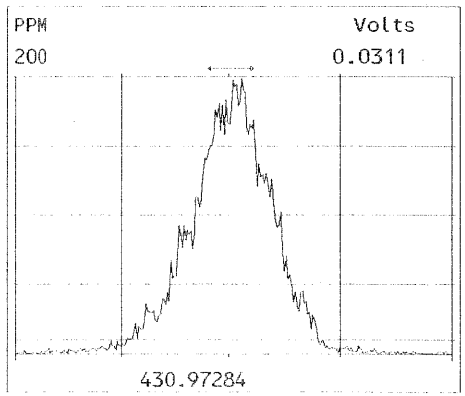


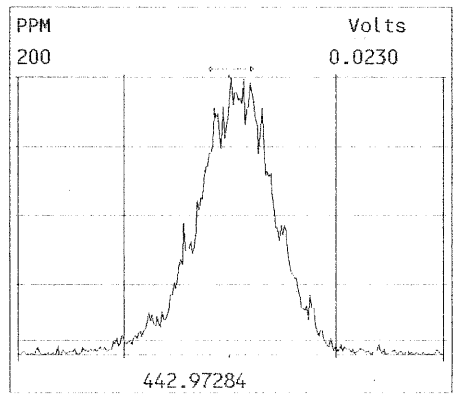




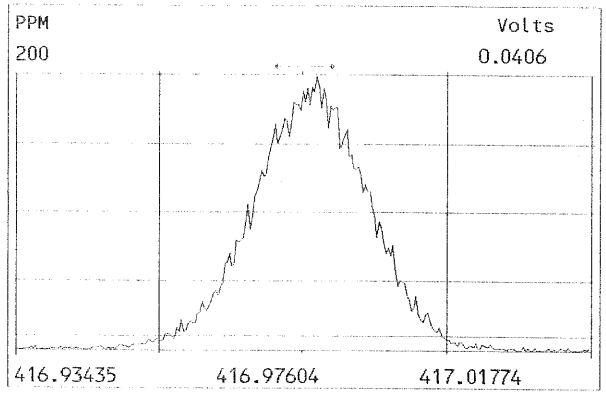


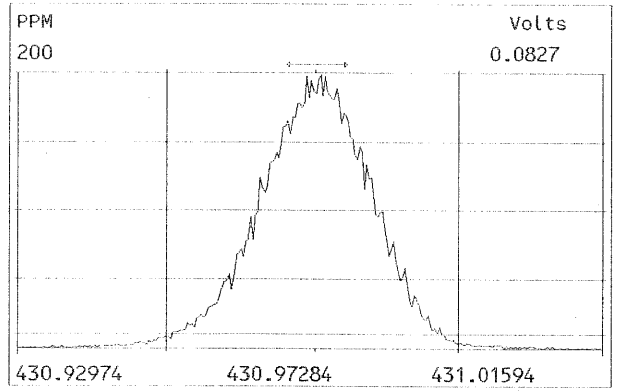


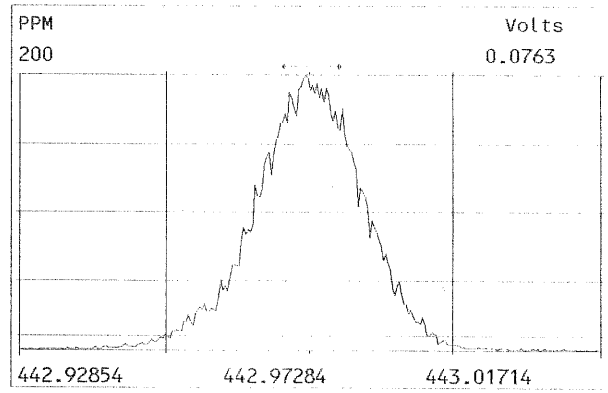


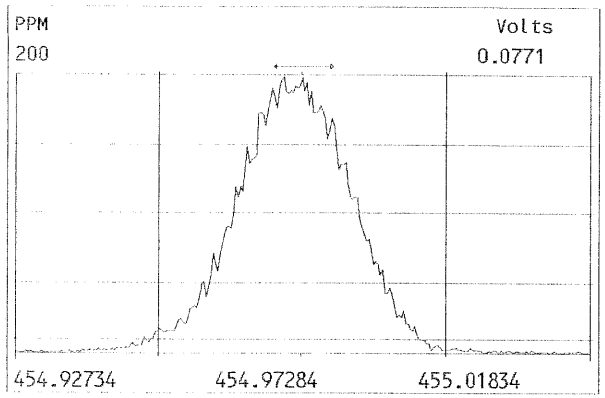


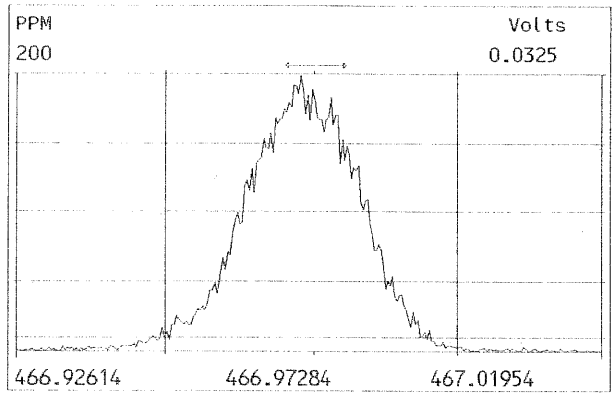
Peak Locate Examination: 9-NOV-2020:23:24 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

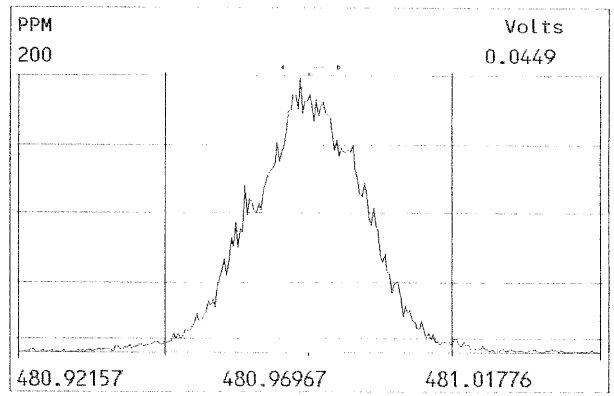


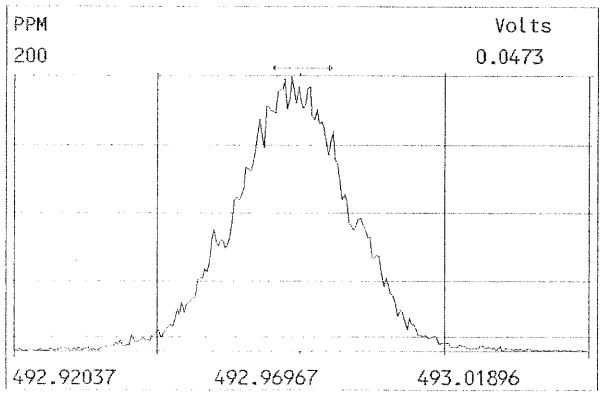


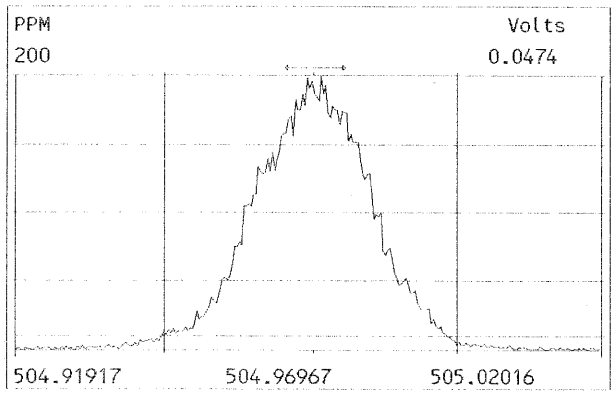


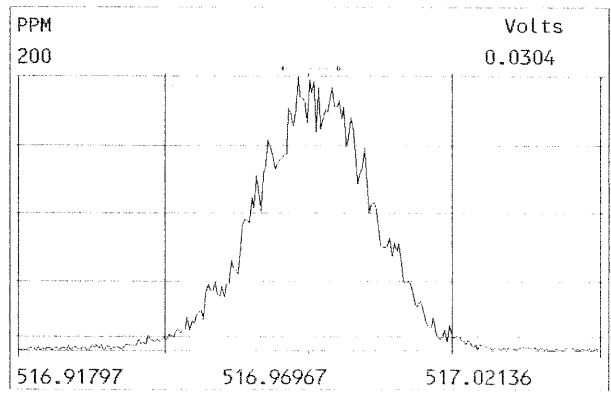












Cal: DAILY209FAL4-11-10-20

Run: 10NOV20Z Analyte: DAILY209FAL4-11-10-20 Results: Version: V3.6 21-MAY-2002 15:28:22

Data Filename:10NOV20Z S1

Name	Mean RRF	S. D.	RRF#1	
PCB-1	1.2321	-	1.23	
13C-PCB-1	0.8889	-	0.89	
PCB-2	1.2517	-	1.25	
PCB-3	1.2129	-	1.21	
13C-PCB-3	0.8683	-	0.87	
PCB-4	0.9732	-	0.97	
PCB-10	1.5227	-	1.52	
13C-PCB-4	0.6539	-	0.65	
PCB-9	1.4130	-	1.41	
PCB-7	1.4305	-	1.43	
PCB-6	1.3219	-	1.32	
PCB-8	1.3772	-	1.38	
PCB-5	1.3413	-	1.34	
PCB-14	1.3872	-	1.39	
PCB-11	1.2386	-	1.24	
PCB-13	1.2923	-	1.29	
PCB-12	1.3158	-	1.32	
PCB-15	1.1832	-	1.18	
13C-PCB-15	0.9599	-	0.96	
PCB-19	1.3527	-	1.35	
PCB-30	2.0102	-	2.01	
PCB-18	1.3449	-	1.34	
PCB-17	1.4783	-	1.48	
PCB-27	1.9366	-	1.94	
PCB-24	1.9290	-	1.93	
PCB-16	1.6359	-	1.64	
PCB-32	1.6932	-	1.69	
13C-PCB-19	0.4460	-	0.45	
13C-PCB-9	-	-	-	
PCB-34	1.2695	-	1.27	
PCB-23	1.3119	-	1.31	
PCB-29	1.3044	-	1.30	
PCB-26	1.2196	-	1.22	
PCB-25	1.2064	-	1.21	
PCB-31	1.1821	-	1.18	
PCB-28	1.5075	-	1.51	
PCB-20	1.2144	-	1.21	Co-elute PCB 21/33
PCB-21	1.2144	-	1.21	Co-elute PCB 20/33
PCB-33	1.2144	-	1.21	Co-elute PCB 20/21
PCB-22	1.3959	-	1.40	
PCB-36	1.2323	-	1.23	
PCB-39	1.2073	-	1.21	
PCB-38	1.1699	-	1.17	
PCB-35	1.1373	-	1.14	
PCB-37	1.1978	-	1.20	
13C-PCB-37	1.3996	-	1.40	

PCB-54	1.2410	-	1.24	
PCB-50	0.9157	-	0.92	
PCB-53	0.9138	-	0.91	
PCB-51	0.9822	-	0.98	
PCB-45	0.7920	-	0.79	
PCB-46	0.7775	-	0.78	
PCB-52	0.9121	-	0.91	Co-elute PCB 69
PCB-69	0.9121	-	0.91	Co-elute PCB 52
PCB-73	1.2259	-	1.23	
PCB-43	0.8228	-	0.82	Co-elute PCB 49
PCB-49	0.8228	-	0.82	Co-elute PCB 43
PCB-47	0.9021	-	0.90	
PCB-48	1.0532	-	1.05	Co-elute PCB 75
PCB-75	1.0532	-	1.05	Co-elute PCB 48
PCB-65	1.0868	-	1.09	
PCB-62	1.1203	-	1.12	
PCB-44	0.7332	-	0.73	
PCB-42	0.9600	-	0.96	Co-elute PCB 59
PCB-59	0.9600	-	0.96	Co-elute PCB 42
PCB-72	1.0480	-	1.05	Co-elute PCB 41/71/64
PCB-41	1.0480	-	1.05	Co-elute PCB 72/71/64
PCB-71	1.0480	-	1.05	Co-elute PCB 72/41/64
PCB-64	1.0480	-	1.05	Co-elute PCB 72/41/71
PCB-68	1.2808	-	1.28	
PCB-40	0.6876	-	0.69	
PCB-57	1.1301	-	1.13	
PCB-67	1.1675	-	1.17	
PCB-58	1.1278	-	1.13	
PCB-63	1.1336	-	1.13	
PCB-74	1.1547	-	1.15	
PCB-61	1.0601	-	1.06	Co-elute PCB 70
PCB-70	1.0601	-	1.06	Co-elute PCB 61
PCB-76	1.2059	-	1.21	Co-elute PCB 66
PCB-66	1.2059	-	1.21	Co-elute PCB 76
PCB-80	1.3688	-	1.37	
PCB-55	1.1908	-	1.19	
13C-PCB-54	1.2442	-	1.24	
PCB-104	1.1435	-	1.14	
PCB-96	1.1000	-	1.10	
PCB-103	0.9020	-	0.90	
PCB-100	0.9094	-	0.91	
PCB-94	0.7605	-	0.76	
PCB-98	0.7832	-	0.78	Co-elute PCB 102
PCB-102	0.7832	-	0.78	Co-elute PCB 98
PCB-95	0.8427	-	0.84	
PCB-93	0.7843	-	0.78	
PCB-88	0.8916	-	0.89	Co-elute PCB 91
PCB-91	0.8916	-	0.89	Co-elute PCB 88
PCB-121	0.9820	-	0.98	
13C-PCB-104	0.9802	-	0.98	
13C-PCB-28	1.7398	-	1.74	
13C-PCB-52	-	-	-	

PCB-56	1.2256	-	1.23	Co-elute PCB 60
PCB-60	1.2256	-	1.23	Co-elute PCB 56
PCB-79	1.2529	-	1.25	
PCB-78	1.2283	-	1.23	
PCB-81	1.2545	-	1.25	
13C-PCB-81	1.3344	-	1.33	
PCB-77	1.1110	-	1.11	
13C-PCB-77	1.3936	-	1.39	
PCB-155	1.0992	-	1.10	
PCB-150	1.0359	-	1.04	
PCB-152	1.0053	-	1.01	
PCB-145	1.0215	-	1.02	
PCB-136	0.9937	-	0.99	
PCB-148	0.7781	-	0.78	
PCB-154	0.8809	-	0.88	
13C-PCB-155	1.1848	-	1.18	
13C-PCB-111	1.2628	-	1.26	
13C-PCB-101	-	-	-	
PCB-84	0.7806	-	0.78	Co-elute PCB 92
PCB-92	0.7806	-	0.78	Co-elute PCB 84
PCB-89	0.7688	-	0.77	
PCB-90	0.8527	-	0.85	Co-elute PCB 101
PCB-101	0.8527	-	0.85	Co-elute PCB 90
PCB-113	0.9623	-	0.96	
PCB-99	0.9394	-	0.94	
PCB-119	1.0622	-	1.06	
PCB-83	0.8774	-	0.88	Co-elute PCB 112
PCB-112	0.8774	-	0.88	Co-elute PCB 83
PCB-109	1.0384	-	1.04	
PCB-97	0.7328	-	0.73	
PCB-86	0.7611	-	0.76	
PCB-125	0.9437	-	0.94	Co-elute PCB 87/117
PCB-87	0.9437	-	0.94	Co-elute PCB 125/117
PCB-117	0.9437	-	0.94	Co-elute PCB 125/87
PCB-111	1.0645	-	1.06	Co-elute PCB 115
PCB-115	1.0645	-	1.06	Co-elute PCB 111
PCB-85	0.9601	-	0.96	Co-elute PCB 116
PCB-116	0.9601	-	0.96	Co-elute PCB 85
PCB-120	1.1394	-	1.14	
PCB-110	1.0863	-	1.09	
PCB-82	0.6556	-	0.66	
PCB-124	1.1885	-	1.19	
PCB-108	1.1389	-	1.14	Co-elute PCB 107
PCB-107	1.1389	-	1.14	Co-elute PCB 108
PCB-123	1.0855	-	1.09	
13C-PCB-123	1.2188	-	1.22	
PCB-118	1.1303	-	1.13	Co-elute PCB 106
PCB-106	1.1303	-	1.13	Co-elute PCB 118
13C-PCB-118	1.3026	-	1.30	
PCB-114	1.2120	-	1.21	
13C-PCB-114	1.2860	-	1.29	
PCB-122	1.1327	-	1.13	
PCB-105	1.1805	-	1.18	
13C-PCB-105	1.2706	-	1.27	
PCB-127	1.0954	-	1.10	
PCB-126	1.1472	-	1.15	
13C-PCB-126	1.1594	-	1.16	

PCB-151	0.9320	-	0.93	
PCB-135	0.9542	-	0.95	
PCB-144	0.9586	-	0.96	
PCB-147	1.0051	-	1.01	
PCB-139	1.0116	-	1.01	Co-elute PCB 149
PCB-149	1.0116	-	1.01	Co-elute PCB 139
PCB-140	1.0403	-	1.04	
PCB-143	0.8672	-	0.87	Co-elute PCB 134
PCB-134	0.8672	-	0.87	Co-elute PCB 143
PCB-131	0.8784	-	0.88	Co-elute PCB 133
PCB-133	0.8784	-	0.88	Co-elute PCB 131
PCB-142	0.8889	-	0.89	
PCB-165	1.1426	-	1.14	Co-elute PCB 146
PCB-146	1.1426	-	1.14	Co-elute PCB 165
PCB-161	1.1075	-	1.11	Co-elute PCB 132
PCB-132	1.1075	-	1.11	Co-elute PCB 161
PCB-153	1.1213	-	1.12	
PCB-168	1.2510	-	1.25	
PCB-141	0.9709	-	0.97	
PCB-137	1.0164	-	1.02	
PCB-130	0.8150	-	0.82	
PCB-138	1.1407	-	1.14	Co-elute PCB 163/164
PCB-163	1.1407	-	1.14	Co-elute PCB 138/164
PCB-164	1.1407	-	1.14	Co-elute PCB 138/163
PCB-158	1.2606	-	1.26	Co-elute PCB 160
PCB-160	1.2606	-	1.26	Co-elute PCB 158
PCB-129	0.8320	-	0.83	
PCB-166	1.2214	-	1.22	
PCB-159	1.2791	-	1.28	
PCB-128	1.0754	-	1.08	Co-elute PCB 162
PCB-162	1.0754	-	1.08	Co-elute PCB 128
PCB-167	1.1858	-	1.19	
13C-PCB-167	1.1272	-	1.13	
PCB-156	1.2143	-	1.21	
13C-PCB-156	1.0880	-	1.09	
PCB-157	1.1924	-	1.19	
13C-PCB-157	1.0929	-	1.09	
PCB-169	1.1176	-	1.12	
13C-PCB-169	1.0406	-	1.04	
PCB-188	1.0935	-	1.09	
13C-PCB-188	1.0621	-	1.06	

PCB-184	1.2741	-	1.27	
PCB-179	1.1955	-	1.20	
PCB-176	1.1519	-	1.15	
PCB-186	1.1764	-	1.18	
PCB-178	0.8429	-	0.84	
PCB-175	0.8846	-	0.88	
PCB-187	0.9313	-	0.93	Co-elute PCB 182
PCB-182	0.9313	-	0.93	Co-elute PCB 187
PCB-183	0.9409	-	0.94	
PCB-185	0.8667	-	0.87	
PCB-174	0.7938	-	0.79	
PCB-181	0.9322	-	0.93	
PCB-177	0.8171	-	0.82	
PCB-171	0.8731	-	0.87	
PCB-173	0.7626	-	0.76	
PCB-172	0.7980	-	0.80	
PCB-192	1.0613	-	1.06	
PCB-180	0.8215	-	0.82	
PCB-193	1.1329	-	1.13	
PCB-191	1.1361	-	1.14	
PCB-170	0.7825	-	0.78	
PCB-190	1.0518	-	1.05	
PCB-189	1.0874	-	1.09	
13C-PCB-189	0.8904	-	0.89	
PCB-202	1.1117	-	1.11	
PCB-201	1.1992	-	1.20	
PCB-204	1.1955	-	1.20	
PCB-197	1.2694	-	1.27	
PCB-200	1.2370	-	1.24	
PCB-198	0.9043	-	0.90	
PCB-199	0.8383	-	0.84	
PCB-203	0.9610	-	0.96	Co-elute PCB 196
PCB-196	0.9610	-	0.96	Co-elute PCB 203
13C-PCB-202	0.7530	-	0.75	
13C-PCB-178	0.8043	-	0.80	
13C-PCB-138	-	-	-	
PCB-195	0.8848	-	0.88	
PCB-194	0.8665	-	0.87	
PCB-205	1.0837	-	1.08	
13C-PCB-205	1.2562	-	1.26	
PCB-208	1.0819	-	1.08	
13C-PCB-208	1.2731	-	1.27	
PCB-207	1.2528	-	1.25	
PCB-206	1.1102	-	1.11	
13C-PCB-206	0.8657	-	0.87	
PCB-209	1.1941	-	1.19	
13C-PCB-209	1.0078	-	1.01	
13C-PCB-194	-	-	-	

Analyst: [illegible] Date: 11/10/20

Run #1 Filename 10NOV20Z S: 1 Acquired: 10-NOV-20 07:28:49 Cal: DAILY209FAL4-11-10-20
Client ID: ST111020Z1 Analyte: DAILY209FAL4-11-10-20 FAL ID: CS209 200406A

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	PCB-1	50.00	3.96e+07	3.20 y	14:32	-	1.23	
2	IS/RT	13C-PCB-1	100.00	6.42e+07	3.20 y	14:31	-	0.889	
3	Unk	PCB-2	50.00	3.97e+07	3.18 y	16:45	-	1.25	
4	Unk	PCB-3	50.00	3.80e+07	3.17 y	16:58	-	1.21	
5	IS/RT	13C-PCB-3	100.00	6.27e+07	3.23 y	16:57	-	0.868	
6	Unk	PCB-4	50.00	2.30e+07	1.47 y	18:14	-	0.973	
7	Unk	PCB-10	50.00	4.44e+07	1.59 y	18:17	-	1.52	
8	IS/RT	13C-PCB-4	100.00	4.72e+07	1.57 y	18:12	-	0.654	
9	Unk	PCB-9	50.00	4.12e+07	1.48 y	19:55	-	1.41	
10	Unk	PCB-7	50.00	4.17e+07	1.58 y	19:57	-	1.43	
11	Unk	PCB-6	50.00	3.85e+07	1.53 y	20:32	-	1.32	
12	Unk	PCB-8	50.00	4.01e+07	1.55 y	20:55	-	1.38	
13	Unk	PCB-5	50.00	3.91e+07	1.46 y	20:57	-	1.34	
14	Unk	PCB-14	50.00	4.04e+07	1.54 y	21:58	-	1.39	
15	Unk	PCB-11	50.00	3.61e+07	1.50 y	23:06	-	1.24	
16	Unk	PCB-13	50.00	3.77e+07	1.51 y	23:25	-	1.29	
17	Unk	PCB-12	50.00	3.84e+07	1.53 y	23:29	-	1.32	
18	Unk	PCB-15	50.00	4.10e+07	1.53 y	23:45	-	1.18	
19	IS/RT	13C-PCB-15	100.00	6.93e+07	1.60 y	23:44	-	0.960	
20	Unk	PCB-19	50.00	2.18e+07	1.10 y	22:08	-	1.35	
21	Unk	PCB-30	50.00	3.24e+07	1.09 y	22:59	-	2.01	
22	Unk	PCB-18	50.00	2.17e+07	1.08 y	23:40	-	1.34	
23	Unk	PCB-17	50.00	2.38e+07	1.08 y	23:50	-	1.48	
24	Unk	PCB-27	50.00	3.12e+07	1.06 y	24:22	-	1.94	
25	Unk	PCB-24	50.00	3.11e+07	1.08 y	24:23	-	1.93	
26	Unk	PCB-16	50.00	2.64e+07	1.02 y	24:52	-	1.64	
27	Unk	PCB-32	50.00	2.73e+07	1.09 y	24:53	-	1.69	
28	IS/RT	13C-PCB-19	100.00	3.22e+07	1.08 y	22:06	-	0.446	
29	RS	13C-PCB-9	100.00	7.22e+07	1.56 y	19:53	7.22e+05	-	
30	Unk	PCB-34	50.00	3.45e+07	1.02 y	25:38	-	1.27	
31	Unk	PCB-23	50.00	3.57e+07	1.07 y	25:43	-	1.31	
32	Unk	PCB-29	50.00	3.55e+07	1.06 y	25:57	-	1.30	
33	Unk	PCB-26	50.00	3.32e+07	1.07 y	26:09	-	1.22	
34	Unk	PCB-25	50.00	3.28e+07	1.06 y	26:18	-	1.21	
35	Unk	PCB-31	50.00	3.22e+07	1.07 y	26:38	-	1.18	
36	Unk	PCB-28	50.00	4.10e+07	1.05 y	26:45	-	1.51	
37	Unk	PCB-20	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 21/33
38	Unk	PCB-21	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/33
39	Unk	PCB-33	150.00	9.91e+07	1.06 y	27:19	-	1.21	Co-elute PCB 20/21
40	Unk	PCB-22	50.00	3.80e+07	1.07 y	27:44	-	1.40	
41	Unk	PCB-36	50.00	3.35e+07	1.06 y	28:20	-	1.23	
42	Unk	PCB-39	50.00	3.28e+07	1.08 y	28:46	-	1.21	
43	Unk	PCB-38	50.00	3.18e+07	1.06 y	29:30	-	1.17	
44	Unk	PCB-35	50.00	3.09e+07	1.06 y	29:59	-	1.14	
45	Unk	PCB-37	50.00	3.26e+07	1.06 y	30:25	-	1.20	
46	IS	13C-PCB-37	100.00	5.44e+07	1.09 y	30:23	-	1.40	

47	Unk	PCB-54	100.00	6.00e+07	0.78 y	25:40	-	1.24	
48	Unk	PCB-50	100.00	4.43e+07	0.78 y	26:47	-	0.916	
49	Unk	PCB-53	100.00	4.42e+07	0.78 y	27:23	-	0.914	
50	Unk	PCB-51	100.00	4.75e+07	0.78 y	27:43	-	0.982	
51	Unk	PCB-45	100.00	3.83e+07	0.78 y	28:07	-	0.792	
52	Unk	PCB-46	100.00	3.76e+07	0.79 y	28:35	-	0.777	
53	Unk	PCB-52	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 69
54	Unk	PCB-69	200.00	8.82e+07	0.77 y	29:03	-	0.912	Co-elute PCB 52
55	Unk	PCB-73	100.00	5.93e+07	0.78 y	29:08	-	1.23	
56	Unk	PCB-43	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 49
57	Unk	PCB-49	200.00	7.96e+07	0.78 y	29:18	-	0.823	Co-elute PCB 43
58	Unk	PCB-47	100.00	4.36e+07	0.77 y	29:30	-	0.902	
59	Unk	PCB-48	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 75
60	Unk	PCB-75	200.00	1.02e+08	0.77 y	29:37	-	1.05	Co-elute PCB 48
61	Unk	PCB-65	100.00	5.26e+07	0.84 y	29:52	-	1.09	
62	Unk	PCB-62	100.00	5.42e+07	0.71 y	29:58	-	1.12	
63	Unk	PCB-44	100.00	3.55e+07	0.77 y	30:15	-	0.733	
64	Unk	PCB-42	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 59
65	Unk	PCB-59	200.00	9.29e+07	0.79 y	30:29	-	0.960	Co-elute PCB 42
66	Unk	PCB-72	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 41/71/64
67	Unk	PCB-41	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/71/64
68	Unk	PCB-71	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/64
69	Unk	PCB-64	400.00	2.03e+08	0.77 y	31:01	-	1.05	Co-elute PCB 72/41/71
70	Unk	PCB-68	100.00	6.20e+07	0.80 y	31:15	-	1.28	
71	Unk	PCB-40	100.00	3.33e+07	0.76 y	31:28	-	0.688	
72	Unk	PCB-57	100.00	5.47e+07	0.77 y	31:48	-	1.13	
73	Unk	PCB-67	100.00	5.65e+07	0.77 y	32:06	-	1.17	
74	Unk	PCB-58	100.00	5.46e+07	0.79 y	32:12	-	1.13	
75	Unk	PCB-63	100.00	5.48e+07	0.78 y	32:22	-	1.13	
76	Unk	PCB-74	100.00	5.59e+07	0.79 y	32:39	-	1.15	
77	Unk	PCB-61	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 70
78	Unk	PCB-70	200.00	1.03e+08	0.77 y	32:46	-	1.06	Co-elute PCB 61
79	Unk	PCB-76	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 66
80	Unk	PCB-66	200.00	1.17e+08	0.79 y	33:02	-	1.21	Co-elute PCB 76
81	Unk	PCB-80	100.00	6.62e+07	0.79 y	33:14	-	1.37	
82	Unk	PCB-55	100.00	5.76e+07	0.77 y	33:32	-	1.19	
83	IS/RT	13C-PCB-54	100.00	4.84e+07	0.82 y	25:39	-	1.24	
84	Unk	PCB-104	100.00	4.36e+07	1.57 y	30:07	-	1.14	
85	Unk	PCB-96	100.00	4.19e+07	1.57 y	31:19	-	1.10	
86	Unk	PCB-103	100.00	3.44e+07	1.55 y	31:49	-	0.902	
87	Unk	PCB-100	100.00	3.47e+07	1.57 y	32:10	-	0.909	
88	Unk	PCB-94	100.00	2.90e+07	1.55 y	32:36	-	0.761	
89	Unk	PCB-98	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 102
90	Unk	PCB-102	200.00	5.97e+07	1.51 y	33:03	-	0.783	Co-elute PCB 98
91	Unk	PCB-95	100.00	3.21e+07	1.64 y	33:07	-	0.843	
92	Unk	PCB-93	100.00	2.99e+07	1.62 y	33:12	-	0.784	
93	Unk	PCB-88	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 91
94	Unk	PCB-91	200.00	6.80e+07	1.58 y	33:29	-	0.892	Co-elute PCB 88
95	Unk	PCB-121	100.00	3.74e+07	1.60 y	33:34	-	0.982	
96	IS	13C-PCB-104	100.00	3.81e+07	1.60 y	30:06	-	0.980	
97	C/Up	13C-PCB-28	100.00	6.76e+07	1.06 y	26:44	-	1.74	
98	RS	13C-PCB-52	100.00	3.89e+07	0.79 y	29:00	3.89e+05	-	
99	Unk	PCB-56	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 60
100	Unk	PCB-60	200.00	1.18e+08	0.80 y	34:01	-	1.23	Co-elute PCB 56

101	Unk	PCB-79	100.00	6.01e+07	0.80 y	35:01	-	1.25	
102	Unk	PCB-78	100.00	5.89e+07	0.80 y	35:41	-	1.23	
103	Unk	PCB-81	100.00	5.89e+07	0.80 y	36:11	-	1.25	
104	IS	13C-PCB-81	100.00	4.69e+07	0.79 y	36:10	-	1.33	
105	Unk	PCB-77	100.00	5.44e+07	0.80 y	36:45	-	1.11	
106	IS/RT	13C-PCB-77	100.00	4.90e+07	0.80 y	36:44	-	1.39	
107	Unk	PCB-155	100.00	4.58e+07	1.27 y	34:17	-	1.10	
108	Unk	PCB-150	100.00	4.32e+07	1.24 y	35:29	-	1.04	
109	Unk	PCB-152	100.00	4.19e+07	1.26 y	35:56	-	1.01	
110	Unk	PCB-145	100.00	4.26e+07	1.26 y	36:21	-	1.02	
111	Unk	PCB-136	100.00	4.14e+07	1.25 y	36:40	-	0.994	
112	Unk	PCB-148	100.00	3.24e+07	1.27 y	36:45	-	0.778	
113	Unk	PCB-154	100.00	3.67e+07	1.25 y	37:13	-	0.881	
114	IS	13C-PCB-155	100.00	4.17e+07	1.29 y	34:16	-	1.18	
115	C/Up	13C-PCB-111	100.00	4.44e+07	1.59 y	36:20	-	1.26	
116	RS	13C-PCB-101	100.00	3.52e+07	1.61 y	34:41	3.52e+05	-	
117	Unk	PCB-84	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 92
118	Unk	PCB-92	200.00	7.17e+07	1.56 y	34:21	-	0.781	Co-elute PCB 84
119	Unk	PCB-89	100.00	3.53e+07	1.54 y	34:32	-	0.769	
120	Unk	PCB-90	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 101
121	Unk	PCB-101	200.00	7.83e+07	1.56 y	34:42	-	0.853	Co-elute PCB 90
122	Unk	PCB-113	100.00	4.42e+07	1.54 y	34:56	-	0.962	
123	Unk	PCB-99	100.00	4.31e+07	1.56 y	35:01	-	0.939	
124	Unk	PCB-119	100.00	4.88e+07	1.57 y	35:28	-	1.06	
125	Unk	PCB-83	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 112
126	Unk	PCB-112	200.00	8.06e+07	1.58 y	35:37	-	0.877	Co-elute PCB 83
127	Unk	PCB-109	100.00	4.77e+07	1.55 y	35:47	-	1.04	
128	Unk	PCB-97	100.00	3.37e+07	1.58 y	35:57	-	0.733	
129	Unk	PCB-86	100.00	3.50e+07	1.52 y	36:06	-	0.761	
130	Unk	PCB-125	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 87/117
131	Unk	PCB-87	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/117
132	Unk	PCB-117	300.00	1.30e+08	1.56 y	36:13	-	0.944	Co-elute PCB 125/87
133	Unk	PCB-111	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 115
134	Unk	PCB-115	200.00	9.78e+07	1.55 y	36:22	-	1.06	Co-elute PCB 111
135	Unk	PCB-85	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 116
136	Unk	PCB-116	200.00	8.82e+07	1.56 y	36:30	-	0.960	Co-elute PCB 85
137	Unk	PCB-120	100.00	5.23e+07	1.57 y	36:43	-	1.14	
138	Unk	PCB-110	100.00	4.99e+07	1.56 y	36:50	-	1.09	
139	Unk	PCB-82	100.00	3.01e+07	1.54 y	37:27	-	0.656	
140	Unk	PCB-124	100.00	5.46e+07	1.54 y	38:06	-	1.19	
141	Unk	PCB-108	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 107
142	Unk	PCB-107	200.00	1.05e+08	1.56 y	38:13	-	1.14	Co-elute PCB 108
143	Unk	PCB-123	100.00	4.79e+07	1.55 y	38:24	-	1.09	
144	IS	13C-PCB-123	100.00	4.41e+07	1.59 y	38:23	-	1.22	
145	Unk	PCB-118	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 106
146	Unk	PCB-106	200.00	1.07e+08	1.54 y	38:36	-	1.13	Co-elute PCB 118
147	IS	13C-PCB-118	100.00	4.71e+07	1.61 y	38:33	-	1.30	
148	Unk	PCB-114	100.00	5.64e+07	1.54 y	39:10	-	1.21	
149	IS	13C-PCB-114	100.00	4.65e+07	1.60 y	39:10	-	1.29	
150	Unk	PCB-122	100.00	5.20e+07	1.58 y	39:19	-	1.13	
151	Unk	PCB-105	100.00	5.43e+07	1.55 y	40:00	-	1.18	
152	IS	13C-PCB-105	100.00	4.60e+07	1.60 y	39:58	-	1.27	
153	Unk	PCB-127	100.00	5.03e+07	1.56 y	40:18	-	1.10	
154	Unk	PCB-126	100.00	4.81e+07	1.57 y	42:07	-	1.15	
155	IS	13C-PCB-126	100.00	4.19e+07	1.59 y	42:05	-	1.16	

156	Unk	PCB-151	100.00	3.67e+07	1.29 y	37:50	-	0.932	
157	Unk	PCB-135	100.00	3.75e+07	1.26 y	38:03	-	0.954	
158	Unk	PCB-144	100.00	3.77e+07	1.29 y	38:10	-	0.959	
159	Unk	PCB-147	100.00	3.95e+07	1.28 y	38:16	-	1.01	
160	Unk	PCB-139	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 149
161	Unk	PCB-149	200.00	7.96e+07	1.26 y	38:31	-	1.01	Co-elute PCB 139
162	Unk	PCB-140	100.00	4.09e+07	1.27 y	38:42	-	1.04	
163	Unk	PCB-143	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 134
164	Unk	PCB-134	200.00	6.82e+07	1.28 y	39:07	-	0.867	Co-elute PCB 143
165	Unk	PCB-131	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 133
166	Unk	PCB-133	200.00	6.91e+07	1.25 y	39:24	-	0.878	Co-elute PCB 131
167	Unk	PCB-142	100.00	3.50e+07	1.25 y	39:33	-	0.889	
168	Unk	PCB-165	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 146
169	Unk	PCB-146	200.00	8.99e+07	1.26 y	39:45	-	1.14	Co-elute PCB 165
170	Unk	PCB-161	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 132
171	Unk	PCB-132	200.00	8.71e+07	1.26 y	39:58	-	1.11	Co-elute PCB 161
172	Unk	PCB-153	100.00	4.41e+07	1.27 y	40:08	-	1.12	
173	Unk	PCB-168	100.00	4.92e+07	1.27 y	40:20	-	1.25	
174	Unk	PCB-141	100.00	3.82e+07	1.25 y	40:51	-	0.971	
175	Unk	PCB-137	100.00	4.00e+07	1.24 y	41:12	-	1.02	
176	Unk	PCB-130	100.00	3.21e+07	1.27 y	41:17	-	0.815	
177	Unk	PCB-138	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 163/164
178	Unk	PCB-163	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/164
179	Unk	PCB-164	300.00	1.35e+08	1.25 y	41:39	-	1.14	Co-elute PCB 138/163
180	Unk	PCB-158	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 160
181	Unk	PCB-160	200.00	9.92e+07	1.28 y	41:52	-	1.26	Co-elute PCB 158
182	Unk	PCB-129	100.00	3.27e+07	1.26 y	42:07	-	0.832	
183	Unk	PCB-166	100.00	4.80e+07	1.26 y	42:33	-	1.22	
184	Unk	PCB-159	100.00	5.03e+07	1.25 y	42:51	-	1.28	
185	Unk	PCB-128	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 162
186	Unk	PCB-162	200.00	8.46e+07	1.27 y	43:07	-	1.08	Co-elute PCB 128
187	Unk	PCB-167	100.00	4.84e+07	1.26 y	43:29	-	1.19	
188	IS	13C-PCB-167	100.00	4.08e+07	1.29 y	43:29	-	1.13	
189	Unk	PCB-156	100.00	4.78e+07	1.26 y	44:43	-	1.21	
190	IS	13C-PCB-156	100.00	3.94e+07	1.27 y	44:41	-	1.09	
191	Unk	PCB-157	100.00	4.71e+07	1.27 y	44:58	-	1.19	
192	IS	13C-PCB-157	100.00	3.95e+07	1.27 y	44:58	-	1.09	
193	Unk	PCB-169	100.00	4.21e+07	1.26 y	46:48	-	1.12	
194	IS	13C-PCB-169	100.00	3.77e+07	1.28 y	46:48	-	1.04	
195	Unk	PCB-188	100.00	4.20e+07	1.05 y	39:47	-	1.09	
196	IS	13C-PCB-188	100.00	3.84e+07	1.08 y	39:47	-	1.06	

197	Unk	PCB-184	100.00	4.50e+07	1.06 y	40:13	-	1.27	
198	Unk	PCB-179	100.00	4.22e+07	1.05 y	40:57	-	1.20	
199	Unk	PCB-176	100.00	4.07e+07	1.04 y	41:24	-	1.15	
200	Unk	PCB-186	100.00	4.16e+07	1.04 y	41:58	-	1.18	
201	Unk	PCB-178	100.00	2.98e+07	1.05 y	42:25	-	0.843	
202	Unk	PCB-175	100.00	3.12e+07	1.05 y	42:44	-	0.885	
203	Unk	PCB-187	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 182
204	Unk	PCB-182	200.00	6.58e+07	1.05 y	42:54	-	0.931	Co-elute PCB 187
205	Unk	PCB-183	100.00	3.32e+07	1.05 y	43:12	-	0.941	
206	Unk	PCB-185	100.00	3.06e+07	1.06 y	43:50	-	0.867	
207	Unk	PCB-174	100.00	2.80e+07	1.03 y	44:12	-	0.794	
208	Unk	PCB-181	100.00	3.29e+07	1.07 y	44:17	-	0.932	
209	Unk	PCB-177	100.00	2.89e+07	1.06 y	44:26	-	0.817	
210	Unk	PCB-171	100.00	3.08e+07	1.05 y	44:43	-	0.873	
211	Unk	PCB-173	100.00	2.69e+07	1.04 y	45:08	-	0.763	
212	Unk	PCB-172	100.00	2.82e+07	1.05 y	45:31	-	0.798	
213	Unk	PCB-192	100.00	3.75e+07	1.05 y	45:41	-	1.06	
214	Unk	PCB-180	100.00	2.90e+07	1.04 y	45:52	-	0.821	
215	Unk	PCB-193	100.00	4.00e+07	1.08 y	46:02	-	1.13	
216	Unk	PCB-191	100.00	4.01e+07	1.07 y	46:13	-	1.14	
217	Unk	PCB-170	100.00	2.76e+07	1.07 y	47:08	-	0.783	
218	Unk	PCB-190	100.00	3.72e+07	1.07 y	47:18	-	1.05	
219	Unk	PCB-189	100.00	3.50e+07	1.04 y	48:28	-	1.09	
220	IS	13C-PCB-189	100.00	3.22e+07	1.09 y	48:28	-	0.890	
221	Unk	PCB-202	150.00	4.54e+07	0.93 y	44:54	-	1.11	
222	Unk	PCB-201	150.00	4.90e+07	0.96 y	45:21	-	1.20	
223	Unk	PCB-204	150.00	4.89e+07	0.91 y	45:29	-	1.20	
224	Unk	PCB-197	150.00	5.19e+07	0.93 y	45:45	-	1.27	
225	Unk	PCB-200	150.00	5.06e+07	0.94 y	46:30	-	1.24	
226	Unk	PCB-198	150.00	3.70e+07	0.94 y	47:39	-	0.904	
227	Unk	PCB-199	150.00	3.43e+07	0.96 y	47:44	-	0.838	
228	Unk	PCB-203	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 196
229	Unk	PCB-196	300.00	7.85e+07	0.93 y	47:59	-	0.961	Co-elute PCB 203
230	IS	13C-PCB-202	100.00	2.72e+07	0.93 y	44:53	-	0.753	
231	C/Up	13C-PCB-178	100.00	2.91e+07	1.06 y	42:25	-	0.804	
232	RS	13C-PCB-138	100.00	3.62e+07	1.30 y	41:37	3.62e+05	-	
233	Unk	PCB-195	150.00	4.83e+07	0.89 y	49:04	-	0.885	
234	Unk	PCB-194	150.00	4.73e+07	0.90 y	49:52	-	0.866	
235	Unk	PCB-205	150.00	5.92e+07	0.90 y	50:07	-	1.08	
236	IS	13C-PCB-205	100.00	3.64e+07	0.88 y	50:06	-	1.26	
237	Unk	PCB-208	150.00	5.99e+07	1.35 y	49:12	-	1.08	
238	IS	13C-PCB-208	100.00	3.69e+07	0.81 y	49:11	-	1.27	
239	Unk	PCB-207	150.00	5.82e+07	1.36 y	49:30	-	1.25	
240	Unk	PCB-206	150.00	4.18e+07	1.34 y	51:19	-	1.11	
241	IS	13C-PCB-206	100.00	2.51e+07	0.79 y	51:18	-	0.866	
242	Unk	PCB-209	150.00	5.23e+07	1.19 y	52:30	-	1.19	
243	IS	13C-PCB-209	100.00	2.92e+07	1.21 y	52:28	-	1.01	
244	RS	13C-PCB-194	100.00	2.90e+07	0.90 y	49:52	2.90e+05	-	

Analyst: _____ Date: 11/10/20

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: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.20	2.66-3.60	y	50.9	37.5 - 62.5
PCB-3	M/M+2	3.17	2.66-3.60	y	49.3	37.5 - 62.5
PCB-4	M/M+2	1.47	1.33-1.79	y	42.7	37.5 - 62.5
PCB-15	M/M+2	1.53	1.33-1.79	y	54.2	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	55.8	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	52.3	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	105	75.0 - 125
PCB-77	M/M+2	0.80	0.65-0.89	y	101	75.0 - 125
PCB-81	M/M+2	0.80	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.57	1.32-1.78	y	102	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	107	75.0 - 125
PCB-114	M+2/M+4	1.54	1.32-1.78	y	107	75.0 - 125
PCB-118	M+2/M+4	1.54	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.55	1.32-1.78	y	97.9	75.0 - 125
PCB-126	M+2/M+4	1.57	1.32-1.78	y	106	75.0 - 125
PCB-155	M+2/M+4	1.27	1.05-1.43	y	96.9	75.0 - 125
PCB-156	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-157	M+2/M+4	1.27	1.05-1.43	y	110	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	107	75.0 - 125
PCB-169	M+2/M+4	1.26	1.05-1.43	y	104	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	99.5	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.93	0.76-1.02	y	162	112.5 - 187.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	150	112.5 - 187.5
PCB-206	M+4/M+6	1.34	1.13-1.53	y	160	112.5 - 187.5
PCB-208	M+4/M+6	1.35	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.19	0.99-1.33	y	159	112.5 - 187.5

Analyst: Date: 11/10/20

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: 10NOV20Z Sam:1 Analysis Date: 10-NOV-20 07:28:49

