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 **13383**. These results correspond to your **LDW ENR/AC Pilot Study** project. Eighteen tissue samples were received on 10/06/2020. All eighteen of the tissue samples were homogenized. After homogenization, we followed the guidelines of your compositing table. Equal portions of two series of six tissue samples and two series of three tissue samples were combined to create the following samples; 13383-007-SA, 13383-014-SA, 13383-018-SA and 13383-022-SA (Floyd Snider Sample IDs: LDW-Y3-LBS-SU-ENR+AC-B-WORM, LDW-Y3-LBS-SU-ENR+AC-C-WORM, LDW-Y3-LBS-CLAM-BAS and LDW-Y3-LBS-WORM-BAS 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 **13383**, 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: **13383**

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
13383-001-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-1B-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:02 am	09/24/2021
13383-002-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-2B-WORM	EPA 1668 PCB	Tissue	09/24/2020	12:32 pm	09/24/2021
13383-003-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-3B-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:34 pm	09/24/2021
13383-004-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-4B-WORM	EPA 1668 PCB	Tissue	09/24/2020	10:04 am	09/24/2021
13383-005-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-5B-WORM	EPA 1668 PCB	Tissue	09/24/2020	11:40 am	09/24/2021
13383-006-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-6B-WORM	EPA 1668 PCB	Tissue	09/24/2020	11:35 am	09/24/2021
13383-007-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-B-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13383-008-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-1C-WORM	EPA 1668 PCB	Tissue	09/24/2020	03:13 pm	09/24/2021
13383-009-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-2C-WORM	EPA 1668 PCB	Tissue	09/24/2020	12:08 pm	09/24/2021
13383-010-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-3C-WORM	EPA 1668 PCB	Tissue	09/24/2020	01:13 pm	09/24/2021
13383-011-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-4C-WORM	EPA 1668 PCB	Tissue	09/24/2020	12:12 pm	09/24/2021
13383-012-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-5C-WORM	EPA 1668 PCB	Tissue	09/24/2020	09:36 am	09/24/2021
13383-013-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-6C-WORM	EPA 1668 PCB	Tissue	09/24/2020	10:19 am	09/24/2021
13383-014-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-SU-ENR+AC-C-WORM	EPA 1668 PCB	Tissue	09/24/2020	NP	09/24/2021
13383-015-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-1-CLAM-BAS	EPA 1668 PCB	Tissue	08/27/2020	03:00 pm	08/27/2021
13383-016-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-2-CLAM-BAS	EPA 1668 PCB	Tissue	08/27/2020	03:04 pm	08/27/2021
13383-017-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-3-CLAM-BAS	EPA 1668 PCB	Tissue	08/27/2020	03:13 pm	08/27/2021
13383-018-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-CLAM-BAS	EPA 1668 PCB	Tissue	08/27/2020	NP	08/27/2021
13383-019-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-1-WORM-BAS	EPA 1668 PCB	Tissue	08/26/2020	04:56 pm	08/26/2021
13383-020-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-2-WORM-BAS	EPA 1668 PCB	Tissue	08/26/2020	04:56 pm	08/26/2021
13383-021-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-3-WORM-BAS	EPA 1668 PCB	Tissue	08/26/2020	04:56 pm	08/26/2021
13383-022-SA	0	LDW ENR/AC Pilot Study	LDW-Y3-LBS-WORM-BAS	EPA 1668 PCB	Tissue	08/26/2020	NP	08/26/2021

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EPA Method 1668
PCBs

FAL ID: 13383-001-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: 13383-001-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

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-001-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: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-001-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: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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EPA Method 1668
PCBs

FAL ID: 13383-007-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.43 g
% Lipids: 0.380

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

Acquired: 11-09-2020
Total Conc: 17700

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.770			PCB-51	30.2	-		
PCB-2	ND	0.751			PCB-52	983	-	C	69
PCB-3	ND	0.741			PCB-53	83.7	-		
PCB-4	1.96	-	J		PCB-54	1.81	-	J	
PCB-5	ND	0.835			PCB-55	10.4	-		
PCB-6	10.6	-			PCB-56	278	-	C	60
PCB-7	1.94	-	J		PCB-57	5.99	-		
PCB-8	43.3	-			PCB-58	3.06	-		
PCB-9	3.46	-			PCB-59	-	-	C042	42
PCB-10	ND	0.794			PCB-60	-	-	C056	56
PCB-11	7.15	-			PCB-61	571	-	C	70
PCB-12	2.14	-	J		PCB-62	ND	0.704		
PCB-13	2.03	-	J		PCB-63	25.6	-		
PCB-14	ND	0.834			PCB-64	-	-	C041	41/71/72
PCB-15	13.0	-			PCB-65	ND	0.665		
PCB-16	82.5	-			PCB-66	403	-	C	76
PCB-17	131	-			PCB-67	20.5	-		
PCB-18	122	-			PCB-68	6.81	-		
PCB-19	12.7	-			PCB-69	-	-	C052	52
PCB-20	169	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	101	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	0.618			PCB-73	10.6	-		
PCB-24	15.9	-			PCB-74	241	-		
PCB-25	45.1	-			PCB-75	-	-	C048	48
PCB-26	90.7	-			PCB-76	-	-	C066	66
PCB-27	16.4	-			PCB-77	25.2	-		
PCB-28	282	-			PCB-78	ND	0.488		
PCB-29	2.51	-			PCB-79	11.3	-		
PCB-30	ND	0.829			PCB-80	ND	0.518		
PCB-31	311	-			PCB-81	15.2	-		
PCB-32	91.8	-			PCB-82	102	-		
PCB-33	-	-	C020	20/21	PCB-83	54.7	-	C	112
PCB-34	4.05	-			PCB-84	445	-	C	92
PCB-35	3.17	-			PCB-85	130	-	C	116
PCB-36	ND	0.653			PCB-86	ND	1.13		
PCB-37	48.0	-			PCB-87	340	-	C	117/125
PCB-38	5.37	-			PCB-88	114	-	C	91
PCB-39	ND	0.644			PCB-89	8.91	-		
PCB-40	113	-			PCB-90	1030	-	C	101
PCB-41	405	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	197	-	C	59	PCB-92	-	-	C084	84
PCB-43	695	-	C	49	PCB-93	ND	0.799		
PCB-44	729	-			PCB-94	7.75	-		
PCB-45	65.3	-			PCB-95	811	-		
PCB-46	29.1	-			PCB-96	7.43	-		
PCB-47	219	-			PCB-97	321	-		
PCB-48	153	-	C	75	PCB-98	ND	0.859	C	102
PCB-49	-	-	C043	43	PCB-99	398	-		
PCB-50	3.60	-			PCB-100	8.21	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-007-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.43 g
% Lipids: 0.380

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	225	-		
PCB-102	-	-	C098	98	PCB-152	1.69	-	J	
PCB-103	22.4	-			PCB-153	708	-		
PCB-104	ND	0.591			PCB-154	27.9	-		
PCB-105	209	-			PCB-155	ND	0.825		
PCB-106	605	-	C	118	PCB-156	52.1	-		
PCB-107	50.6	-	C	108	PCB-157	12.7	-		
PCB-108	-	-	C107	107	PCB-158	73.1	-	C	160
PCB-109	ND	0.808			PCB-159	6.40	-		
PCB-110	828	-			PCB-160	-	-	C158	158
PCB-111	15.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	0.879			PCB-163	-	-	C138	138/164
PCB-114	15.1	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2.60	-		
PCB-117	-	-	C087	87/125	PCB-167	23.8	-		
PCB-118	-	-	C	106	PCB-168	ND	0.586		
PCB-119	30.9	-			PCB-169	ND	0.663		
PCB-120	4.33	-			PCB-170	121	-		
PCB-121	ND	0.630			PCB-171	39.7	-		
PCB-122	10.1	-			PCB-172	26.6	-		
PCB-123	12.9	-			PCB-173	4.95	-		
PCB-124	35.2	-			PCB-174	162	-		
PCB-125	-	-	C087	87/117	PCB-175	8.63	-		
PCB-126	3.33	-			PCB-176	25.0	-		
PCB-127	ND	0.916			PCB-177	95.2	-		
PCB-128	97.9	-	C	162	PCB-178	37.5	-		
PCB-129	35.7	-			PCB-179	82.4	-		
PCB-130	57.5	-			PCB-180	291	-		
PCB-131	34.6	-	C	133	PCB-181	ND	0.836		
PCB-132	196	-	C	161	PCB-182	214	-	C	187
PCB-133	-	-	C131	131	PCB-183	96.8	-		
PCB-134	59.6	-	C	143	PCB-184	ND	0.574		
PCB-135	129	-			PCB-185	17.9	-		
PCB-136	161	-			PCB-186	ND	0.618		
PCB-137	27.9	-			PCB-187	-	-	C182	182
PCB-138	706	-	C	163/164	PCB-188	ND	0.792		
PCB-139	678	-	C	149	PCB-189	4.37	-		
PCB-140	8.76	-			PCB-190	28.6	-		
PCB-141	134	-			PCB-191	6.31	-		
PCB-142	ND	0.848			PCB-192	ND	0.744		
PCB-143	-	-	C134	134	PCB-193	18.5	-		
PCB-144	44.3	-			PCB-194	36.4	-		
PCB-145	ND	0.863			PCB-195	15.0	-		
PCB-146	133	-	C	165	PCB-196	57.8	-	C	203
PCB-147	17.1	-			PCB-197	2.98	-		
PCB-148	ND	1.12			PCB-198	3.56	-		
PCB-149	-	-	C139	139	PCB-199	58.3	-		
PCB-150	3.79	-			PCB-200	8.16	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-007-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 8.43 g
% Lipids: 0.380