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.20	2.66-3.60	y	98.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	93.4	50.0 - 145
13C-PCB-4	M/M+2	1.57	1.33-1.79	y	99.2	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	88.4	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	88.4	50.0 - 145
13C-PCB-37	M/M+2	1.09	0.88-1.20	y	85.3	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	86.4	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	85.0	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	96.0	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	99.2	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	99.4	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	96.2	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	95.0	50.0 - 145
13C-PCB-126	M+2/M+4	1.59	1.32-1.78	y	94.1	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	1.27	1.05-1.43	y	91.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	90.0	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	91.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.28	1.05-1.43	y	89.0	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	94.2	50.0 - 145
13C-PCB-189	M+2/M+4	1.09	0.89-1.21	y	92.2	50.0 - 145
13C-PCB-202	M+2/M+4	0.93	0.76-1.02	y	78.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	95.4	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	92.4	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	92.6	50.0 - 145
13C-PCB-209	M+4/M+6	1.21	0.99-1.33	y	91.4	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.06	0.88-1.20	y	100	65.0 - 135
13C-PCB-111	M+2/M+4	1.59	1.32-1.78	y	99.3	75.0 - 125
13C-PCB-178	M+2/M+4	1.06	0.89-1.21	y	104	75.0 - 125

Analyst: [signature] Date: 11/12/20

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.96e+07	3.20 y	14:32	1.21	50.9		2.50	-	-	*	-
13C-PCB-1	6.42e+07	3.20 y	14:31	0.90	98.9		2.50				98.9
PCB-3	3.80e+07	3.17 y	16:58	1.23	49.3		2.50	-	-	*	-
13C-PCB-3	6.27e+07	3.23 y	16:57	0.93	93.4		2.50				93.4
PCB-4	2.30e+07	1.47 y	18:14	1.14	42.7		2.50	-	-	*	-
13C-PCB-4	4.72e+07	1.57 y	18:12	0.66	99.2		2.50				99.2
PCB-15	4.10e+07	1.53 y	23:45	1.09	54.2		2.50	-	-	*	-
13C-PCB-15	6.93e+07	1.60 y	23:44	1.09	88.4		2.50				88.4
PCB-19	2.18e+07	1.10 y	22:08	1.21	55.8		2.50	-	-	*	-
13C-PCB-19	3.22e+07	1.08 y	22:06	0.50	88.4		2.50				88.4
13C-PCB-9	7.22e+07	1.56 y	19:53	-	70.8		2.50				
PCB-37	3.26e+07	1.06 y	30:25	1.14	52.3		2.50	-	-	*	-
13C-PCB-37	5.44e+07	1.09 y	30:23	1.64	85.3		2.50				85.3
PCB-54	6.00e+07	0.78 y	25:40	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.84e+07	0.82 y	25:39	1.26	98.5		2.50				98.5
PCB-104	4.36e+07	1.57 y	30:07	1.12	102		2.50	-	-	*	-
13C-PCB-104	3.81e+07	1.60 y	30:06	1.02	96.0		2.50				96.0
13C-PCB-28	6.76e+07	1.06 y	26:44	1.73	100		2.50				100
13C-PCB-52	3.89e+07	0.79 y	29:00	-	73.2		2.50				
PCB-81	5.89e+07	0.80 y	36:11	1.13	111		2.50	-	-	*	-
13C-PCB-81	4.69e+07	0.79 y	36:10	1.57	85.0		2.50				85.0
PCB-77	5.44e+07	0.80 y	36:45	1.10	101		2.50	-	-	*	-
13C-PCB-77	4.90e+07	0.80 y	36:44	1.61	86.4		2.50				86.4
PCB-155	4.58e+07	1.27 y	34:17	1.13	96.9		2.50	-	-	*	-
13C-PCB-155	4.17e+07	1.29 y	34:16	1.10	107		2.50				107
13C-PCB-111	4.44e+07	1.59 y	36:20	1.27	99.3		2.50				99.3
13C-PCB-101	3.52e+07	1.61 y	34:41	-	73.8		2.50				
PCB-123	4.79e+07	1.55 y	38:24	1.11	97.9		2.50	-	-	*	-
13C-PCB-123	4.41e+07	1.59 y	38:23	1.28	95.0		2.50				95.0
PCB-118	1.07e+08	1.54 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	4.71e+07	1.61 y	38:33	1.35	96.2		2.50				96.2
PCB-114	5.64e+07	1.54 y	39:10	1.13	107		2.50	-	-	*	-
13C-PCB-114	4.65e+07	1.60 y	39:10	1.29	99.4		2.50				99.4
PCB-105	5.43e+07	1.55 y	39:60	1.10	107		2.50	-	-	*	-
13C-PCB-105	4.60e+07	1.60 y	39:58	1.28	99.2		2.50				99.2
PCB-126	4.81e+07	1.57 y	42:07	1.08	106		2.50	-	-	*	-
13C-PCB-126	4.19e+07	1.59 y	42:05	1.23	94.1		2.50				94.1
PCB-167	4.84e+07	1.26 y	43:29	1.11	107		2.50	-	-	*	-
13C-PCB-167	4.08e+07	1.29 y	43:29	1.23	91.8		2.50				91.8
PCB-156	4.78e+07	1.26 y	44:43	1.13	108		2.50	-	-	*	-
13C-PCB-156	3.94e+07	1.27 y	44:41	1.19	91.6		2.50				91.6
PCB-157	4.71e+07	1.27 y	44:58	1.08	110		2.50	-	-	*	-
13C-PCB-157	3.95e+07	1.27 y	44:58	1.21	90.0		2.50				90.0
PCB-169	4.21e+07	1.26 y	46:48	1.08	104		2.50	-	-	*	-
13C-PCB-169	3.77e+07	1.28 y	46:48	1.17	89.0		2.50				89.0
PCB-188	4.20e+07	1.05 y	39:47	1.10	99.5		2.50	-	-	*	-
13C-PCB-188	3.84e+07	1.08 y	39:47	1.13	94.2		2.50				94.2
PCB-189	3.50e+07	1.04 y	48:28	1.07	102		2.50	-	-	*	-
13C-PCB-189	3.22e+07	1.09 y	48:28	0.97	92.2		2.50				92.2
PCB-202	4.54e+07	0.93 y	44:54	1.03	162		2.50	-	-	*	-
13C-PCB-202	2.72e+07	0.93 y	44:53	0.96	78.8		2.50				78.8
13C-PCB-178	2.91e+07	1.06 y	42:25	0.78	104		2.50				104
13C-PCB-138	3.62e+07	1.30 y	41:37	-	75.2		2.50				

FAL ID: ST111020Z1 Filename: 10NOV20Z Sam:1 Acquired: 10-NOV-20 07:28:49 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	5.92e+07	0.90	y	50:07	1.09	150	2.50	-	-	*	-
13C-PCB-205	3.64e+07	0.88	y	50:06	1.32	95.4	2.50				95.4
PCB-208	5.99e+07	1.35	y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	3.69e+07	0.81	y	49:11	1.38	92.6	2.50				92.6
PCB-206	4.18e+07	1.34	y	51:19	1.04	160	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79	y	51:18	0.94	92.4	2.50				92.4
PCB-209	5.23e+07	1.19	y	52:30	1.13	159	2.50	-	-	*	-
13C-PCB-209	2.92e+07	1.21	y	52:28	1.10	91.4	2.50				91.4
13C-PCB-194	2.90e+07	0.90	y	49:52	-	76.1	2.50				

Analyst: [illegible] Date: 11/10/20

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	53.8	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	53.7	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	53.9	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	52.7	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	53.6	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	51.6	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	101	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	105	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	105	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	1.55	1.32-1.78	y	103	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	104	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	201	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	99.3	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	103	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	105	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	99.6	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	101	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	107	75.0 - 125
PCB-188	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125
PCB-189	M+2/M+4	1.04	0.89-1.21	y	98.5	75.0 - 125
PCB-202	M+2/M+4	0.96	0.76-1.02	y	161	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	149	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	150	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	150	112.5 - 187.5

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory

LABELED STANDARDS
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 11/10/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
13C-PCB-1	M/M+2	3.27	2.66-3.60	y	83.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	86.9	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	1.61	1.33-1.79	y	105	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	84.6	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	94.8	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	97.5	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	114	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	95.9	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	105	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	104	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	1.33	1.05-1.43	y	88.0	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	102	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	106	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	100	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	107	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	84.5	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	105	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	73.4	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	107	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	118	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	115	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	108	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	90.0	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	102	75.0 - 125
13C-PCB-178	M+2/M+4	1.09	0.89-1.21	y	94.3	75.0 - 125

Analyst: [signature] Date: 11/11/20

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-20 1 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.23	53.8		2.50	-	-	*	
13C-PCB-1	4.90e+07	3.27 y	14:32	0.89	83.9		2.50				83.9
PCB-3	3.23e+07	3.23 y	16:60	1.21	53.7		2.50	-	-	*	
13C-PCB-3	4.96e+07	3.32 y	16:59	0.87	86.9		2.50				86.9
PCB-4	2.27e+07	1.45 y	18:15	0.97	53.9		2.50	-	-	*	
13C-PCB-4	4.33e+07	1.61 y	18:14	0.65	101		2.50				101
PCB-15	4.14e+07	1.55 y	23:46	1.18	52.7		2.50	-	-	*	
13C-PCB-15	6.64e+07	1.61 y	23:45	0.96	105		2.50				105
PCB-19	1.80e+07	1.10 y	22:09	1.35	53.6		2.50	-	-	*	
13C-PCB-19	2.48e+07	1.14 y	22:07	0.45	84.6		2.50				84.6
13C-PCB-9	6.58e+07	1.60 y	19:54	-	91.0		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.20	51.6		2.50	-	-	*	
13C-PCB-37	4.68e+07	1.06 y	30:23	1.40	94.8		2.50				94.8
PCB-54	5.37e+07	0.78 y	25:40	1.24	101		2.50	-	-	*	
13C-PCB-54	4.28e+07	0.80 y	25:39	1.24	97.5		2.50				97.5
PCB-104	3.89e+07	1.58 y	30:07	1.14	103		2.50	-	-	*	
13C-PCB-104	3.32e+07	1.56 y	30:06	0.98	95.9		2.50				95.9
13C-PCB-28	5.53e+07	1.04 y	26:43	1.74	90.0		2.50				90.0
13C-PCB-52	3.53e+07	0.78 y	28:60	-	90.8		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.25	105		2.50	-	-	*	
13C-PCB-81	4.88e+07	0.79 y	36:11	1.33	114		2.50				114
PCB-77	5.99e+07	0.82 y	36:45	1.11	105		2.50	-	-	*	
13C-PCB-77	5.14e+07	0.81 y	36:44	1.39	115		2.50				115
PCB-155	3.87e+07	1.28 y	34:17	1.10	105		2.50	-	-	*	
13C-PCB-155	3.35e+07	1.33 y	34:16	1.18	88.0		2.50				88.0
13C-PCB-111	4.14e+07	1.61 y	36:20	1.26	102		2.50				102
13C-PCB-101	3.21e+07	1.61 y	34:42	-	91.3		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.09	99.3		2.50	-	-	*	
13C-PCB-123	4.66e+07	1.58 y	38:22	1.22	104		2.50				104
PCB-118	1.13e+08	1.58 y	38:36	1.13	201		2.50	-	-	*	
13C-PCB-118	5.00e+07	1.60 y	38:32	1.30	104		2.50				104
PCB-114	6.11e+07	1.58 y	39:12	1.21	104		2.50	-	-	*	
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.18	103		2.50	-	-	*	
13C-PCB-105	4.89e+07	1.61 y	39:58	1.27	105		2.50				105
PCB-126	5.57e+07	1.59 y	42:06	1.15	103		2.50	-	-	*	
13C-PCB-126	4.69e+07	1.60 y	42:06	1.16	110		2.50				110
PCB-167	4.96e+07	1.26 y	43:29	1.19	101		2.50	-	-	*	
13C-PCB-167	4.15e+07	1.28 y	43:29	1.13	100		2.50				100
PCB-156	4.96e+07	1.25 y	44:43	1.21	99.6		2.50	-	-	*	
13C-PCB-156	4.10e+07	1.25 y	44:41	1.09	102		2.50				102
PCB-157	5.26e+07	1.24 y	44:58	1.19	103		2.50	-	-	*	
13C-PCB-157	4.28e+07	1.30 y	44:58	1.09	106		2.50				106
PCB-169	4.90e+07	1.28 y	46:49	1.12	107		2.50	-	-	*	
13C-PCB-169	4.11e+07	1.27 y	46:48	1.04	107		2.50				107
PCB-188	3.90e+07	1.07 y	39:46	1.09	108		2.50	-	-	*	
13C-PCB-188	3.30e+07	1.12 y	39:46	1.06	84.5		2.50				84.5
PCB-189	3.69e+07	1.04 y	48:28	1.09	98.5		2.50	-	-	*	
13C-PCB-189	3.45e+07	1.04 y	48:28	0.89	105		2.50				105
PCB-202	3.63e+07	0.96 y	44:54	1.11	161		2.50	-	-	*	
13C-PCB-202	2.03e+07	0.95 y	44:53	0.75	73.4		2.50				73.4
13C-PCB-178	2.79e+07	1.09 y	42:24	0.80	94.3		2.50				94.3
13C-PCB-138	3.68e+07	1.27 y	41:37	-	102		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: DAILY209FAL4-11-10-20 2 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 13416-12 GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92 y	50:07	1.08	159	2.50	-	-	*	
13C-PCB-205	3.72e+07	0.89 y	50:07	1.26	107	2.50				107
PCB-208	6.56e+07	1.36 y	49:12	1.08	150	2.50	-	-	*	
13C-PCB-208	4.05e+07	0.81 y	49:12	1.27	115	2.50				115
PCB-206	4.66e+07	1.33 y	51:19	1.11	149	2.50	-	-	*	
13C-PCB-206	2.81e+07	0.80 y	51:18	0.87	118	2.50				118
PCB-209	5.37e+07	1.18 y	52:29	1.19	150	2.50	-	-	*	
13C-PCB-209	3.00e+07	1.20 y	52:29	1.01	108	2.50				108
13C-PCB-194	2.76e+07	0.88 y	49:52	-	95.1	2.50				

Analyst: [illegible] Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

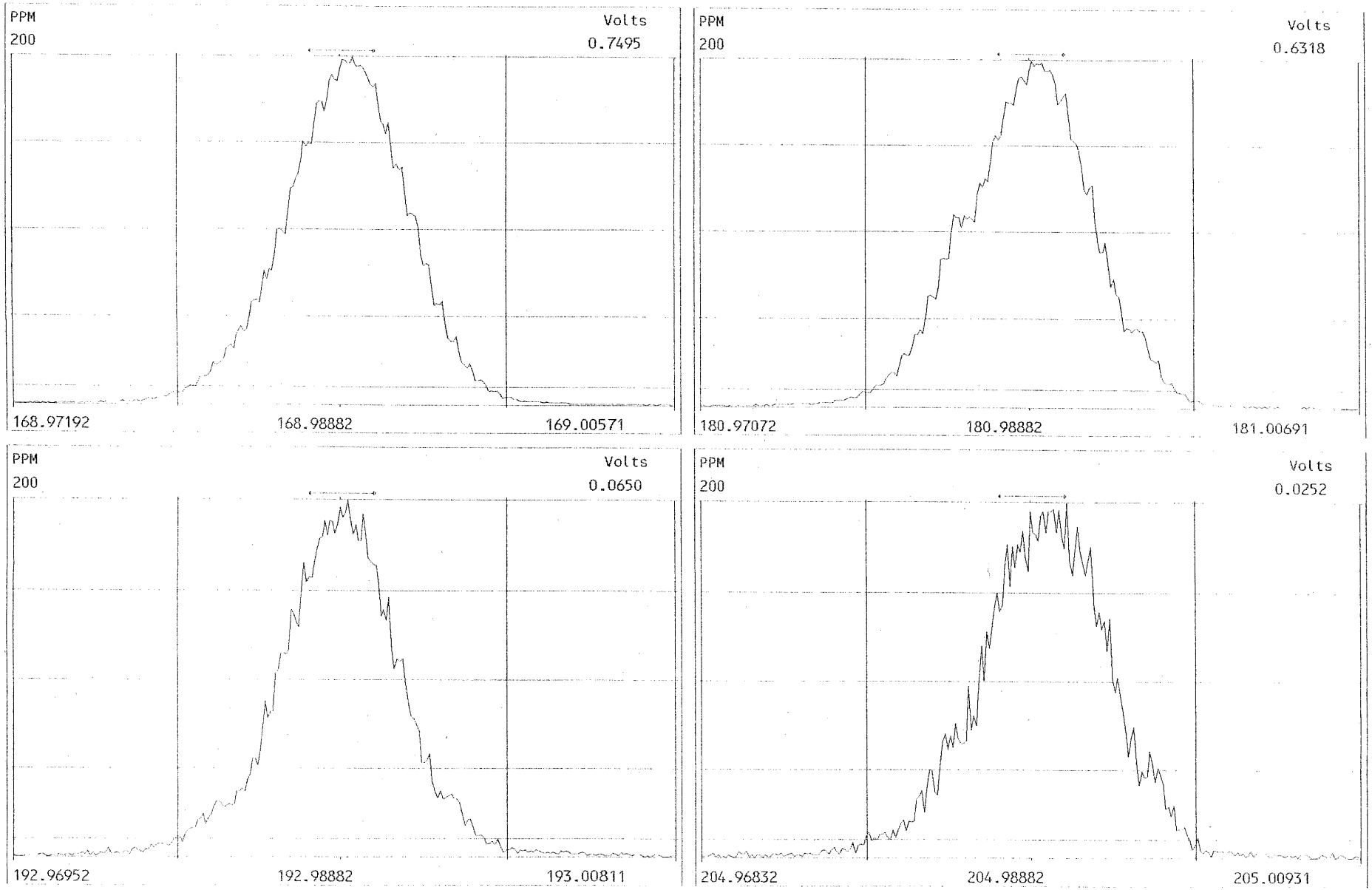
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

8/11/20

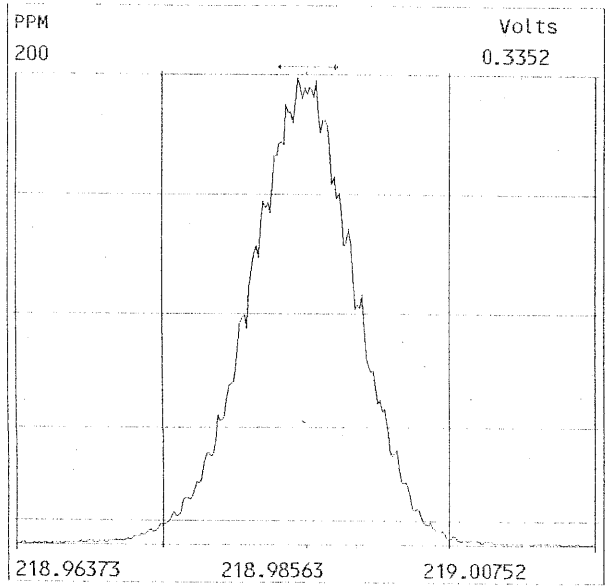
Data Backed Up:_____

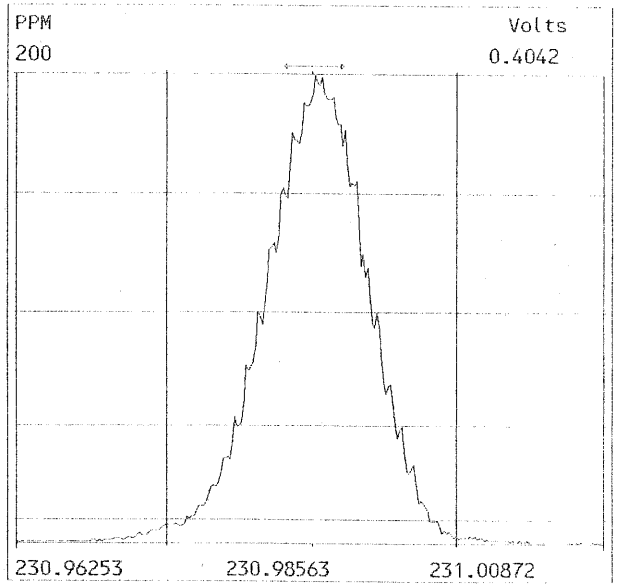
Date:_____

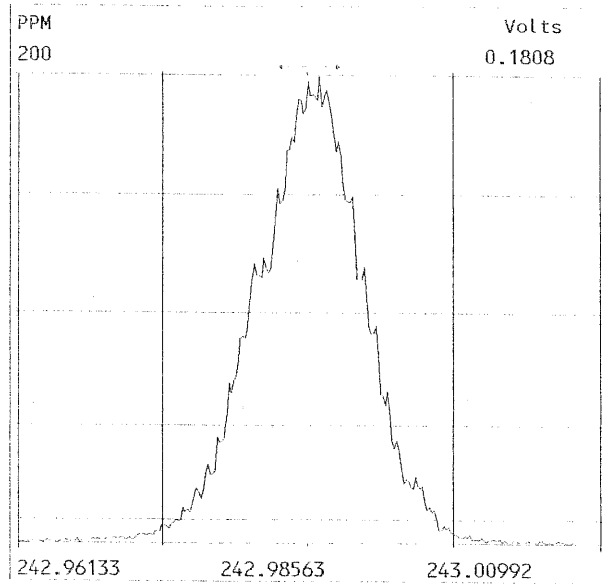
Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

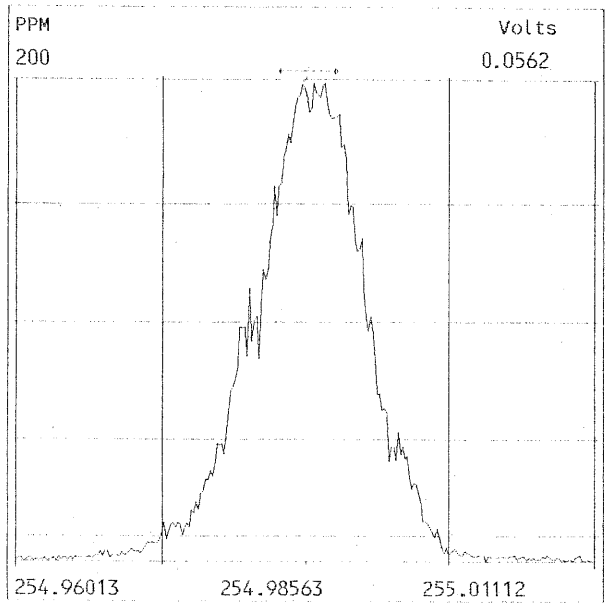


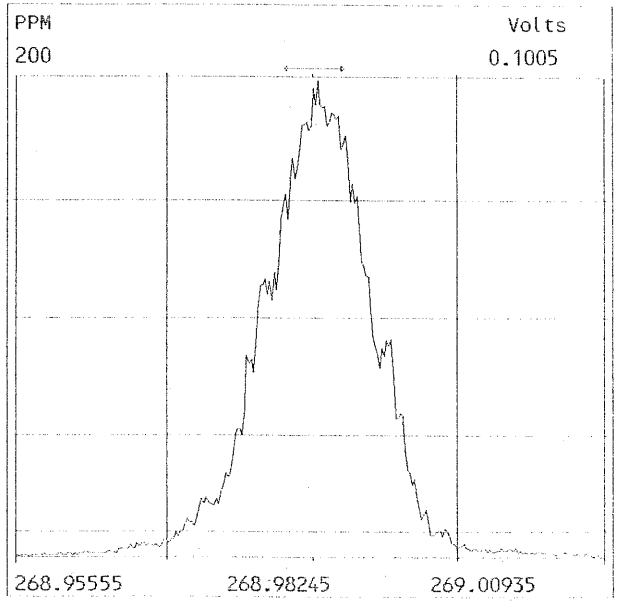
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

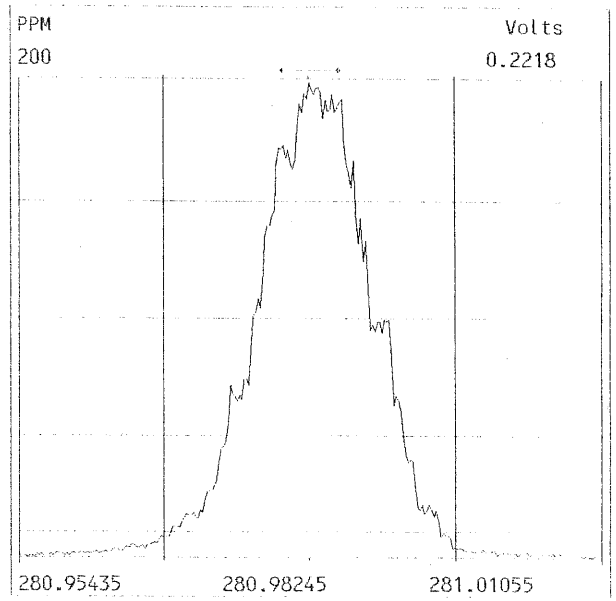




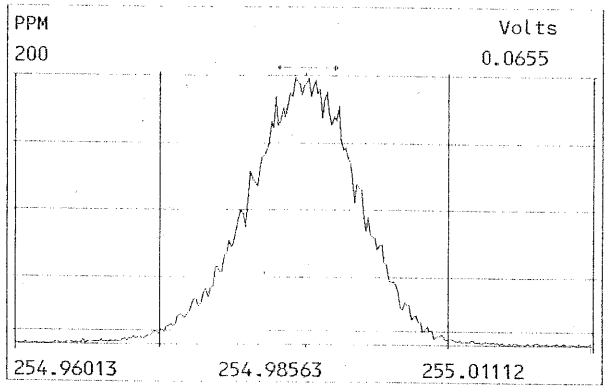


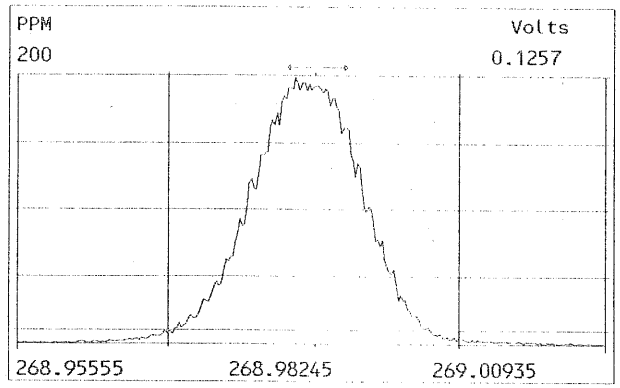


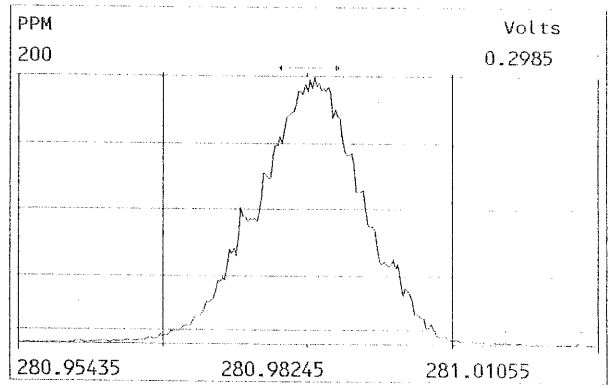


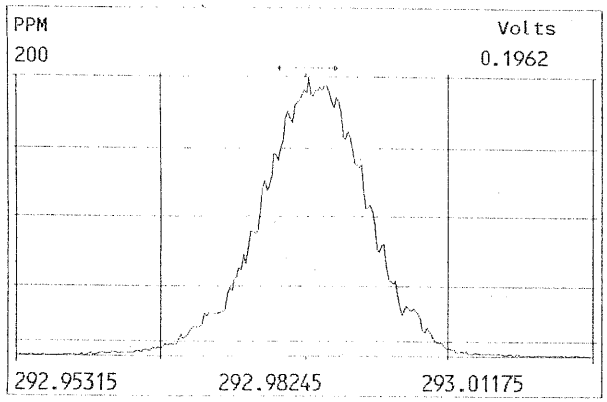


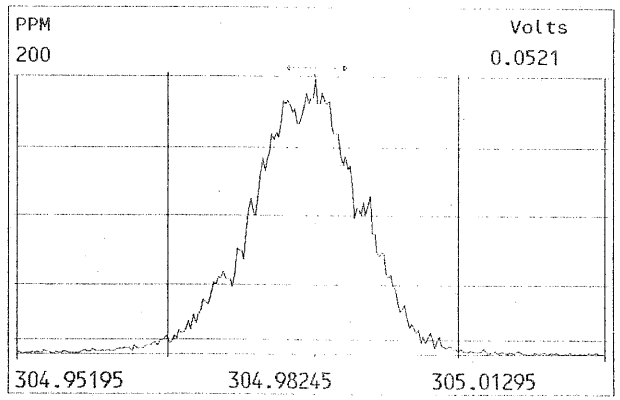
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

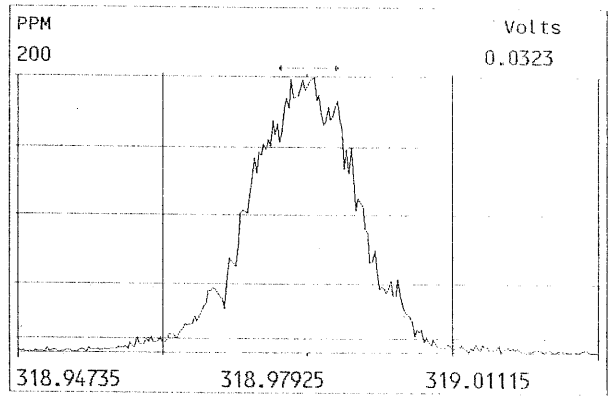


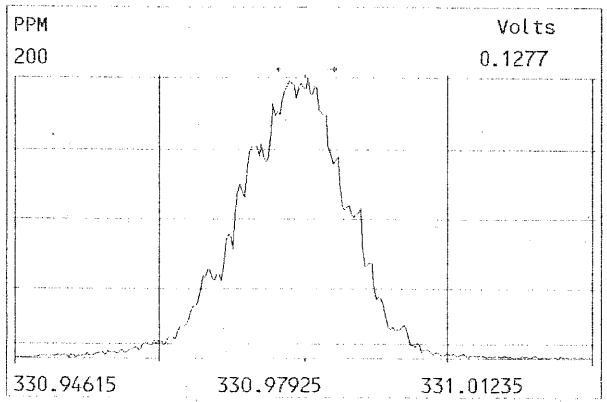


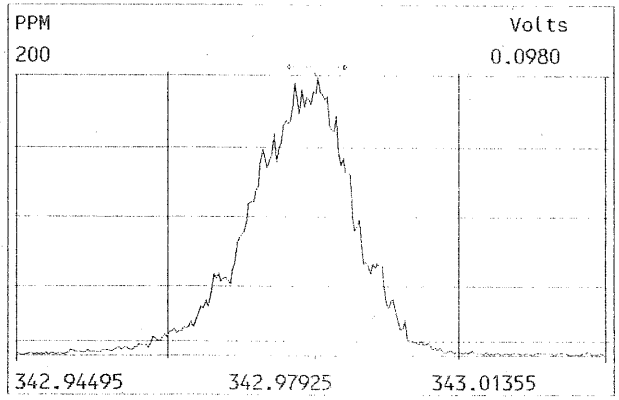




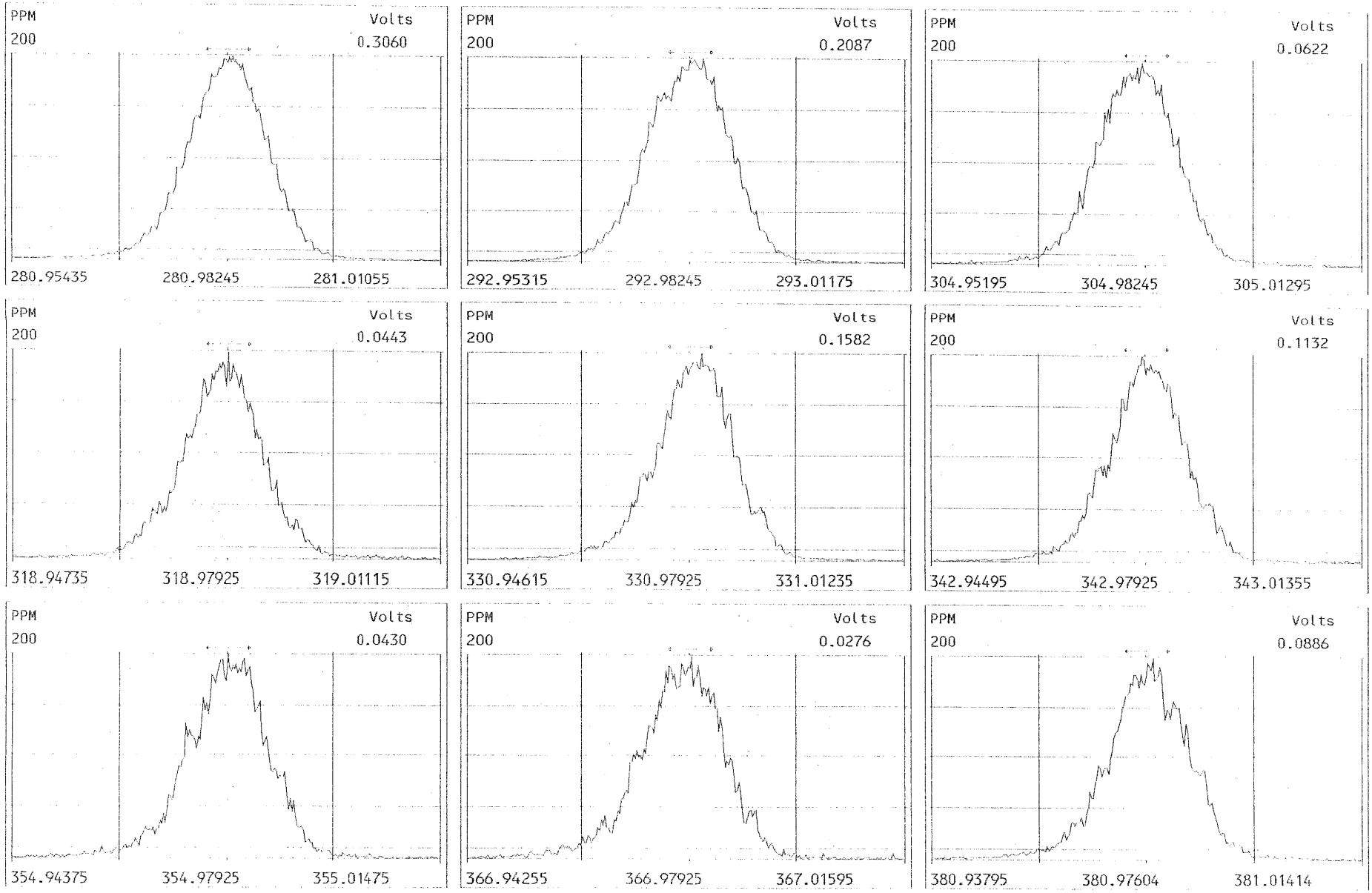






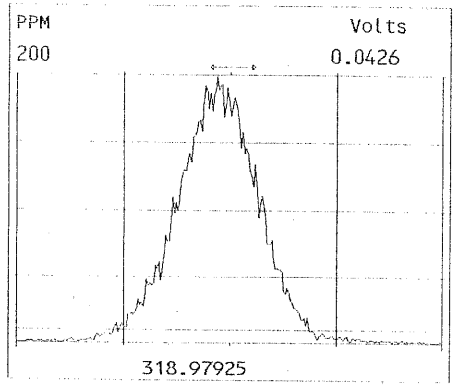


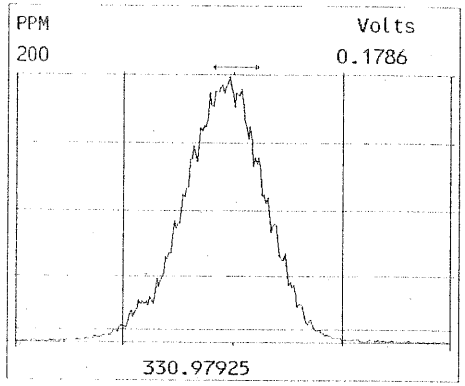
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

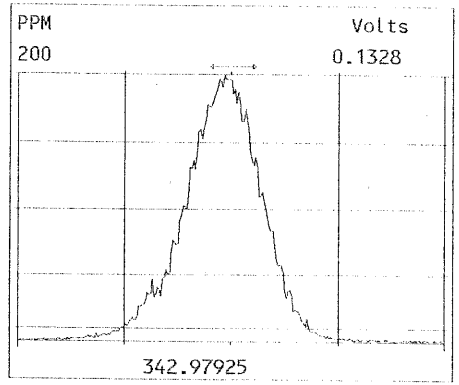


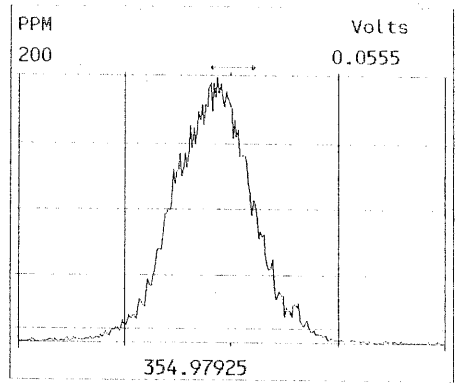
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

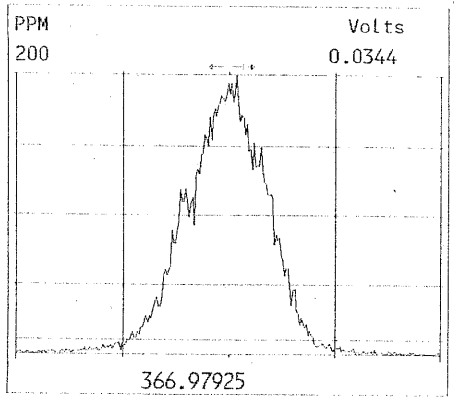
Experiment:1668PCB Function:5 Reference:PFK

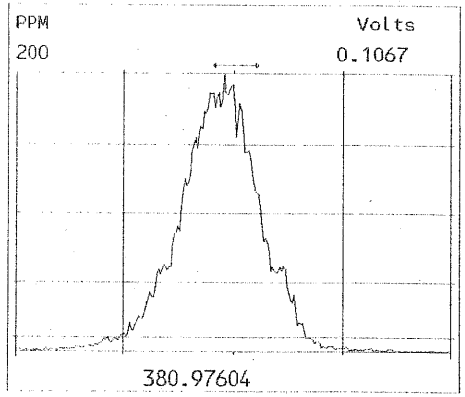


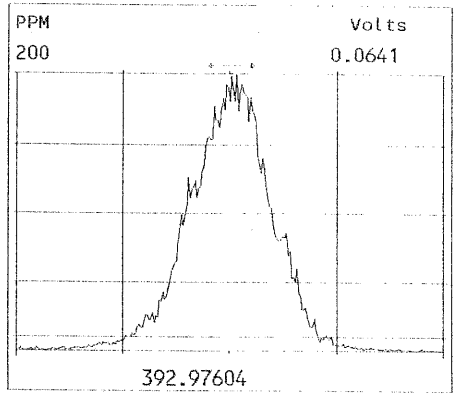


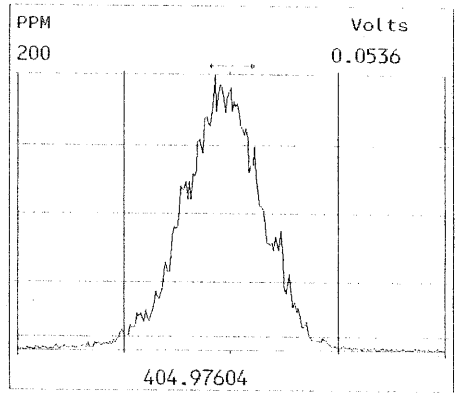


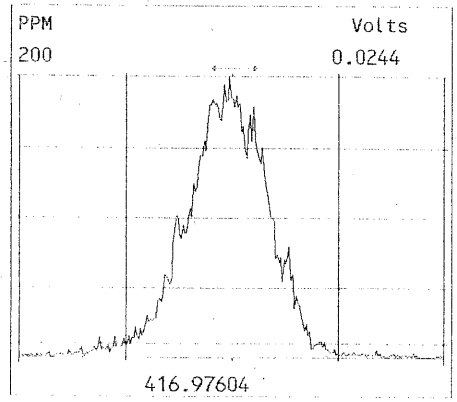


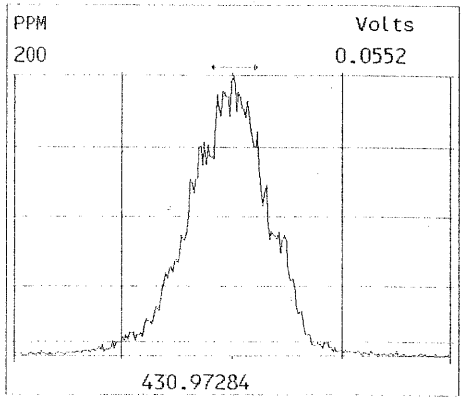


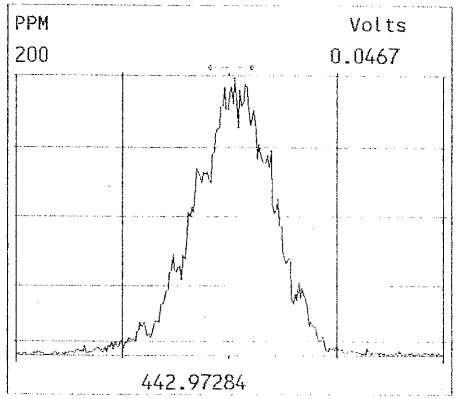




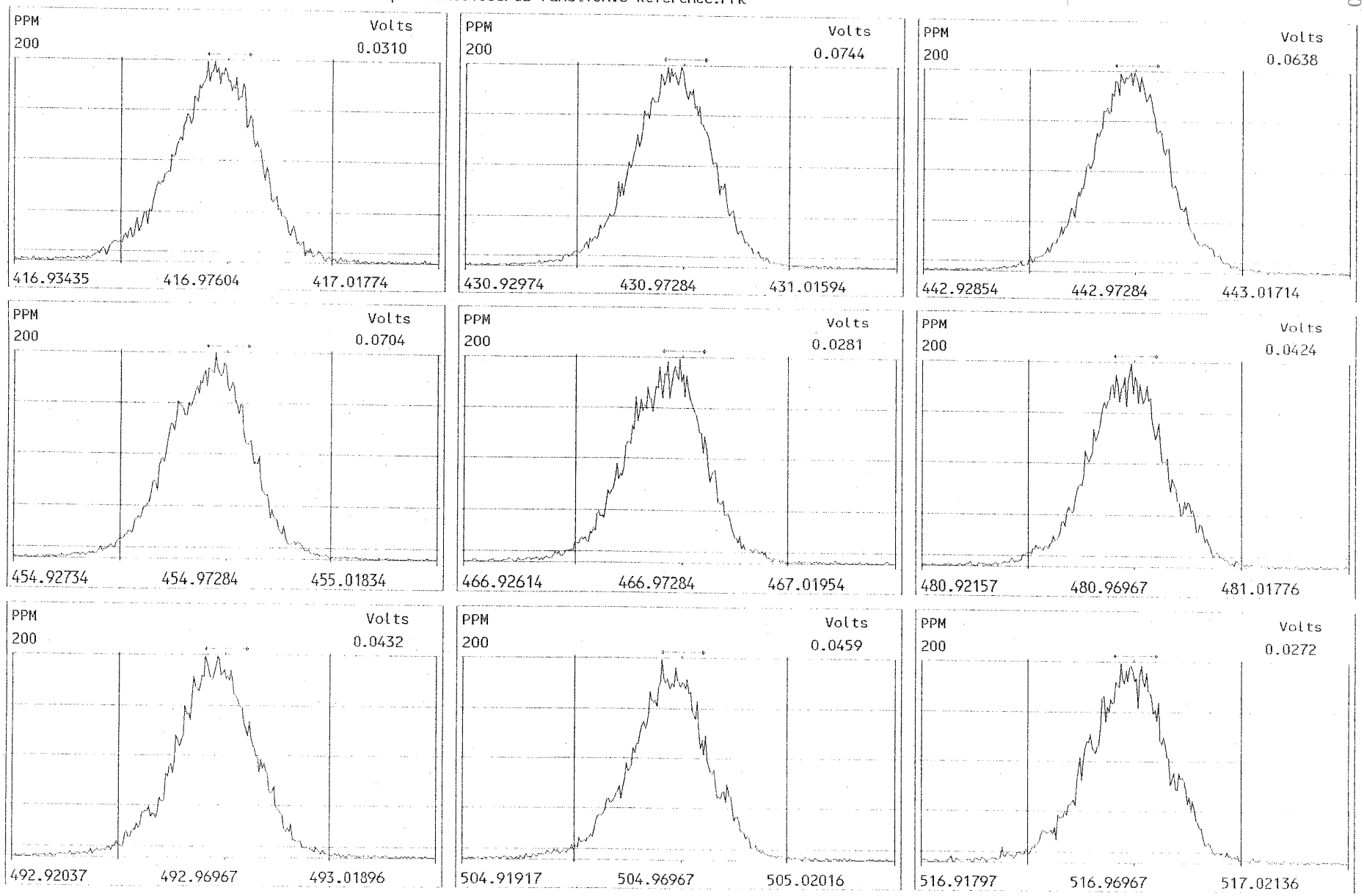




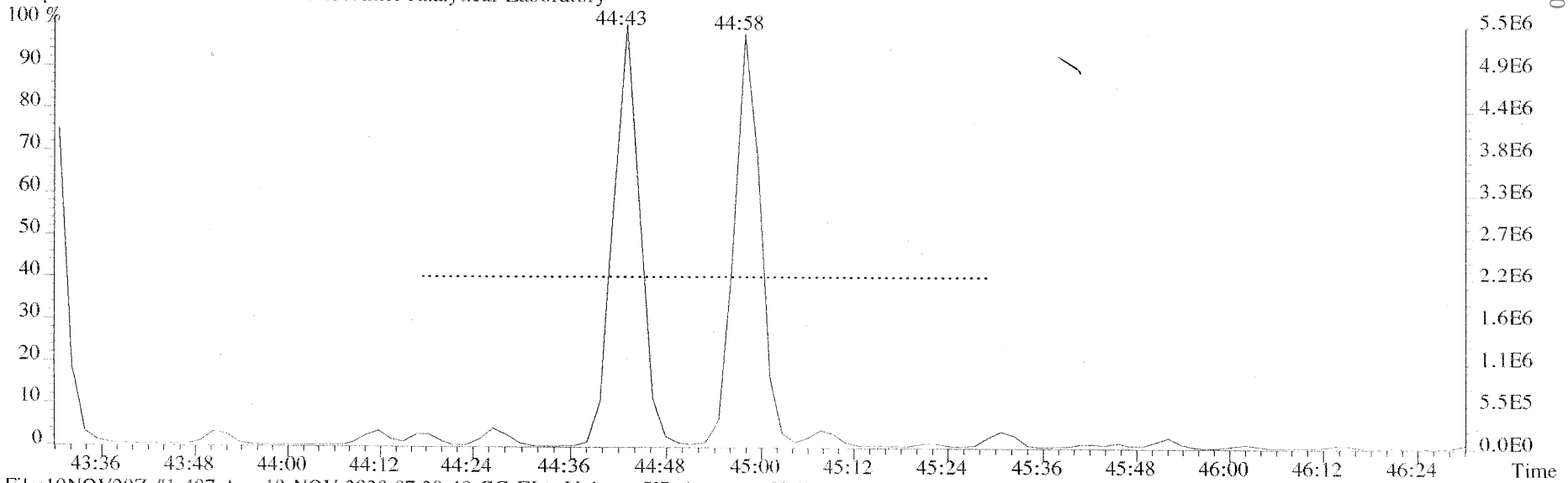




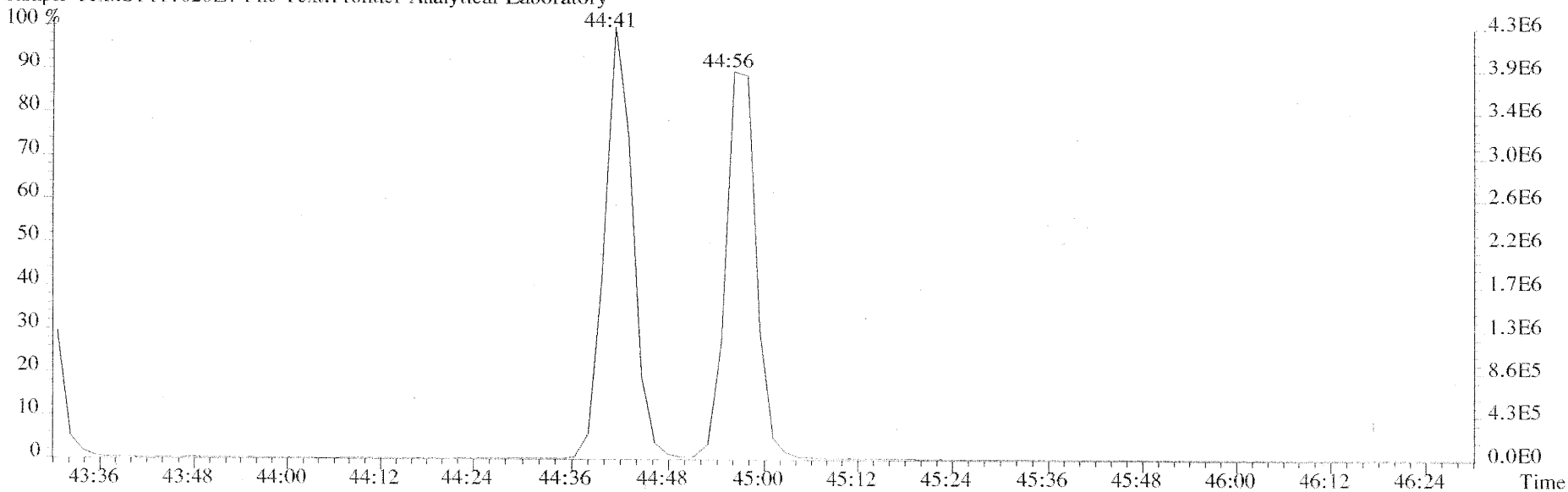
Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z
Experiment:1668PCB Function:6 Reference:PFK



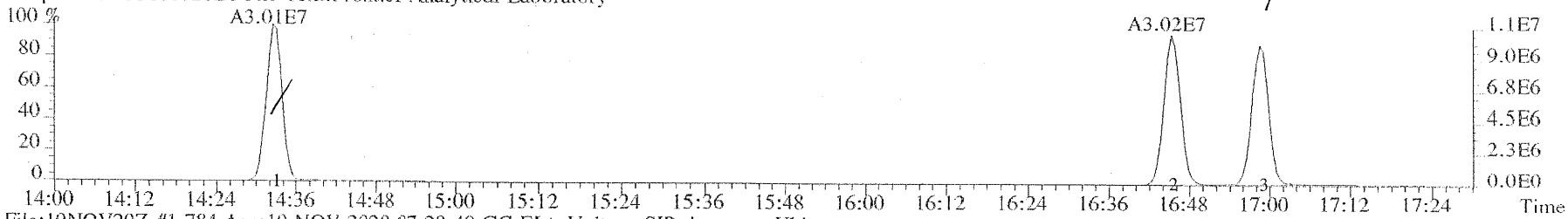
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



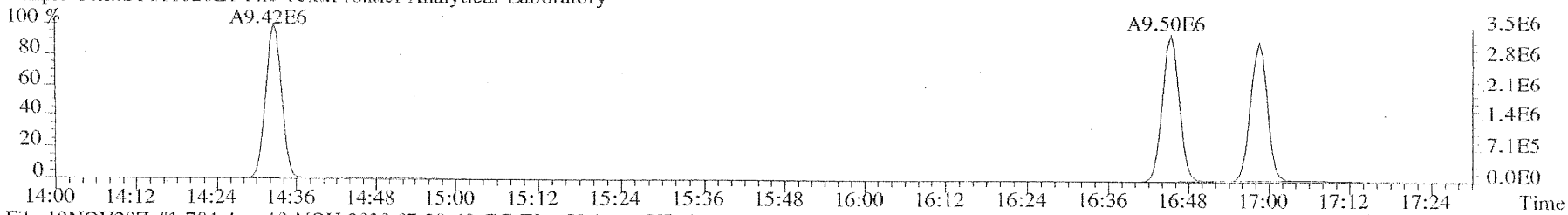
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



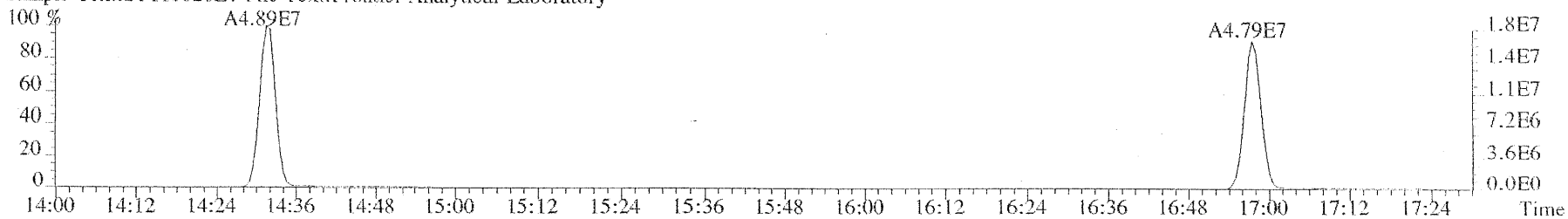
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



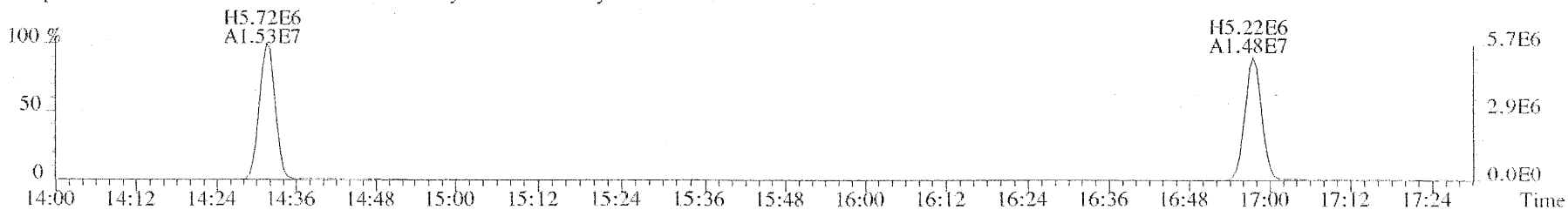
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



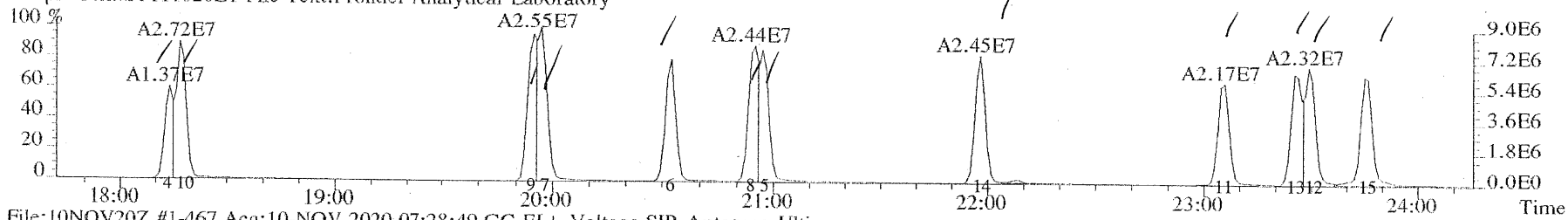
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



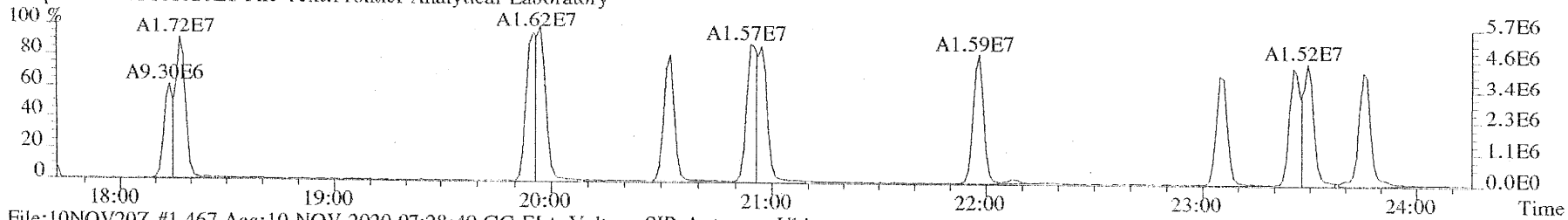
File:10NOV20Z #1-784 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



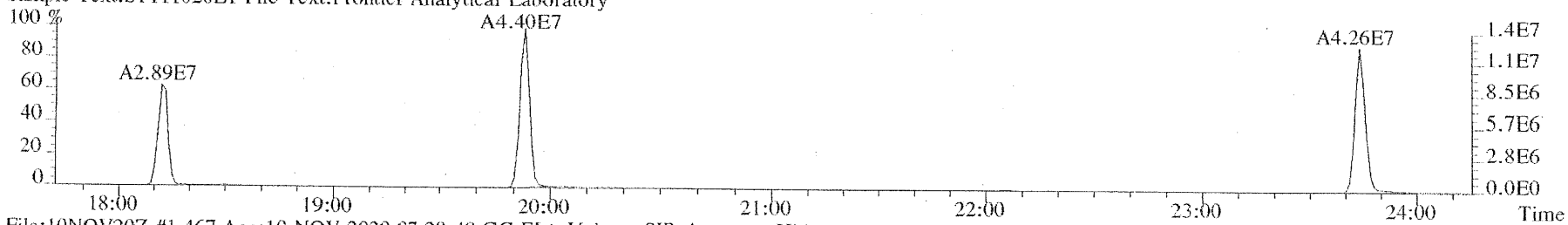
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



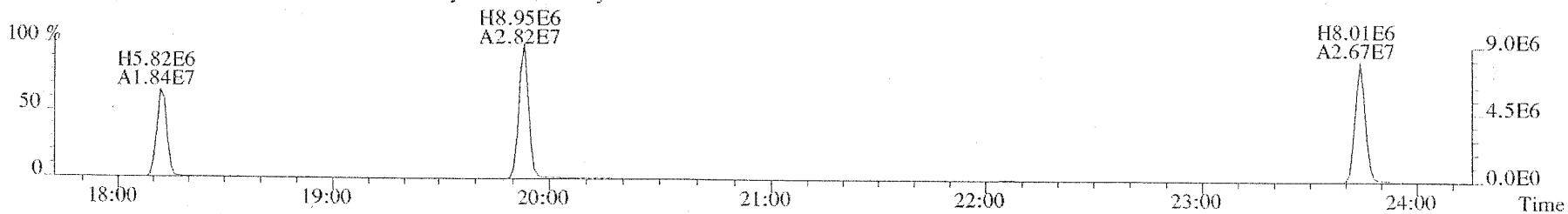
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



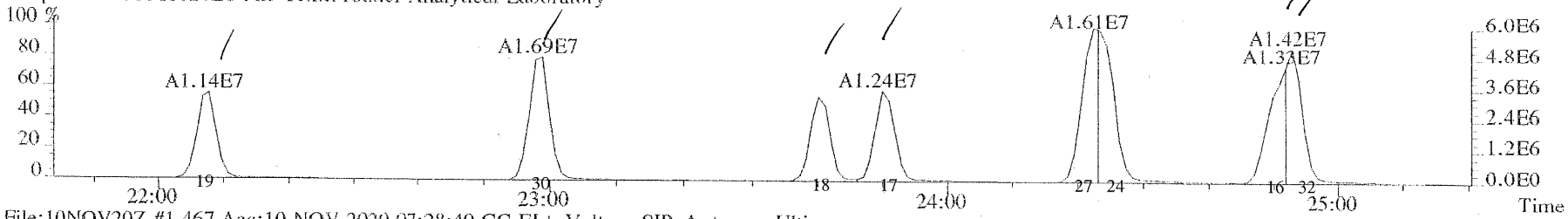
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



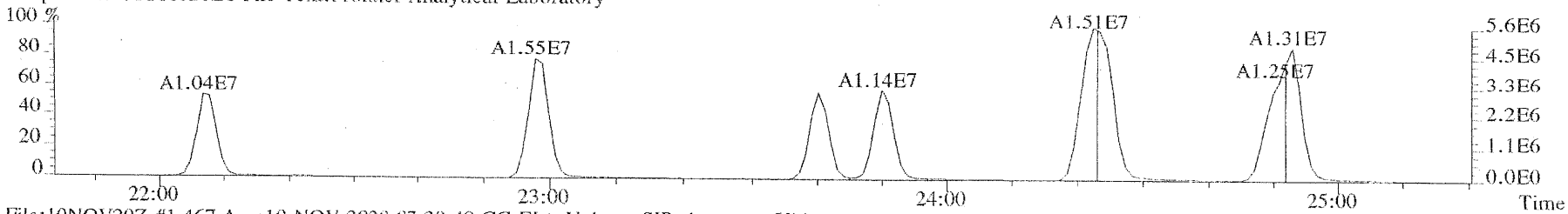
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



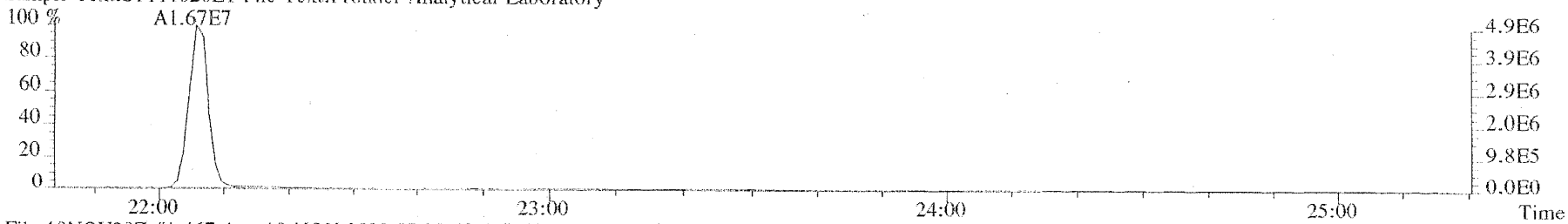
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



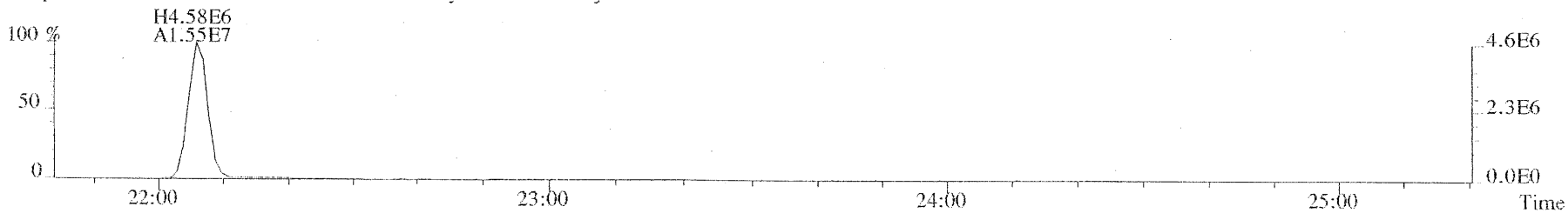
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



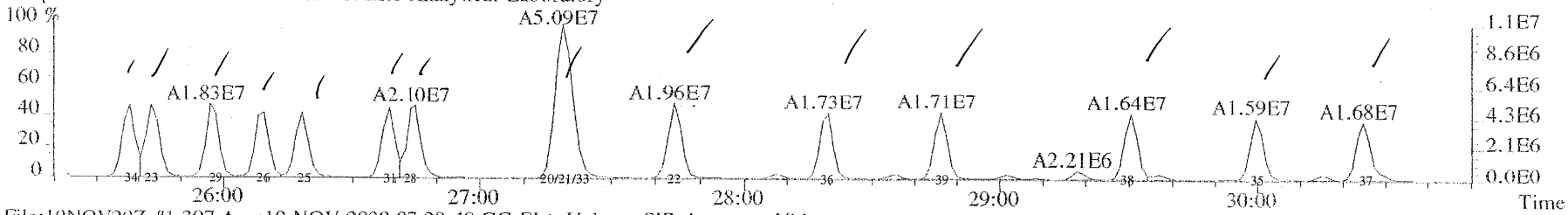
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



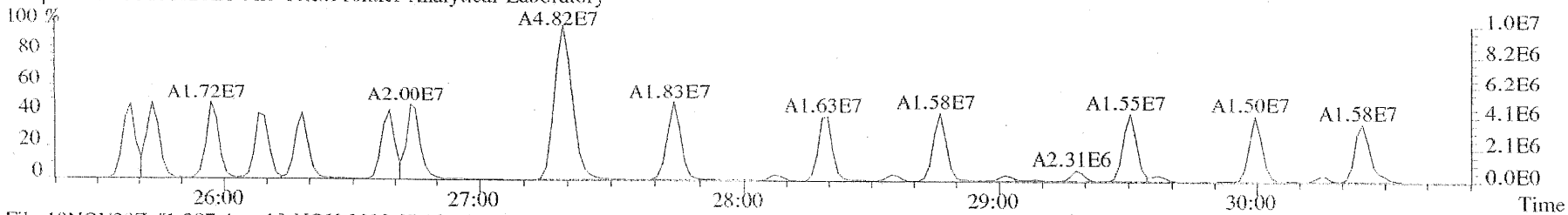
File:10NOV20Z #1-467 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



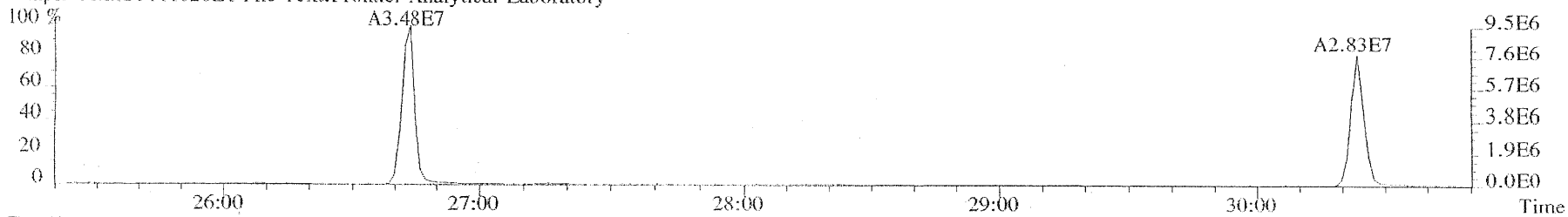
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



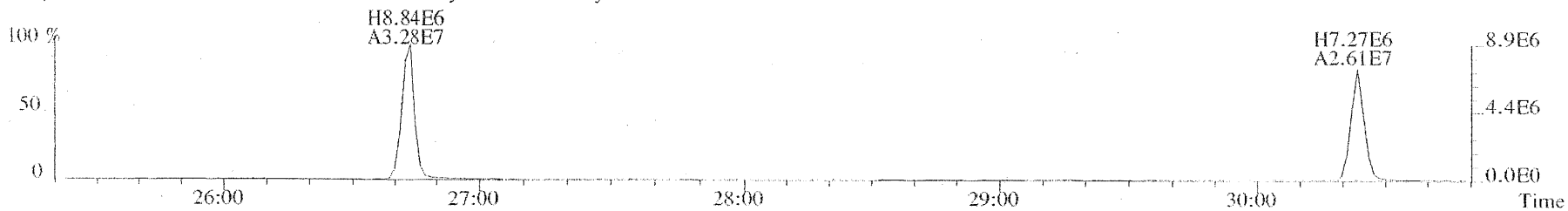
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



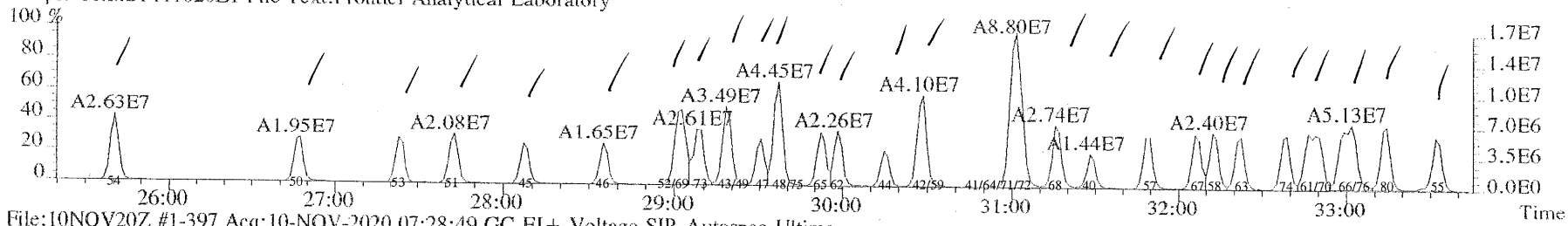
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



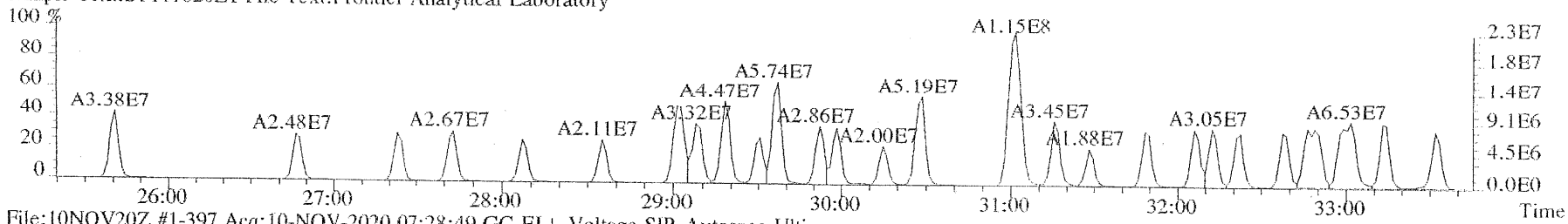
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



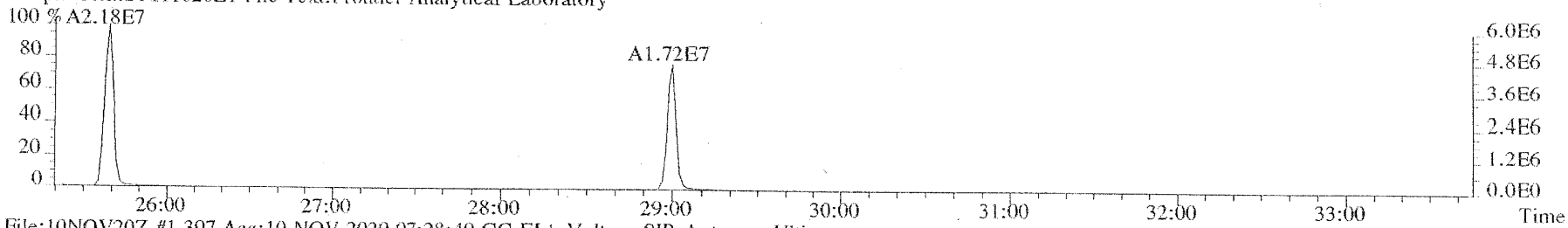
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



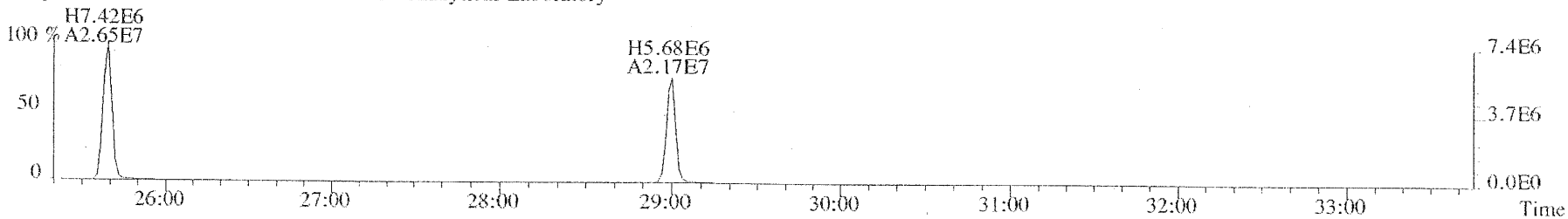
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



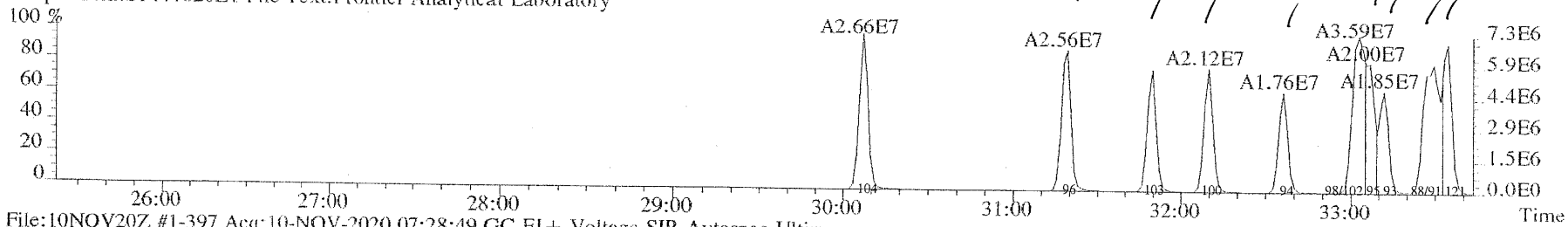
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



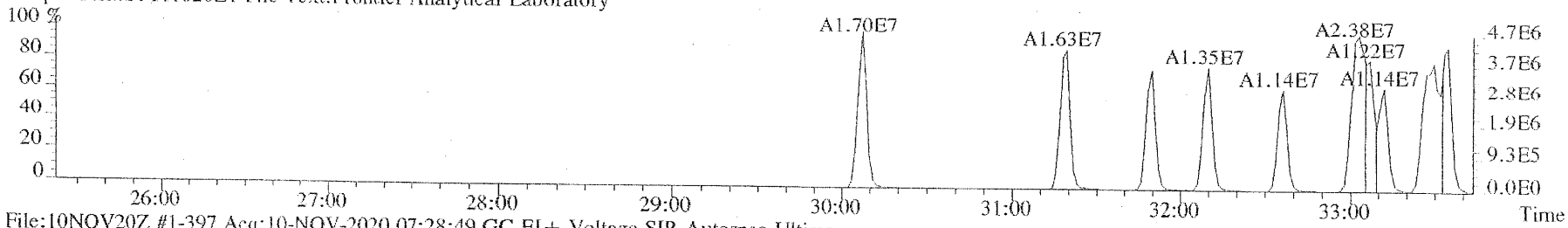
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



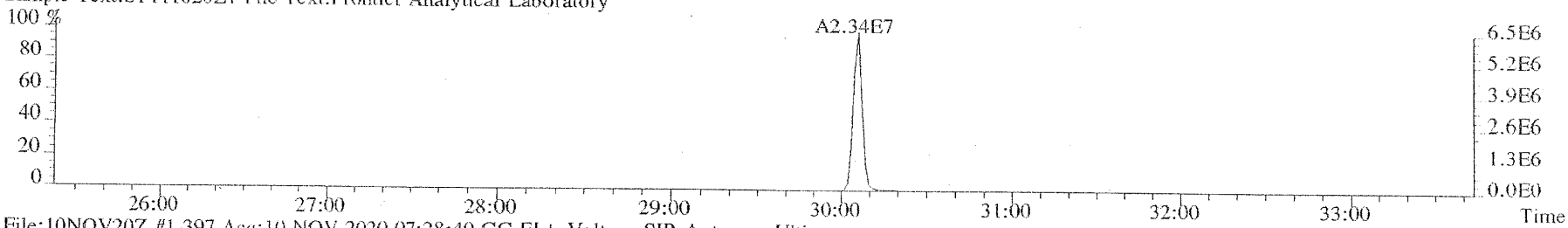
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



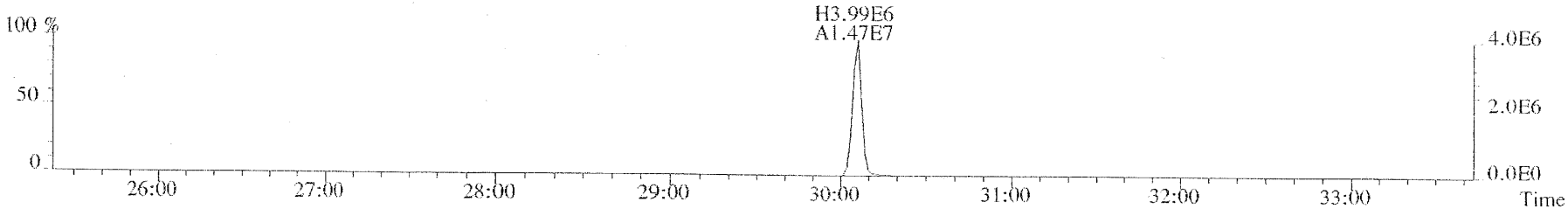
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



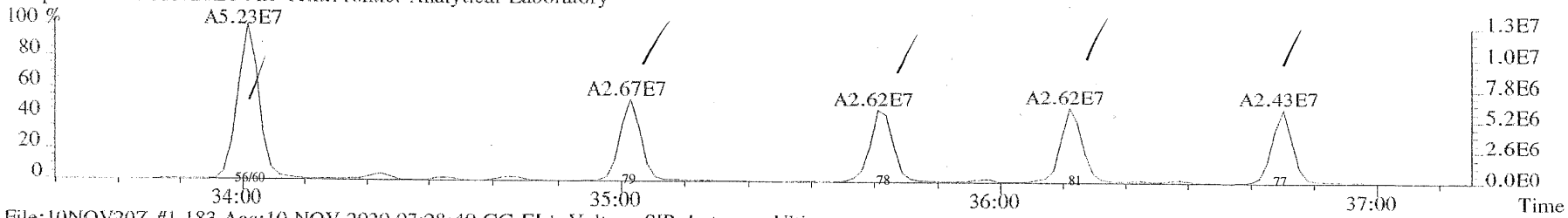
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



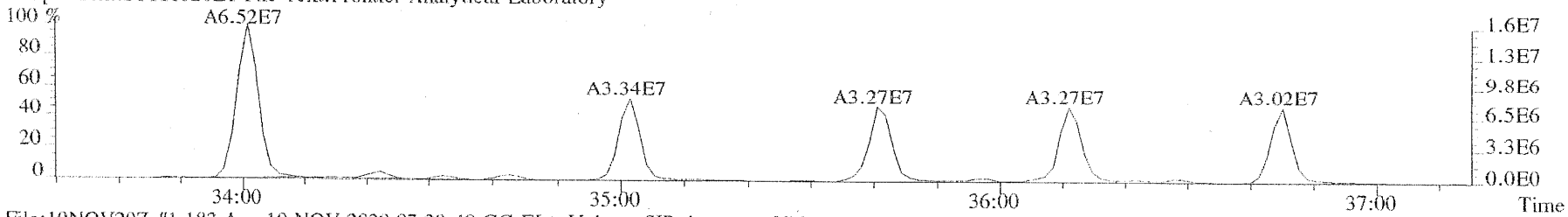
File:10NOV20Z #1-397 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



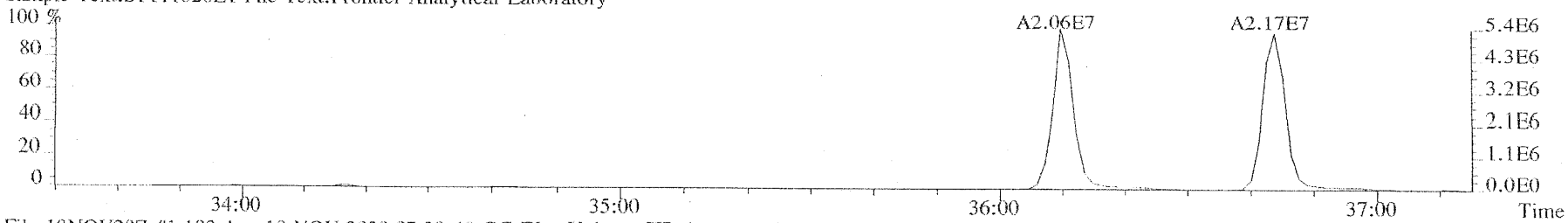
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



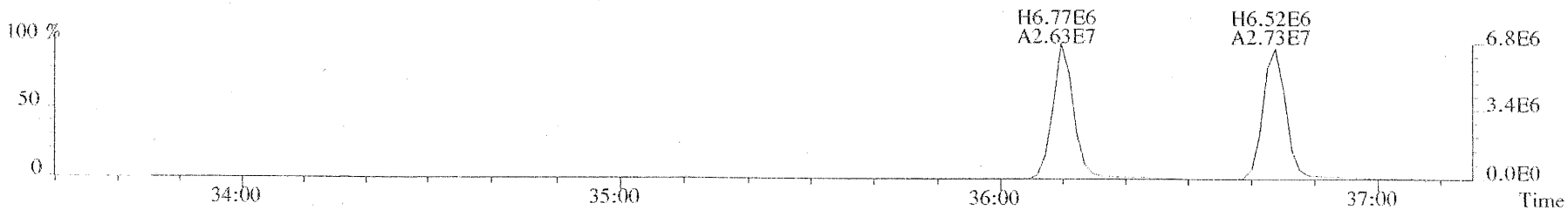
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



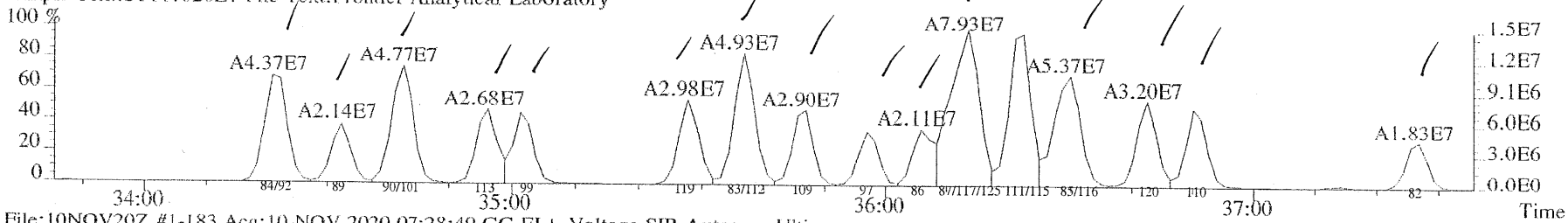
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



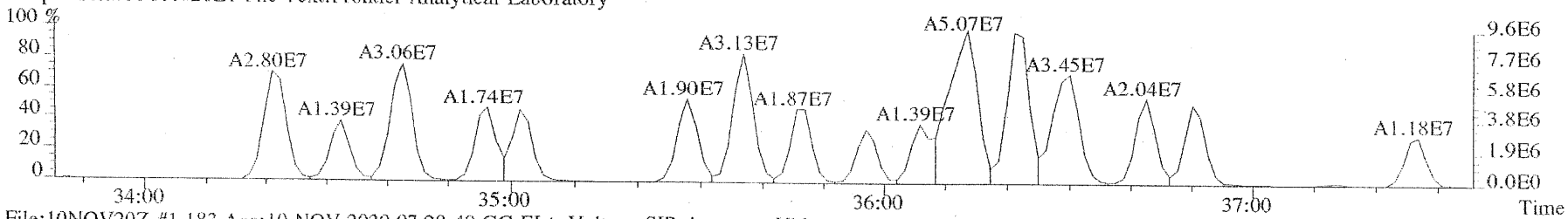
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



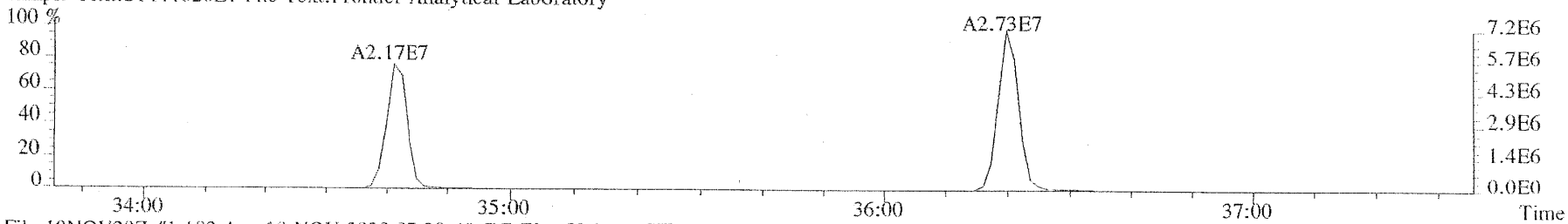
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



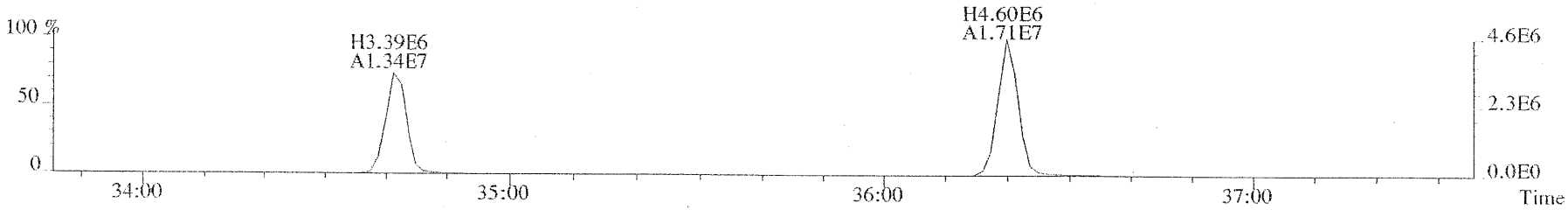
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



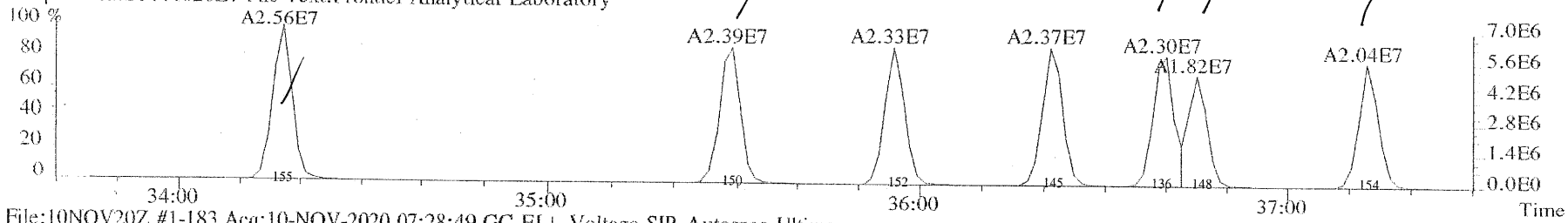
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



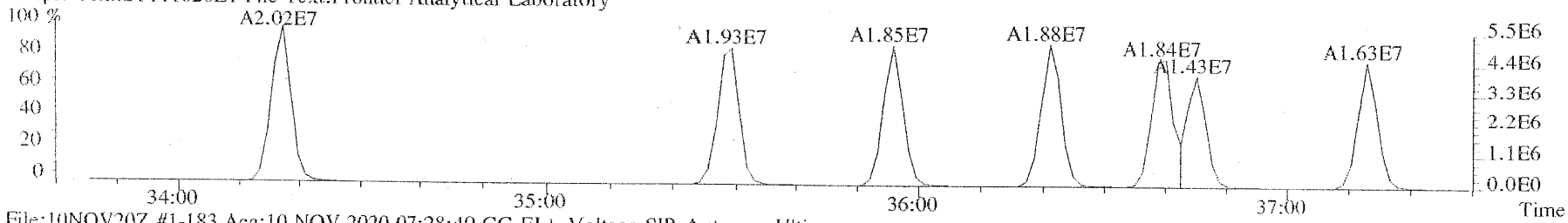
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



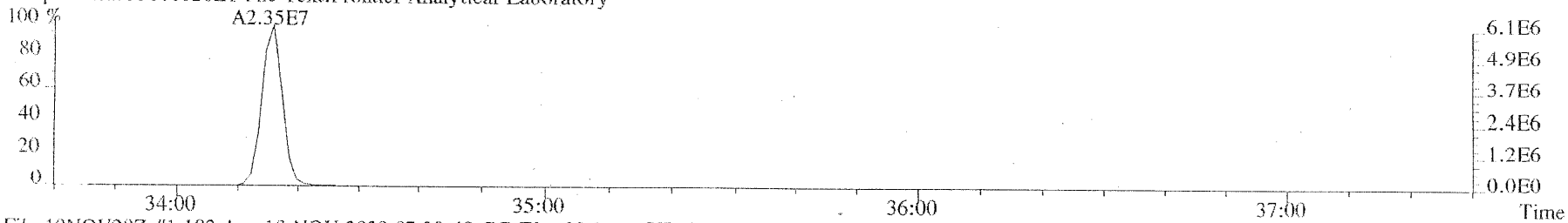
File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 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:ST111020Z1 File Text:Frontier Analytical Laboratory



File:10NOV20Z #1-183 Acq:10-NOV-2020 07:28:49 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:ST111020Z1 File Text:Frontier Analytical Laboratory



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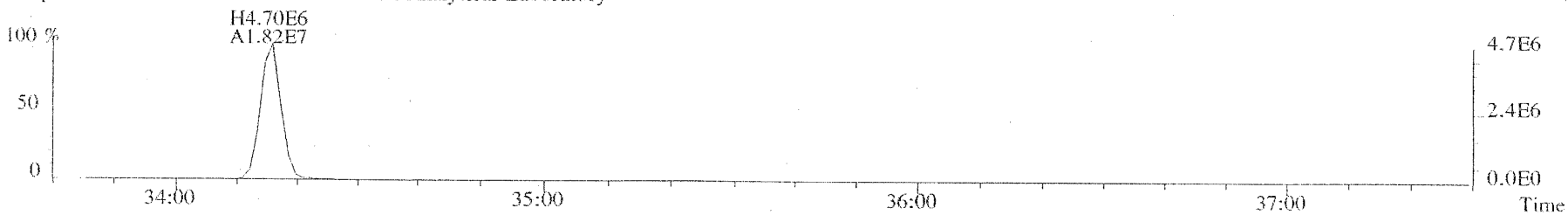
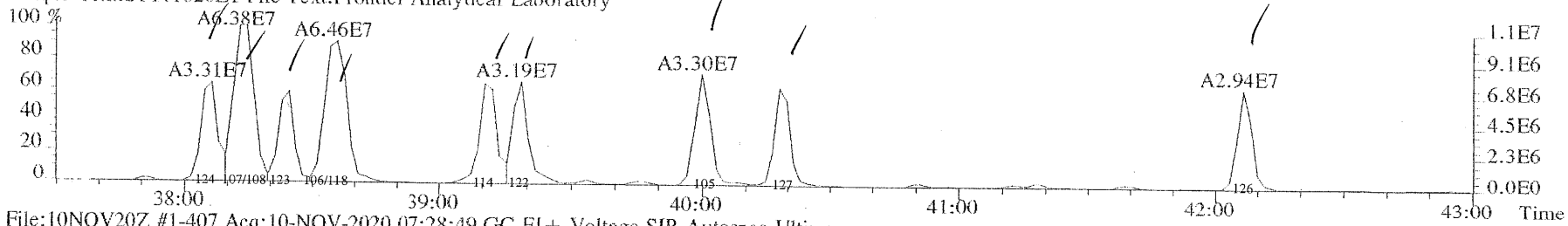
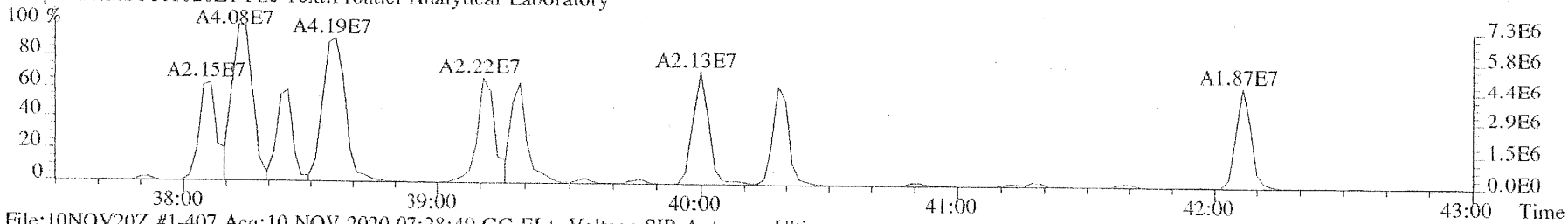
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