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

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	8.51	-		
PCB-202	15.1	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.09		
PCB-205	2.20	-	J	
PCB-206	11.5	-		
PCB-207	1.85	-	J	
PCB-208	3.99	-		
PCB-209	3.79	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	45.3	5.00 - 145	
13C-PCB-3	52.9	5.00 - 145	
13C-PCB-4	61.4	5.00 - 145	
13C-PCB-15	79.6	5.00 - 145	
13C-PCB-19	61.0	5.00 - 145	
13C-PCB-37	84.1	5.00 - 145	
13C-PCB-54	76.3	5.00 - 145	
13C-PCB-77	96.3	10.0 - 145	
13C-PCB-81	100	10.0 - 145	
13C-PCB-104	70.6	10.0 - 145	
13C-PCB-105	90.8	10.0 - 145	
13C-PCB-114	88.6	10.0 - 145	
13C-PCB-118	87.2	10.0 - 145	
13C-PCB-123	91.4	10.0 - 145	
13C-PCB-126	93.9	10.0 - 145	
13C-PCB-155	76.5	10.0 - 145	
13C-PCB-156	90.8	10.0 - 145	
13C-PCB-157	86.3	10.0 - 145	
13C-PCB-167	88.4	10.0 - 145	
13C-PCB-169	97.7	10.0 - 145	
13C-PCB-188	76.1	10.0 - 145	
13C-PCB-189	92.7	10.0 - 145	
13C-PCB-202	73.6	10.0 - 145	
13C-PCB-205	87.2	10.0 - 145	
13C-PCB-206	77.7	10.0 - 145	
13C-PCB-208	77.8	10.0 - 145	
13C-PCB-209	74.1	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	86.1	5.00 - 145	
13C-PCB-111	82.7	10.0 - 145	
13C-PCB-178	69.7	10.0 - 145	

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

Analyst: [signature]

Date: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-014-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 6.64 g
% Lipids: 0.482

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

Acquired: 11-09-2020
Total Conc: 24100

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	1.24			PCB-51	42.3	-		
PCB-2	ND	1.20			PCB-52	1320	-	C	69
PCB-3	ND	1.17			PCB-53	135	-		
PCB-4	ND	1.97			PCB-54	2.92	-	J	
PCB-5	ND	1.05			PCB-55	17.4	-		
PCB-6	13.9	-			PCB-56	406	-	C	60
PCB-7	2.78	-	J		PCB-57	7.74	-		
PCB-8	50.4	-			PCB-58	3.53	-		
PCB-9	3.30	-			PCB-59	-	-	C042	42
PCB-10	ND	1.00			PCB-60	-	-	C056	56
PCB-11	14.9	-			PCB-61	929	-	C	70
PCB-12	2.09	-	J		PCB-62	ND	1.54		
PCB-13	2.23	-	J		PCB-63	39.7	-		
PCB-14	ND	1.05			PCB-64	-	-	C041	41/71/72
PCB-15	14.7	-			PCB-65	ND	1.46		
PCB-16	130	-			PCB-66	620	-	C	76
PCB-17	202	-			PCB-67	29.8	-		
PCB-18	224	-			PCB-68	9.23	-		
PCB-19	17.5	-			PCB-69	-	-	C052	52
PCB-20	232	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	132	-			PCB-72	-	-	C041	41/64/71
PCB-23	ND	1.03			PCB-73	20.3	-		
PCB-24	28.0	-			PCB-74	374	-		
PCB-25	61.9	-			PCB-75	-	-	C048	48
PCB-26	122	-			PCB-76	-	-	C066	66
PCB-27	25.3	-			PCB-77	36.9	-		
PCB-28	353	-			PCB-78	4.69	-		
PCB-29	3.67	-			PCB-79	10.7	-		
PCB-30	ND	1.90			PCB-80	ND	1.14		
PCB-31	452	-			PCB-81	20.9	-		
PCB-32	147	-			PCB-82	131	-		
PCB-33	-	-	C020	20/21	PCB-83	66.4	-	C	112
PCB-34	4.58	-			PCB-84	513	-	C	92
PCB-35	4.48	-			PCB-85	168	-	C	116
PCB-36	ND	1.09			PCB-86	ND	1.65		
PCB-37	63.8	-			PCB-87	433	-	C	117/125
PCB-38	8.07	-			PCB-88	153	-	C	91
PCB-39	ND	1.07			PCB-89	14.6	-		
PCB-40	154	-			PCB-90	1310	-	C	101
PCB-41	593	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	320	-	C	59	PCB-92	-	-	C084	84
PCB-43	1010	-	C	49	PCB-93	ND	1.45		
PCB-44	1030	-			PCB-94	11.2	-		
PCB-45	97.6	-			PCB-95	1120	-		
PCB-46	42.5	-			PCB-96	10.7	-		
PCB-47	333	-			PCB-97	410	-		
PCB-48	230	-	C	75	PCB-98	ND	1.56	C	102
PCB-49	-	-	C043	43	PCB-99	478	-		
PCB-50	5.75	-			PCB-100	9.85	-		

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EPA Method 1668
PCBs

FAL ID: 13383-014-SA
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-WORM
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 6.64 g
% Lipids: 0.482

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	281	-		
PCB-102	-	-	C098	98	PCB-152	ND	1.55		
PCB-103	26.7	-			PCB-153	898	-		
PCB-104	ND	1.07			PCB-154	26.9	-		
PCB-105	278	-			PCB-155	ND	1.42		
PCB-106	837	-	C	118	PCB-156	69.1	-		
PCB-107	68.9	-	C	108	PCB-157	17.0	-		
PCB-108	-	-	C107	107	PCB-158	96.0	-	C	160
PCB-109	ND	1.18			PCB-159	8.06	-		
PCB-110	1030	-			PCB-160	-	-	C158	158
PCB-111	21.1	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.28			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	4.00	-		
PCB-117	-	-	C087	87/125	PCB-167	31.8	-		
PCB-118	-	-	C	106	PCB-168	ND	1.26		
PCB-119	33.1	-			PCB-169	ND	1.22		
PCB-120	4.24	-			PCB-170	175	-		
PCB-121	ND	1.14			PCB-171	57.0	-		
PCB-122	12.3	-			PCB-172	36.7	-		
PCB-123	18.3	-			PCB-173	7.28	-		
PCB-124	46.8	-			PCB-174	226	-		
PCB-125	-	-	C087	87/117	PCB-175	11.3	-		
PCB-126	3.73	-			PCB-176	31.9	-		
PCB-127	ND	1.26			PCB-177	134	-		
PCB-128	131	-	C	162	PCB-178	54.8	-		
PCB-129	43.1	-			PCB-179	109	-		
PCB-130	69.0	-			PCB-180	403	-		
PCB-131	40.1	-	C	133	PCB-181	ND	1.67		
PCB-132	267	-	C	161	PCB-182	303	-	C	187
PCB-133	-	-	C131	131	PCB-183	126	-		
PCB-134	77.6	-	C	143	PCB-184	ND	1.14		
PCB-135	148	-			PCB-185	26.6	-		
PCB-136	195	-			PCB-186	ND	1.23		
PCB-137	53.6	-			PCB-187	-	-	C182	182
PCB-138	912	-	C	163/164	PCB-188	ND	1.57		
PCB-139	824	-	C	149	PCB-189	6.27	-		
PCB-140	9.26	-			PCB-190	38.1	-		
PCB-141	188	-			PCB-191	9.63	-		
PCB-142	ND	1.82			PCB-192	ND	1.48		
PCB-143	-	-	C134	134	PCB-193	24.4	-		
PCB-144	63.8	-			PCB-194	38.7	-		
PCB-145	ND	1.49			PCB-195	18.1	-		
PCB-146	165	-	C	165	PCB-196	55.4	-	C	203
PCB-147	23.7	-			PCB-197	4.29	-		
PCB-148	ND	1.94			PCB-198	4.52	-		
PCB-149	-	-	C139	139	PCB-199	55.7	-		
PCB-150	4.22	-			PCB-200	8.31	-		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

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% Lipids: 0.482

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GC Column: DB1MS
Units: pg/g