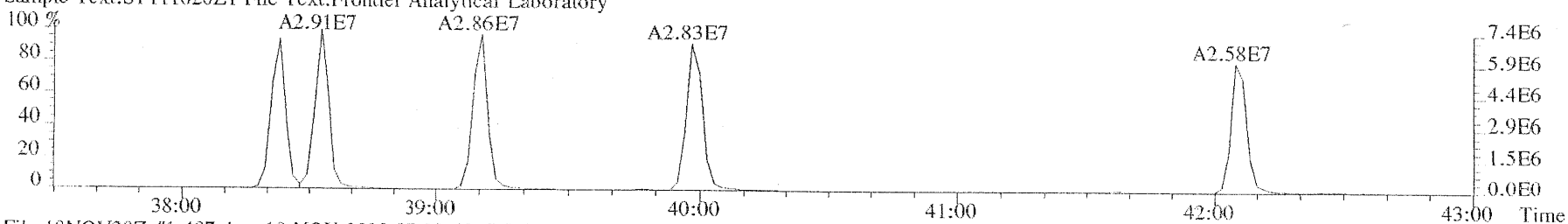
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



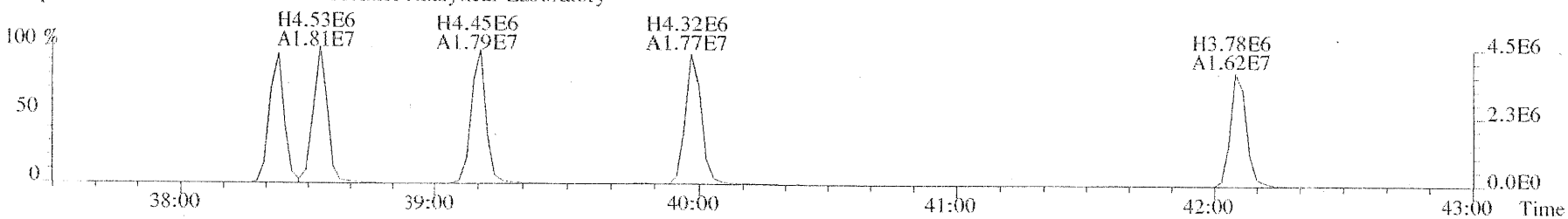
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



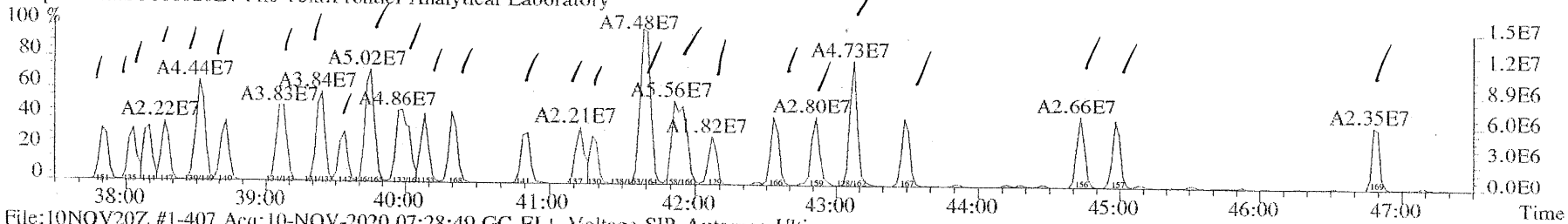
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



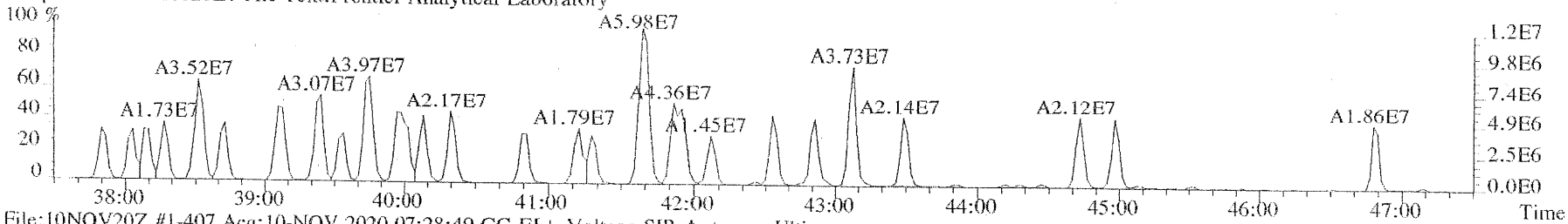
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



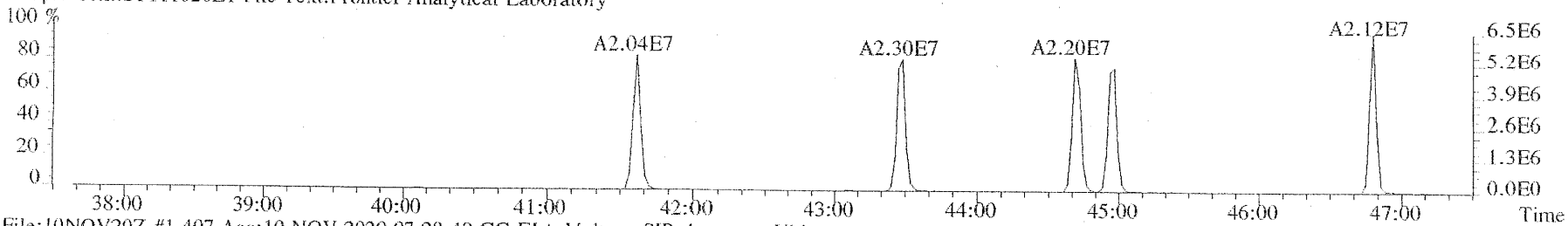
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



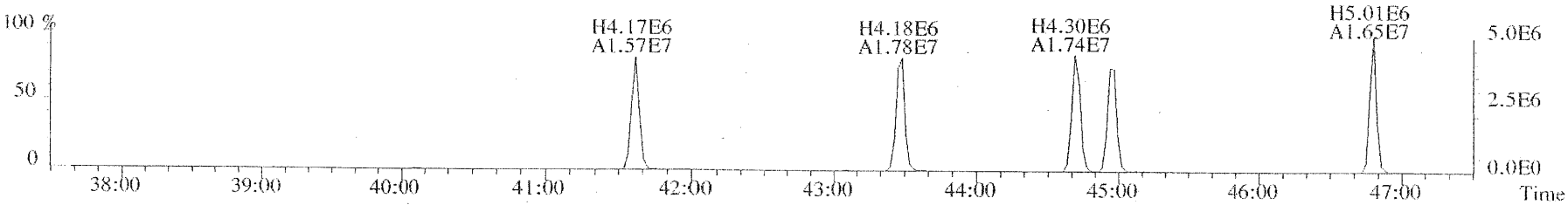
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



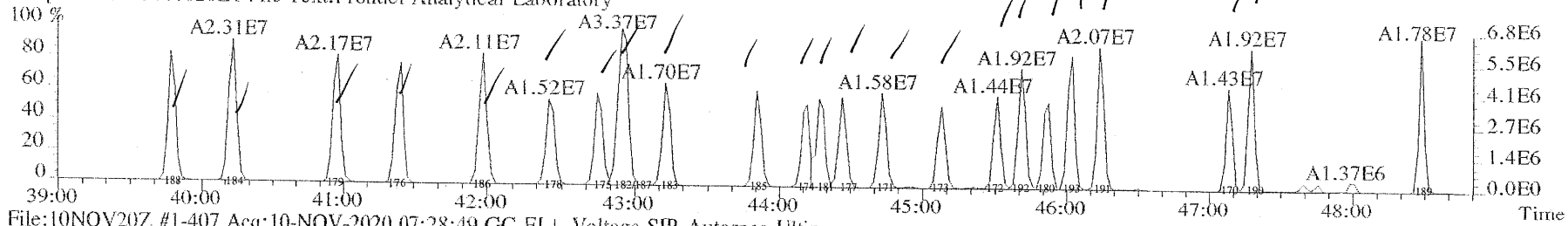
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



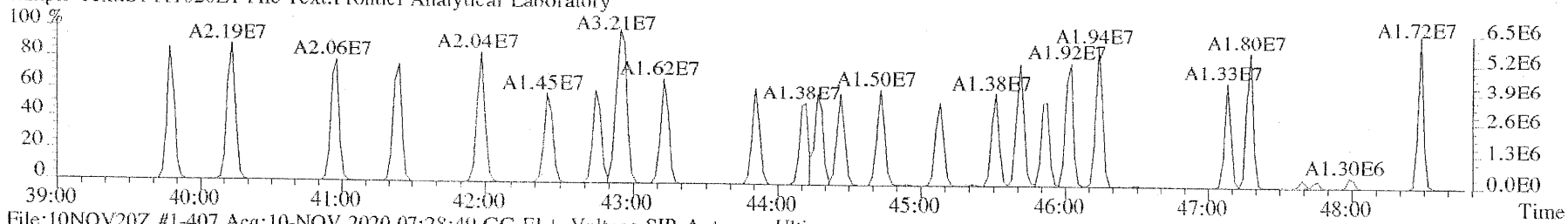
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



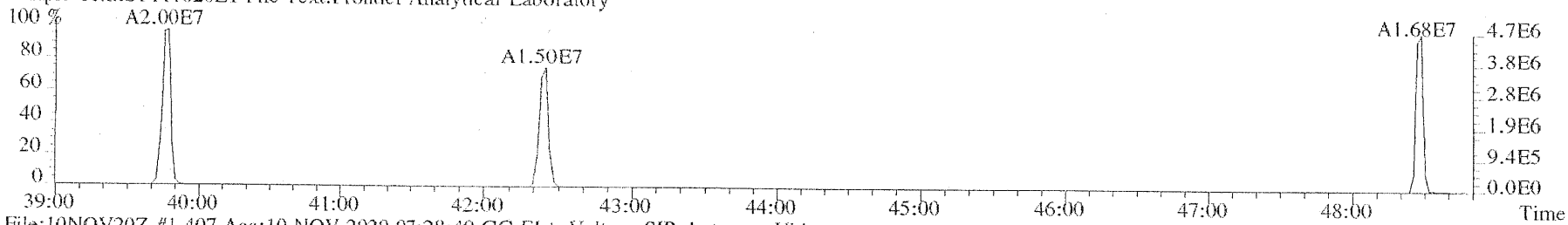
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



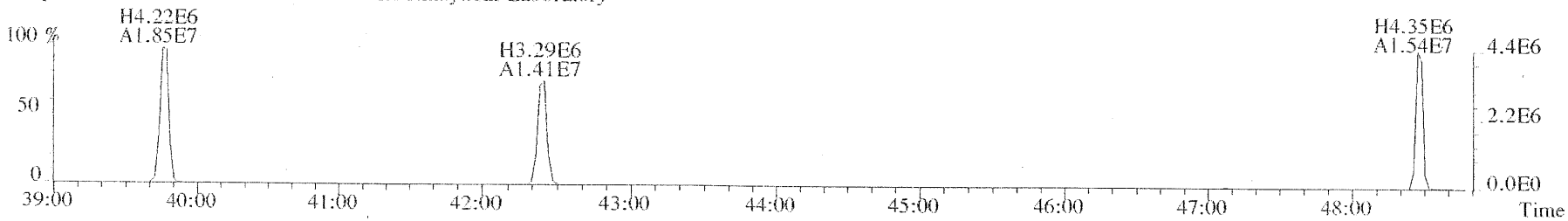
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



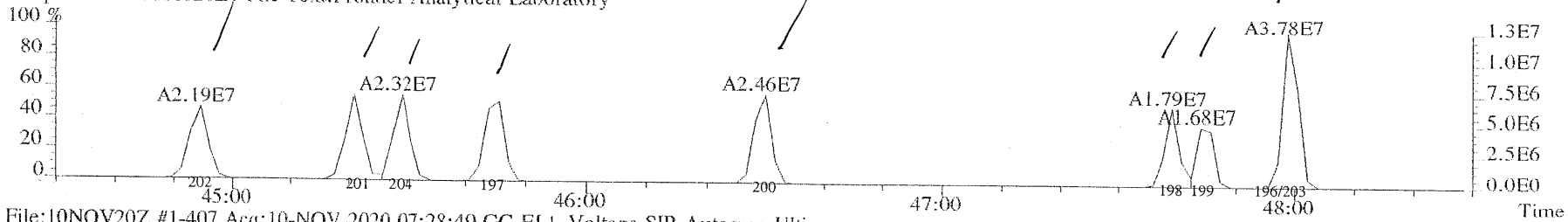
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



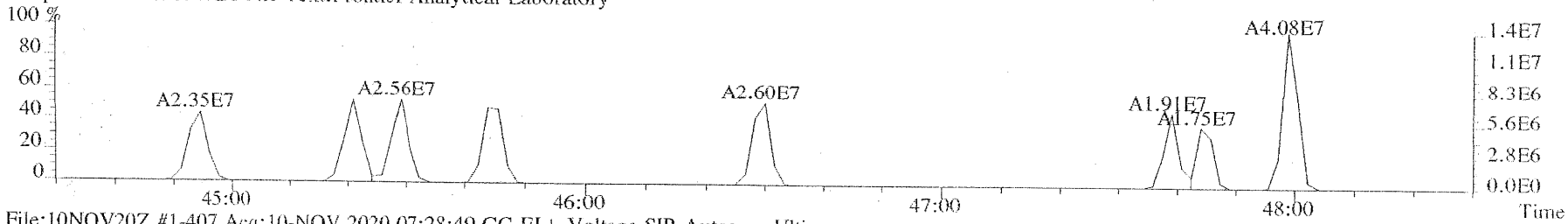
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



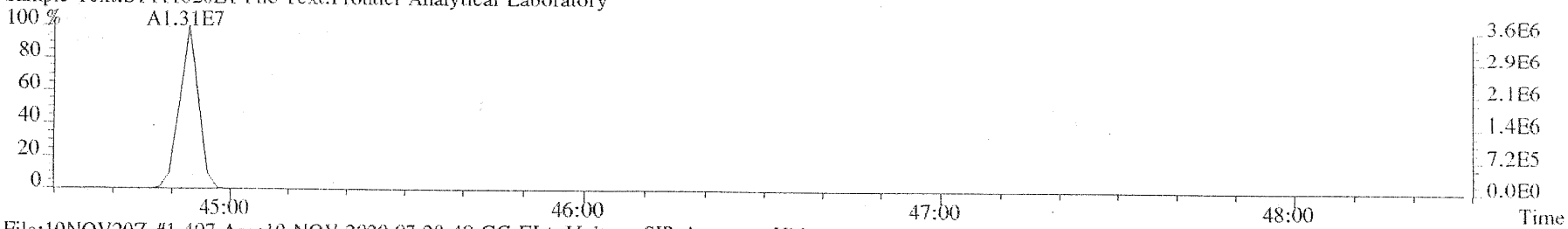
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



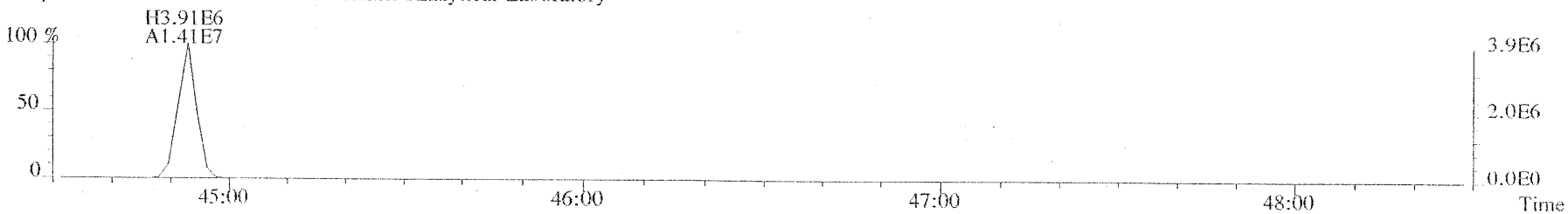
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



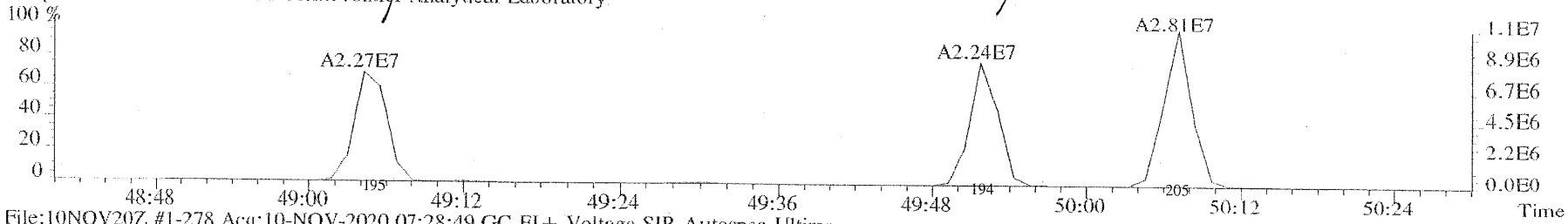
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



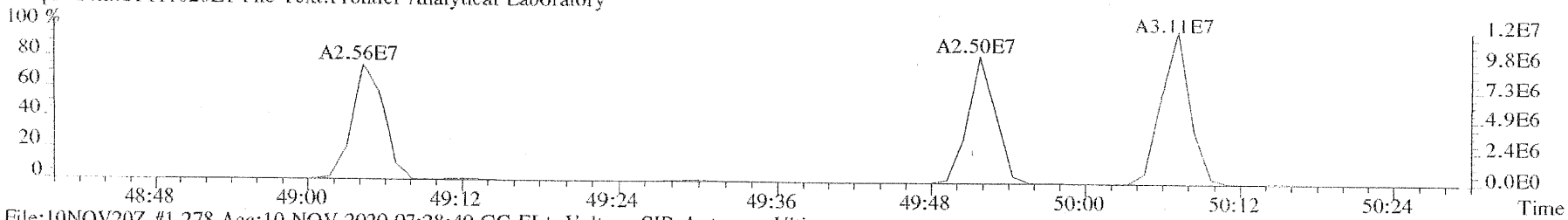
File:10NOV20Z #1-407 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



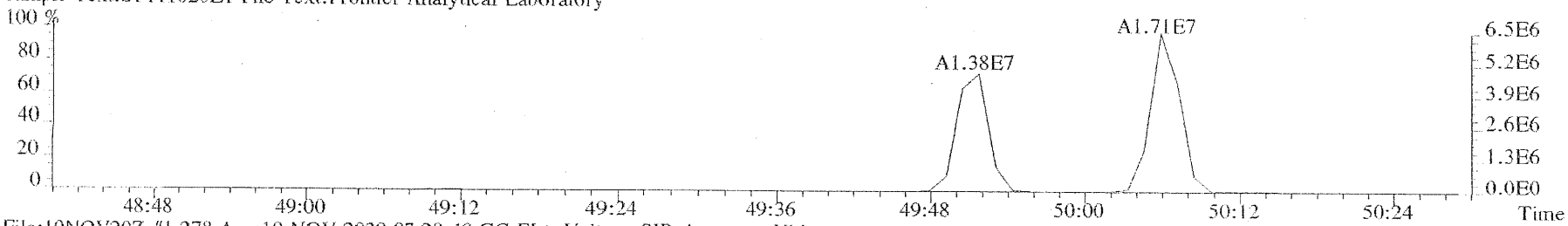
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



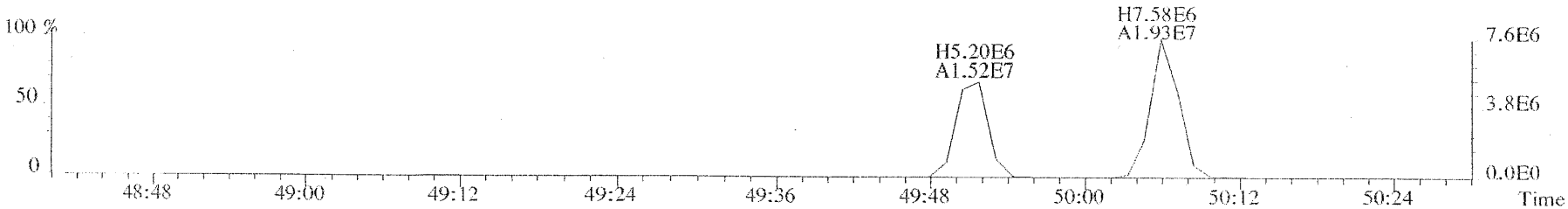
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



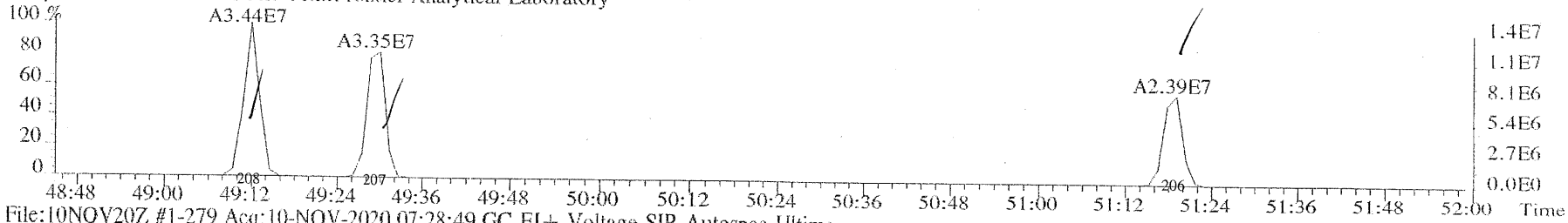
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



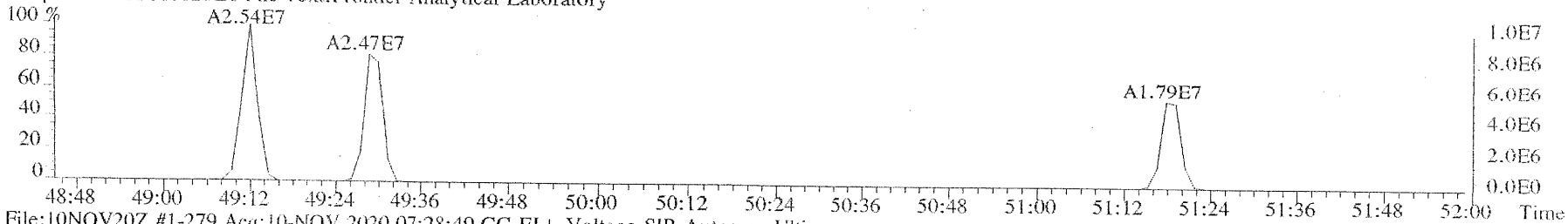
File:10NOV20Z #1-278 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



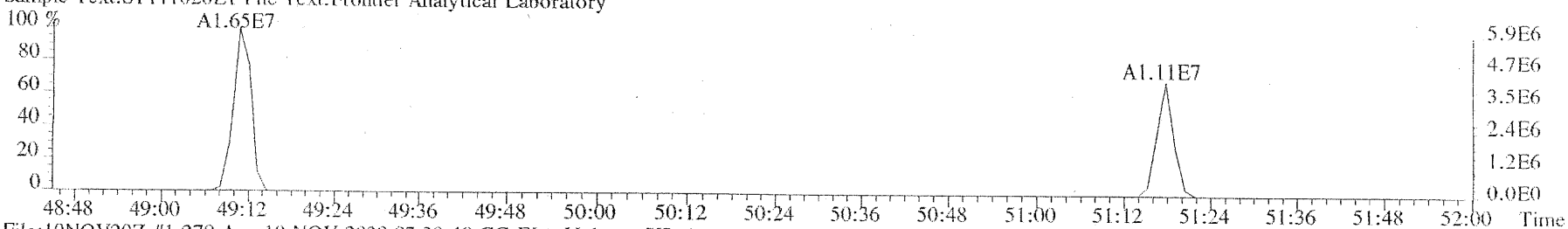
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



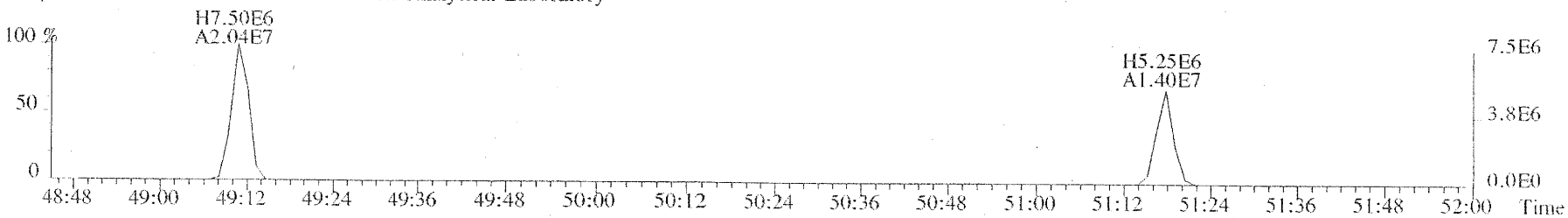
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



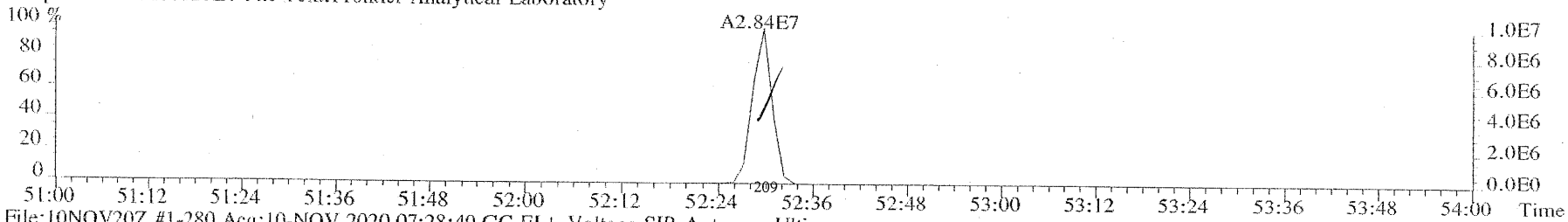
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



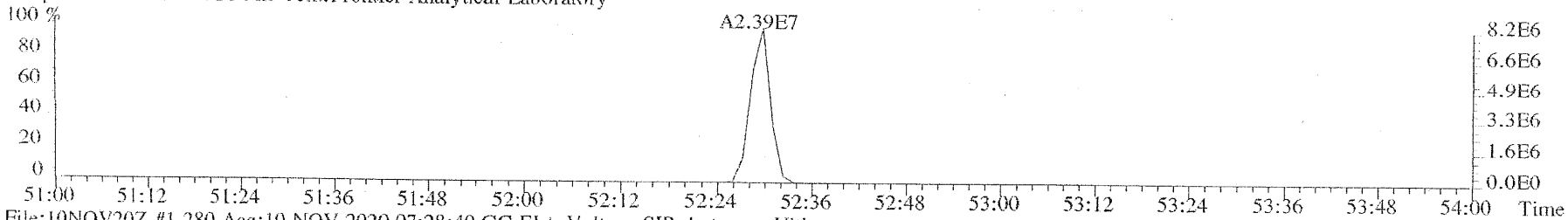
File:10NOV20Z #1-279 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



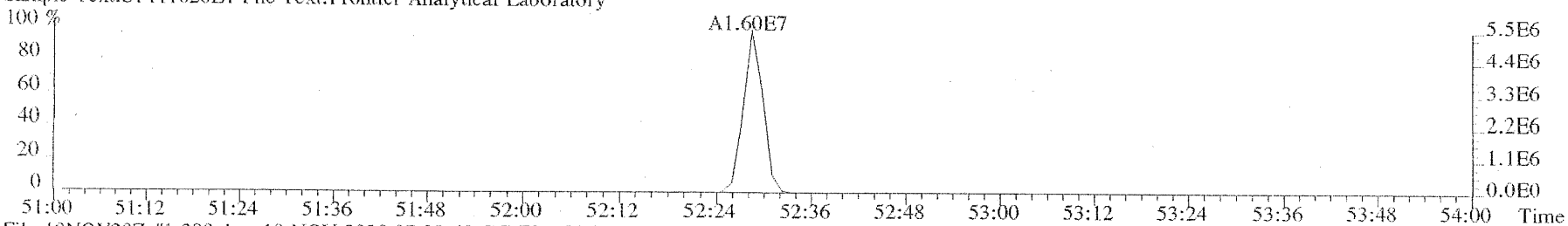
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



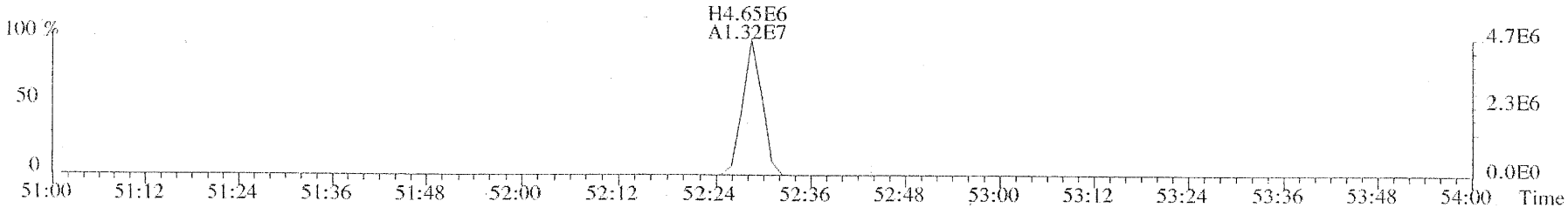
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory



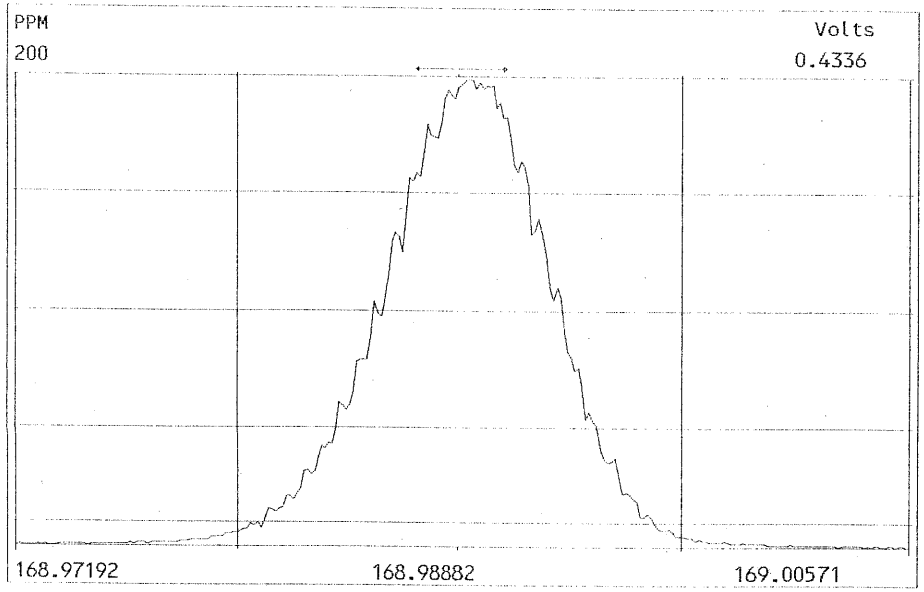
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

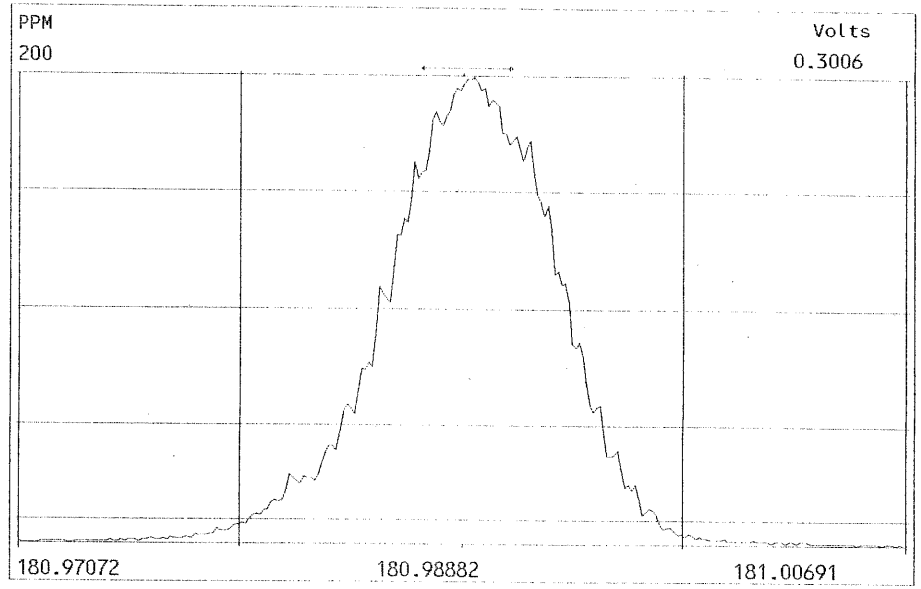


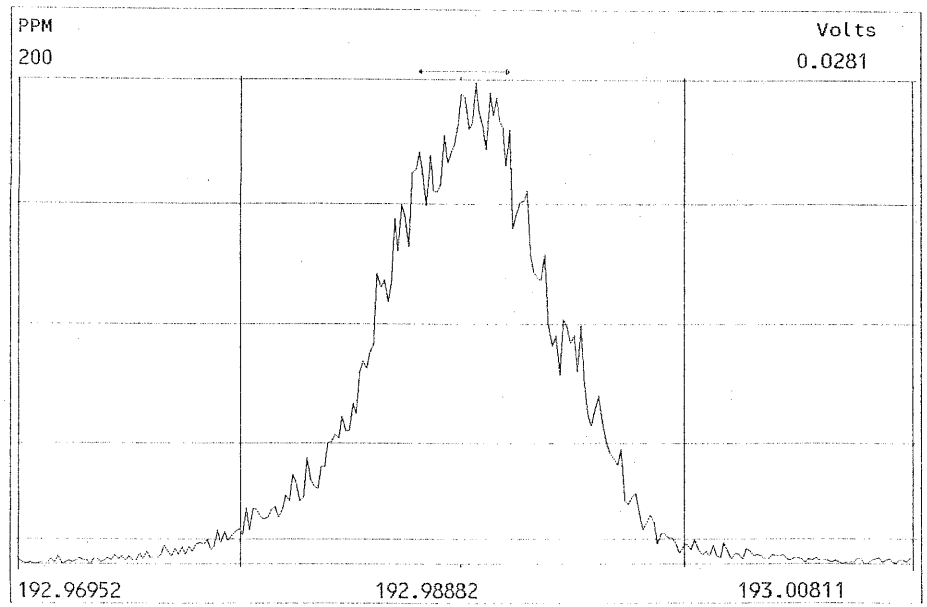
File:10NOV20Z #1-280 Acq:10-NOV-2020 07:28:49 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z1 File Text:Frontier Analytical Laboratory

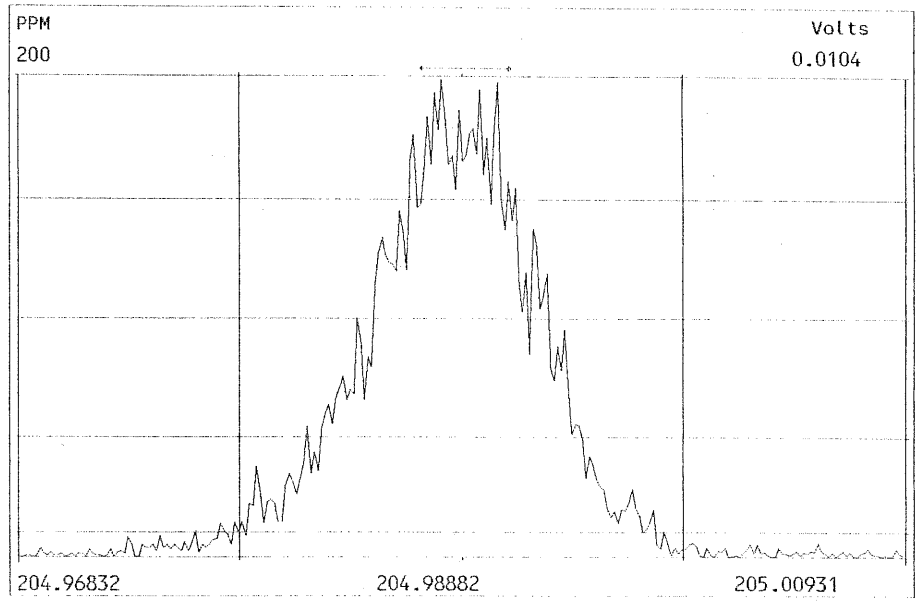


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

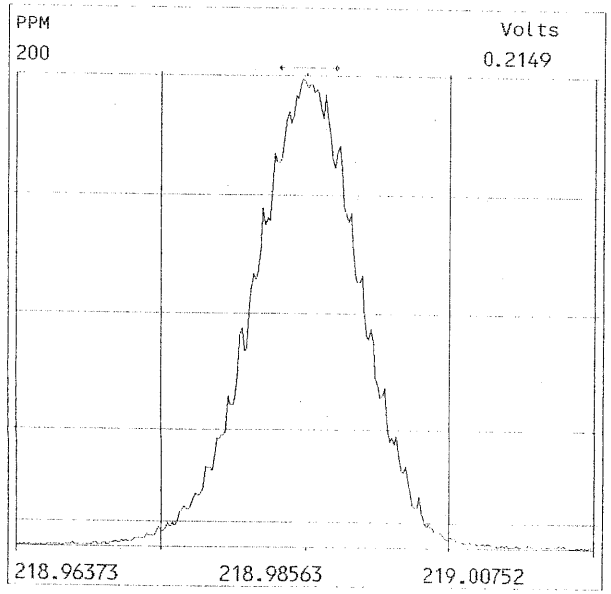


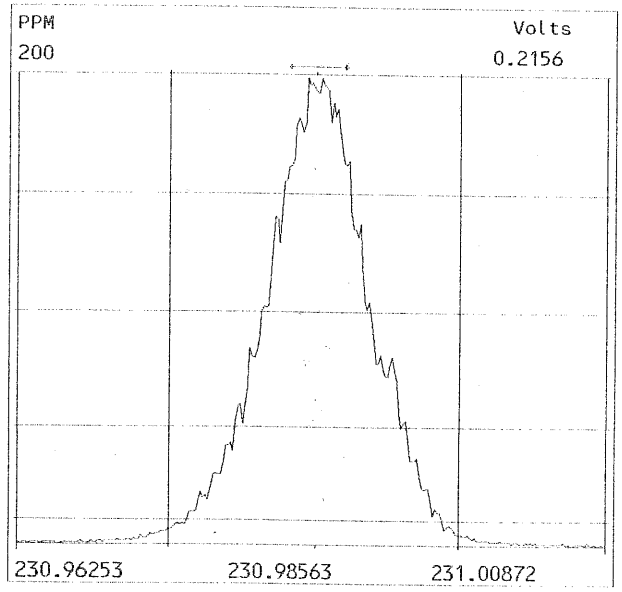


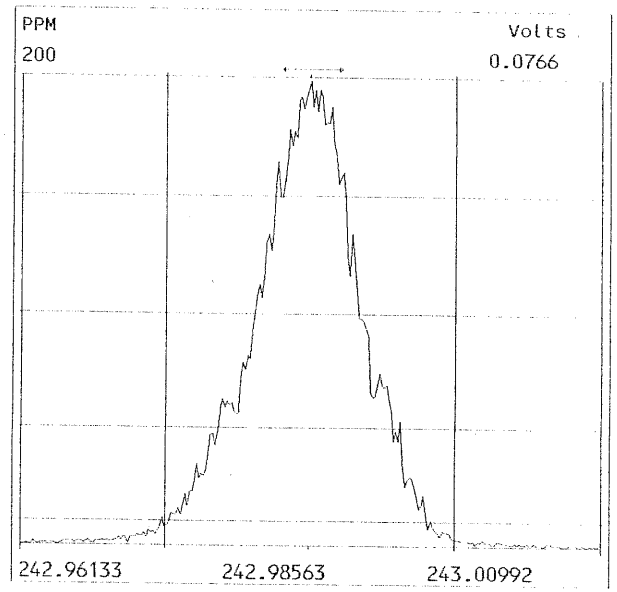


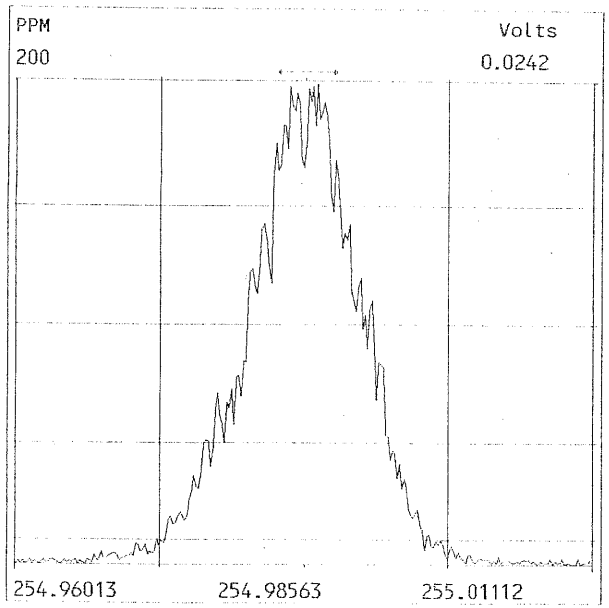


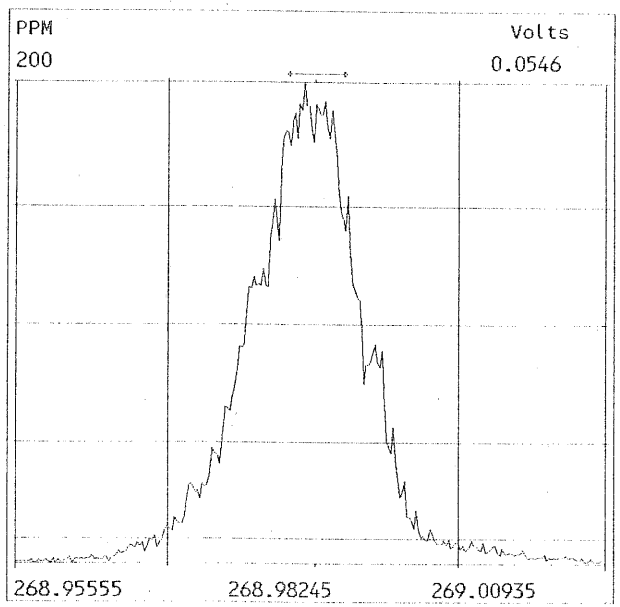
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

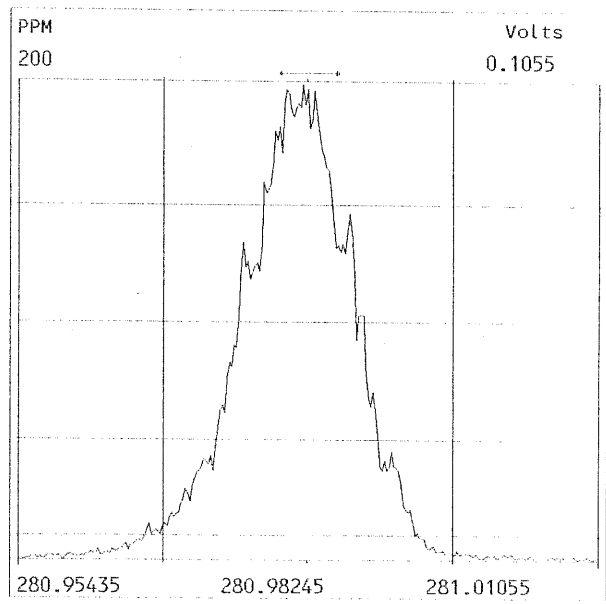




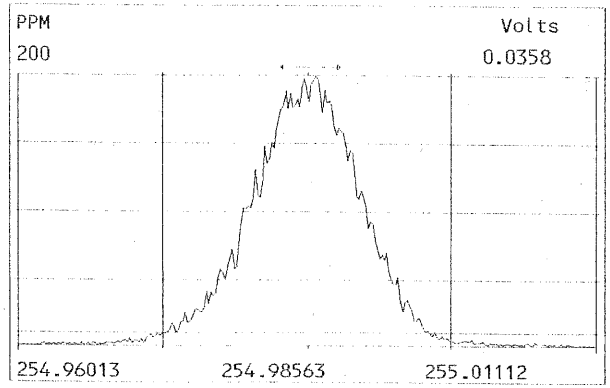


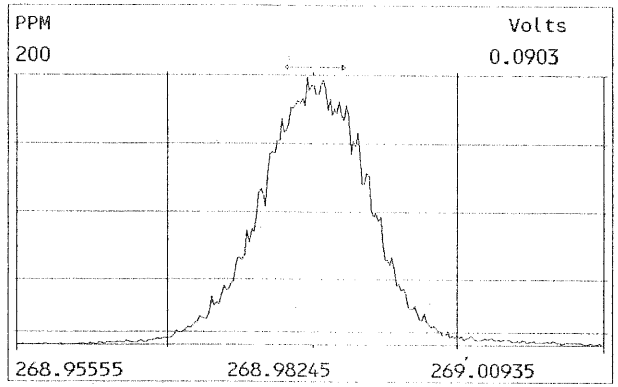


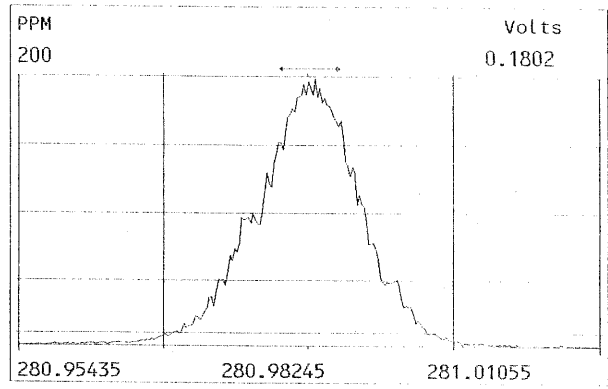


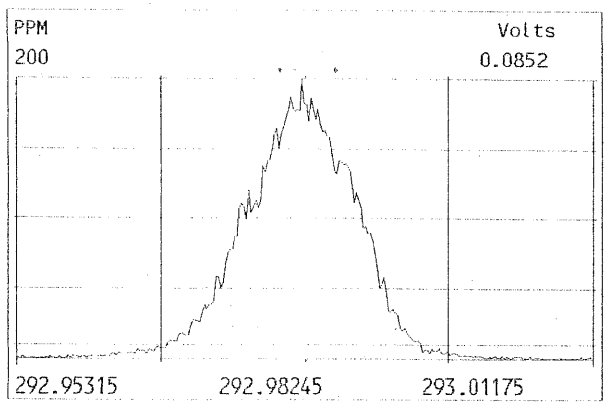


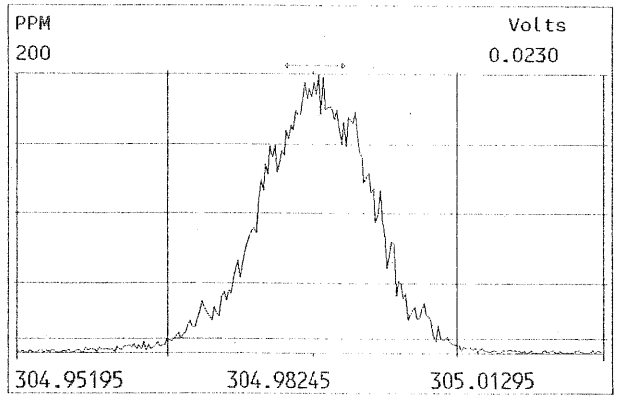
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