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	10.0	-		
PCB-202	17.7	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.35		
PCB-205	2.82	-	J	
PCB-206	13.3	-		
PCB-207	2.25	-	J	
PCB-208	5.13	-		
PCB-209	4.66	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	36.6	5.00 - 145	
13C-PCB-3	47.6	5.00 - 145	
13C-PCB-4	50.8	5.00 - 145	
13C-PCB-15	72.9	5.00 - 145	
13C-PCB-19	46.3	5.00 - 145	
13C-PCB-37	81.5	5.00 - 145	
13C-PCB-54	66.4	5.00 - 145	
13C-PCB-77	85.7	10.0 - 145	
13C-PCB-81	90.7	10.0 - 145	
13C-PCB-104	67.4	10.0 - 145	
13C-PCB-105	86.0	10.0 - 145	
13C-PCB-114	86.7	10.0 - 145	
13C-PCB-118	86.0	10.0 - 145	
13C-PCB-123	88.0	10.0 - 145	
13C-PCB-126	90.8	10.0 - 145	
13C-PCB-155	67.7	10.0 - 145	
13C-PCB-156	85.2	10.0 - 145	
13C-PCB-157	80.8	10.0 - 145	
13C-PCB-167	79.9	10.0 - 145	
13C-PCB-169	91.0	10.0 - 145	
13C-PCB-188	59.6	10.0 - 145	
13C-PCB-189	76.3	10.0 - 145	
13C-PCB-202	70.3	10.0 - 145	
13C-PCB-205	87.4	10.0 - 145	
13C-PCB-206	70.7	10.0 - 145	
13C-PCB-208	71.3	10.0 - 145	
13C-PCB-209	63.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	81.0	5.00 - 145	
13C-PCB-111	73.2	10.0 - 145	
13C-PCB-178	62.9	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
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F	Analyte confirmation on secondary column
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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: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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EPA Method 1668
PCBs

FAL ID: 13383-018-SA
Client ID: LDW-Y3-LBS-CLAM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 10.19 g
% Lipids: 0.304

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

Acquired: 11-09-2020
Total Conc: 578

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	ND	0.880			PCB-51	ND	1.42		
PCB-2	ND	0.893			PCB-52	14.2	-	C	69
PCB-3	ND	0.914			PCB-53	ND	1.41		
PCB-4	ND	1.89			PCB-54	ND	1.05		
PCB-5	ND	1.14			PCB-55	ND	1.03		
PCB-6	ND	1.17			PCB-56	6.97	-	C	60
PCB-7	ND	1.13			PCB-57	ND	1.06		
PCB-8	ND	1.18			PCB-58	ND	1.05		
PCB-9	ND	1.15			PCB-59	-	-	C042	42
PCB-10	ND	1.08			PCB-60	-	-	C056	56
PCB-11	39.6	-			PCB-61	11.9	-	C	70
PCB-12	ND	1.20			PCB-62	ND	1.19		
PCB-13	ND	1.22			PCB-63	ND	1.07		
PCB-14	ND	1.13			PCB-64	-	-	C041	41/71/72
PCB-15	ND	1.12			PCB-65	ND	1.12		
PCB-16	ND	1.24			PCB-66	11.4	-	C	76
PCB-17	ND	1.39			PCB-67	ND	1.07		
PCB-18	3.39	-			PCB-68	ND	1.00		
PCB-19	ND	1.58			PCB-69	-	-	C052	52
PCB-20	2.78	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	1.06			PCB-72	-	-	C041	41/64/71
PCB-23	ND	1.06			PCB-73	ND	1.19		
PCB-24	ND	1.07			PCB-74	7.00	-		
PCB-25	ND	1.17			PCB-75	-	-	C048	48
PCB-26	1.87	-	J		PCB-76	-	-	C066	66
PCB-27	ND	1.11			PCB-77	2.48	-		
PCB-28	6.47	-			PCB-78	ND	1.24		
PCB-29	ND	1.08			PCB-79	ND	1.25		
PCB-30	ND	1.01			PCB-80	ND	0.875		
PCB-31	5.44	-			PCB-81	ND	1.22		
PCB-32	ND	1.19			PCB-82	3.42	-		
PCB-33	-	-	C020	20/21	PCB-83	2.87	-	C	112
PCB-34	ND	1.15			PCB-84	11.5	-	C	92
PCB-35	ND	1.20			PCB-85	4.08	-	C	116
PCB-36	ND	1.12			PCB-86	ND	1.66		
PCB-37	ND	1.13			PCB-87	5.20	-	C	117/125
PCB-38	ND	1.15			PCB-88	4.27	-	C	91
PCB-39	ND	1.10			PCB-89	ND	1.60		
PCB-40	ND	1.85			PCB-90	18.4	-	C	101
PCB-41	8.21	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	3.88	-	C	59	PCB-92	-	-	C084	84
PCB-43	10.7	-	C	49	PCB-93	ND	1.41		
PCB-44	8.30	-			PCB-94	ND	1.56		
PCB-45	ND	1.65			PCB-95	16.5	-		
PCB-46	ND	1.74			PCB-96	ND	1.12		
PCB-47	9.17	-			PCB-97	7.15	-		
PCB-48	2.69	-	C	75	PCB-98	ND	1.52	C	102
PCB-49	-	-	C043	43	PCB-99	13.9	-		
PCB-50	ND	1.37			PCB-100	ND	1.28		

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EPA Method 1668
PCBs

FAL ID: 13383-018-SA
Client ID: LDW-Y3-LBS-CLAM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 10.19 g
% Lipids: 0.304

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	10.1	-		
PCB-102	-	-	C098	98	PCB-152	ND	1.44		
PCB-103	ND	1.33			PCB-153	43.4	-		
PCB-104	ND	1.05			PCB-154	2.99	-		
PCB-105	8.21	-			PCB-155	ND	1.32		
PCB-106	22.5	-	C	118	PCB-156	2.39	-		
PCB-107	4.38	-	C	108	PCB-157	ND	0.941		
PCB-108	-	-	C107	107	PCB-158	2.99	-	C	160
PCB-109	ND	1.19			PCB-159	1.45	-	J	
PCB-110	15.3	-			PCB-160	-	-	C158	158
PCB-111	ND	1.08	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.29			PCB-163	-	-	C138	138/164
PCB-114	ND	1.42			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	0.901		
PCB-117	-	-	C087	87/125	PCB-167	2.94	-		
PCB-118	-	-	C	106	PCB-168	ND	0.865		
PCB-119	1.81	-	J		PCB-169	ND	0.901		
PCB-120	ND	1.07			PCB-170	ND	1.89		
PCB-121	ND	1.12			PCB-171	ND	1.69		
PCB-122	ND	1.57			PCB-172	ND	1.80		
PCB-123	ND	1.67			PCB-173	ND	1.80		
PCB-124	ND	1.65			PCB-174	ND	1.70		
PCB-125	-	-	C087	87/117	PCB-175	ND	1.59		
PCB-126	ND	1.62			PCB-176	ND	1.18		
PCB-127	ND	1.60			PCB-177	10.2	-		
PCB-128	7.52	-	C	162	PCB-178	11.2	-		
PCB-129	ND	1.31			PCB-179	6.14	-		
PCB-130	5.80	-			PCB-180	11.9	-		
PCB-131	4.83	-	C	133	PCB-181	ND	1.55		
PCB-132	7.05	-	C	161	PCB-182	27.2	-	C	187
PCB-133	-	-	C131	131	PCB-183	7.74	-		
PCB-134	6.67	-	C	143	PCB-184	ND	1.06		
PCB-135	7.22	-			PCB-185	ND	1.63		
PCB-136	5.00	-			PCB-186	ND	1.15		
PCB-137	2.88	-			PCB-187	-	-	C182	182
PCB-138	33.2	-	C	163/164	PCB-188	ND	1.23		
PCB-139	20.0	-	C	149	PCB-189	ND	1.34		
PCB-140	ND	1.04			PCB-190	ND	1.44		
PCB-141	ND	1.16			PCB-191	ND	1.34		
PCB-142	ND	1.25			PCB-192	ND	1.38		
PCB-143	-	-	C134	134	PCB-193	ND	1.31		
PCB-144	ND	1.11			PCB-194	ND	1.79		
PCB-145	ND	1.38			PCB-195	ND	1.89		
PCB-146	17.1	-	C	165	PCB-196	3.50	-	C	203
PCB-147	ND	1.06			PCB-197	ND	1.30		
PCB-148	ND	1.80			PCB-198	ND	1.94		
PCB-149	-	-	C139	139	PCB-199	7.49	-		
PCB-150	ND	1.42			PCB-200	ND	1.35		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-018-SA
Client ID: LDW-Y3-LBS-CLAM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 10.19 g
% Lipids: 0.304

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

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	3.04	-		
PCB-202	10.5	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.31		
PCB-205	ND	1.57		
PCB-206	ND	1.66		
PCB-207	ND	1.22		
PCB-208	ND	1.31		
PCB-209	ND	1.35		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	75.7	5.00 - 145	
13C-PCB-3	78.6	5.00 - 145	
13C-PCB-4	84.4	5.00 - 145	
13C-PCB-15	88.6	5.00 - 145	
13C-PCB-19	96.1	5.00 - 145	
13C-PCB-37	99.7	5.00 - 145	
13C-PCB-54	88.4	5.00 - 145	
13C-PCB-77	128	10.0 - 145	
13C-PCB-81	124	10.0 - 145	
13C-PCB-104	73.0	10.0 - 145	
13C-PCB-105	95.0	10.0 - 145	
13C-PCB-114	94.8	10.0 - 145	
13C-PCB-118	93.9	10.0 - 145	
13C-PCB-123	95.2	10.0 - 145	
13C-PCB-126	100	10.0 - 145	
13C-PCB-155	95.7	10.0 - 145	
13C-PCB-156	89.7	10.0 - 145	
13C-PCB-157	86.2	10.0 - 145	
13C-PCB-167	86.9	10.0 - 145	
13C-PCB-169	93.6	10.0 - 145	
13C-PCB-188	76.0	10.0 - 145	
13C-PCB-189	82.5	10.0 - 145	
13C-PCB-202	71.1	10.0 - 145	
13C-PCB-205	90.8	10.0 - 145	
13C-PCB-206	83.5	10.0 - 145	
13C-PCB-208	85.1	10.0 - 145	
13C-PCB-209	79.6	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	81.6	5.00 - 145	
13C-PCB-111	87.1	10.0 - 145	
13C-PCB-178	61.8	10.0 - 145	

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

Analyst: [signature]

Date: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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EPA Method 1668
PCBs

FAL ID: 13383-022-SA
Client ID: LDW-Y3-LBS-WORM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 6.51 g
% Lipids: 0.645

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

Acquired: 11-09-2020
Total Conc: 1350

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	294	-			PCB-51	ND	2.17		
PCB-2	ND	1.80			PCB-52	13.6	-	C	69
PCB-3	72.2	-			PCB-53	ND	2.17		
PCB-4	140	-			PCB-54	24.7	-		
PCB-5	ND	2.14			PCB-55	ND	1.58		
PCB-6	ND	2.21			PCB-56	6.55	-	C	60
PCB-7	ND	2.12			PCB-57	ND	1.62		
PCB-8	ND	2.22			PCB-58	ND	1.62		
PCB-9	ND	2.16			PCB-59	-	-	C042	42
PCB-10	ND	2.03			PCB-60	-	-	C056	56
PCB-11	25.7	-			PCB-61	12.4	-	C	70
PCB-12	ND	2.26			PCB-62	ND	1.82		
PCB-13	ND	2.30			PCB-63	ND	1.64		
PCB-14	ND	2.13			PCB-64	-	-	C041	41/71/72
PCB-15	12.4	-			PCB-65	ND	1.72		
PCB-16	ND	2.04			PCB-66	8.55	-	C	76
PCB-17	ND	2.27			PCB-67	ND	1.65		
PCB-18	ND	2.44			PCB-68	ND	1.54		
PCB-19	65.7	-			PCB-69	-	-	C052	52
PCB-20	ND	1.67	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	ND	1.55			PCB-72	-	-	C041	41/64/71
PCB-23	ND	1.54			PCB-73	ND	1.83		
PCB-24	ND	1.76			PCB-74	5.65	-		
PCB-25	ND	1.71			PCB-75	-	-	C048	48
PCB-26	ND	1.65			PCB-76	-	-	C066	66
PCB-27	ND	1.82			PCB-77	13.6	-		
PCB-28	4.17	-			PCB-78	ND	1.97		
PCB-29	ND	1.58			PCB-79	ND	1.99		
PCB-30	ND	1.65			PCB-80	ND	1.34		
PCB-31	4.59	-			PCB-81	9.97	-		
PCB-32	ND	1.95			PCB-82	ND	2.63		
PCB-33	-	-	C020	20/21	PCB-83	ND	1.99	C	112
PCB-34	ND	1.67			PCB-84	10.6	-	C	92
PCB-35	ND	1.75			PCB-85	4.72	-	C	116
PCB-36	ND	1.63			PCB-86	ND	2.35		
PCB-37	9.92	-			PCB-87	7.66	-	C	117/125
PCB-38	ND	1.69			PCB-88	ND	2.12	C	91
PCB-39	ND	1.61			PCB-89	ND	2.26		
PCB-40	ND	2.83			PCB-90	30.4	-	C	101
PCB-41	4.31	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	ND	1.97	C	59	PCB-92	-	-	C084	84
PCB-43	8.08	-	C	49	PCB-93	ND	2.24		
PCB-44	11.1	-			PCB-94	ND	2.48		
PCB-45	ND	2.53			PCB-95	10.8	-		
PCB-46	ND	2.66			PCB-96	ND	1.78		
PCB-47	5.67	-			PCB-97	8.78	-		
PCB-48	ND	1.77	C	75	PCB-98	ND	2.41	C	102
PCB-49	-	-	C043	43	PCB-99	14.7	-		
PCB-50	ND	2.10			PCB-100	ND	2.03		

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EPA Method 1668
PCBs

FAL ID: 13383-022-SA
Client ID: LDW-Y3-LBS-WORM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 6.51 g
% Lipids: 0.645

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	8.32	-		
PCB-102	-	-	C098	98	PCB-152	ND	2.15		
PCB-103	ND	2.11			PCB-153	64.0	-		
PCB-104	9.13	-			PCB-154	ND	2.46		
PCB-105	16.9	-			PCB-155	6.09	-		
PCB-106	38.8	-	C	118	PCB-156	12.1	-		
PCB-107	3.69	-	C	108	PCB-157	9.42	-		
PCB-108	-	-	C107	107	PCB-158	4.91	-	C	160
PCB-109	ND	1.68			PCB-159	ND	1.65		
PCB-110	12.2	-			PCB-160	-	-	C158	158
PCB-111	ND	1.53	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	ND	1.82			PCB-163	-	-	C138	138/164
PCB-114	7.63	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	ND	1.71		
PCB-117	-	-	C087	87/125	PCB-167	8.49	-		
PCB-118	-	-	C	106	PCB-168	ND	1.64		
PCB-119	ND	1.65			PCB-169	11.7	-		
PCB-120	ND	1.51			PCB-170	12.9	-		
PCB-121	ND	1.77			PCB-171	ND	2.53		
PCB-122	ND	1.83			PCB-172	ND	2.69		
PCB-123	9.24	-			PCB-173	ND	2.69		
PCB-124	ND	1.92			PCB-174	ND	2.54		
PCB-125	-	-	C087	87/117	PCB-175	ND	2.38		
PCB-126	10.0	-			PCB-176	ND	1.77		
PCB-127	ND	1.86			PCB-177	8.53	-		
PCB-128	7.99	-	C	162	PCB-178	ND	2.46		
PCB-129	3.72	-			PCB-179	5.72	-		
PCB-130	7.65	-			PCB-180	17.7	-		
PCB-131	5.60	-	C	133	PCB-181	ND	2.32		
PCB-132	5.28	-	C	161	PCB-182	21.7	-	C	187
PCB-133	-	-	C131	131	PCB-183	10.2	-		
PCB-134	ND	2.46	C	143	PCB-184	ND	1.59		
PCB-135	5.29	-			PCB-185	ND	2.44		
PCB-136	ND	2.20			PCB-186	ND	1.71		
PCB-137	5.94	-			PCB-187	-	-	C182	182
PCB-138	45.7	-	C	163/164	PCB-188	5.89	-		
PCB-139	19.6	-	C	149	PCB-189	9.45	-		
PCB-140	ND	1.98			PCB-190	ND	2.15		
PCB-141	6.33	-			PCB-191	ND	2.00		
PCB-142	ND	2.38			PCB-192	ND	2.06		
PCB-143	-	-	C134	134	PCB-193	ND	1.95		
PCB-144	ND	2.12			PCB-194	3.61	-		
PCB-145	ND	2.06			PCB-195	ND	2.28		
PCB-146	15.8	-	C	165	PCB-196	6.38	-	C	203
PCB-147	ND	2.02			PCB-197	ND	1.95		
PCB-148	ND	2.69			PCB-198	ND	2.91		
PCB-149	-	-	C139	139	PCB-199	7.40	-		
PCB-150	ND	2.13			PCB-200	ND	2.03		

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EPA Method 1668
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 13383-022-SA
Client ID: LDW-Y3-LBS-WORM-BAS
Matrix: Tissue
Batch No: X5499

Date Extracted: 10-27-2020
Date Received: 10-06-2020
Amount: 6.51 g
% Lipids: 0.645

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

Acquired: 11-09-2020

Compound	Conc	DL	Qual	Coeluters
PCB-201	ND	1.97		
PCB-202	9.47	-		
PCB-203	-	-	C196	196
PCB-204	ND	1.97		
PCB-205	8.85	-		
PCB-206	8.86	-		
PCB-207	ND	1.73		
PCB-208	6.62	-		
PCB-209	7.17	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	65.0	5.00 - 145	
13C-PCB-3	69.5	5.00 - 145	
13C-PCB-4	80.8	5.00 - 145	
13C-PCB-15	84.7	5.00 - 145	
13C-PCB-19	83.4	5.00 - 145	
13C-PCB-37	83.0	5.00 - 145	
13C-PCB-54	85.1	5.00 - 145	
13C-PCB-77	89.2	10.0 - 145	
13C-PCB-81	89.9	10.0 - 145	
13C-PCB-104	80.7	10.0 - 145	
13C-PCB-105	91.4	10.0 - 145	
13C-PCB-114	90.6	10.0 - 145	
13C-PCB-118	86.8	10.0 - 145	
13C-PCB-123	92.3	10.0 - 145	
13C-PCB-126	93.7	10.0 - 145	
13C-PCB-155	79.7	10.0 - 145	
13C-PCB-156	86.6	10.0 - 145	
13C-PCB-157	82.0	10.0 - 145	
13C-PCB-167	85.2	10.0 - 145	
13C-PCB-169	89.3	10.0 - 145	
13C-PCB-188	80.7	10.0 - 145	
13C-PCB-189	80.2	10.0 - 145	
13C-PCB-202	76.6	10.0 - 145	
13C-PCB-205	90.3	10.0 - 145	
13C-PCB-206	81.9	10.0 - 145	
13C-PCB-208	86.6	10.0 - 145	
13C-PCB-209	77.4	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	74.1	5.00 - 145	
13C-PCB-111	76.9	10.0 - 145	
13C-PCB-178	74.2	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: 11/12/2020

Reviewed By: DPV

Date: 11/12/2020

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Temperature: 2 °C

Chain of Custody

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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.