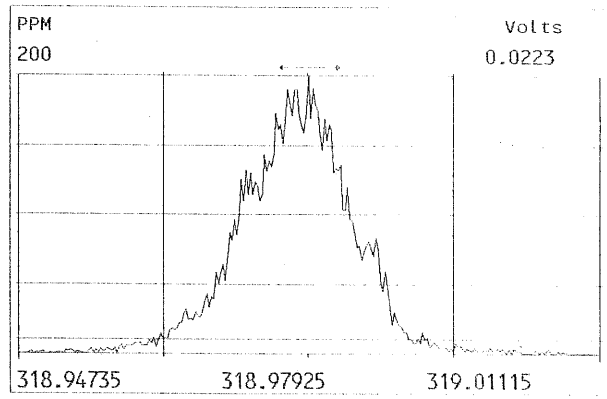


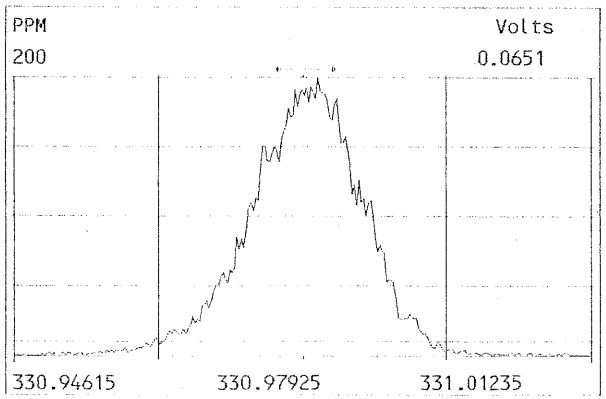


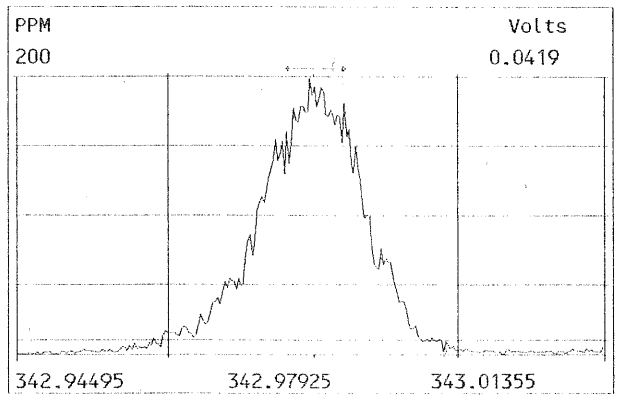




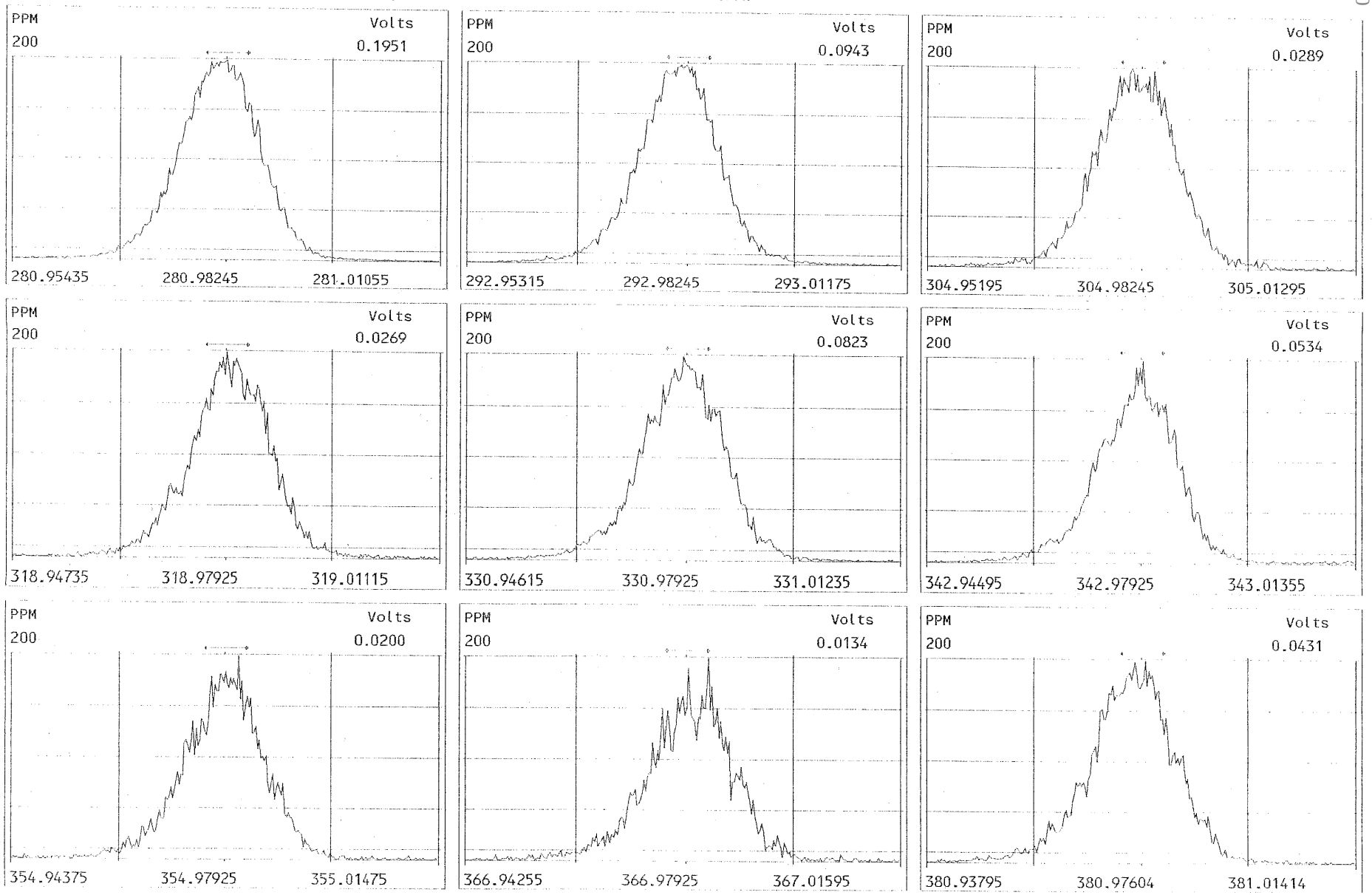




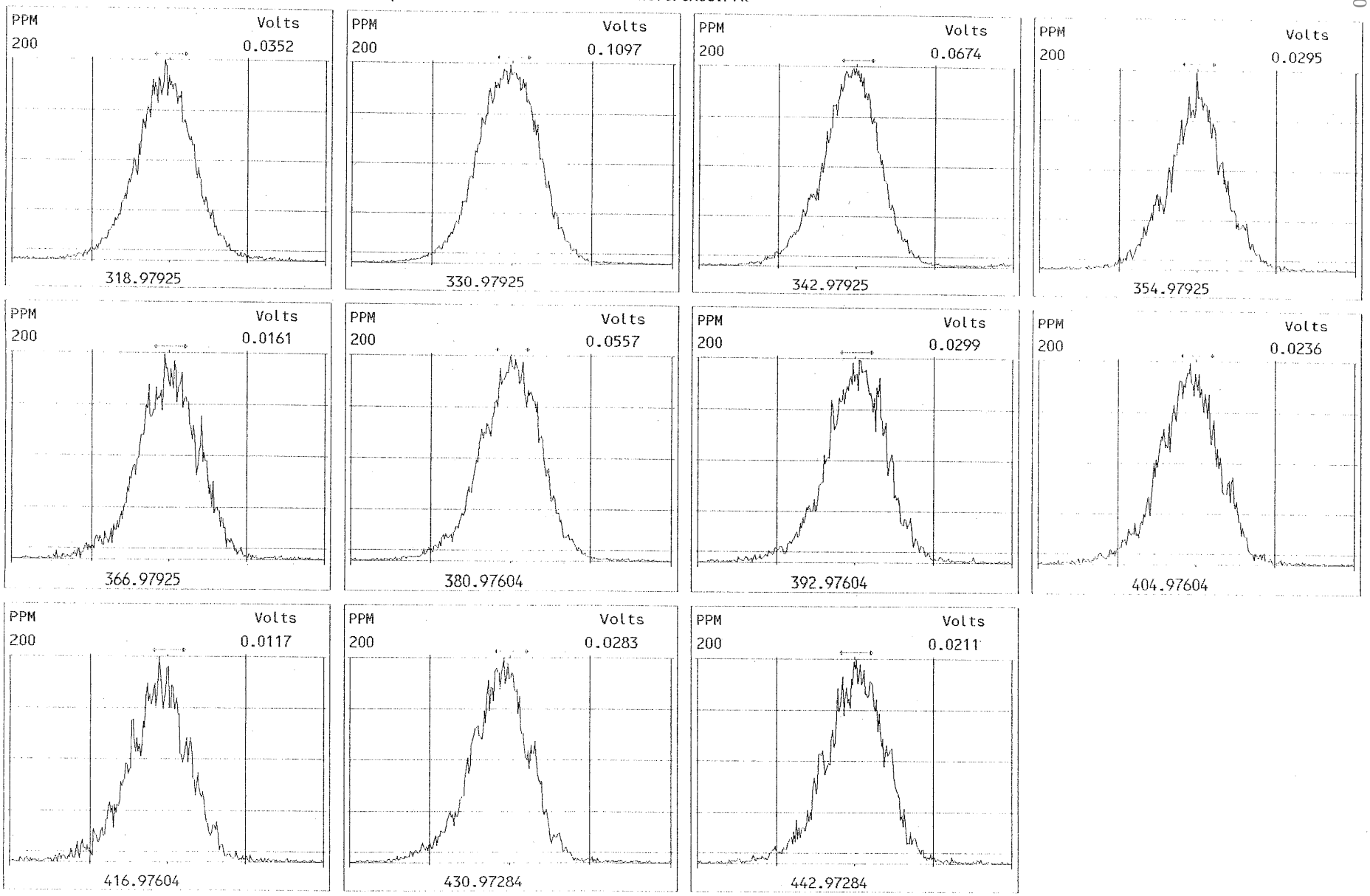




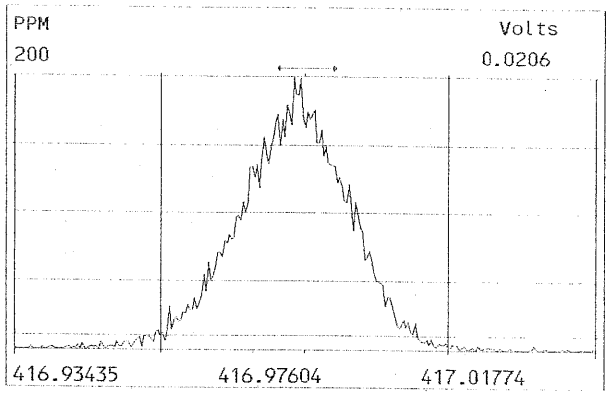
Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

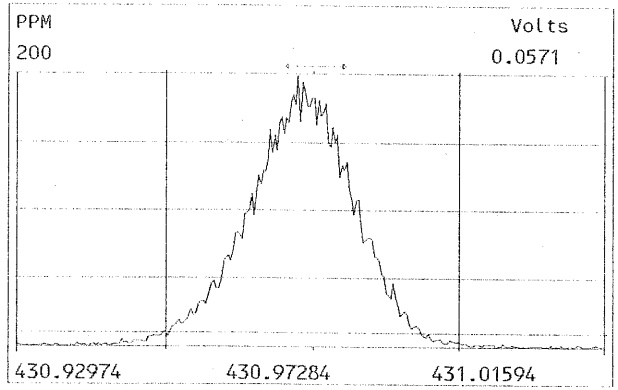


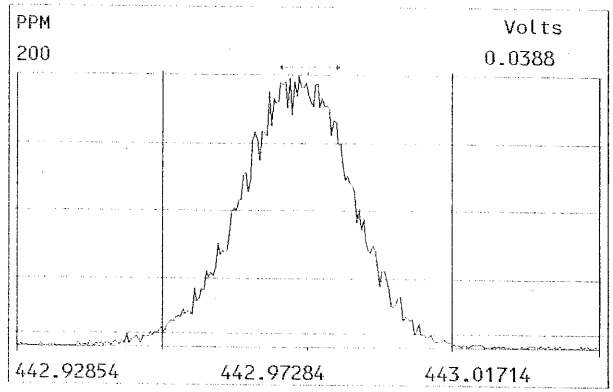
Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

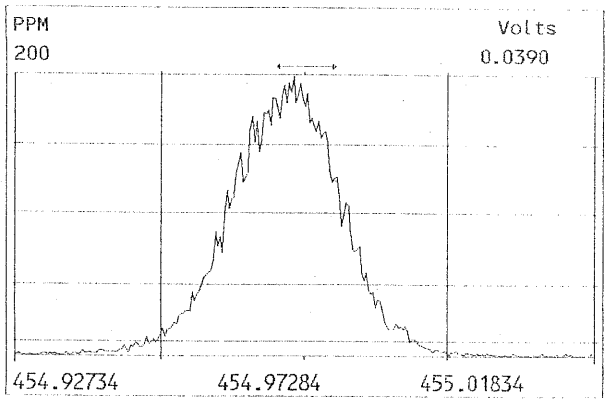


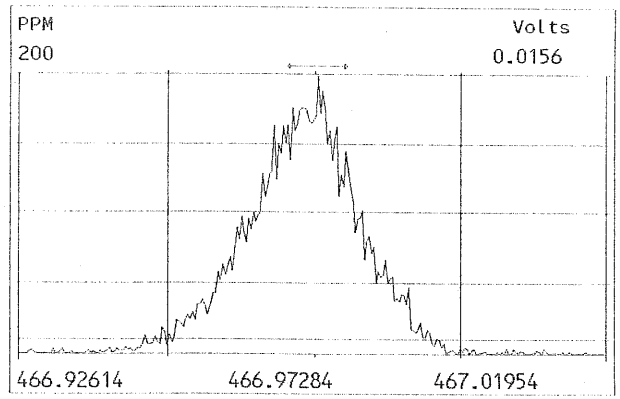
Peak Locate Examination:10-NOV-2020:20:48 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

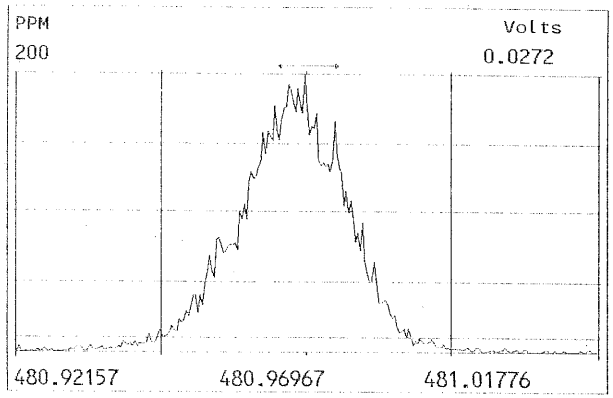


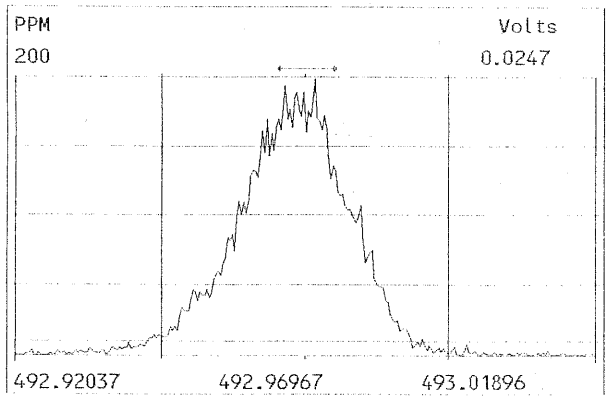


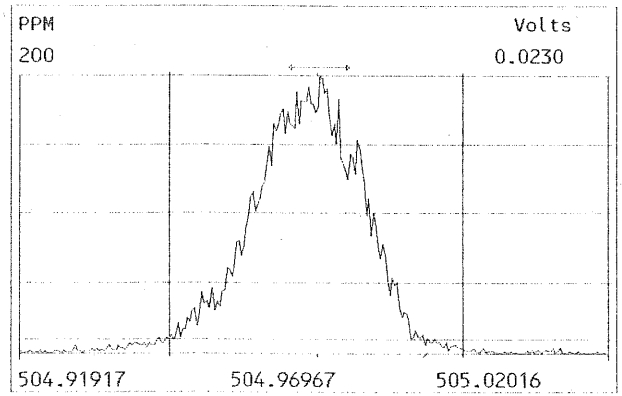


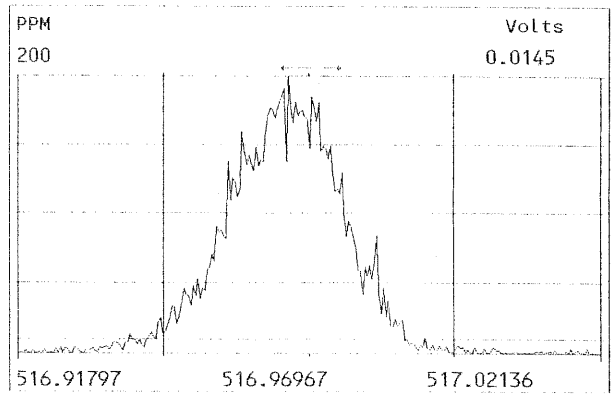












Frontier Analytical Laboratory

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: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.24	2.66-3.60	y	54.7	37.5 - 62.5
PCB-3	M/M+2	3.23	2.66-3.60	y	52.9	37.5 - 62.5
PCB-4	M/M+2	1.45	1.33-1.79	y	46.0	37.5 - 62.5
PCB-15	M/M+2	1.55	1.33-1.79	y	57.1	37.5 - 62.5
PCB-19	M/M+2	1.10	0.88-1.20	y	59.8	37.5 - 62.5
PCB-37	M/M+2	1.09	0.88-1.20	y	54.0	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	106	75.0 - 125
PCB-77	M/M+2	0.82	0.65-0.89	y	106	75.0 - 125
PCB-81	M/M+2	0.81	0.65-0.89	y	116	75.0 - 125
PCB-104	M+2/M+4	1.58	1.32-1.78	y	105	75.0 - 125
PCB-105	M+2/M+4	1.55	1.32-1.78	y	110	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-118	M+2/M+4	1.58	1.32-1.78	y	202	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	97.2	75.0 - 125
PCB-126	M+2/M+4	1.59	1.32-1.78	y	109	75.0 - 125
PCB-155	M+2/M+4	1.28	1.05-1.43	y	102	75.0 - 125
PCB-156	M+2/M+4	1.25	1.05-1.43	y	107	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	114	75.0 - 125
PCB-167	M+2/M+4	1.26	1.05-1.43	y	108	75.0 - 125
PCB-169	M+2/M+4	1.28	1.05-1.43	y	111	75.0 - 125
PCB-188	M+2/M+4	1.07	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	0.96	0.76-1.02	y	173	112.5 - 187.5
PCB-205	M+2/M+4	0.92	0.76-1.02	y	159	112.5 - 187.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	161	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	159	112.5 - 187.5

Analyst: [illegible] Date: 11/11/20

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: 10NOV20Z Sam:13 Analysis Date: 10-NOV-20 19:09:28

	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	82.9	50.0 - 145
13C-PCB-3	M/M+2	3.32	2.66-3.60	y	81.2	50.0 - 145
13C-PCB-4	M/M+2	1.61	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.61	1.33-1.79	y	92.9	50.0 - 145
13C-PCB-19	M/M+2	1.14	0.88-1.20	y	74.7	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	80.9	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	96.1	50.0 - 145
13C-PCB-77	M/M+2	0.81	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.56	1.32-1.78	y	92.1	50.0 - 145
13C-PCB-105	M+2/M+4	1.61	1.32-1.78	y	104	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	102	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	101	50.0 - 145
13C-PCB-123	M+2/M+4	1.58	1.32-1.78	y	98.8	50.0 - 145
13C-PCB-126	M+2/M+4	1.60	1.32-1.78	y	104	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	94.4	50.0 - 145
13C-PCB-156	M+2/M+4	1.25	1.05-1.43	y	93.8	50.0 - 145
13C-PCB-157	M+2/M+4	1.30	1.05-1.43	y	95.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.28	1.05-1.43	y	91.9	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.5	50.0 - 145
13C-PCB-188	M+2/M+4	1.12	0.89-1.21	y	79.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	97.1	50.0 - 145
13C-PCB-202	M+2/M+4	0.95	0.76-1.02	y	57.8	50.0 - 145
13C-PCB-205	M+2/M+4	0.89	0.76-1.02	y	102	50.0 - 145
13C-PCB-206	M+2/M+4	0.80	0.65-0.89	y	109	50.0 - 145
13C-PCB-208	M+2/M+4	0.81	0.65-0.89	y	107	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	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	90.4	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	1.09	0.89-1.21	y	97.6	75.0 - 125

Analyst: _____ Date: 11/11/20

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	3.25e+07	3.24 y	14:34	1.21	54.7		2.50	-	-	*	-
13C-PCB-1	4.90e+07	3.27 y	14:32	0.90	82.9		2.50				82.9
PCB-3	3.23e+07	3.23 y	16:60	1.23	52.9		2.50	-	-	*	-
13C-PCB-3	4.96e+07	3.32 y	16:59	0.93	81.2		2.50				81.2
PCB-4	2.27e+07	1.45 y	18:15	1.14	46.0		2.50	-	-	*	-
13C-PCB-4	4.33e+07	1.61 y	18:14	0.66	100.0		2.50				100.0
PCB-15	4.14e+07	1.55 y	23:46	1.09	57.1		2.50	-	-	*	-
13C-PCB-15	6.64e+07	1.61 y	23:45	1.09	92.9		2.50				92.9
PCB-19	1.80e+07	1.10 y	22:09	1.21	59.8		2.50	-	-	*	-
13C-PCB-19	2.48e+07	1.14 y	22:07	0.50	74.7		2.50				74.7
13C-PCB-9	6.58e+07	1.60 y	19:54	-	64.4		2.50				
PCB-37	2.89e+07	1.09 y	30:26	1.14	54.0		2.50	-	-	*	-
13C-PCB-37	4.68e+07	1.06 y	30:23	1.64	80.9		2.50				80.9
PCB-54	5.37e+07	0.78 y	25:40	1.18	106		2.50	-	-	*	-
13C-PCB-54	4.28e+07	0.80 y	25:39	1.26	96.1		2.50				96.1
PCB-104	3.89e+07	1.58 y	30:07	1.12	105		2.50	-	-	*	-
13C-PCB-104	3.32e+07	1.56 y	30:06	1.02	92.1		2.50				92.1
13C-PCB-28	5.53e+07	1.04 y	26:43	1.73	90.4		2.50				90.4
13C-PCB-52	3.53e+07	0.78 y	28:60	-	66.4		2.50				
PCB-81	6.40e+07	0.81 y	36:11	1.13	116		2.50	-	-	*	-
13C-PCB-81	4.88e+07	0.79 y	36:11	1.57	96.7		2.50				96.7
PCB-77	5.99e+07	0.82 y	36:45	1.10	106		2.50	-	-	*	-
13C-PCB-77	5.14e+07	0.81 y	36:44	1.61	99.2		2.50				99.2
PCB-155	3.87e+07	1.28 y	34:17	1.13	102		2.50	-	-	*	-
13C-PCB-155	3.35e+07	1.33 y	34:16	1.10	94.4		2.50				94.4
13C-PCB-111	4.14e+07	1.61 y	36:20	1.27	101		2.50				101
13C-PCB-101	3.21e+07	1.61 y	34:42	-	67.4		2.50				
PCB-123	5.03e+07	1.61 y	38:24	1.11	97.2		2.50	-	-	*	-
13C-PCB-123	4.66e+07	1.58 y	38:22	1.28	98.8		2.50				98.8
PCB-118	1.13e+08	1.58 y	38:36	1.12	202		2.50	-	-	*	-
13C-PCB-118	5.00e+07	1.60 y	38:32	1.35	101		2.50				101
PCB-114	6.11e+07	1.58 y	39:12	1.13	112		2.50	-	-	*	-
13C-PCB-114	4.84e+07	1.60 y	39:10	1.29	102		2.50				102
PCB-105	5.94e+07	1.55 y	39:60	1.10	110		2.50	-	-	*	-
13C-PCB-105	4.89e+07	1.61 y	39:58	1.28	104		2.50				104
PCB-126	5.57e+07	1.59 y	42:06	1.08	109		2.50	-	-	*	-
13C-PCB-126	4.69e+07	1.60 y	42:06	1.23	104		2.50				104
PCB-167	4.96e+07	1.26 y	43:29	1.11	108		2.50	-	-	*	-
13C-PCB-167	4.15e+07	1.28 y	43:29	1.23	91.9		2.50				91.9
PCB-156	4.96e+07	1.25 y	44:43	1.13	107		2.50	-	-	*	-
13C-PCB-156	4.10e+07	1.25 y	44:41	1.19	93.8		2.50				93.8
PCB-157	5.26e+07	1.24 y	44:58	1.08	114		2.50	-	-	*	-
13C-PCB-157	4.28e+07	1.30 y	44:58	1.21	95.9		2.50				95.9
PCB-169	4.90e+07	1.28 y	46:49	1.08	111		2.50	-	-	*	-
13C-PCB-169	4.11e+07	1.27 y	46:48	1.17	95.5		2.50				95.5
PCB-188	3.90e+07	1.07 y	39:46	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.30e+07	1.12 y	39:46	1.13	79.6		2.50				79.6
PCB-189	3.69e+07	1.04 y	48:28	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.45e+07	1.04 y	48:28	0.97	97.1		2.50				97.1
PCB-202	3.63e+07	0.96 y	44:54	1.03	173		2.50	-	-	*	-
13C-PCB-202	2.03e+07	0.95 y	44:53	0.96	57.8		2.50				57.8
13C-PCB-178	2.79e+07	1.09 y	42:24	0.78	97.6		2.50				97.6
13C-PCB-138	3.68e+07	1.27 y	41:37	-	76.5		2.50				

FAL ID: ST111020Z2 Filename: 10NOV20Z Sam:13 Acquired: 10-NOV-20 19:09:28 ICal: 1668PCBFAL4-7-22-20 2 of 2
Client ID: CS209 200406A ConCal: ST111020Z1 EndCal: ST111020Z2
Results: 10NOV20Z GC Column: DB1MS Amount: 1.000

PCB-205	6.42e+07	0.92	y	50:07	1.09	159	2.50	-	-	*	-
13C-PCB-205	3.72e+07	0.89	y	50:07	1.32	102	2.50				102
PCB-208	6.56e+07	1.36	y	49:12	1.01	161	2.50	-	-	*	-
13C-PCB-208	4.05e+07	0.81	y	49:12	1.38	107	2.50				107
PCB-206	4.66e+07	1.33	y	51:19	1.04	159	2.50	-	-	*	-
13C-PCB-206	2.81e+07	0.80	y	51:18	0.94	109	2.50				109
PCB-209	5.37e+07	1.18	y	52:29	1.13	159	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.20	y	52:29	1.10	98.6	2.50				98.6
13C-PCB-194	2.76e+07	0.88	y	49:52	-	72.4	2.50				

Analyst: _____ Date: 11/11/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:10NOV20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

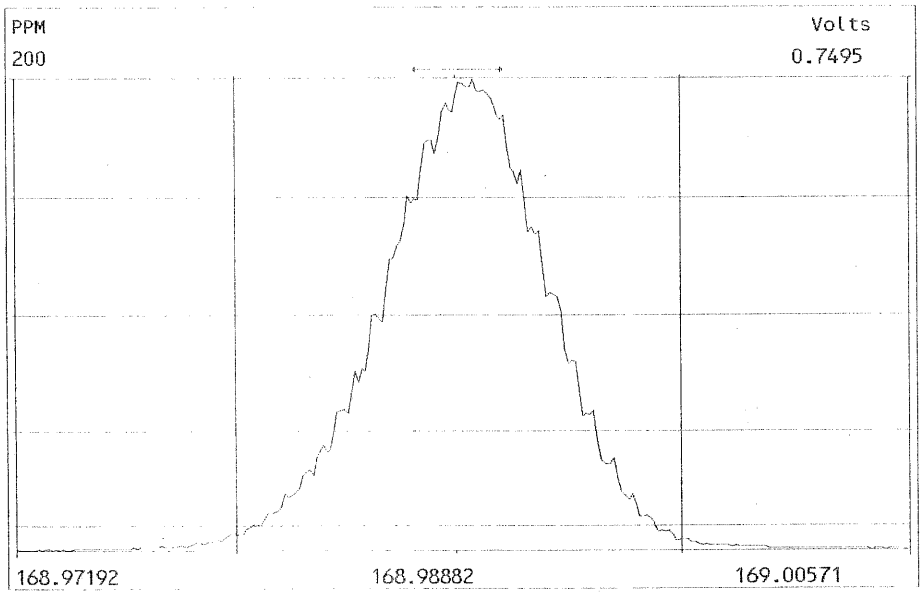
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
10NOV20Z	1	ST111020Z1	CS209 200406A	10-NOV-20 07:28:49	ST111020Z1	ST111020Z2	BS
10NOV20Z	2	05512-001-0001-OPR	OPR	10-NOV-20 08:27:09	ST111020Z1	ST111020Z2	BS
10NOV20Z	3	05512-001-0001-MB	Method Blank	10-NOV-20 09:25:30	ST111020Z1	ST111020Z2	BS
10NOV20Z	4	13416-012-0001-SA	LDW-Y3-SC-ENR-CC-CORE	10-NOV-20 10:23:52	ST111020Z1	ST111020Z2	BS
10NOV20Z	5	13416-013-0001-SA	LDW-Y3-SC-ENR-CD-CORE	10-NOV-20 11:22:13	ST111020Z1	ST111020Z2	BS
10NOV20Z	6	13416-015-0001-SA	LDW-Y3-SC-ENR+AC-CA-CORE	10-NOV-20 12:20:34	ST111020Z1	ST111020Z2	BS
10NOV20Z	7	13416-016-0001-SA	LDW-Y3-SC-ENR+AC-CB-CORE	10-NOV-20 13:19:20	ST111020Z1	ST111020Z2	BS
10NOV20Z	8	13416-017-0001-SA	LDW-Y3-SC-ENR+AC-CC-CORE	10-NOV-20 14:17:41	ST111020Z1	ST111020Z2	BS
10NOV20Z	9	13417-001-0001-SA	LDW-Y3-SC-ENR-SS	10-NOV-20 15:16:03	ST111020Z1	ST111020Z2	BS
10NOV20Z	10	13417-002-0001-SA	LDW-Y3-SC-ENR+AC-SS	10-NOV-20 16:14:24	ST111020Z1	ST111020Z2	BS
10NOV20Z	11	13380-007-0001-SA	LDW-Y3-LBS-SU-ENR-A-WORM	10-NOV-20 17:12:45	ST111020Z1	ST111020Z2	BS
10NOV20Z	12	SB111020Z1	Solvent Blank	10-NOV-20 18:11:06	ST111020Z1	ST111020Z2	BS
10NOV20Z	13	ST111020Z2	CS209 200406A	10-NOV-20 19:09:28	ST111020Z1	ST111020Z2	BS

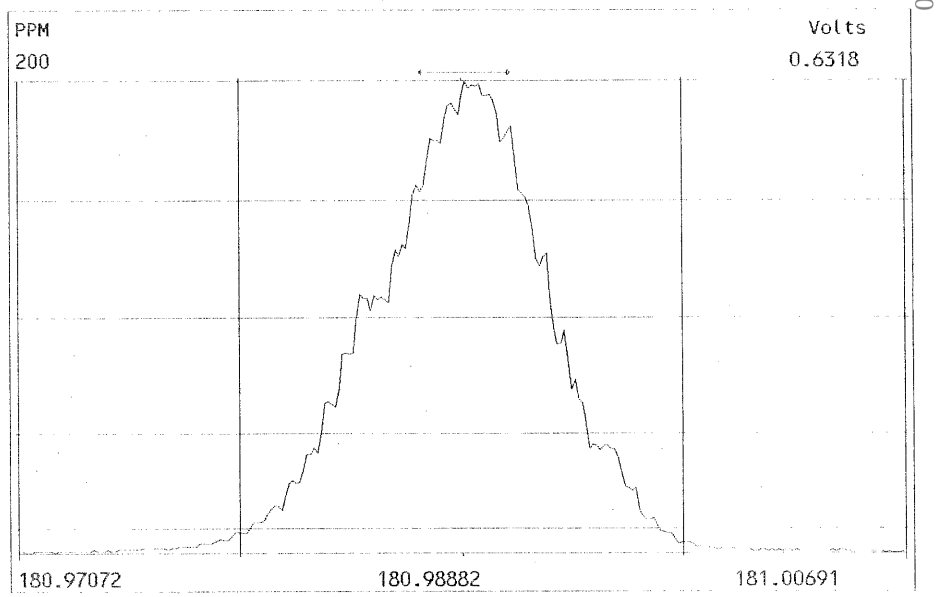
BH 11/11/20

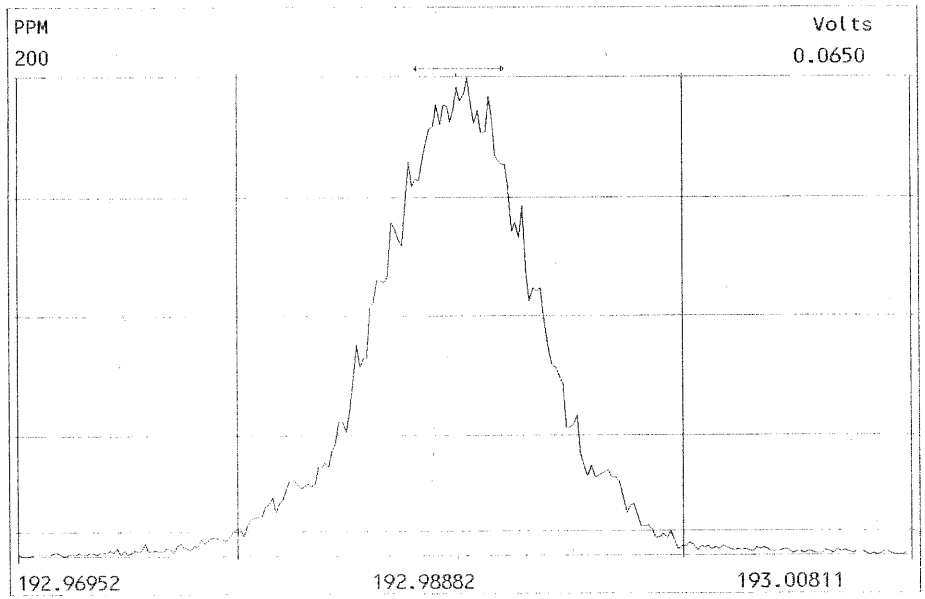
Data Backed Up:_____

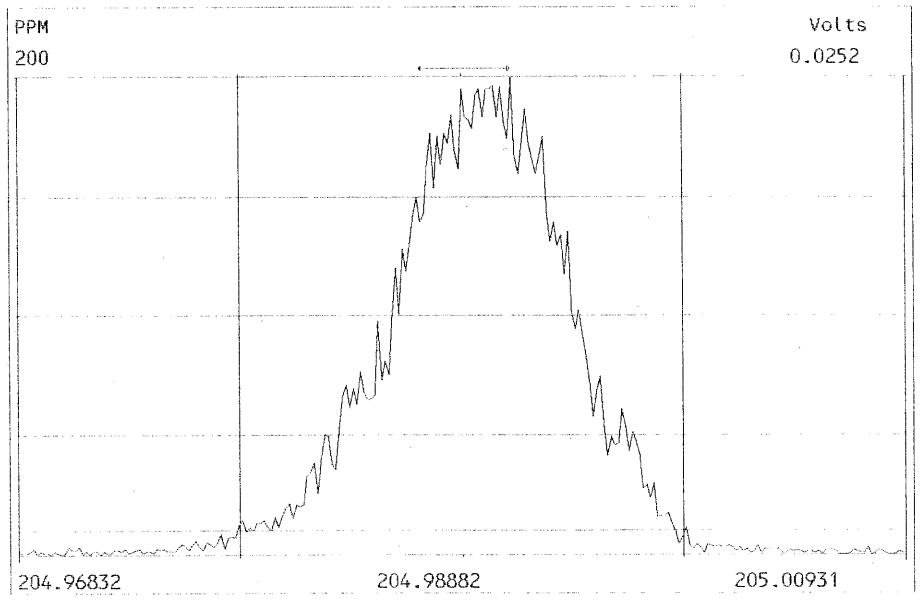
Date:_____

Peak Locate Examination:10-NOV-2020:07:25 File:10NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

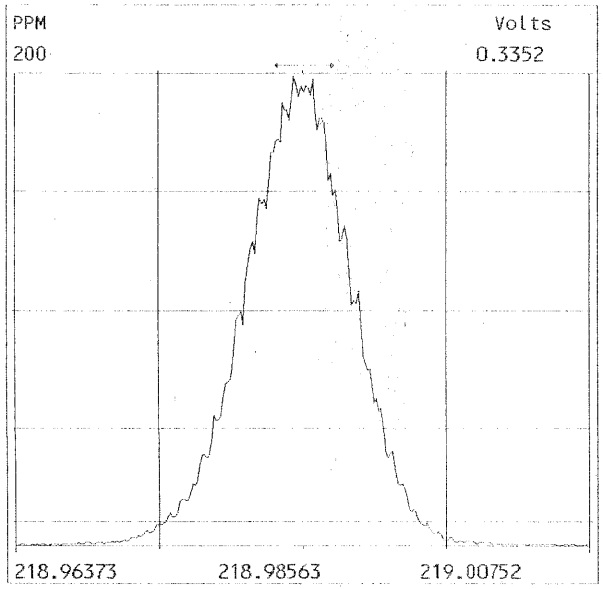


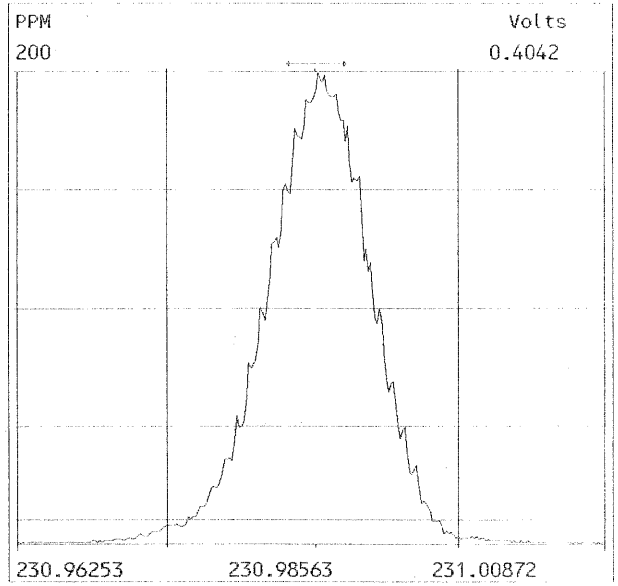


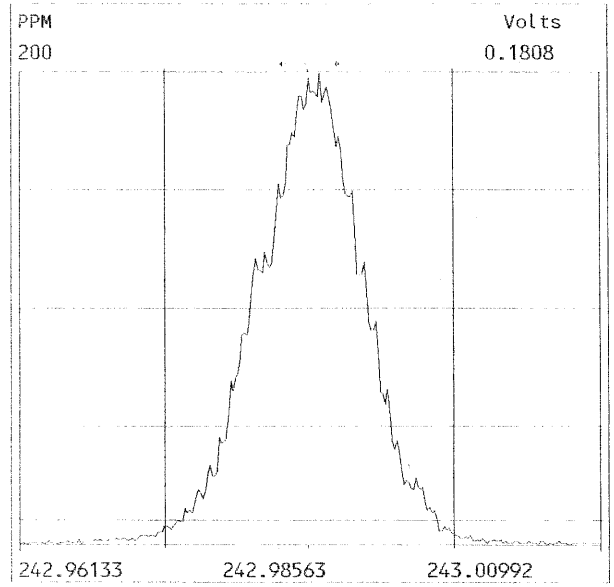


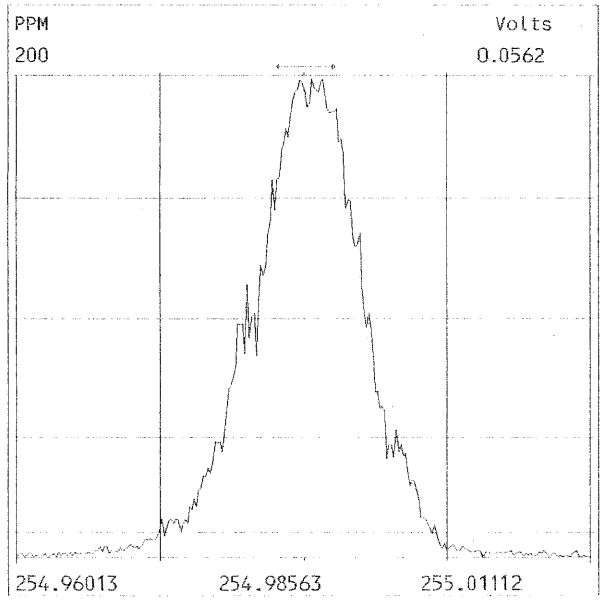


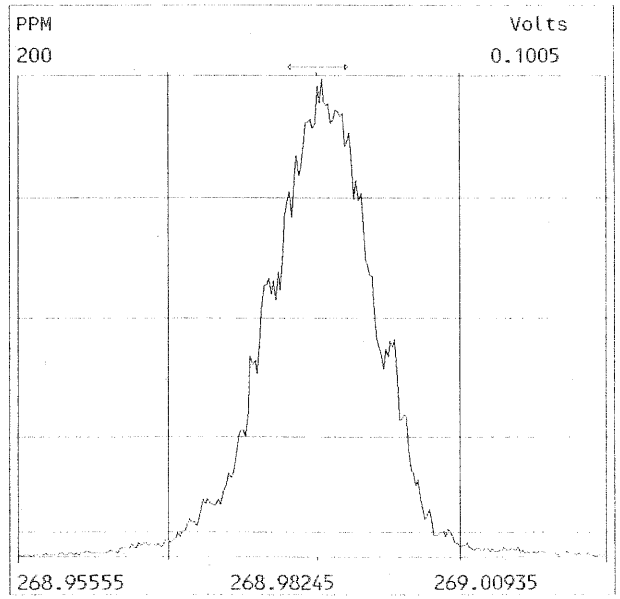
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