REPORT INFORMATION
Report Level: ☐ I/II ☐ III ✓ IV
✓ EDD: ☐ FAL Basic ☐ Geotracker ✓ Other: FSI ☐ Custom: Contact FAL
☐ California State Drinking Water Form
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****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	~~LDW-Y3-LBS-SU-ENR-6A-WORM~~	~~9/24/20~~	~~1349~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	2	~~LDW-Y3-LBS-SU-ENR-6B-WORM~~	~~9/24/20~~	~~1526~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	3	~~LDW-Y3-LBS-SU-ENR-6C-WORM~~	~~9/24/20~~	~~1354~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
	4	~~LDW-Y3-LBS-SU-ENR+AC-1A-WORM~~	~~9/24/20~~	~~1027~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
1	5	LDW-Y3-LBS-SU-ENR+AC-1B-WORM	9/24/20	902	TISSUE	1								✓			Homogenize and composite, see attached table
8	6	LDW-Y3-LBS-SU-ENR+AC-1C-WORM	9/24/20	1513	TISSUE	1								✓			Homogenize and composite, see attached table
	7	~~LDW-Y3-LBS-SU-ENR+AC-2A-WORM~~	~~9/24/20~~	~~1412~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
2	8	LDW-Y3-LBS-SU-ENR+AC-2B-WORM	9/24/20	1232	TISSUE	1								✓			Homogenize and composite, see attached table
9	9	LDW-Y3-LBS-SU-ENR+AC-2C-WORM	9/24/20	1208	TISSUE	1								✓			Homogenize and composite, see attached table
	10	~~LDW-Y3-LBS-SU-ENR+AC-3A-WORM~~	~~9/24/20~~	~~1155~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
3	11	LDW-Y3-LBS-SU-ENR+AC-3B-WORM	9/24/20	1334	TISSUE	1								✓			Homogenize and composite, see attached table
10	12	LDW-Y3-LBS-SU-ENR+AC-3C-WORM	9/24/20	1313	TISSUE	1								✓			Homogenize and composite, see attached table
	13	~~LDW-Y3-LBS-SU-ENR+AC-4A-WORM~~	~~9/24/20~~	~~1327~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
4	14	LDW-Y3-LBS-SU-ENR+AC-4B-WORM	9/24/20	1004	TISSUE	1								✓			Homogenize and composite, see attached table
11	15	LDW-Y3-LBS-SU-ENR+AC-4C-WORM	9/24/20	1212	TISSUE	1								✓			Homogenize and composite, see attached table

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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

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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.

REPORT INFORMATION	REPORT DISTRIBUTION (email only is preferred)	ADDITIONAL INSTRUCTIONS
Report Level: ☐ I/II ☐ III ✓ IV	☐ Hardcopy	EDD format should be as developed with Floyd|Snider and Saylor Data Solutions
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System #: Source #:		
Sampler: Employer:		

**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~~	~~LDW-Y3-LBS-SU-ENR+AC-5A-WORM~~	~~9/24/20~~	~~1116~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
5 2	LDW-Y3-LBS-SU-ENR+AC-5B-WORM	9/24/20	1140	TISSUE	1								✓			Homogenize and composite, see attached table
12 3	LDW-Y3-LBS-SU-ENR+AC-5C-WORM	9/24/20	936	TISSUE	1								✓			Homogenize and composite, see attached table
~~4~~	~~LDW-Y3-LBS-SU-ENR+AC-6A-WORM~~	~~9/24/20~~	~~1445~~	~~TISSUE~~	~~1~~								✓			~~Homogenize and composite, see attached table~~
6 5	LDW-Y3-LBS-SU-ENR+AC-6B-WORM	9/24/20	1135	TISSUE	1								✓			Homogenize and composite, see attached table
13 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~~

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

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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)
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	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	LDW-Y3-LBS-SU-ENR+AC-3A-CLAM	9/24/20	1155	TISSUE	1								✓			Homogenize and composite, see attached table
2	LDW-Y3-LBS-SU-ENR+AC-3B-CLAM	9/24/20	1334	TISSUE	1								✓			Homogenize and composite, see attached table
3	LDW-Y3-LBS-SU-ENR+AC-3C-CLAM	9/24/20	1313	TISSUE	1								✓			Homogenize and composite, see attached table
4	LDW-Y3-LBS-SU-ENR+AC-4A-CLAM	9/24/20	1327	TISSUE	1								✓			Homogenize and composite, see attached table
5	LDW-Y3-LBS-SU-ENR+AC-4B-CLAM	9/24/20	1004	TISSUE	1								✓			Homogenize and composite, see attached table
6	LDW-Y3-LBS-SU-ENR+AC-4C-CLAM	9/24/20	1212	TISSUE	1								✓			Homogenize and composite, see attached table
7	LDW-Y3-LBS-SU-ENR+AC-5A-CLAM	9/24/20	1116	TISSUE	1								✓			Homogenize and composite, see attached table
8	LDW-Y3-LBS-SU-ENR+AC-5B-CLAM	9/24/20	1140	TISSUE	1								✓			Homogenize and composite, see attached table
9	LDW-Y3-LBS-SU-ENR+AC-5C-CLAM	9/24/20	936	TISSUE	1								✓			Homogenize and composite, see attached table
10	LDW-Y3-LBS-SU-ENR+AC-6A-CLAM	9/24/20	1445	TISSUE	1								✓			Homogenize and composite, see attached table
11	LDW-Y3-LBS-SU-ENR+AC-6B-CLAM	9/24/20	1135	TISSUE	1								✓			Homogenize and composite, see attached table
12	LDW-Y3-LBS-SU-ENR+AC-6C-CLAM	9/24/20	1019	TISSUE	1								✓			Homogenize and composite, see attached table
13	LDW-Y3-LBS-1-CLAM-BAS	9/24/20	1500	TISSUE	1								✓			Homogenize and composite, see attached table
14	LDW-Y3-LBS-2-CLAM-BAS	9/24/20	1504	TISSUE	1								✓			Homogenize and composite, see attached table
15	LDW-Y3-LBS-3-CLAM-BAS	9/24/20	1513	TISSUE	1								✓			Homogenize and composite, see attached table

15
16
17

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

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****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
19	1	LDW-Y3-LBS-1-WORM-BAS	8/27/2020	1656	TISSUE	1								✓			Homogenize and composite, see attached table
20	2	LDW-Y3-LBS-2-WORM-BAS	8/27/2020	1656	TISSUE	1								✓			Homogenize and composite, see attached table
21	3	LDW-Y3-LBS-3-WORM-BAS	8/27/2020	1656	TISSUE	1								✓			Homogenize and composite, see attached table
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																

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Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. [illegible] Michelle Knowlen ①	~~9/30/20~~ 10/5/20	1230	K Christensen	10-6-20	10:05AM

① wrong date

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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

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

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

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Sample Login Form

FAL Project ID: **13383**

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:	22
Duplicates:	0
Storage Location:	F-4

Method of Delivery:	Fed-Ex
Tracking Number:	771709576007
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

Frontier Analytical Laboratory
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CLIENT INFORMATION
INVOICE INFOR
REPORT INFORMATION
REPORT DISTR
13380
13383
13383-008-SA
13383-009-SA
13383-010-SA
13383-011-SA
13383-012-SA
13383-013-SA
13383-001-SA
13383-002-SA
13383-003-SA
13383-004-SA
13383-005-SA
13383-006-SA
2020/10/06

Frontier Analytical Laboratory
13383-019-SA
Client ID: LDW-Y3-LBS-1-WORM-BAS
Storage: F-4 (01 of 01)
Comments:
Frontier Analytical Laboratory
13383-020-SA
Client ID: LDW-Y3-LBS-2-WORM-BAS
Storage: F-4 (01 of 01)
Comments:
Frontier Analytical Laboratory
13383-021-SA
Client ID: LDW-Y3-LBS-3-WORM-BAS
Storage: F-4 (01 of 01)
Comments:
Frontier Analytical Laboratory
13383-015-SA
Client ID: LDW-Y3-LBS-1-CLAM-BAS
Storage: F-4 (01 of 01)
Comments:
Frontier Analytical Laboratory
13383-016-SA
Client ID: LDW-Y3-LBS-2-CLAM-BAS
Storage: F-4 (01 of 01)
Comments:
Frontier Analytical Laboratory
13383-017-SA
Client ID: LDW-Y3-LBS-3-CLAM-BAS
Storage: F-4 (01 of 01)
Comments:
13380
13383
2020/10/06

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PROJECT REQUEST SHEET

Project #:	13383	Sample #:	~~1-22~~ 7, 14, 18, 22 KC 10·6·20	Client Manager:	BS
Client:	Floyd | Snider			Hold Time:	08/26/2021
Matrix:	Tissue	Extraction Batch:	5499	Due Date:	10/28/2020
Method:	EPA 1668 PCB			Storage:	F-4
SOP:	SOPs: EP1A Rev.15/IP1A Rev.12				

COMMENTS/INSTRUCTIONS:

Results: 13383

Extract/s located in box: H_2O_2

Standards: 13383

Instrument:

DB5MS	____
007-225	____
DB1MS	~~FD14~~
Other	____

Frontier Analytical Laboratory
Percent Lipids

FAL Project: 13383

Sample ID	Chemist	Date	RB and Residue Weight (g)	Empty RB Weight (g)	(g) Lipids	%Lipids
13383-001-0001-SA	See	other	%	lipids	Sheet. KC	10·27·20
13383-002-0001-SA	↓	↓	↓	↓	↓	↓
13383-003-0001-SA	↓	↓	↓	↓	↓	↓
13383-004-0001-SA	↓	↓	↓	↓	↓	↓
13383-005-0001-SA	↓	↓	KC 10·27·20 ↓	↓	↓	↓
13383-006-0001-SA	↓	↓	0.7934g	↓	↓	↓
13383-007-0001-SA	KC	10·27·20	~~0.7902~~g	0.7902g	0.0032g	0.38%
13383-008-0001-SA	See	other	%	lipids	Sheet KC	10·27·20
13383-009-0001-SA	↓	↓	↓	↓	↓	↓
13383-010-0001-SA	↓	↓	↓	↓	↓	↓
13383-011-0001-SA	↓	↓	↓	↓	↓	↓
13383-012-0001-SA	↓	↓	↓	↓	↓	↓
13383-013-0001-SA	↓	↓	↓	↓	↓	↓
13383-014-0001-SA	KC	10·27·20	0.7770g	0.7738g	0.0032g	0.48%
13383-015-0001-SA	See	other	%	lipids	Sheet. KC	10·27·20
13383-016-0001-SA	↓	↓	↓	↓	↓	↓
13383-017-0001-SA	↓	↓	↓	↓	↓	↓
13383-018-0001-SA	KC	10·27·20	0.7800g	0.7769g	0.0031g	0.30%
13383-019-0001-SA	See	other	%	lipids	sheet. KC	10·27·20
13383-020-0001-SA	↓	↓	↓	↓	↓	↓
13383-021-0001-SA	↓	↓	↓	↓	↓	↓
13383-022-0001-SA	KC	10·27·20	0.7932g	0.7890g	0.0042g	0.65%

Frontier Analytical Laboratory
EXTRACTION SHEET

Project #: 13383 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
13380 05499-001-0001-MB					
05499-001-0001-OPR					
13383-007-0001-SA	8.43g	NA	KC 10-27-20	NA	KC RR 10-29-20
13383-014-0001-SA	6.64g				
13383-018-0001-SA	10.19g				
13383-022-0001-SA	6.51g				

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 #: 13383

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-MS6 Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 201019A Vial: 1 Chemist/Witness/Date
13380 05499-001-0001-MB				
05499-001-0001-OPR				
13383-007-0001-SA	KC 10-29-20	KC 10-29-20	NA	KC 10-29-20
13383-014-0001-SA	↓	↓	↓	↓
13383-018-0001-SA	↓	↓	↓	↓
13383-022-0001-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: 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

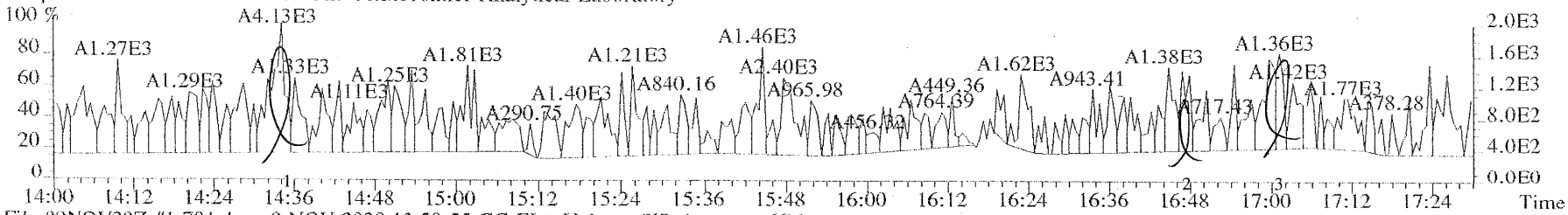
PCB-127	*	*	n	NotFnd	1.12	*		896	928	0.598	
PCB-126	*	*	n	NotFnd	1.20	*		896	928	0.619	
13C-PCB-126	2.36e+07	1.58	y	42:07	1.20	993					99.3
PCB-151	*	*	n	NotFnd	1.02	*		987	789	0.735	
PCB-135	*	*	n	NotFnd	1.08	*		987	789	0.699	
PCB-144	*	*	n	NotFnd	1.08	*		987	789	0.698	
PCB-147	*	*	n	NotFnd	1.13	*		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

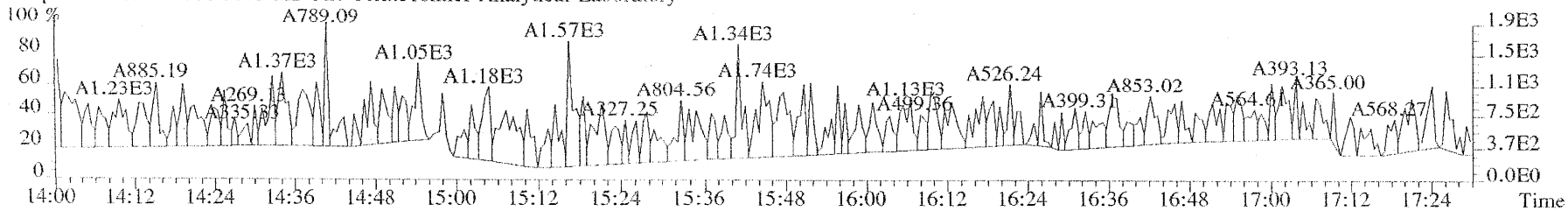
PCB-188	*	*	n	NotFnd	1.10	*	756	648	0.565	
13C-PCB-188	2.15e+07	1.07	y	39:47	1.06	1030				103
PCB-184	*	*	n	NotFnd	1.31	*	756	648	0.451	
PCB-179	*	*	n	NotFnd	1.21	*	756	648	0.488	
PCB-176	*	*	n	NotFnd	1.18	*	756	648	0.502	
PCB-186	*	*	n	NotFnd	1.22	*	756	648	0.486	
PCB-178	*	*	n	NotFnd	0.85	*	756	648	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

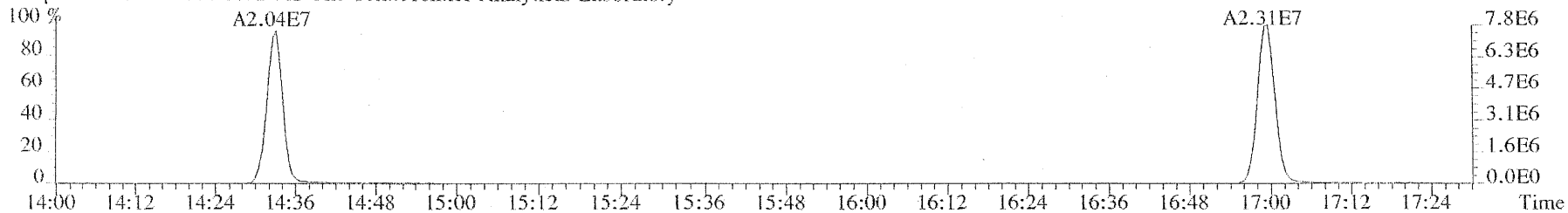
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