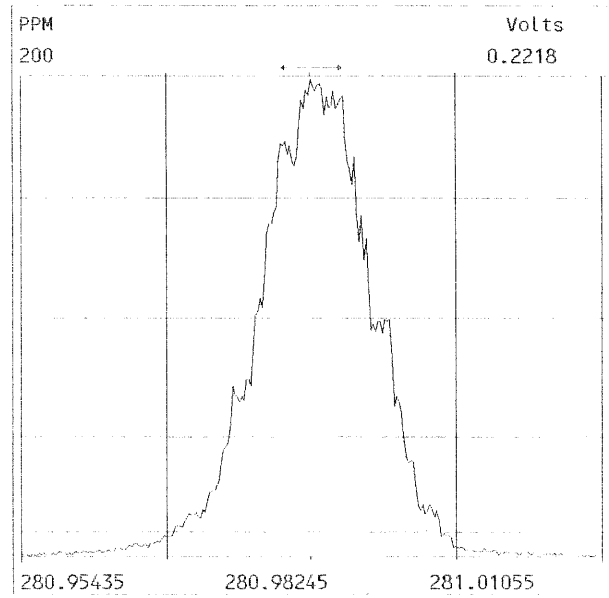




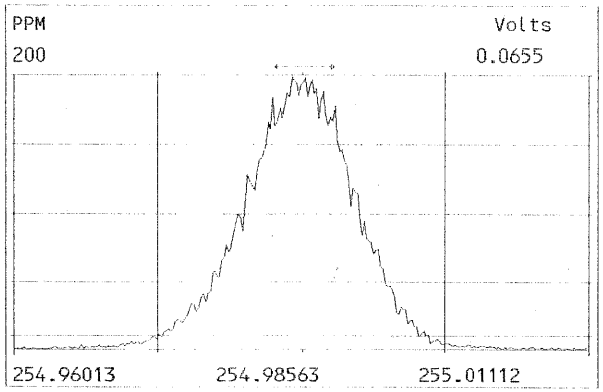


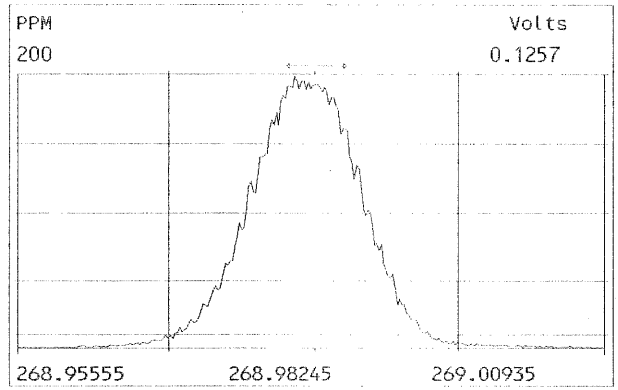


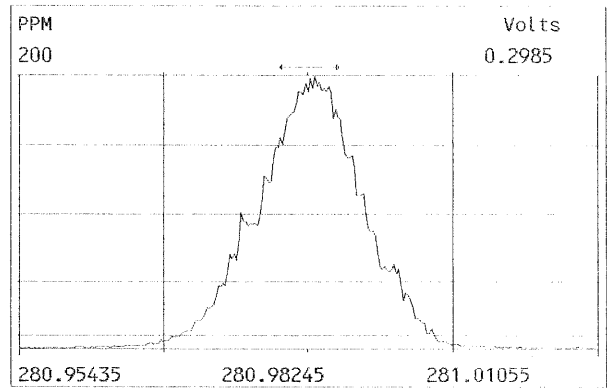


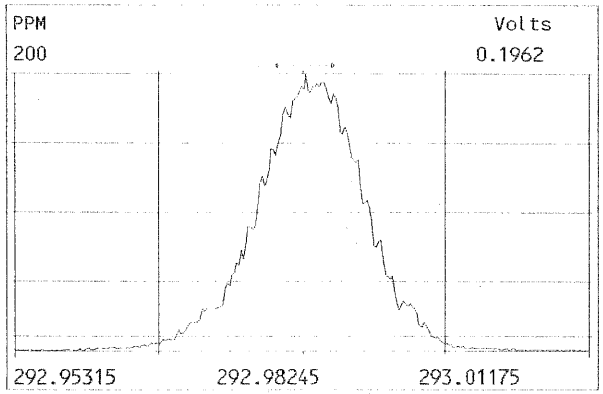


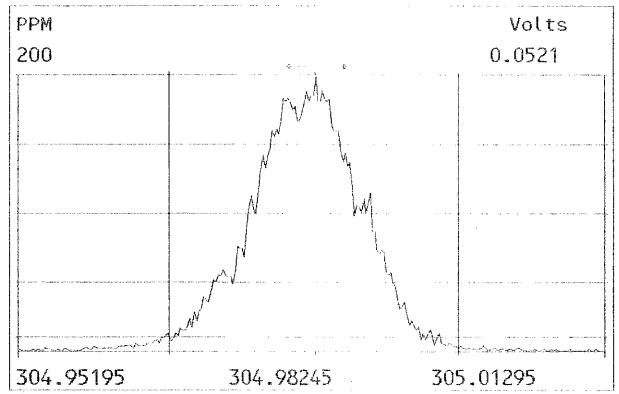
Peak Locate Examination:10-NOV-2020:07:26 File:10NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

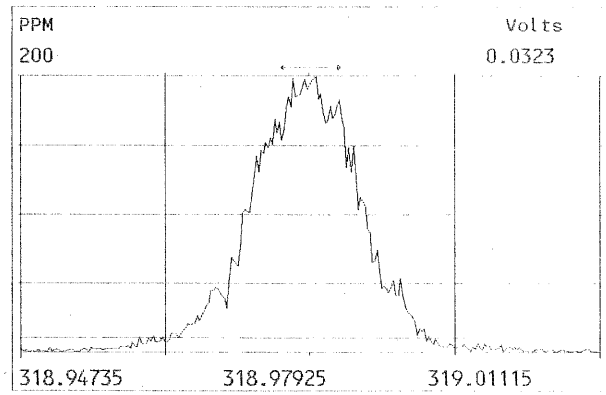


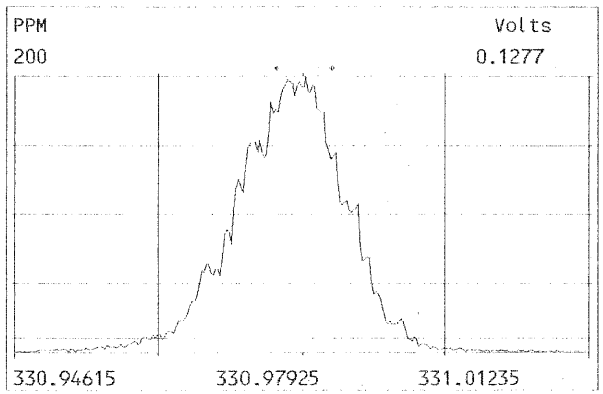


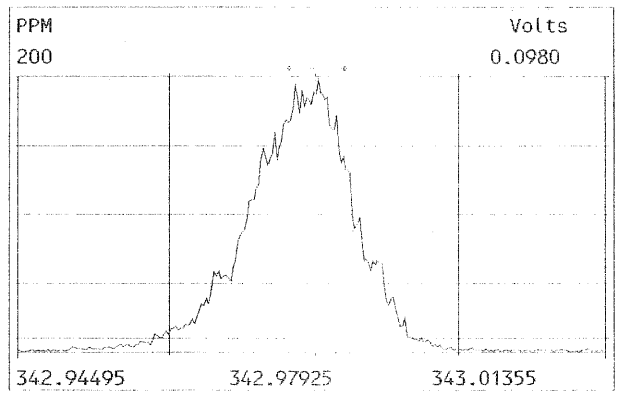






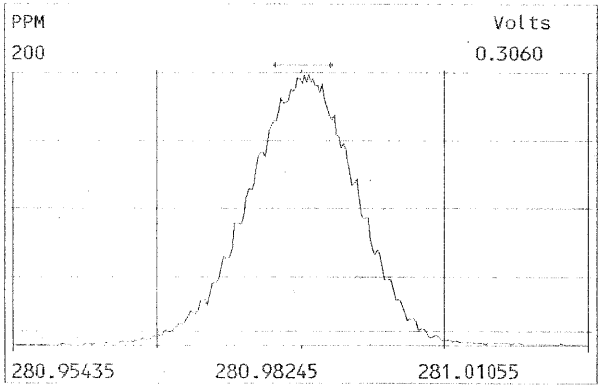


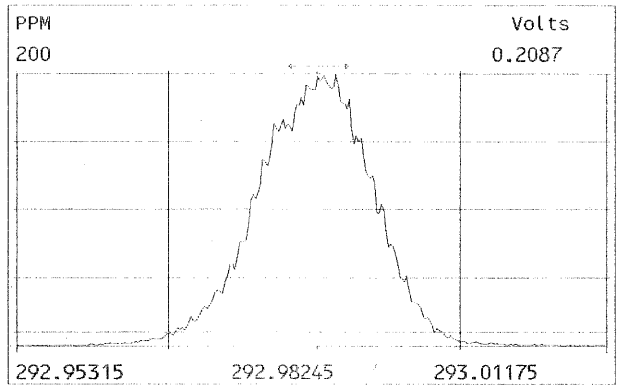


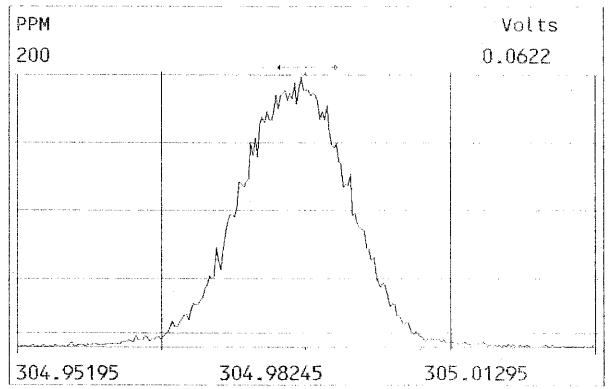


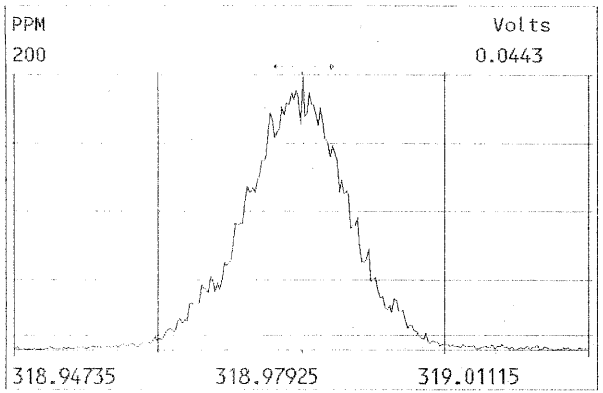
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z

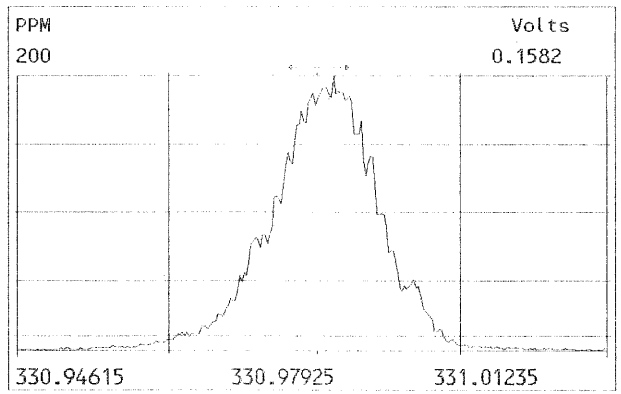
Experiment:1668PCB Function:4 Reference:PFK

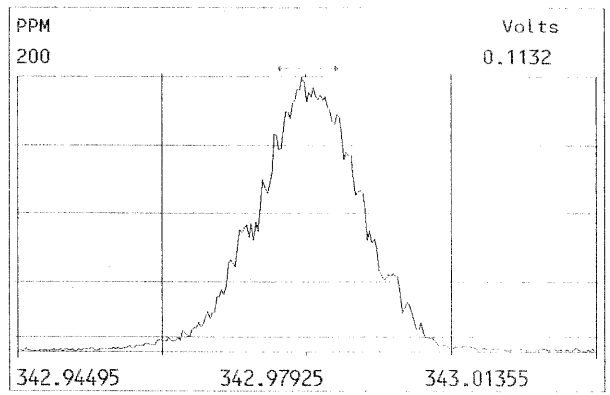


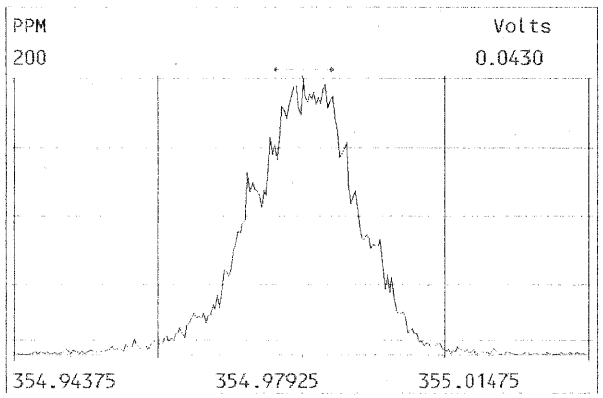


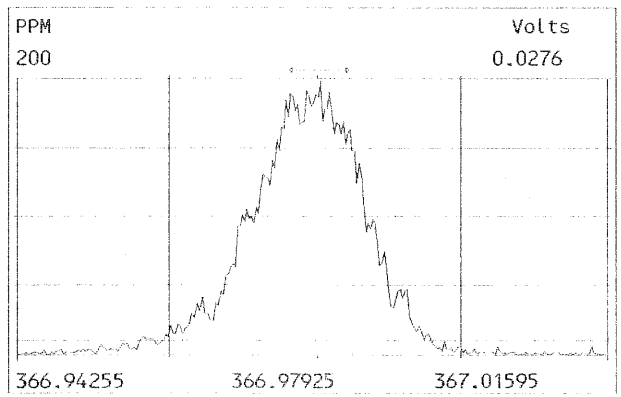


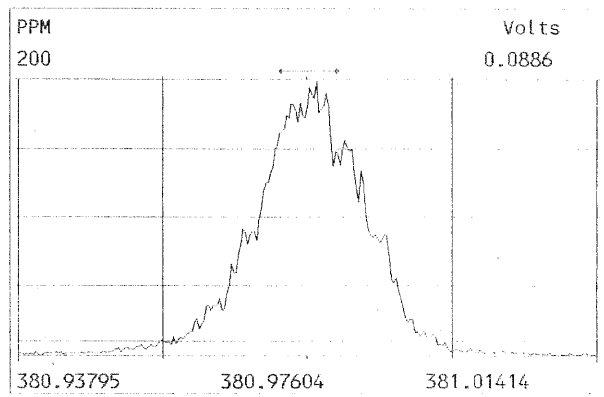




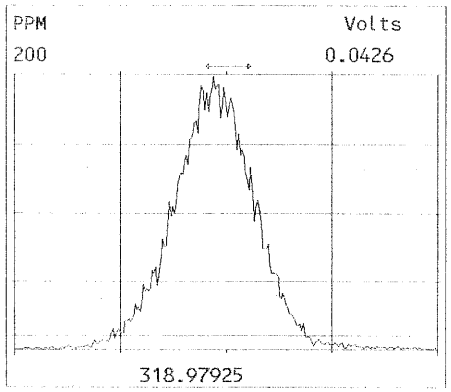


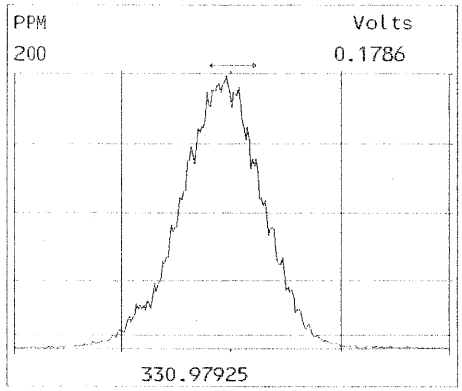


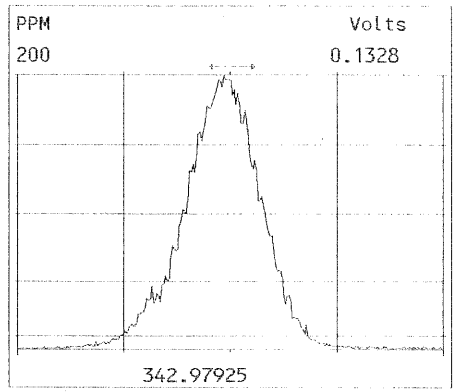


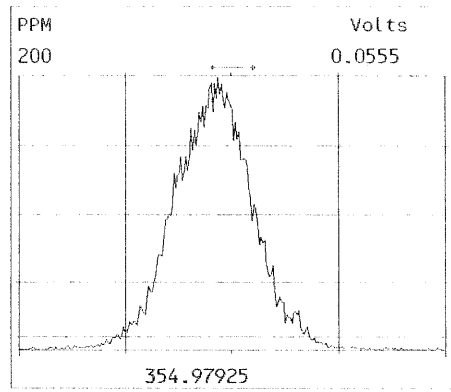


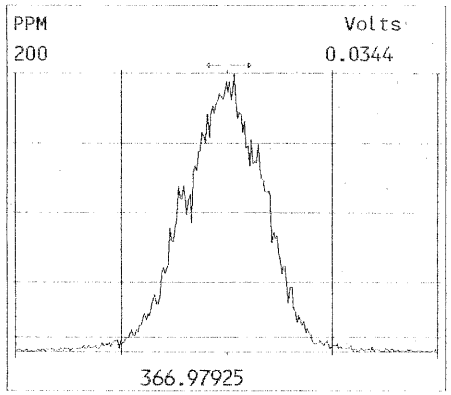
Peak Locate Examination:10-NOV-2020:07:27 File:10NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

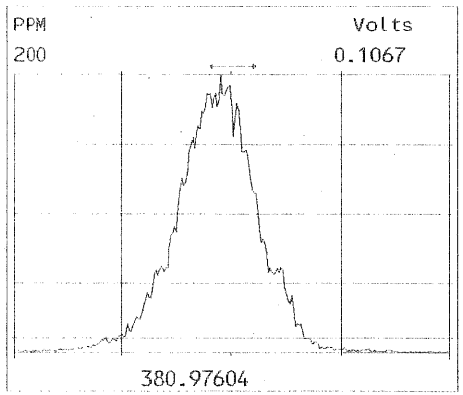


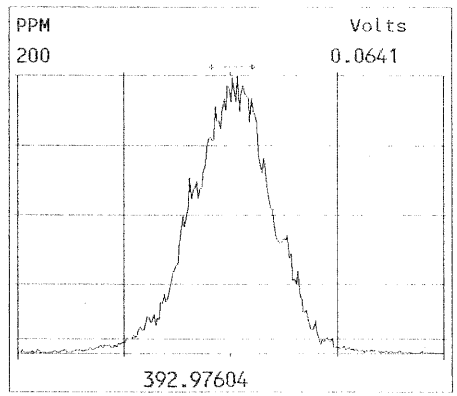


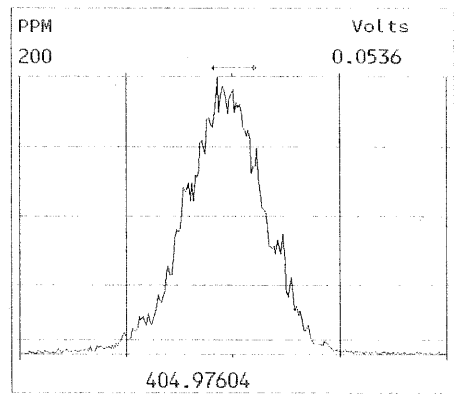


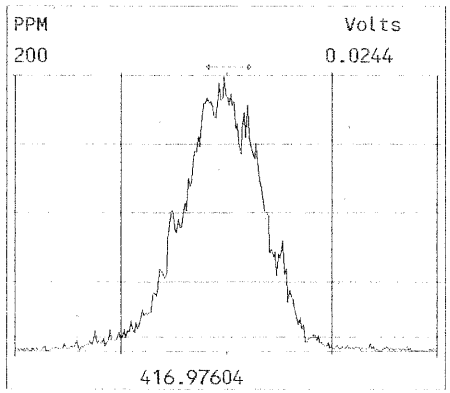


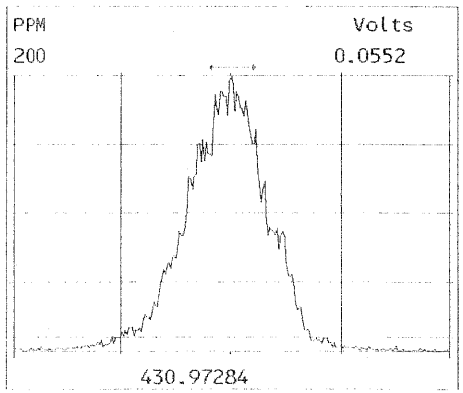


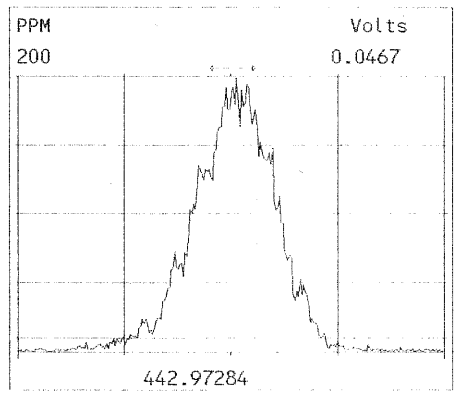




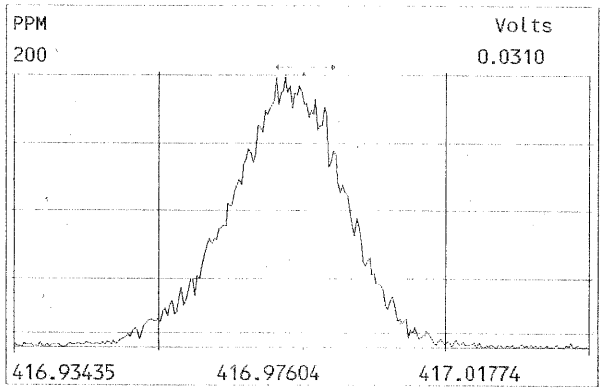


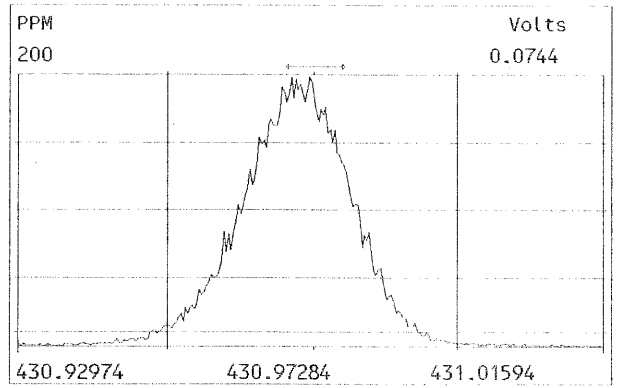


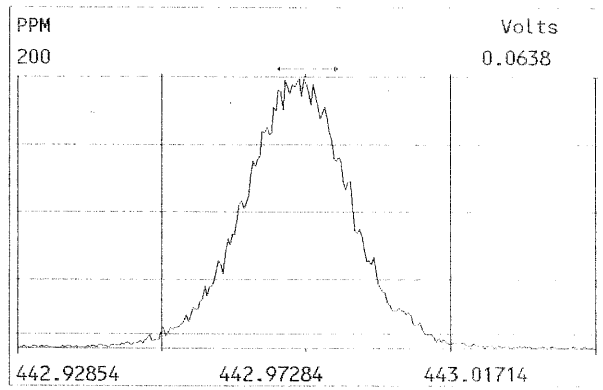


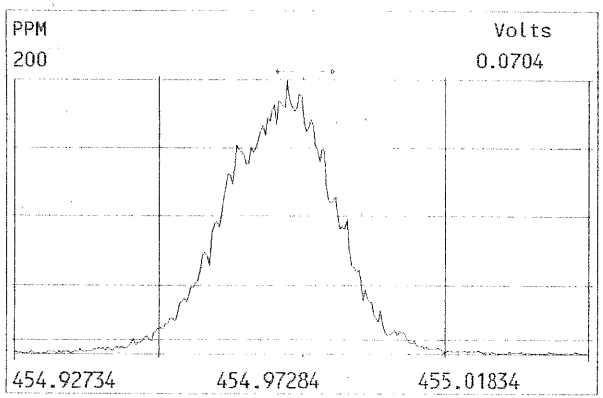


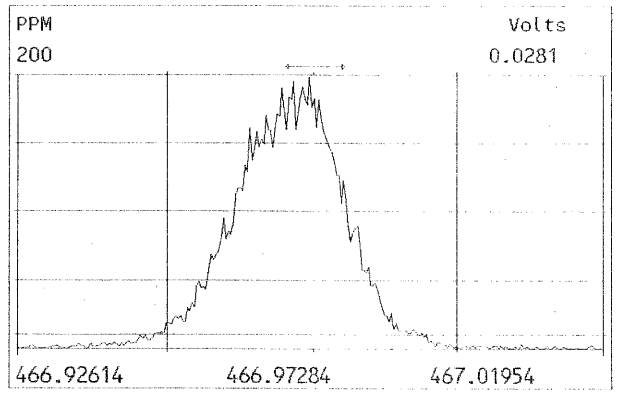
Peak Locate Examination:10-NOV-2020:07:28 File:10NOV20Z
Experiment:1668PCB Function:6 Reference:PFK

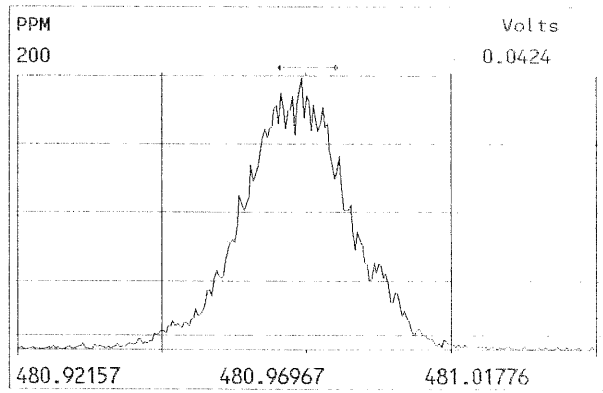


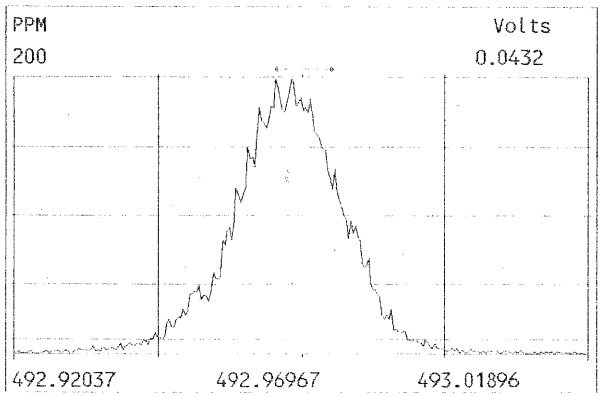


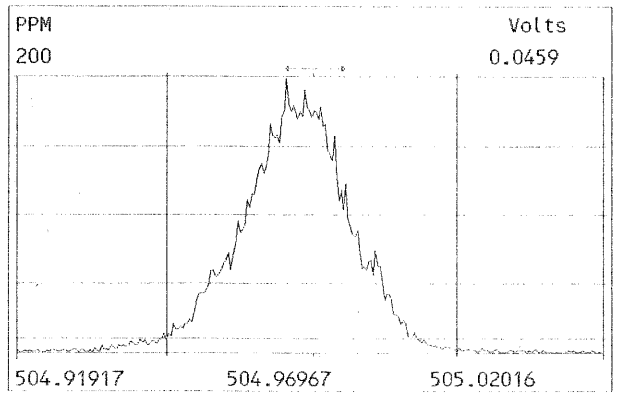


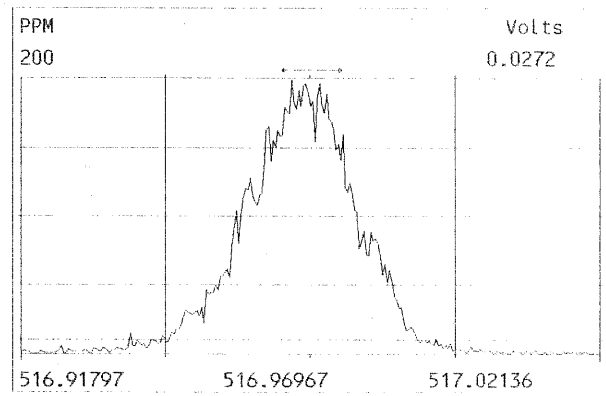




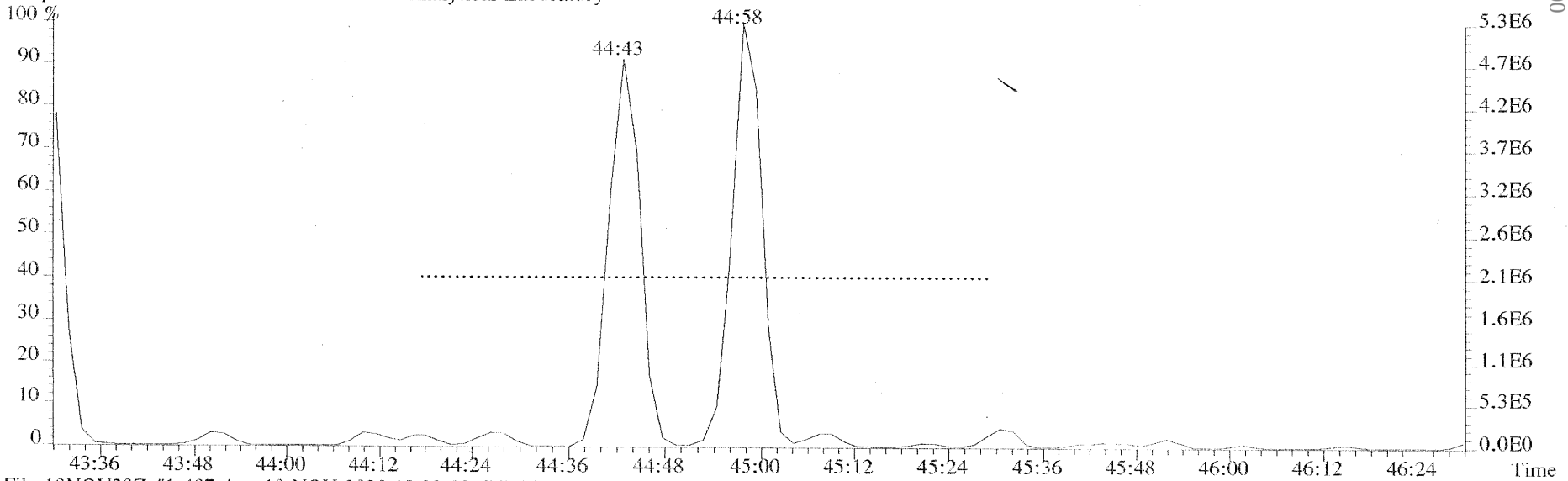




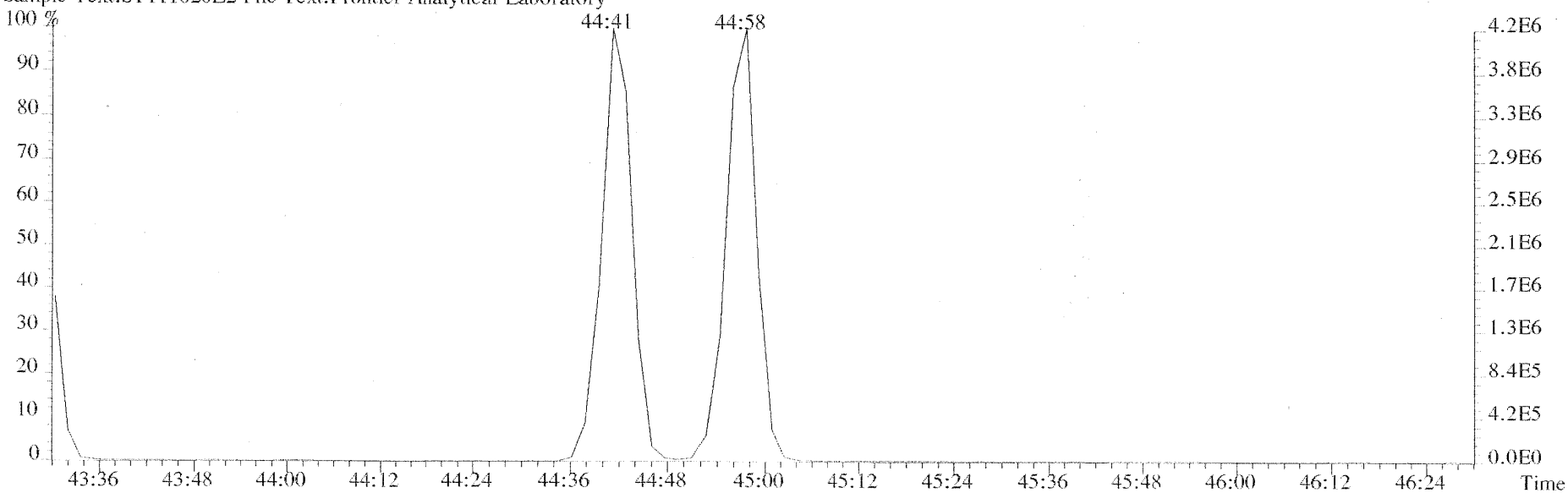




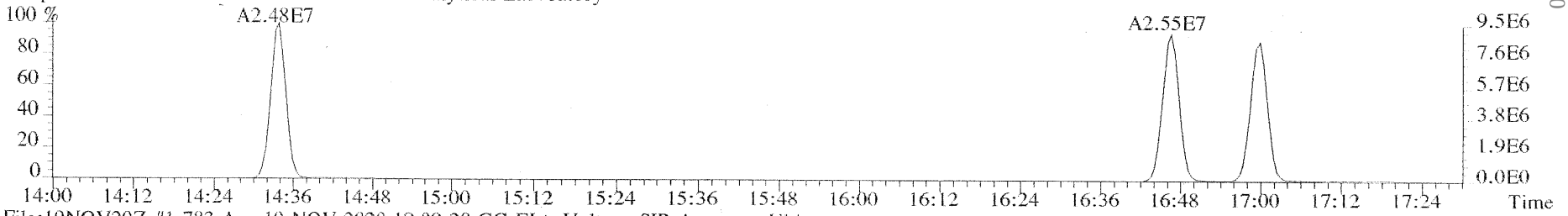
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



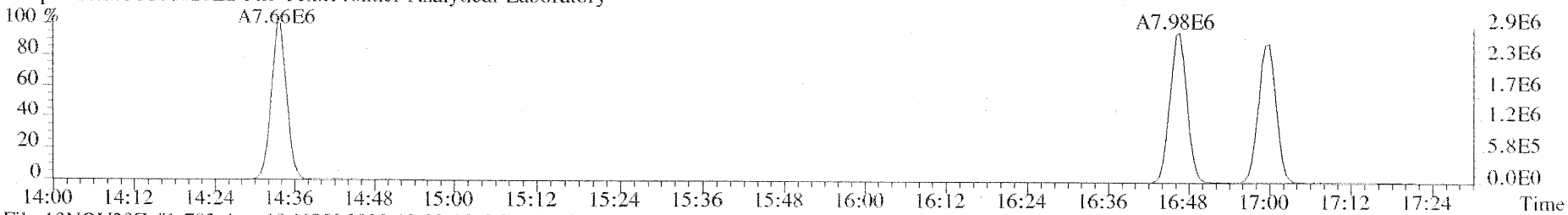
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



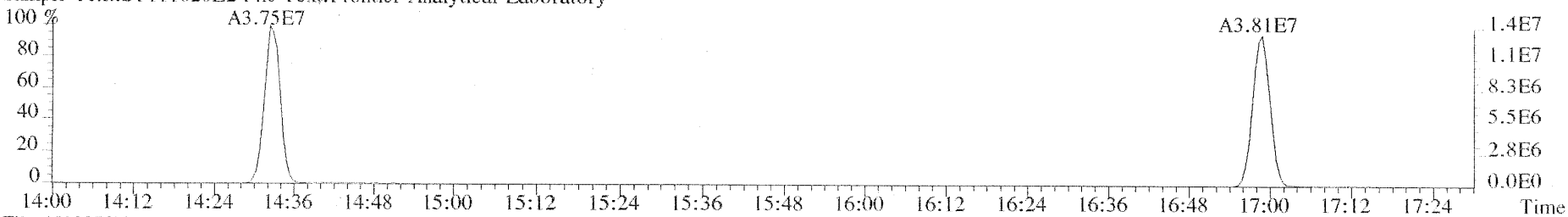
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



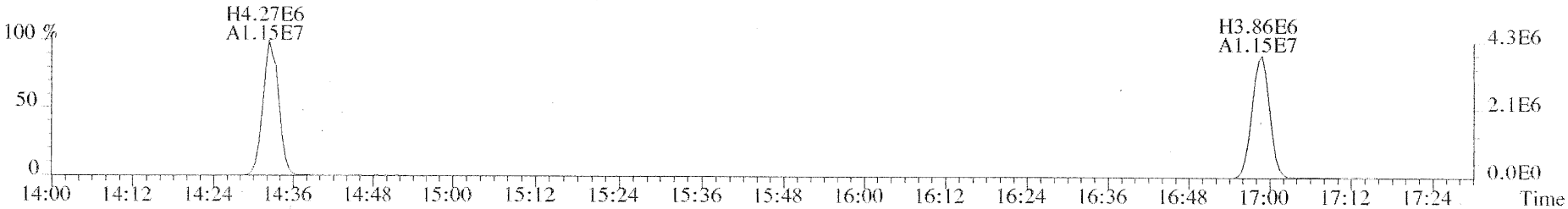
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



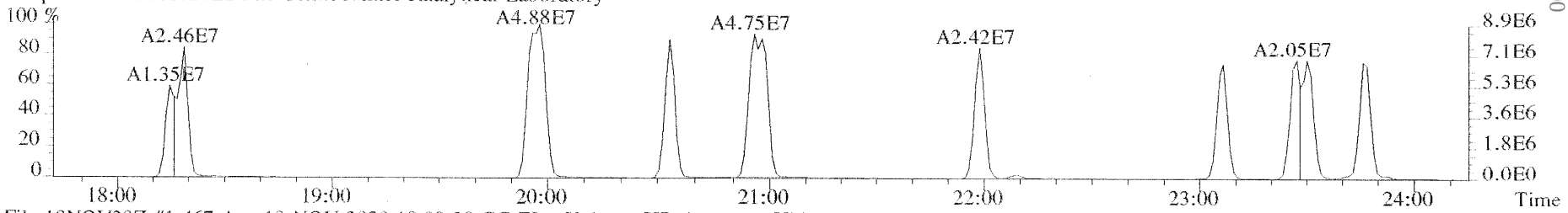
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



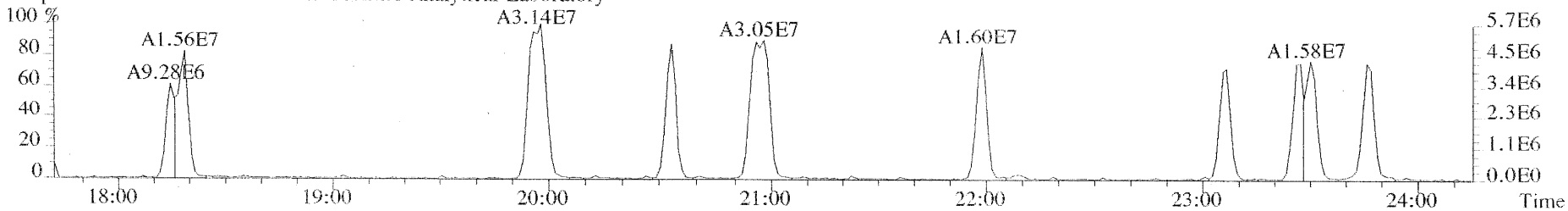
File:10NOV20Z #1-783 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:13 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



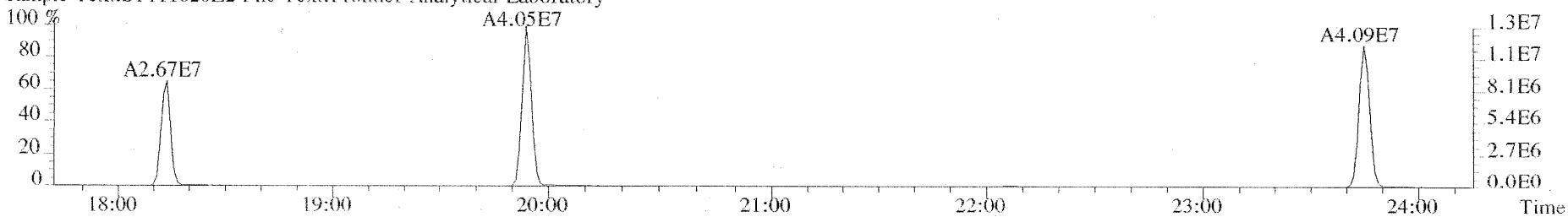
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



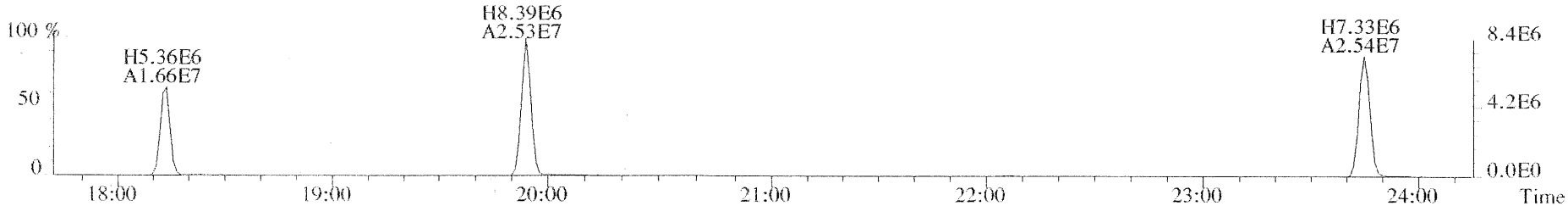
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



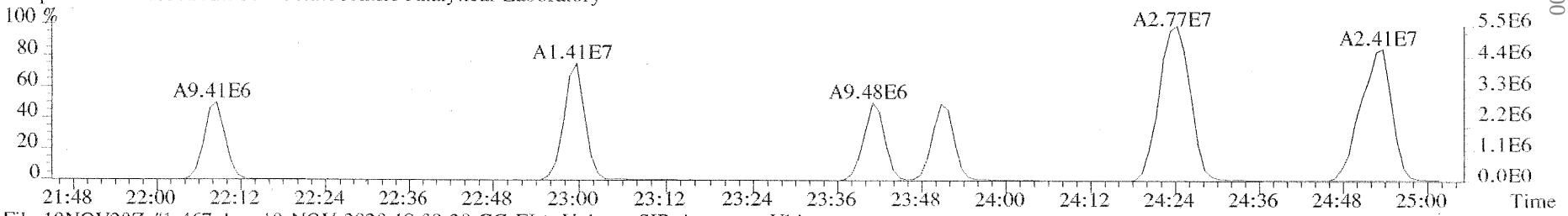
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



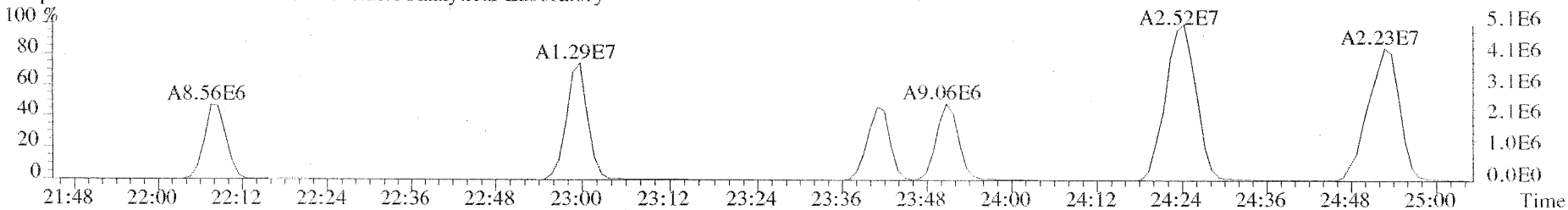
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:13 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



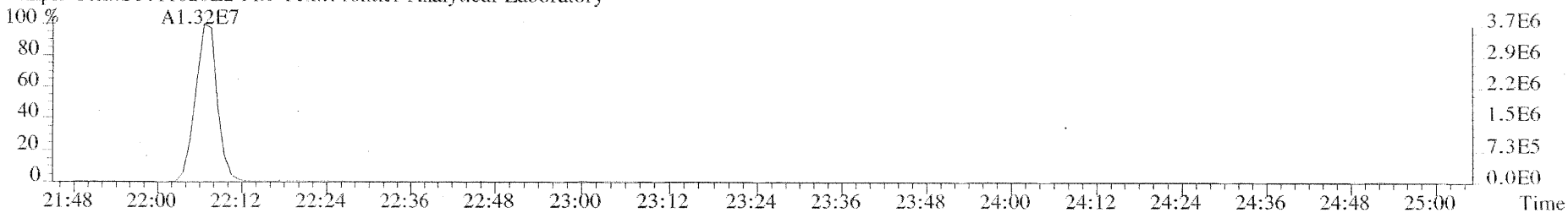
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



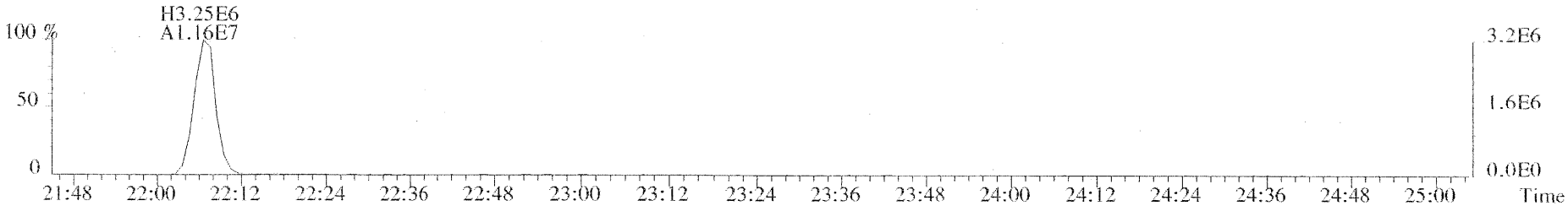
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



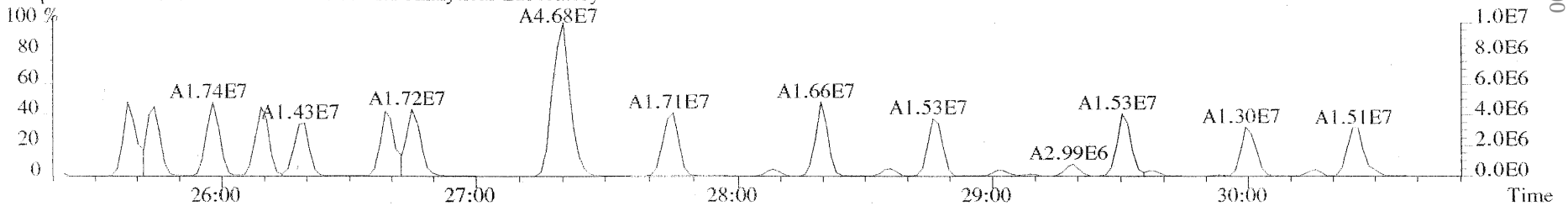
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