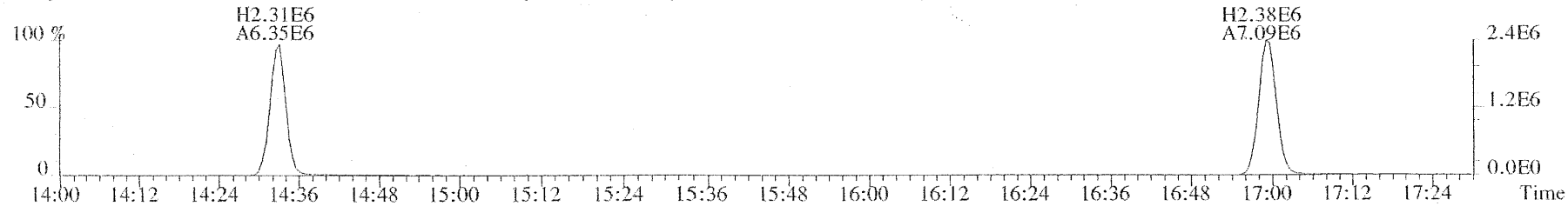
File:09NOV20Z #1-784 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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
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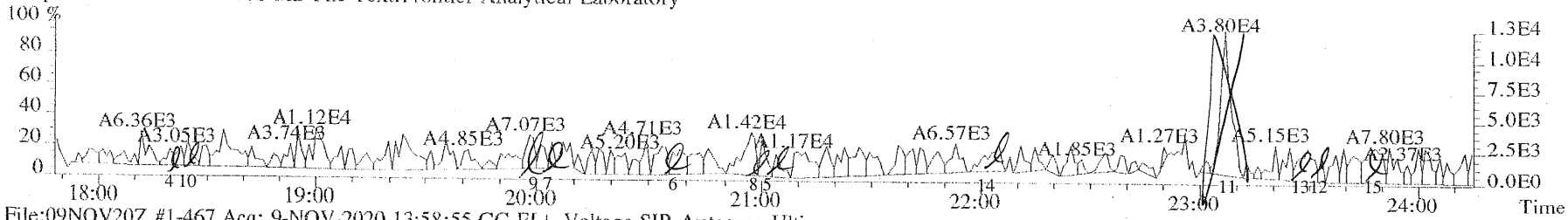
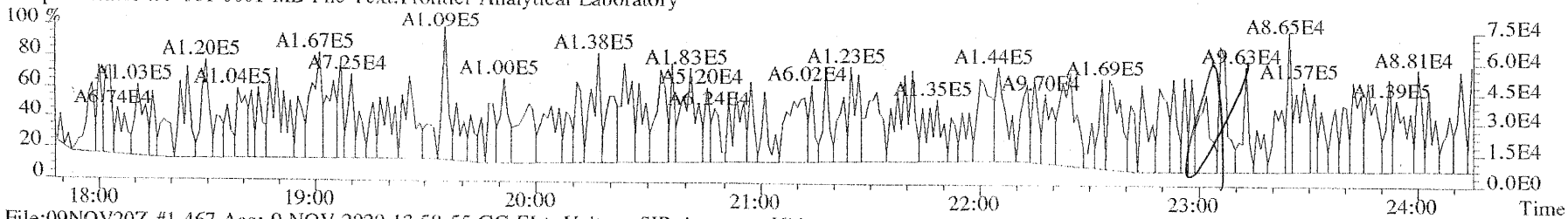
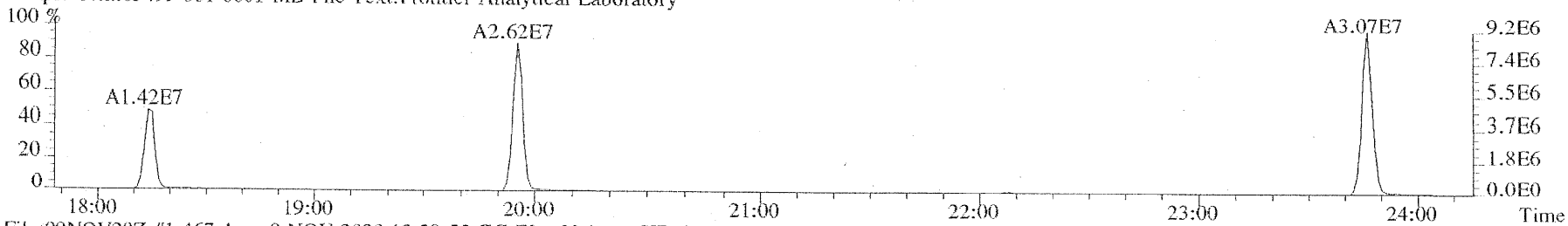


File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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
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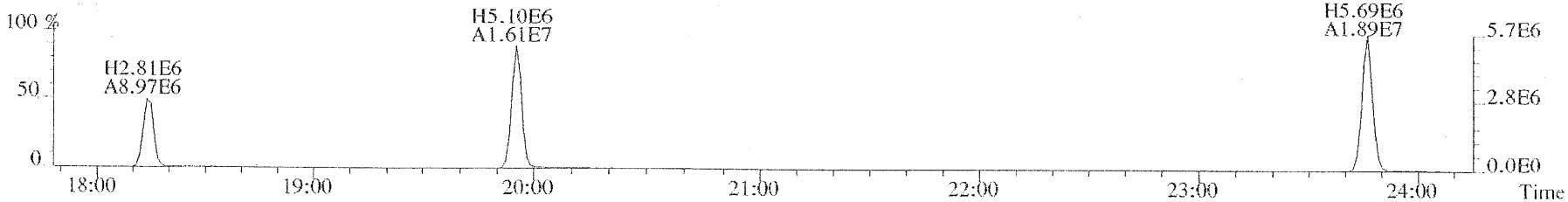

File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
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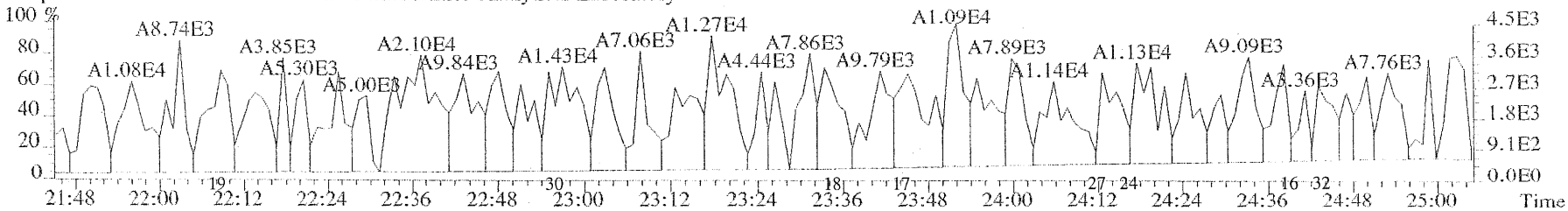
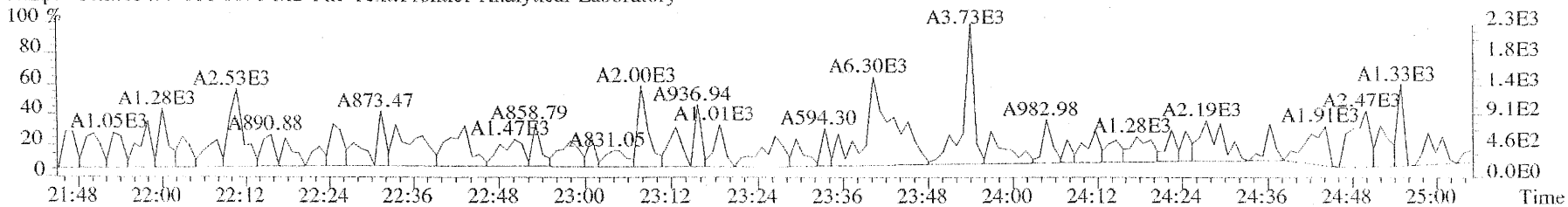
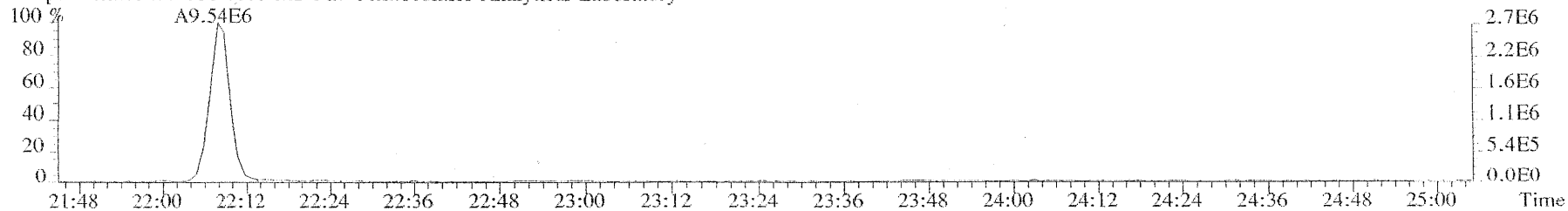


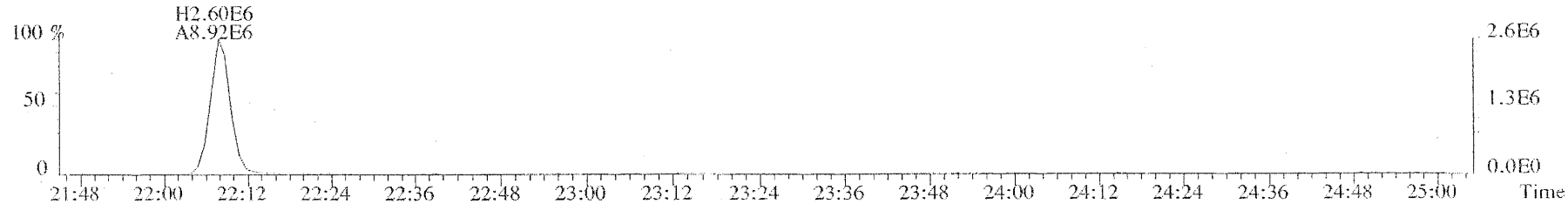
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



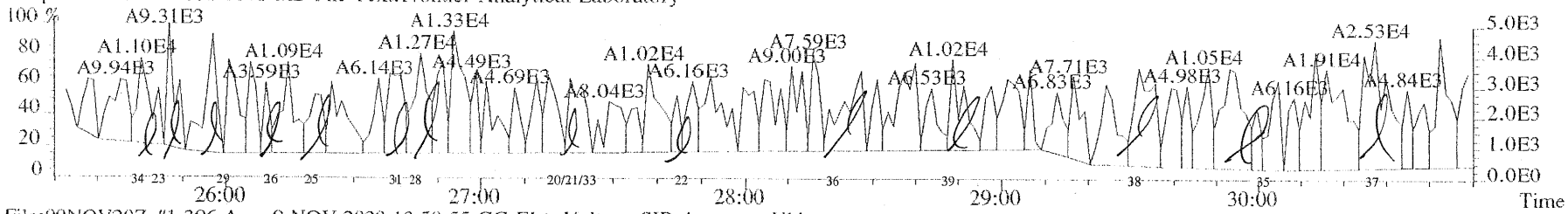
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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



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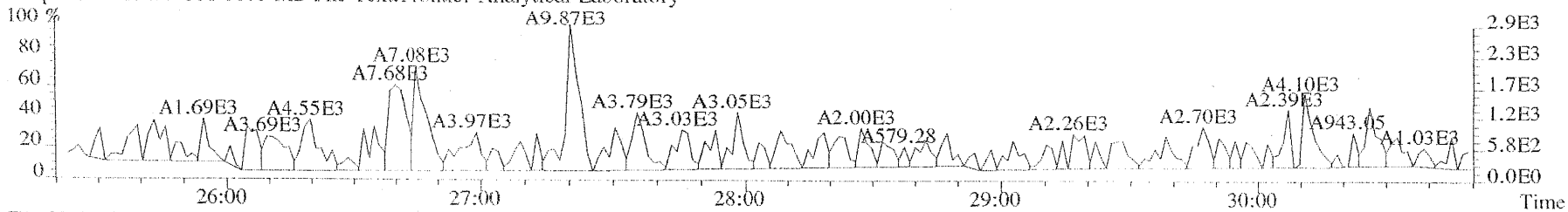
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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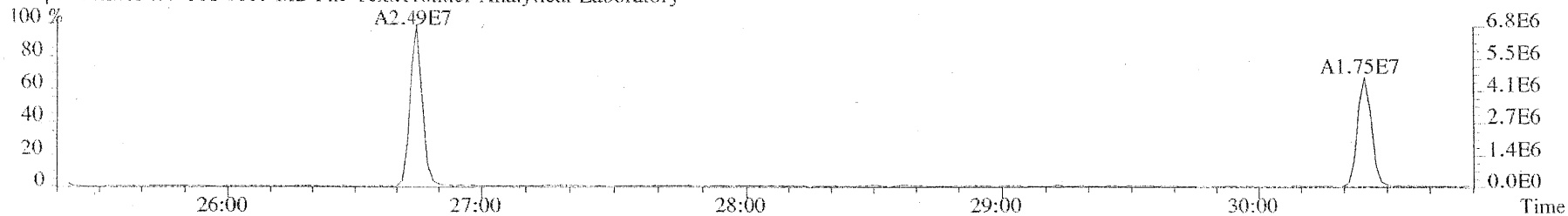
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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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
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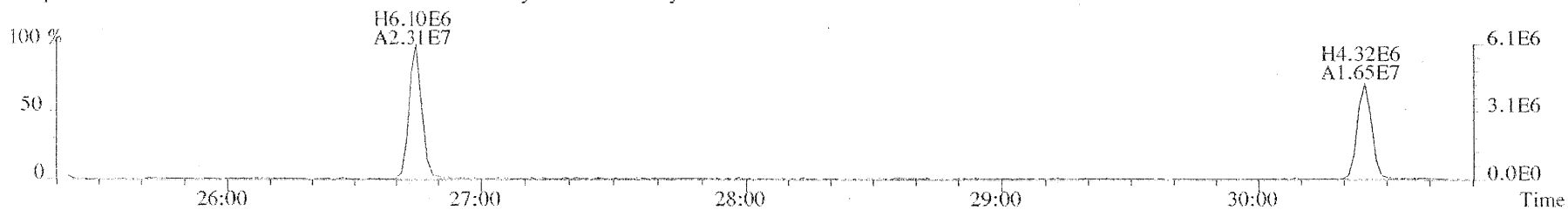
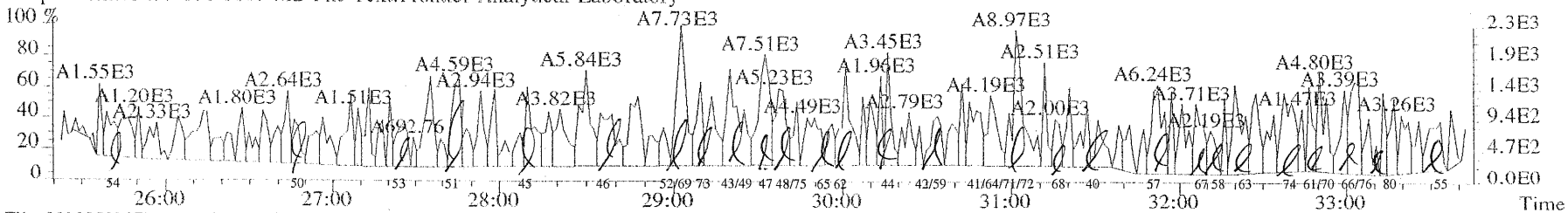


File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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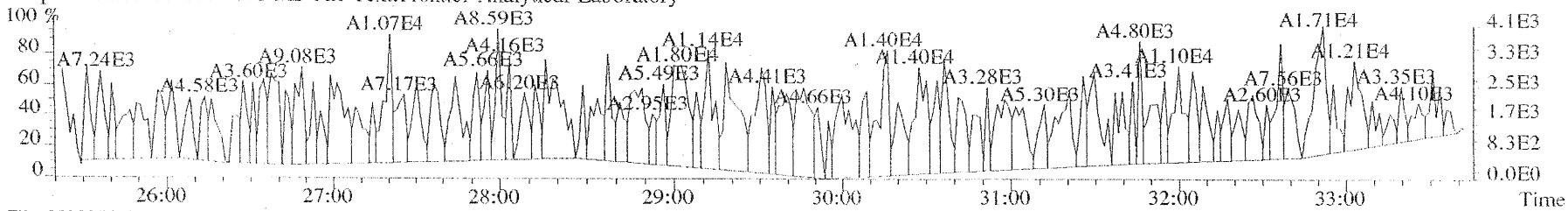
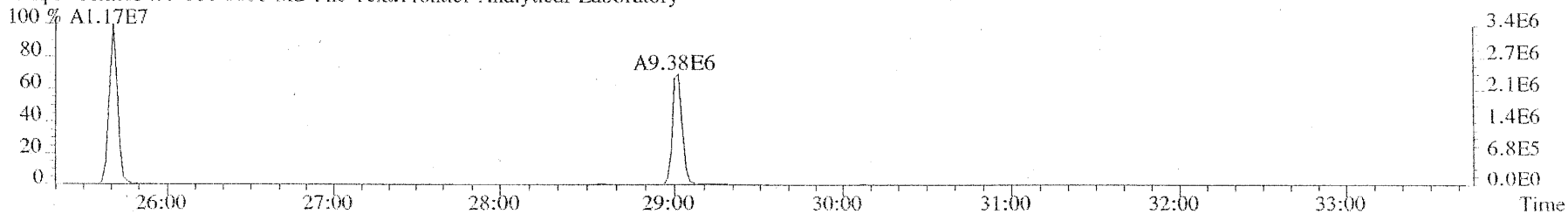
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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



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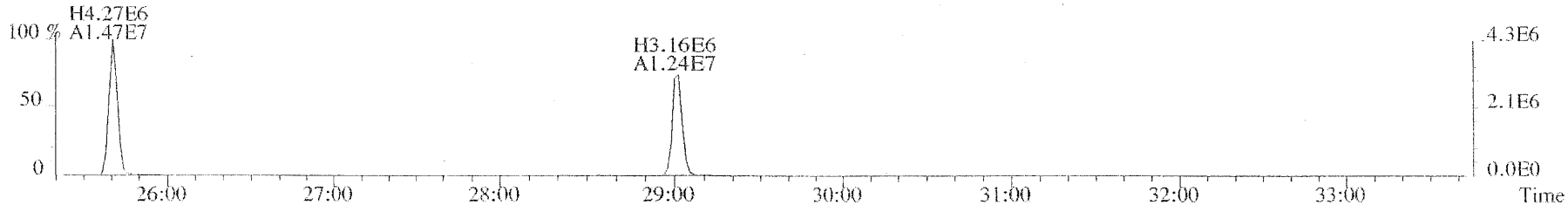