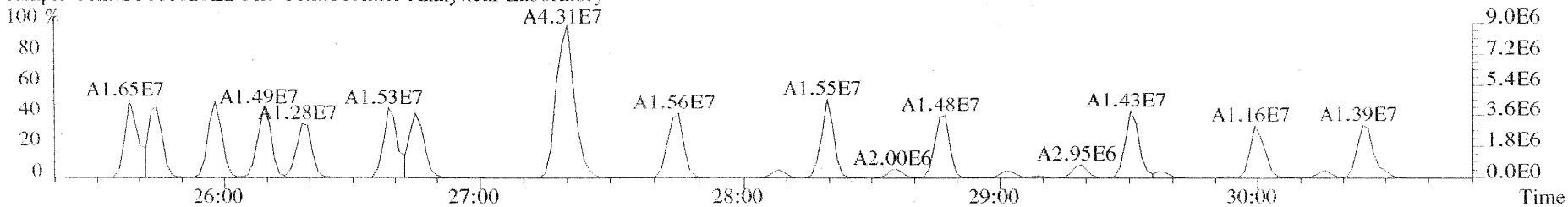
File:10NOV20Z #1-467 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



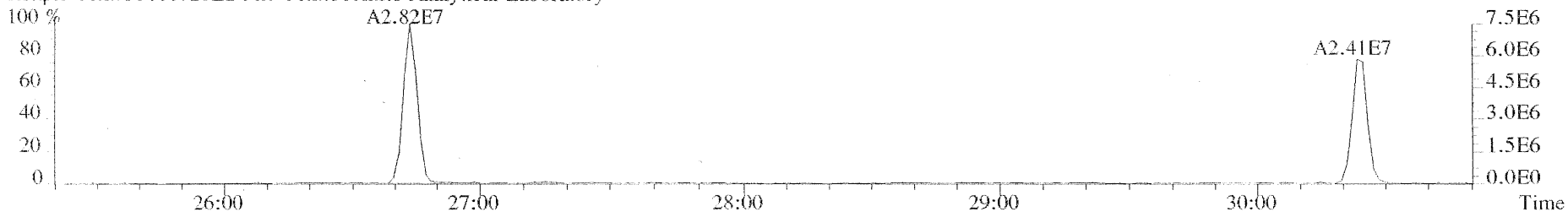
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



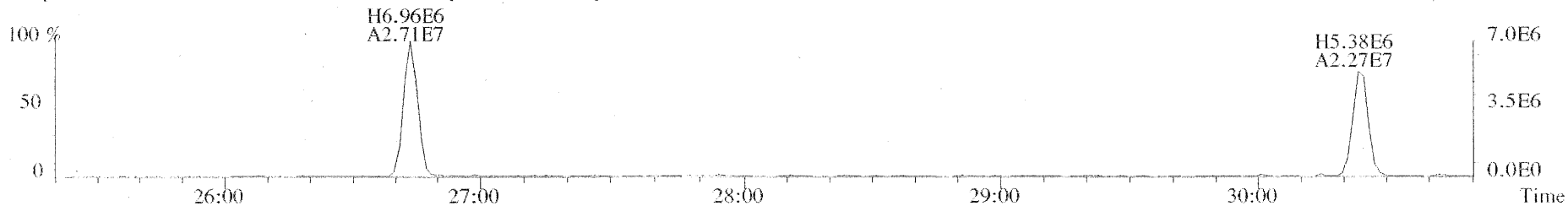
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



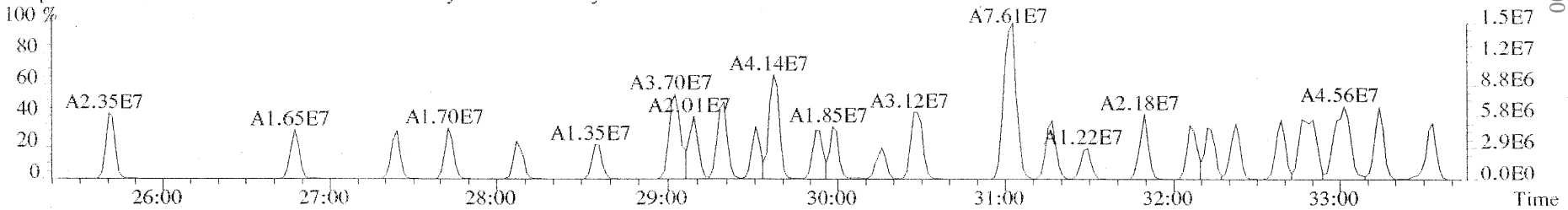
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



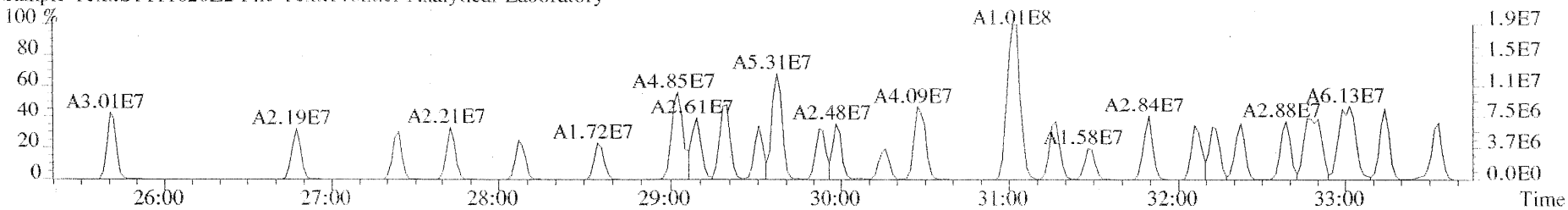
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



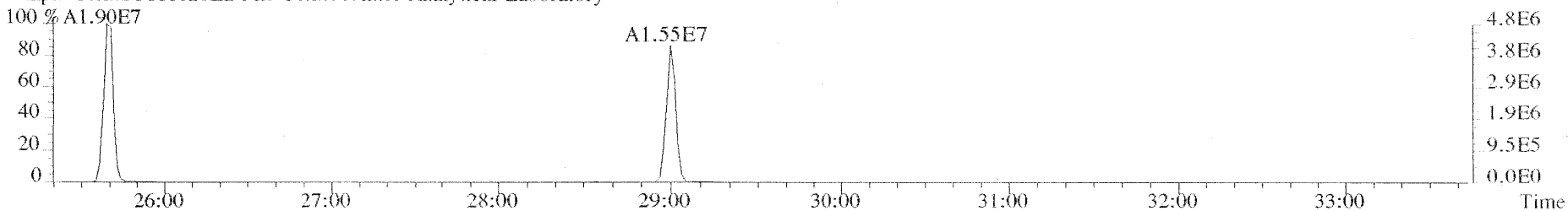
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



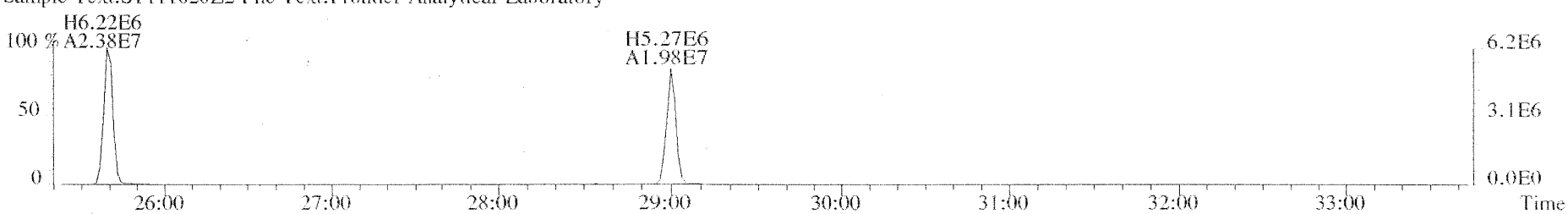
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



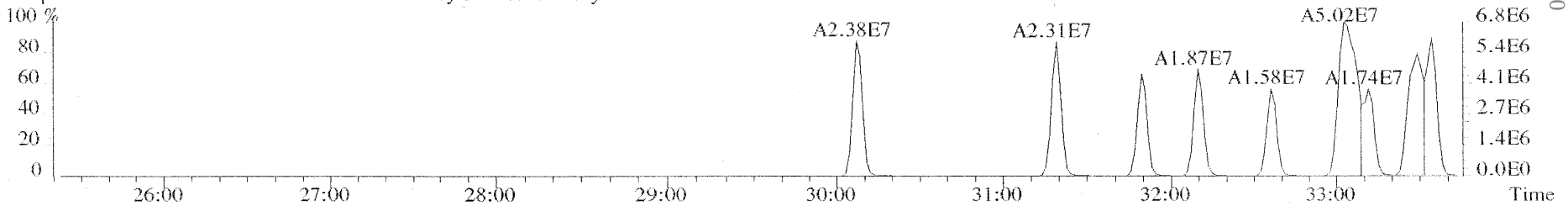
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



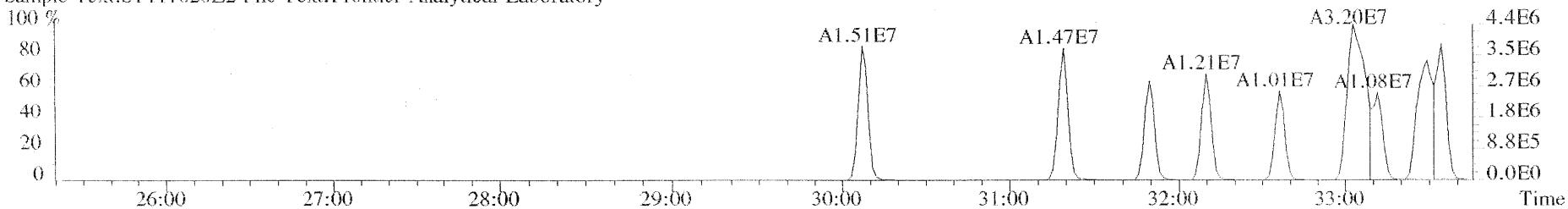
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



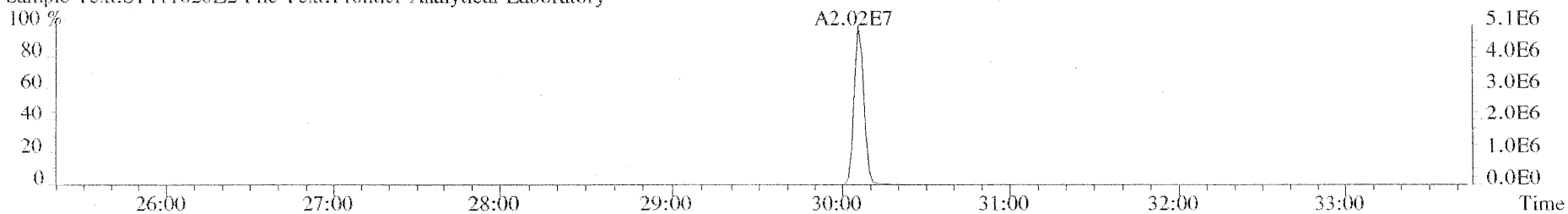
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



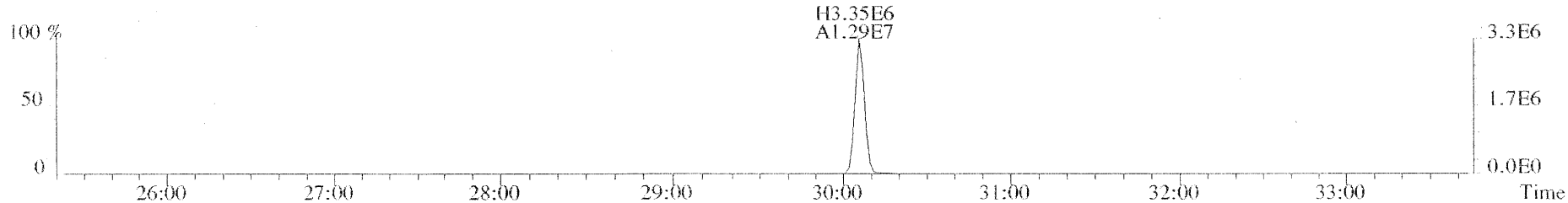
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



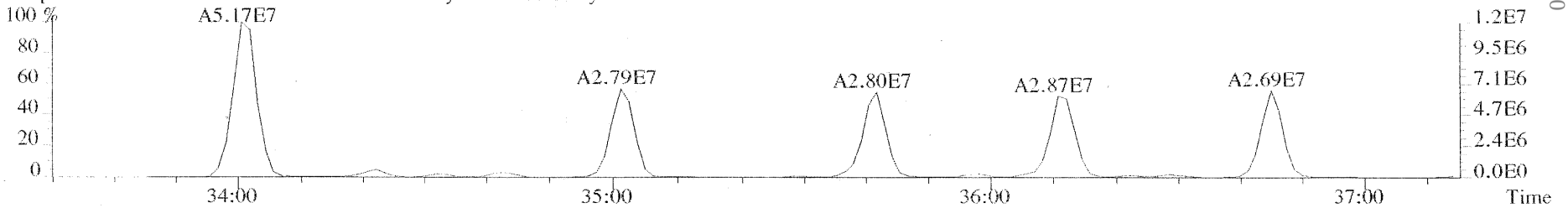
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



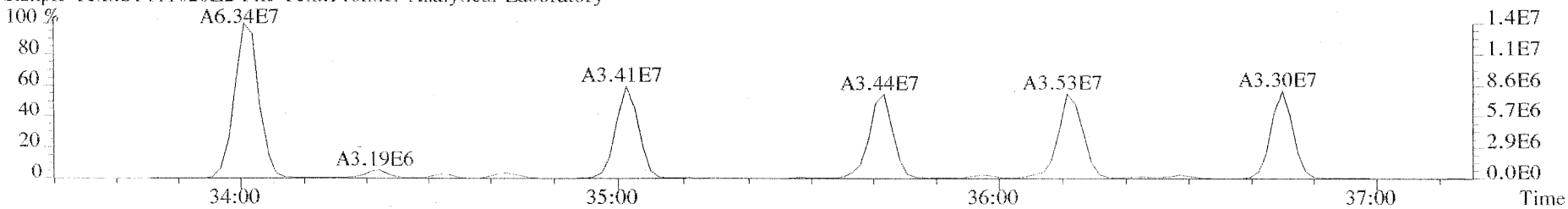
File:10NOV20Z #1-397 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



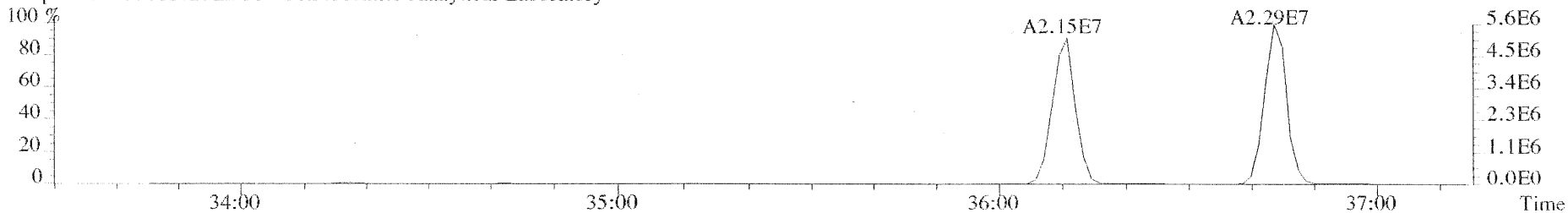
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



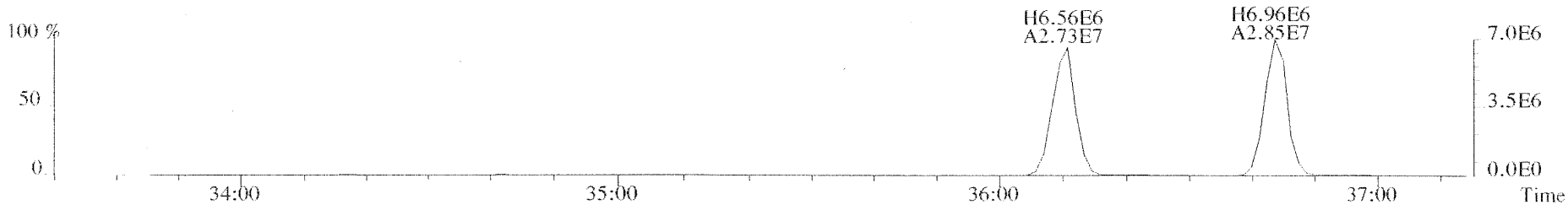
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



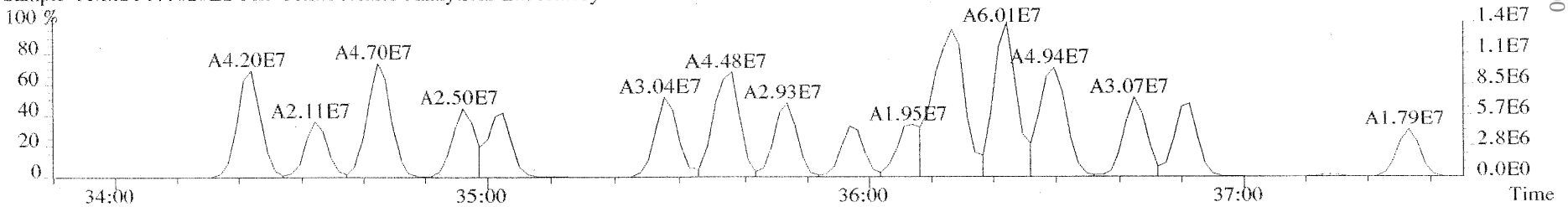
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



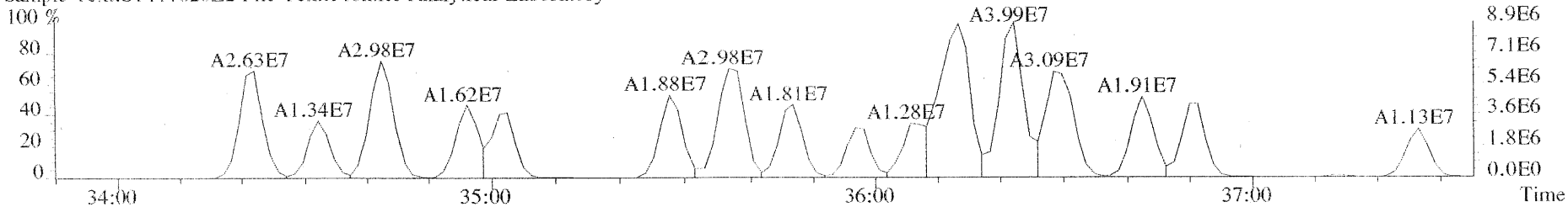
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



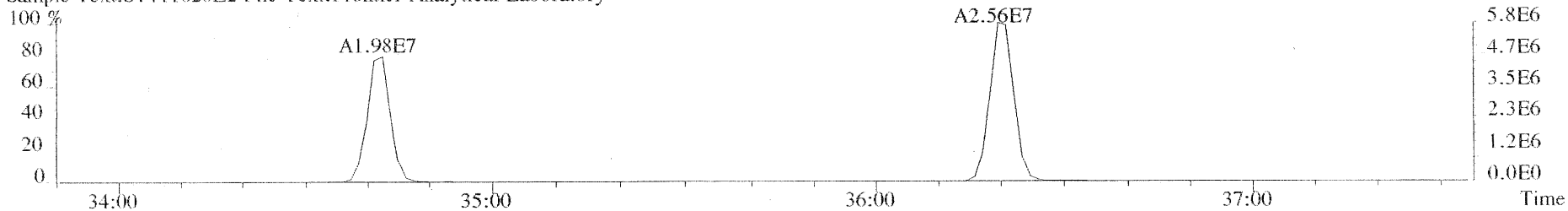
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



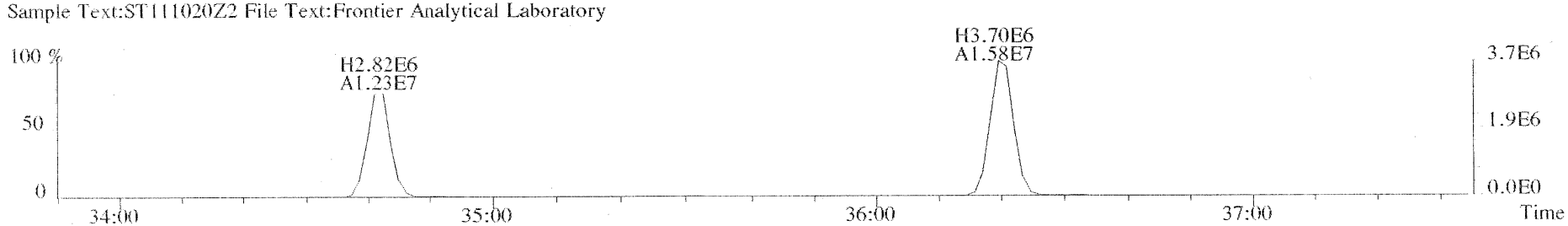
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



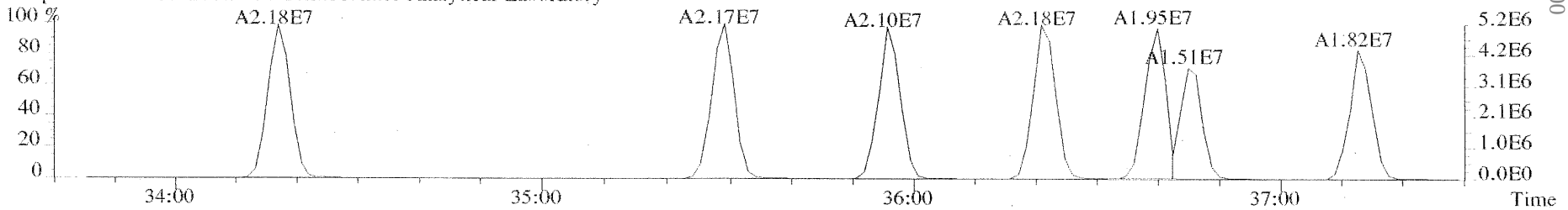
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



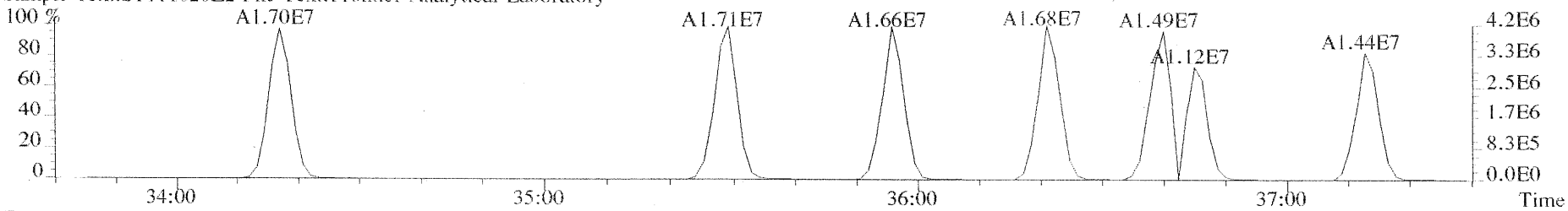
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



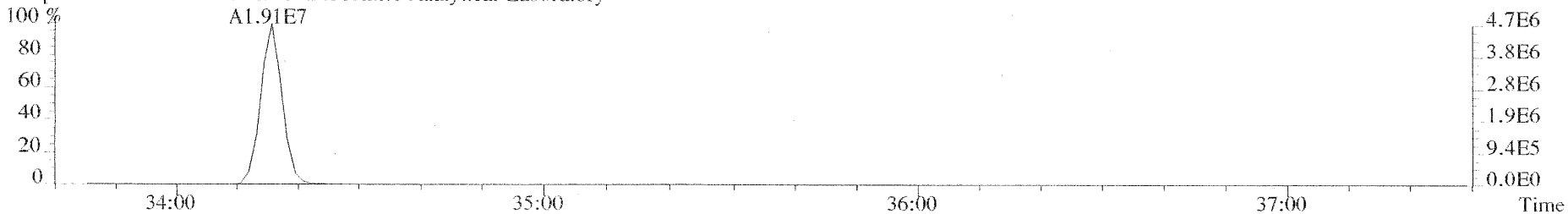
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



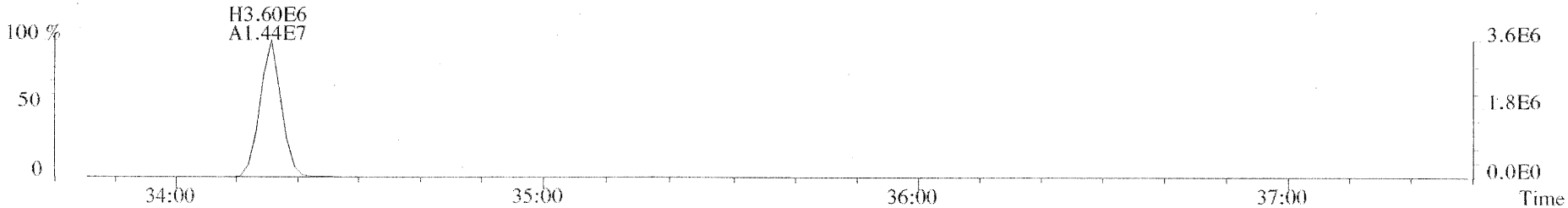
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



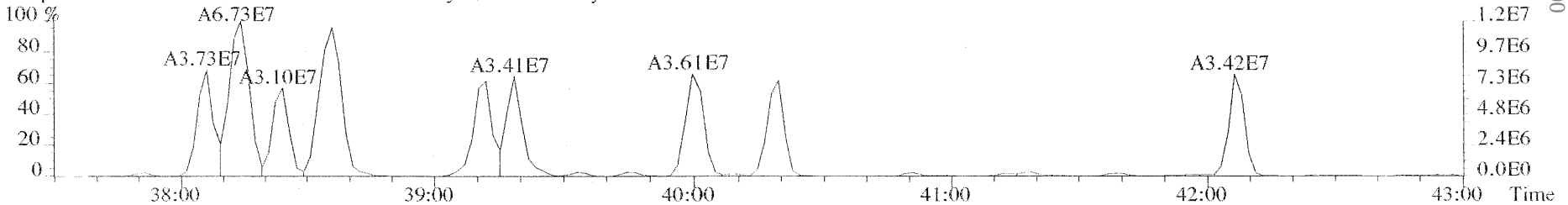
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



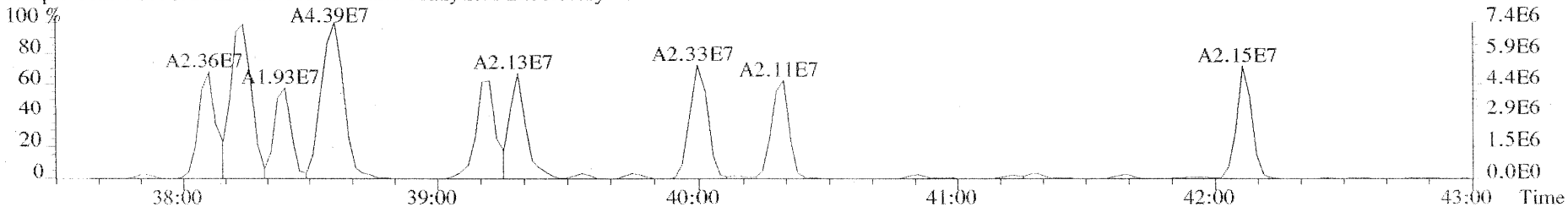
File:10NOV20Z #1-183 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



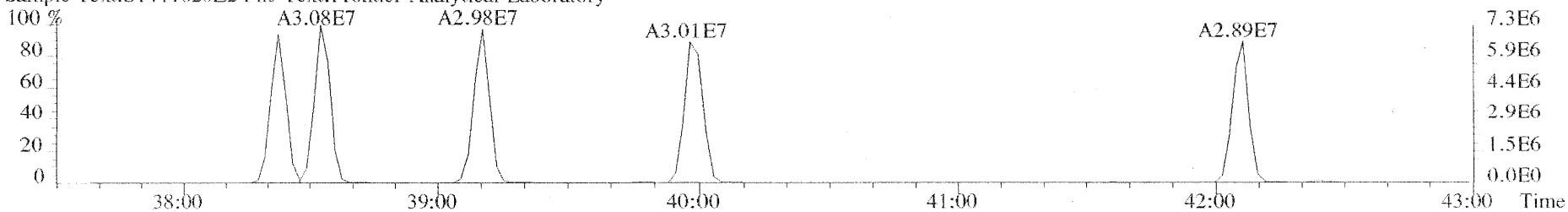
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



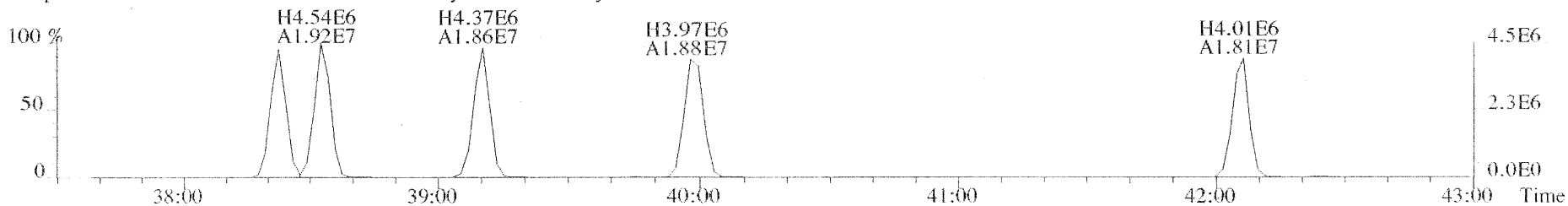
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



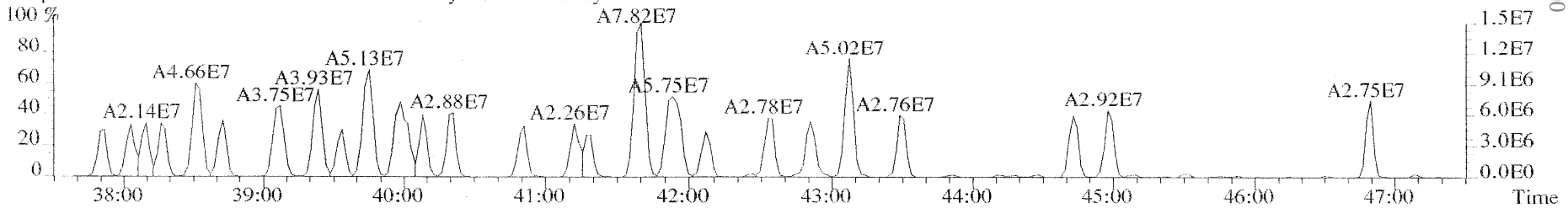
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



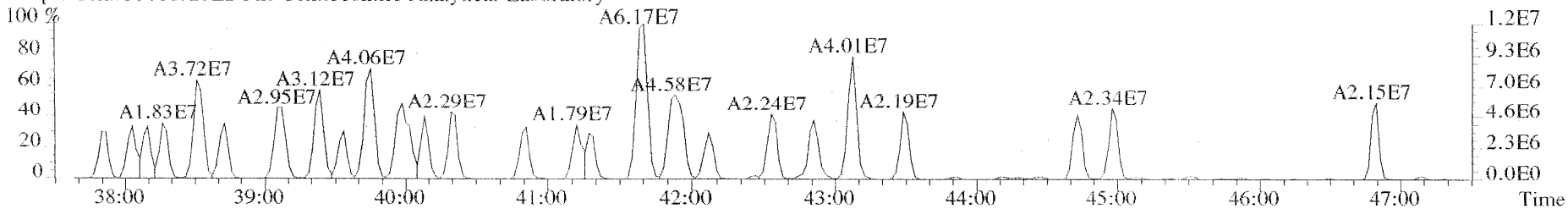
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



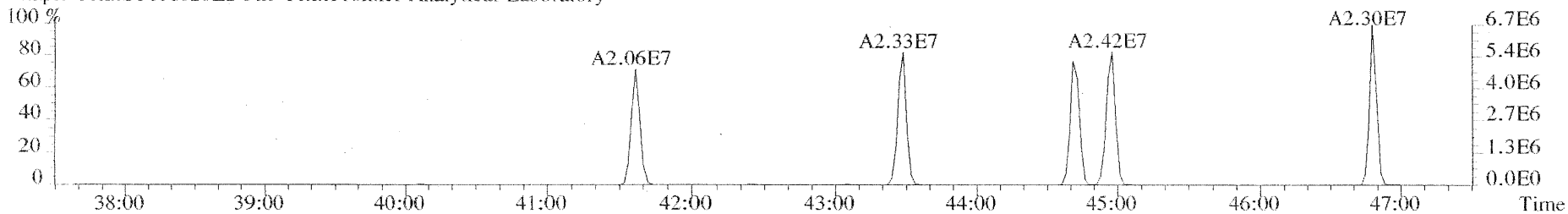
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



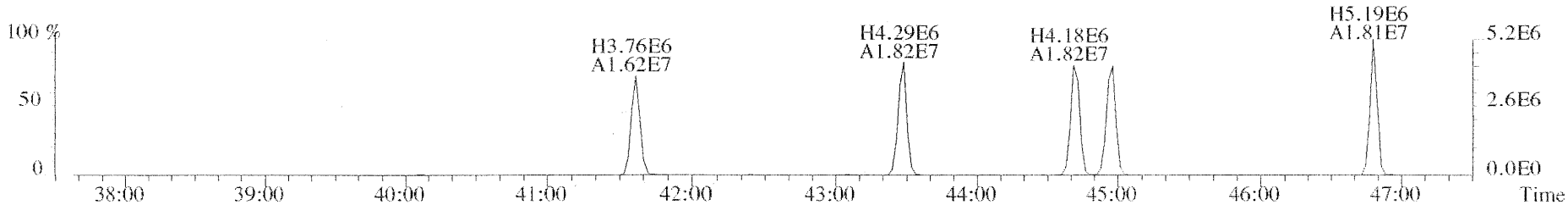
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



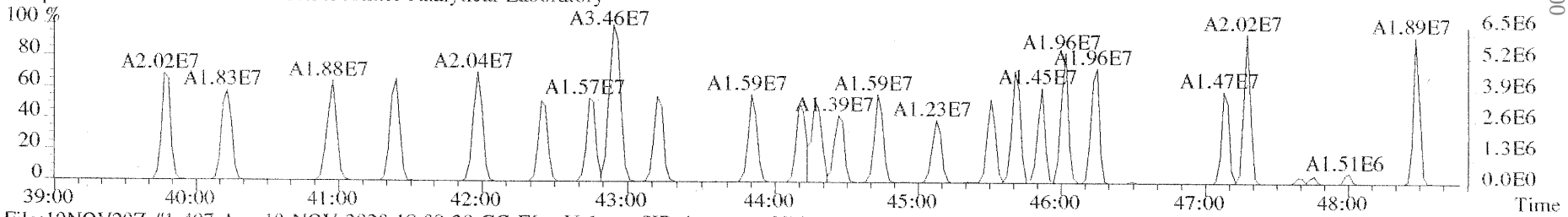
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



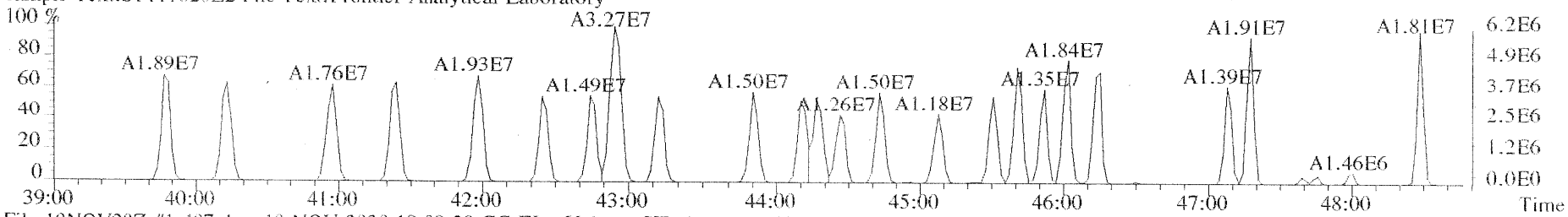
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



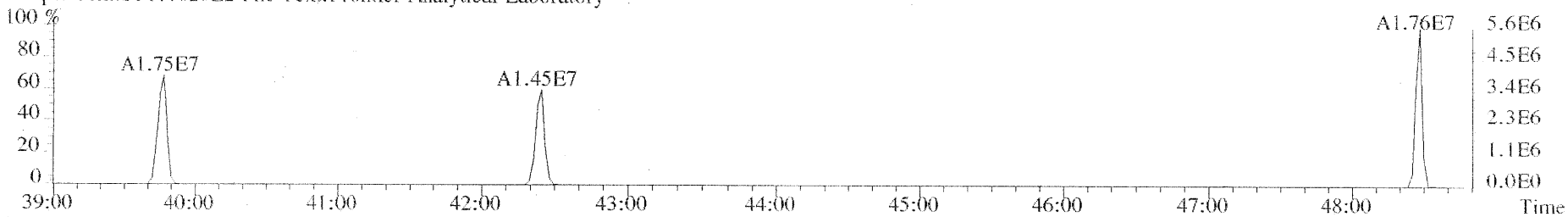
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



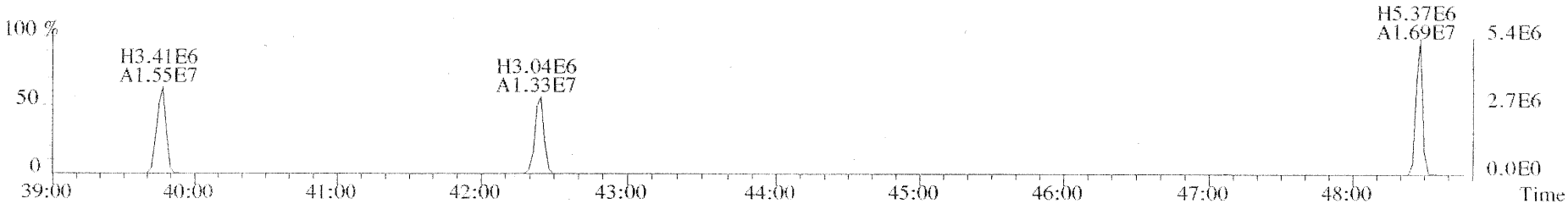
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



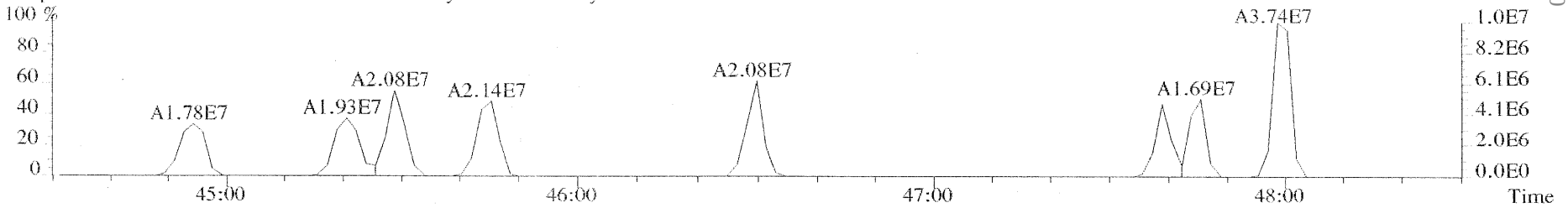
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



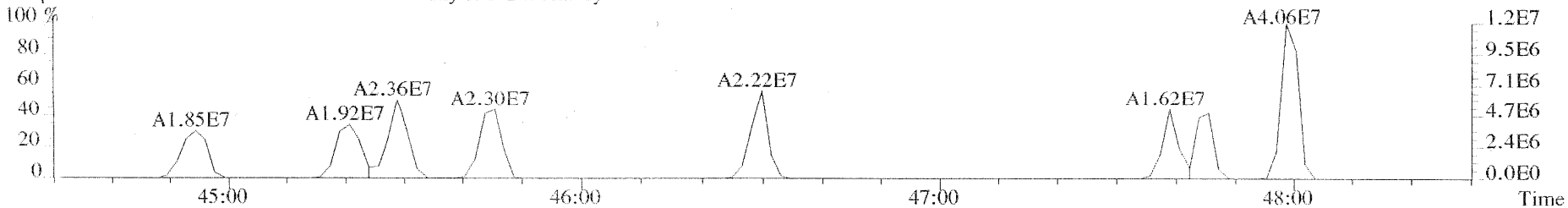
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



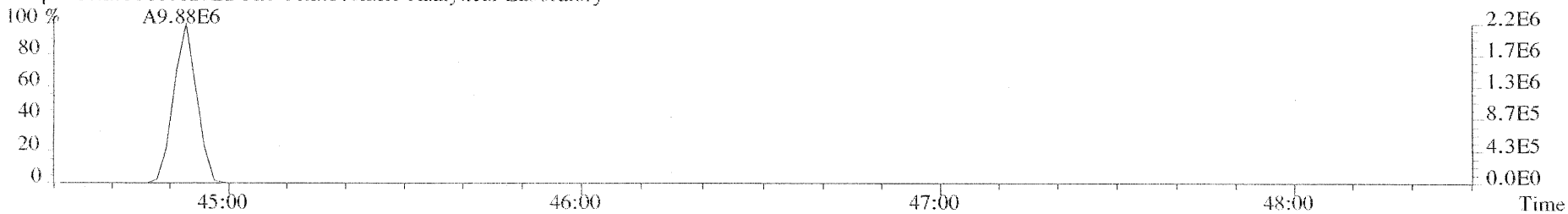
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



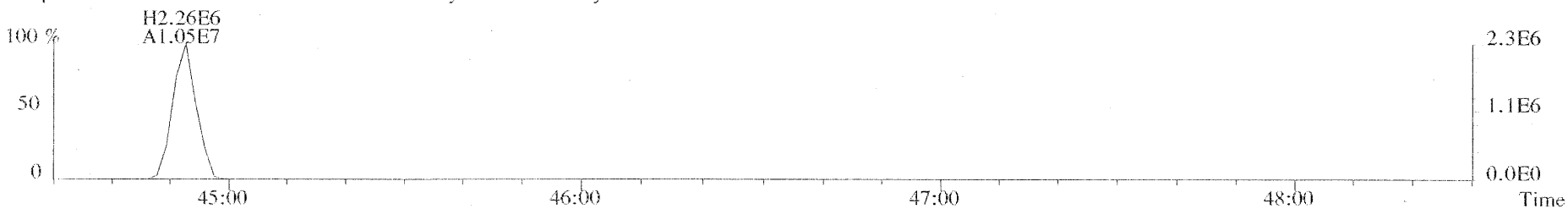
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



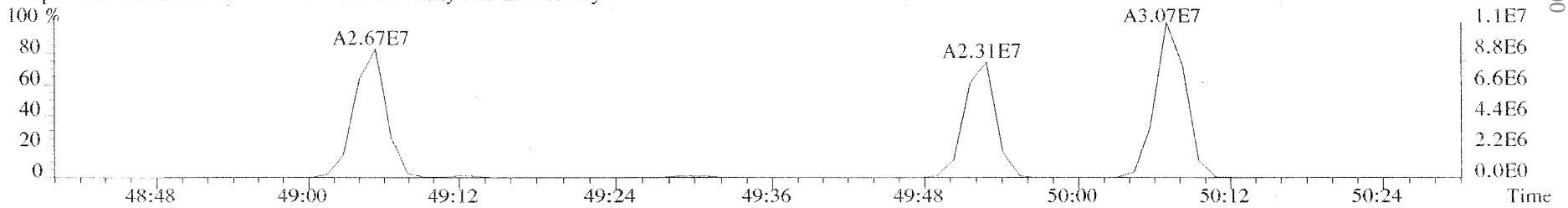
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



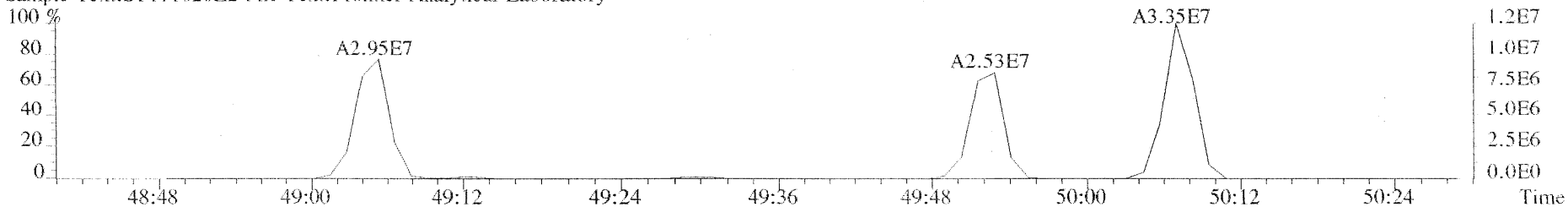
File:10NOV20Z #1-407 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



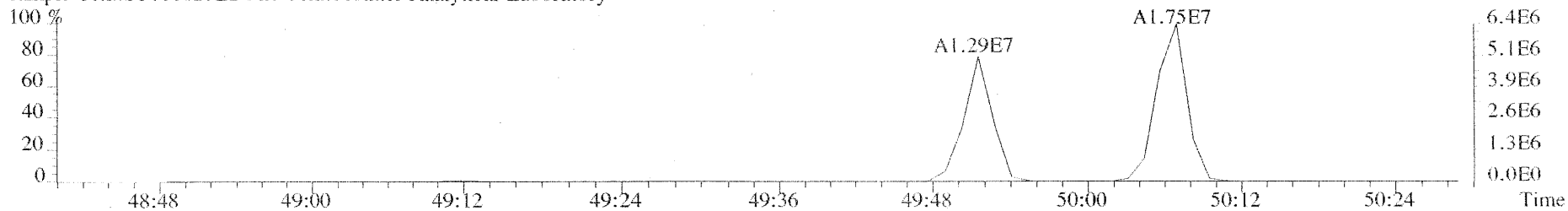
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



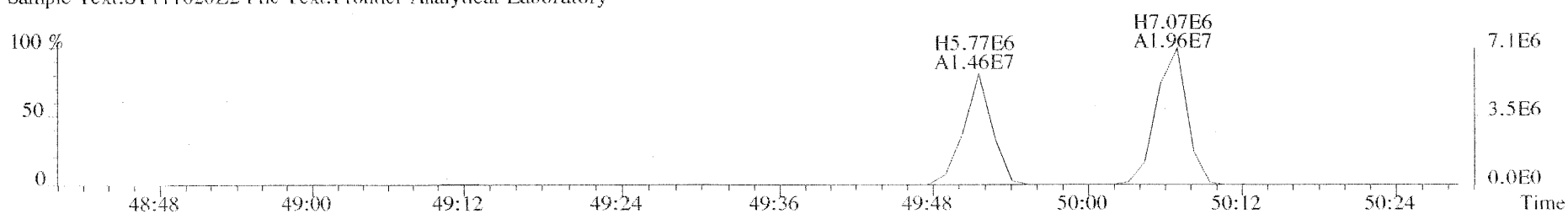
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



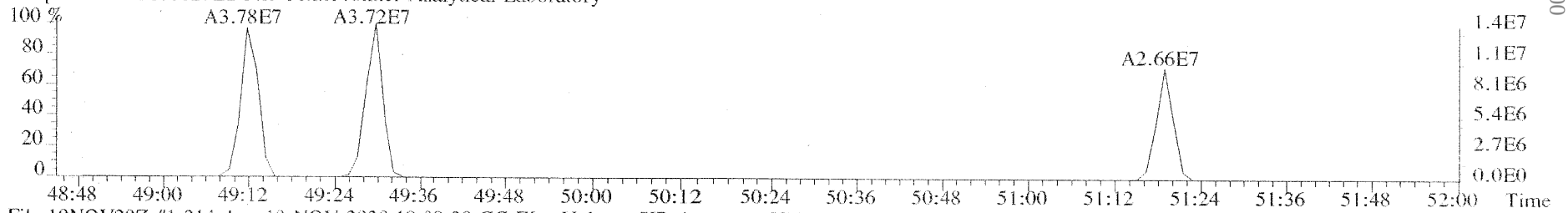
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



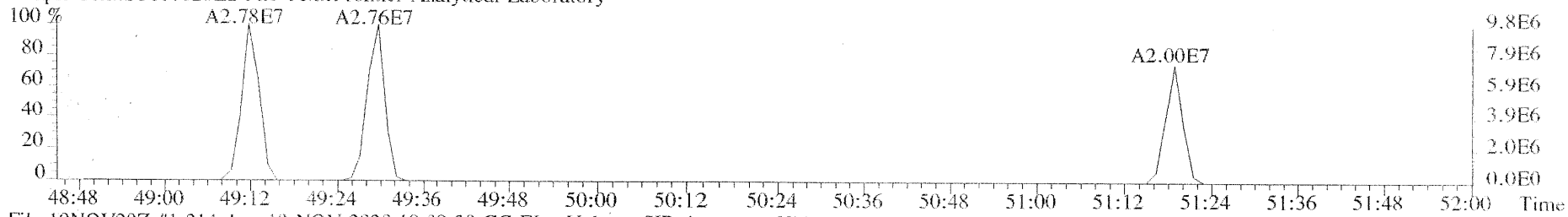
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



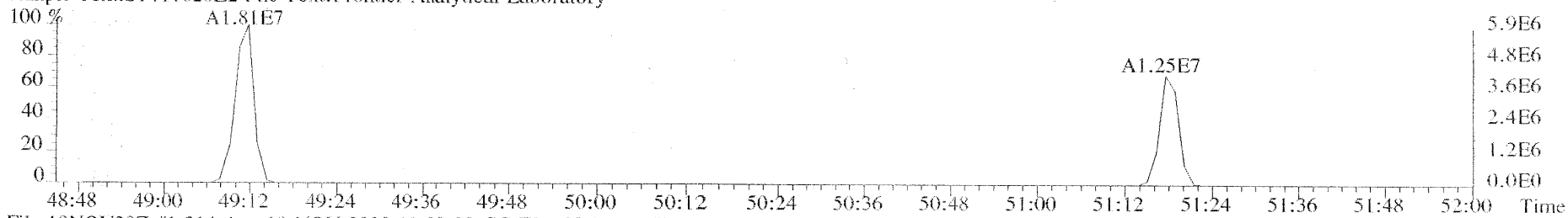
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



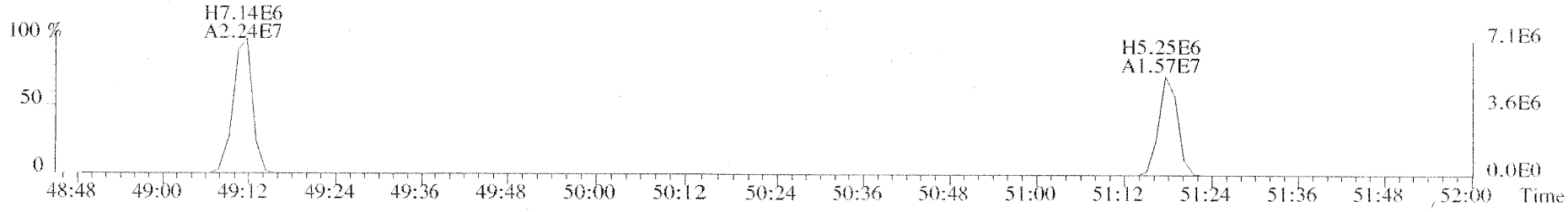
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



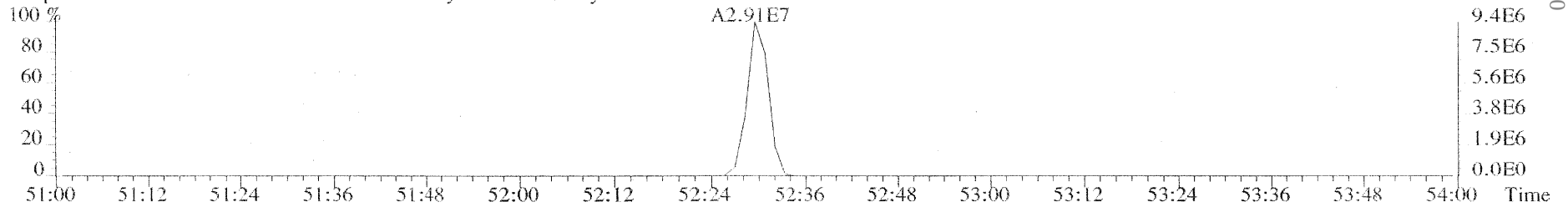
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



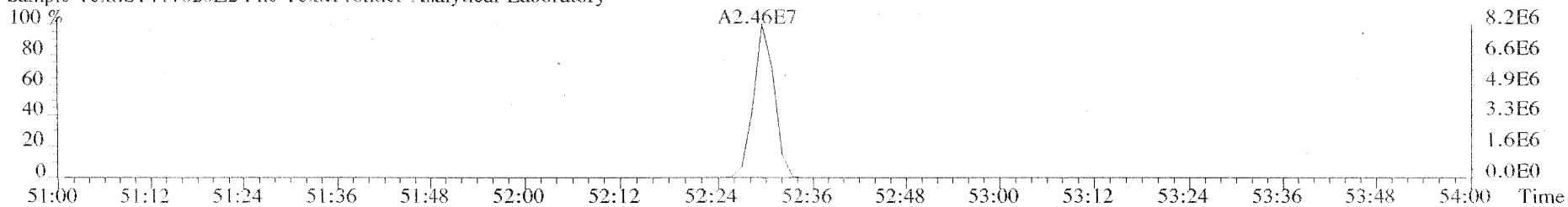
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



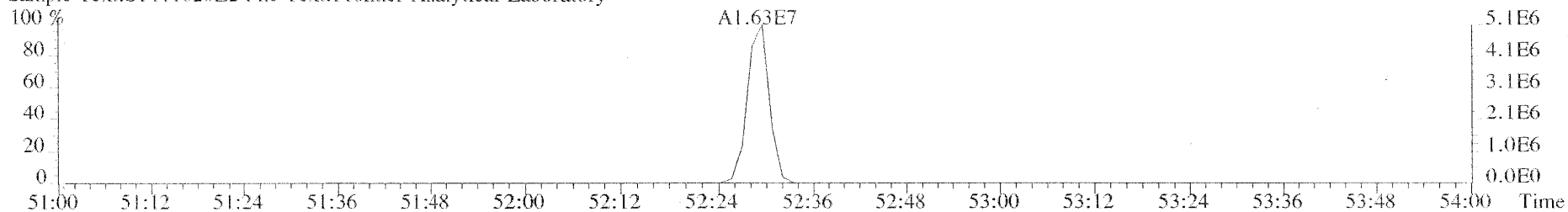
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



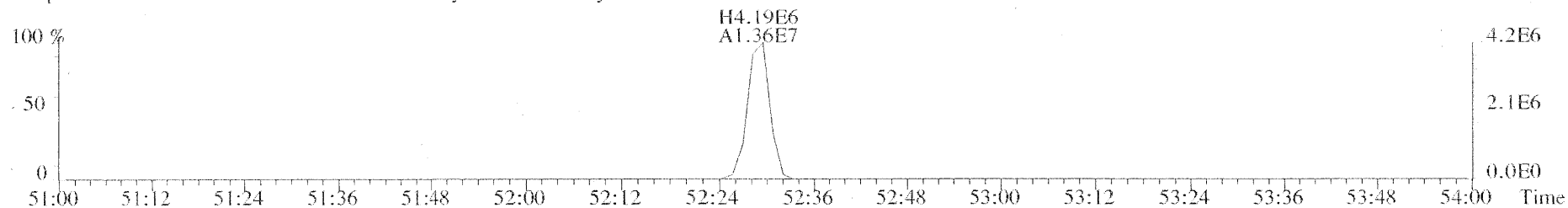
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory



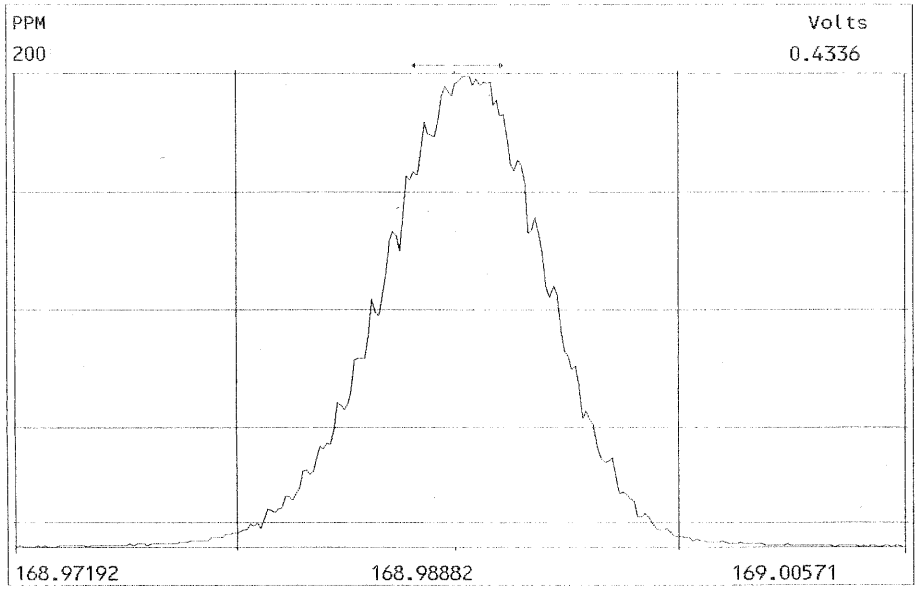
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

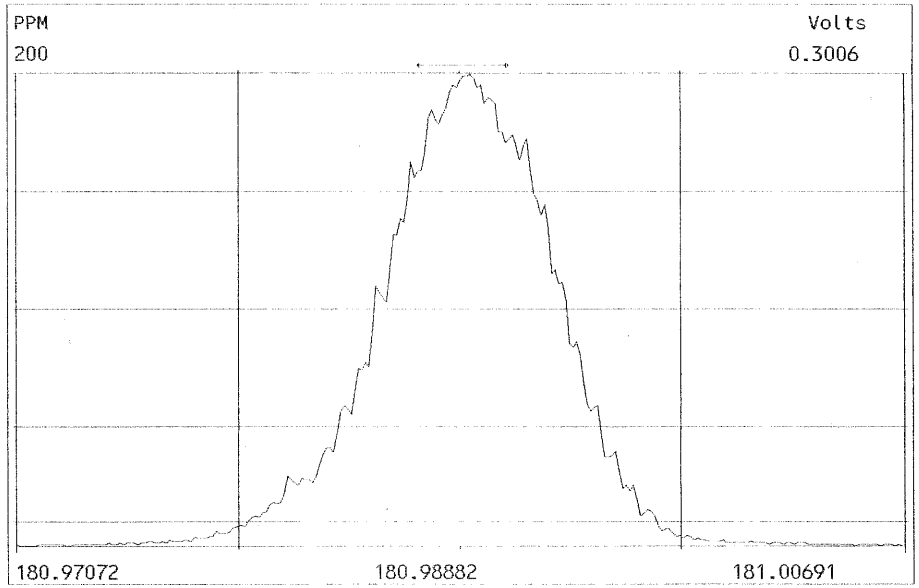


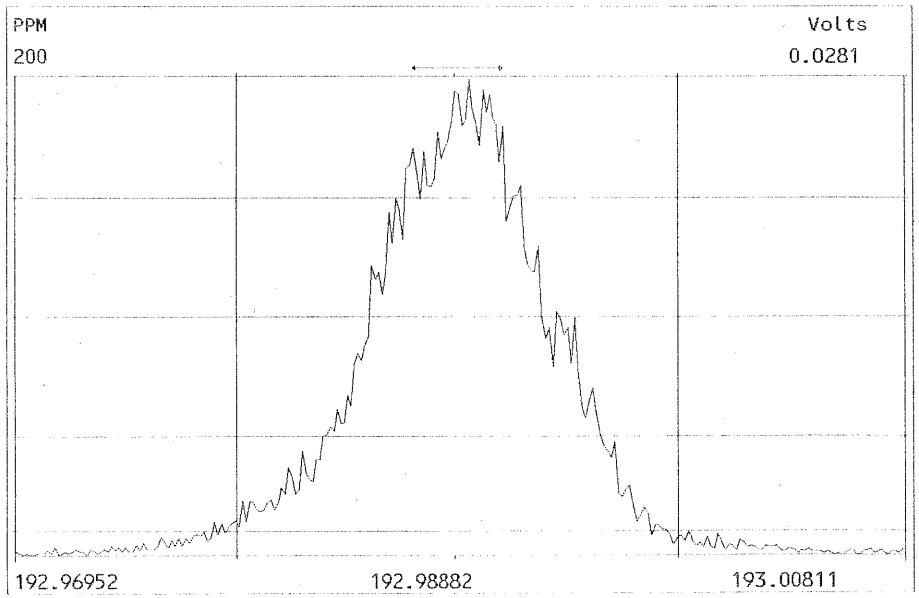
File:10NOV20Z #1-314 Acq:10-NOV-2020 19:09:28 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:13 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST111020Z2 File Text:Frontier Analytical Laboratory

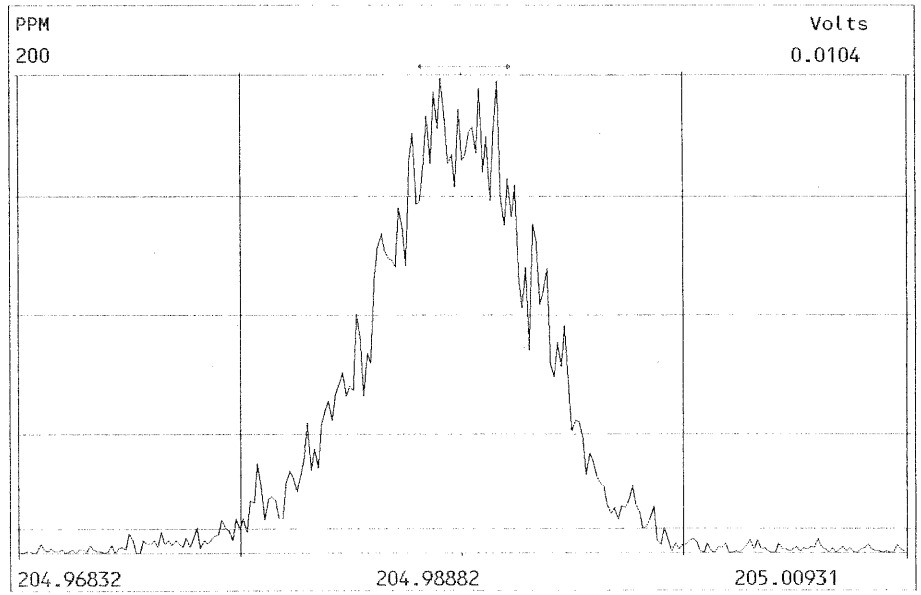


Peak Locate Examination:10-NOV-2020:20:36 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

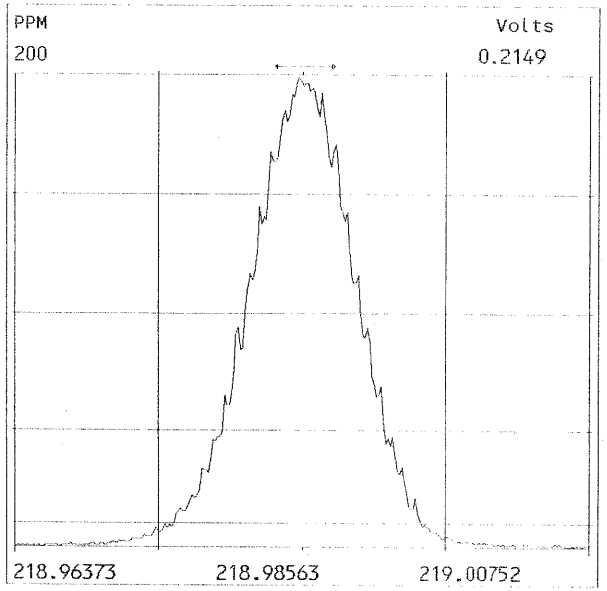


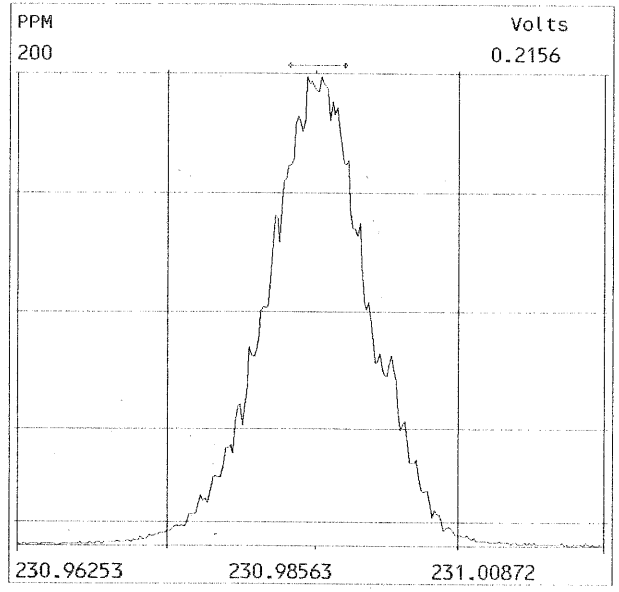


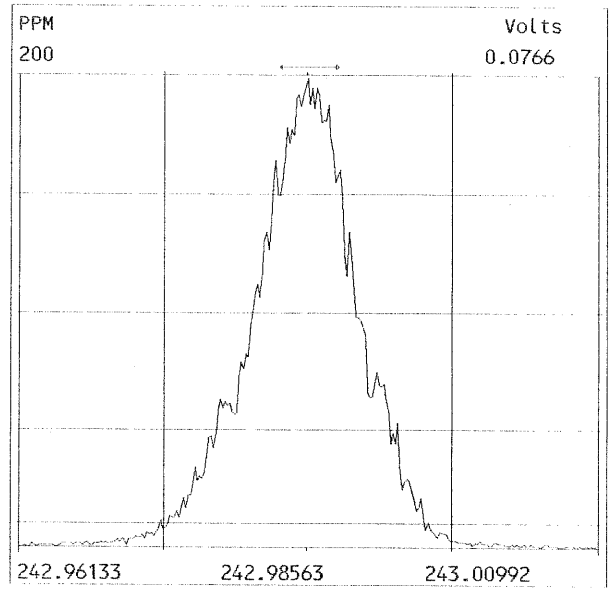


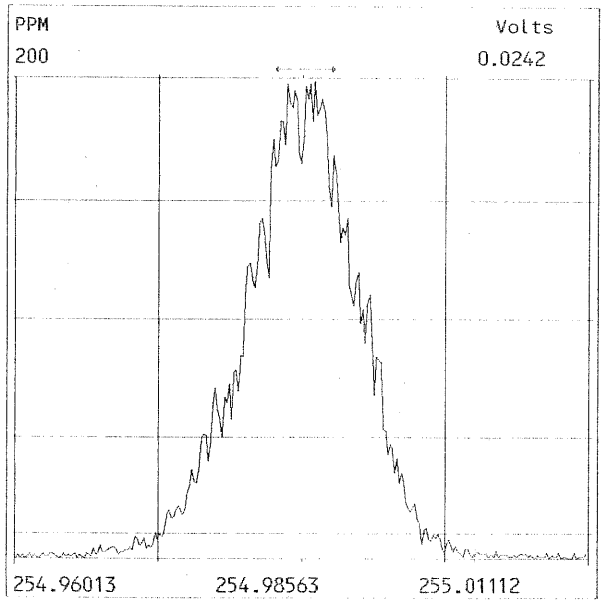


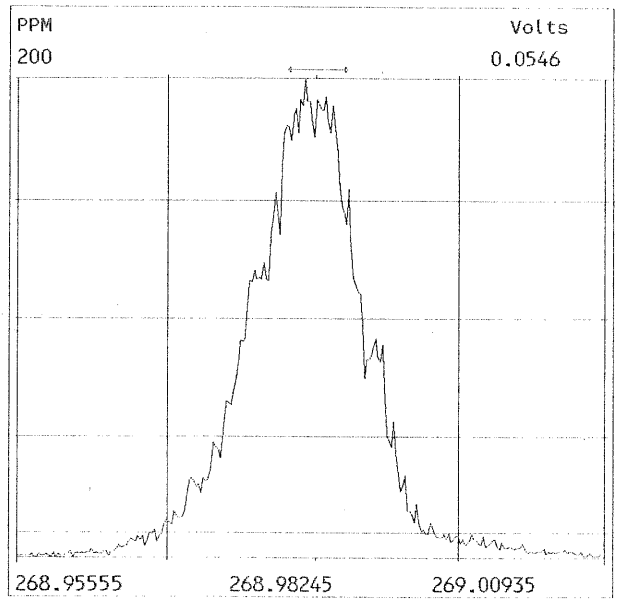
Peak Locate Examination:10-NOV-2020:20:39 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

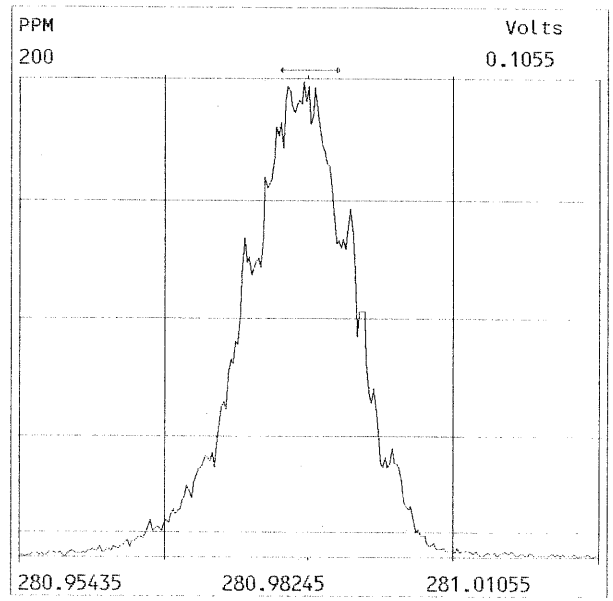






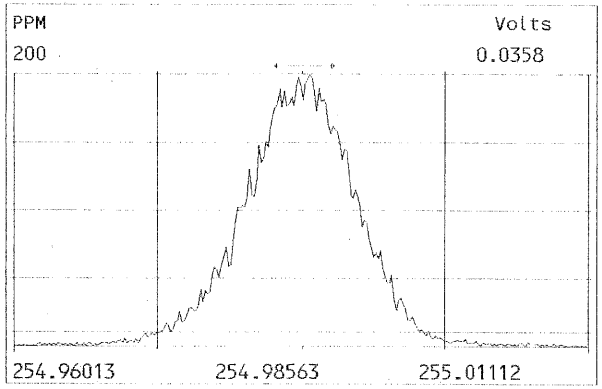


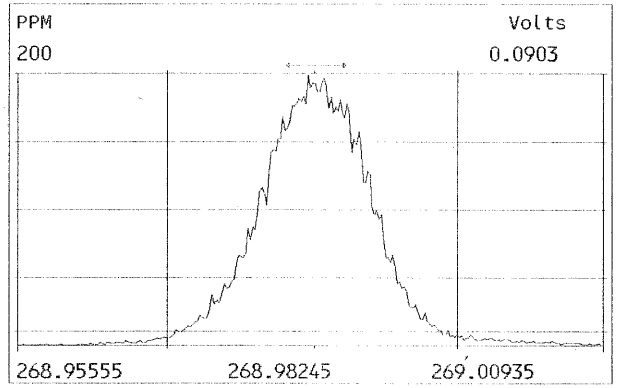


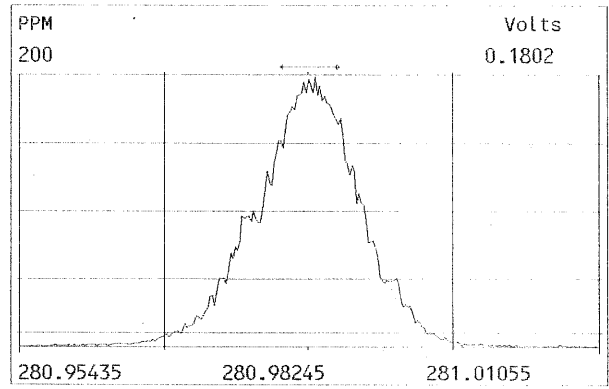


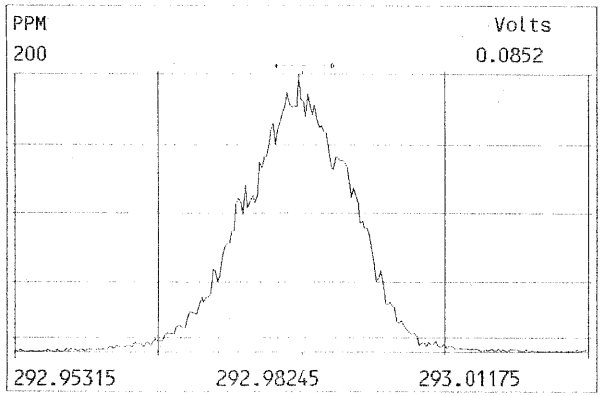
Peak Locate Examination:10-NOV-2020:20:41 File:10NOV20Z_RES_CHECK

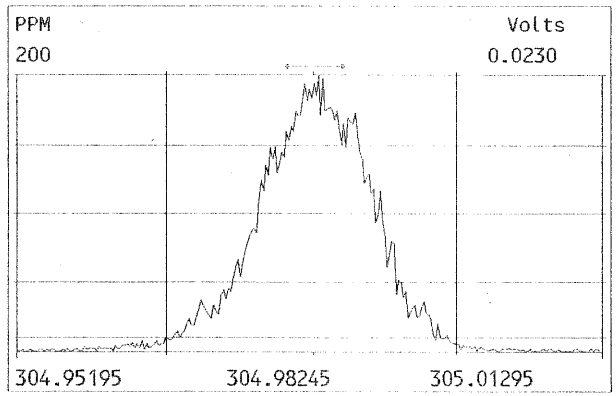
Experiment:1668PCB Function:3 Reference:PFK

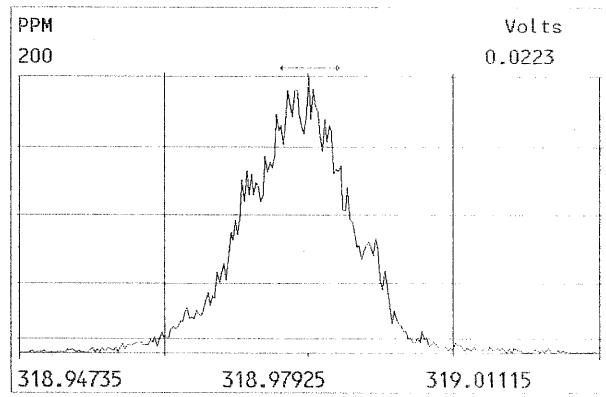


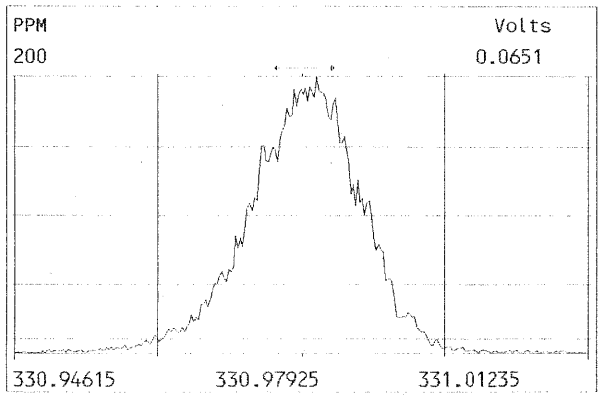


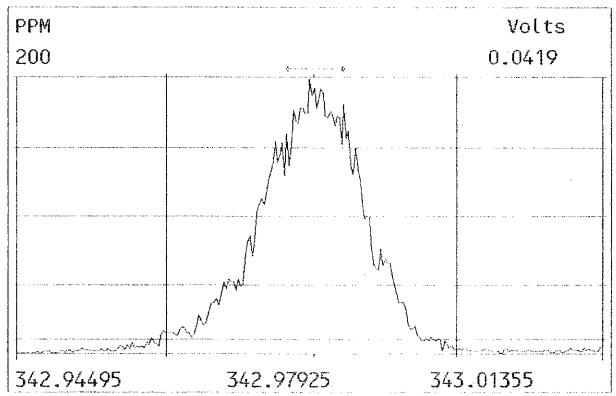




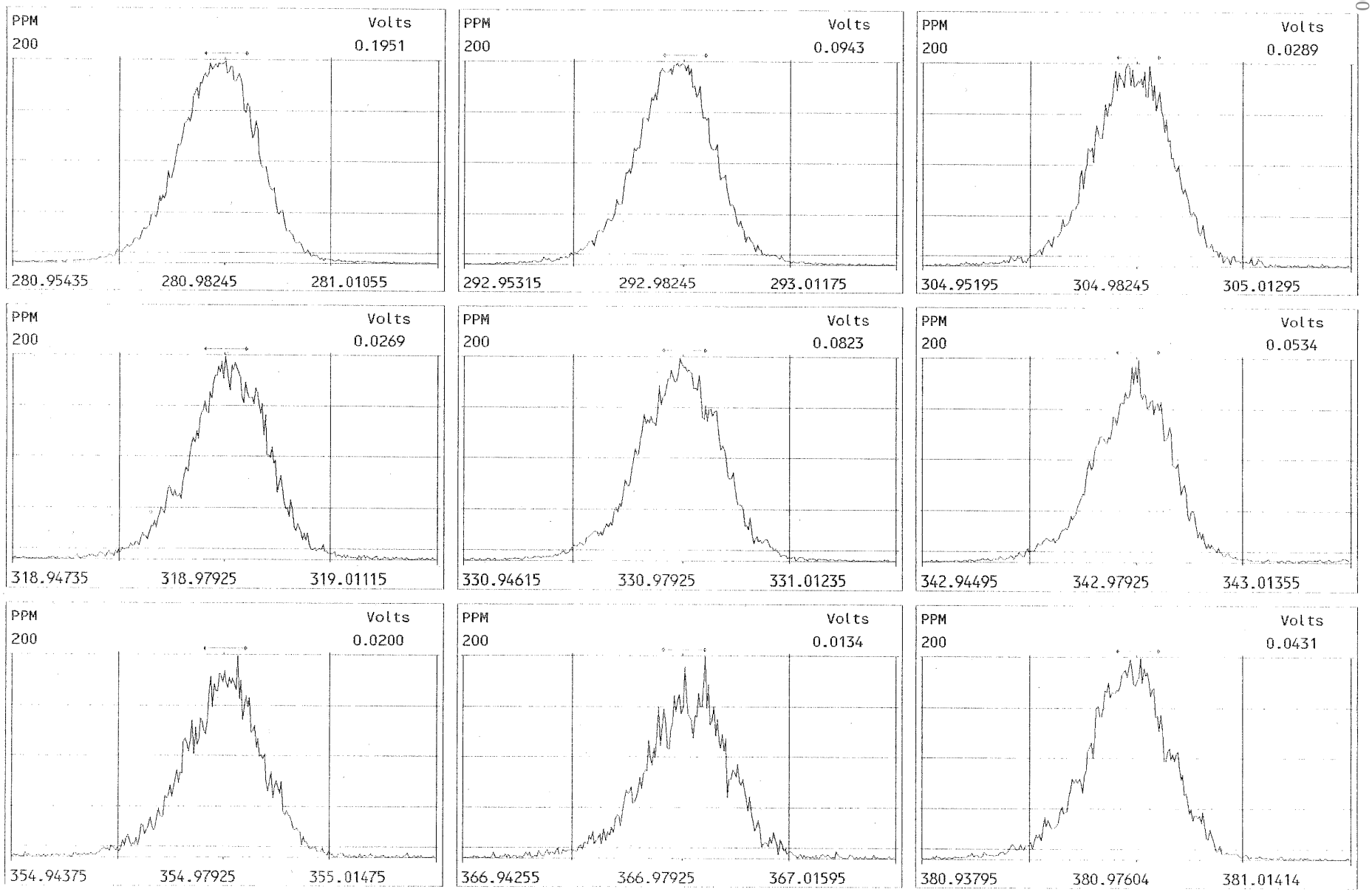






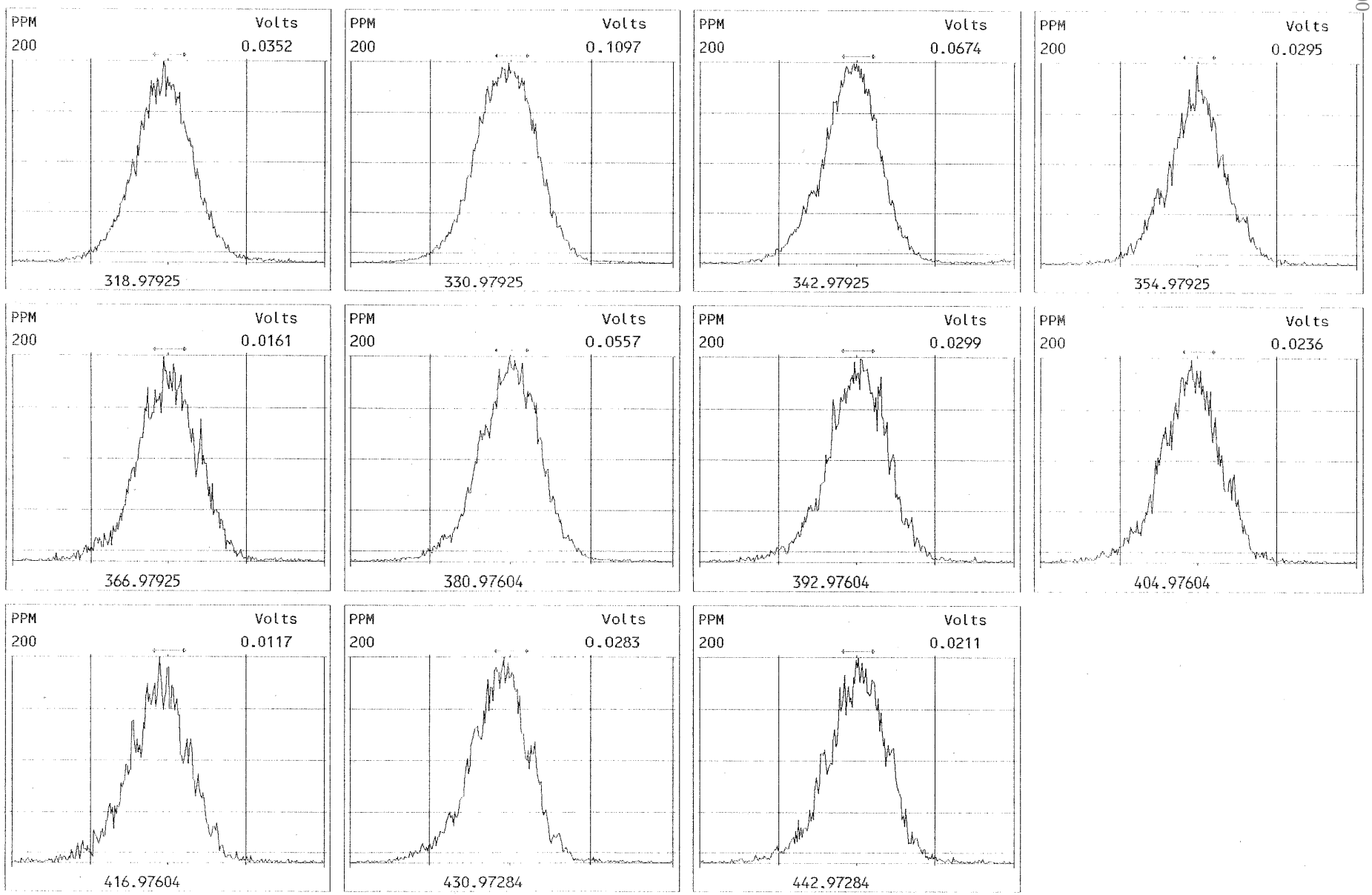
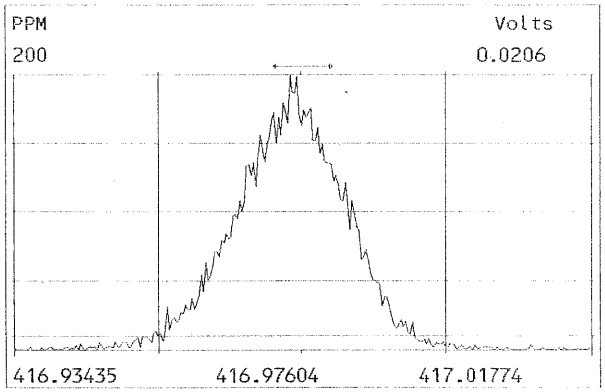
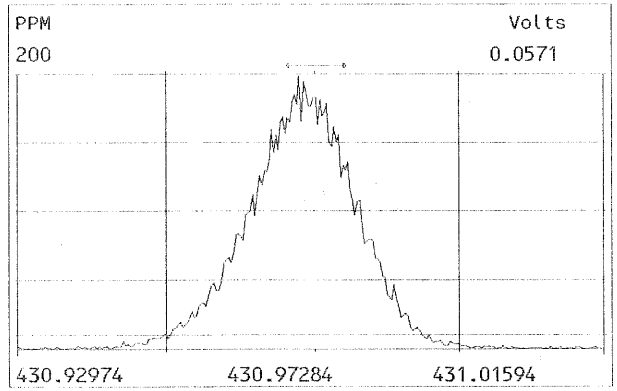
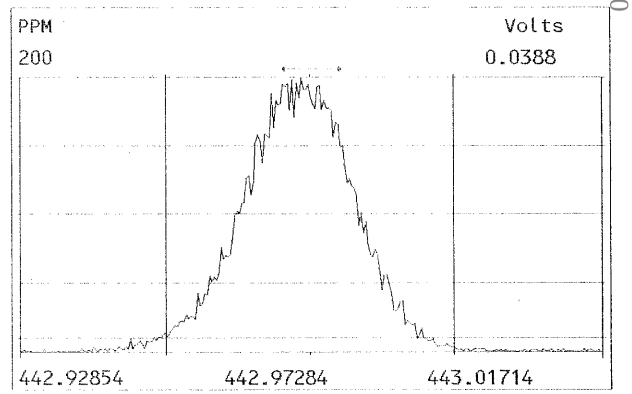
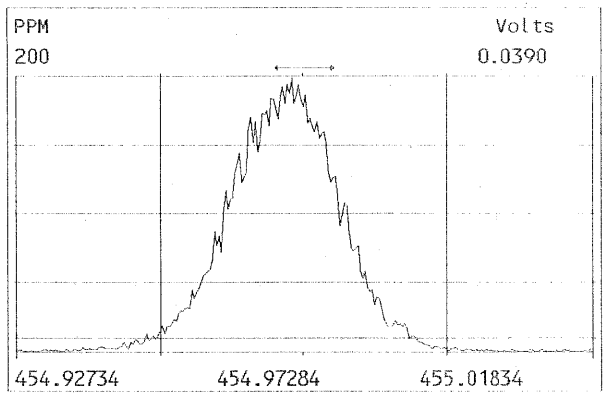
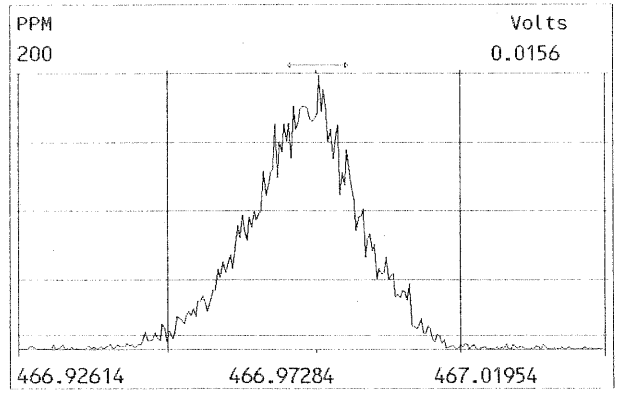
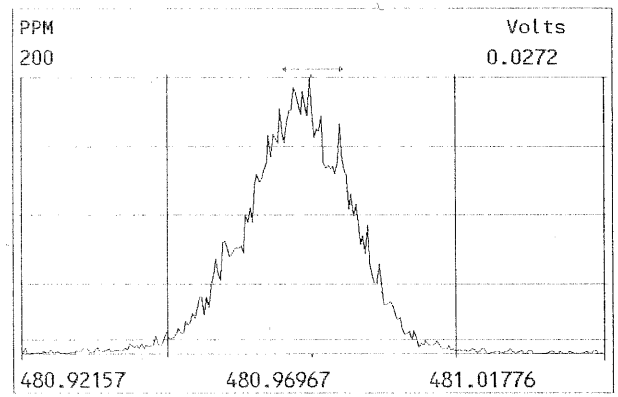
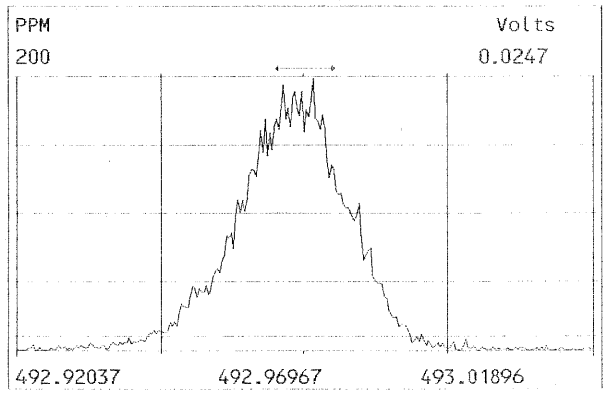
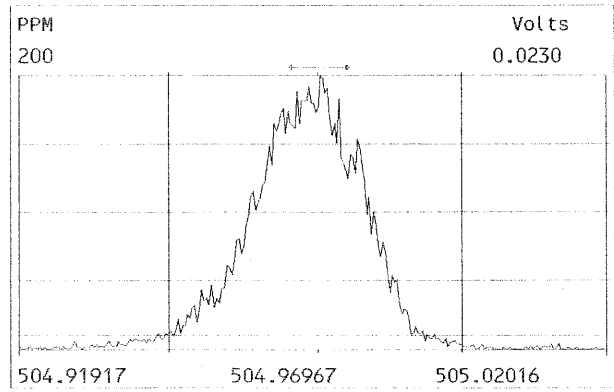
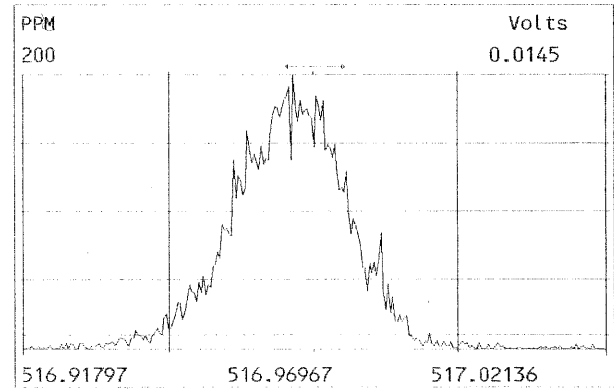


Peak Locate Examination:10-NOV-2020:20:43 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK



Peak Locate Examination:10-NOV-2020:20:46 File:10NOV20Z_RES_CHECK

Experiment:1668PCB Function:5 Reference:PFK



Peak Locate Examination:10-NOV-2020:20:48 File:10NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK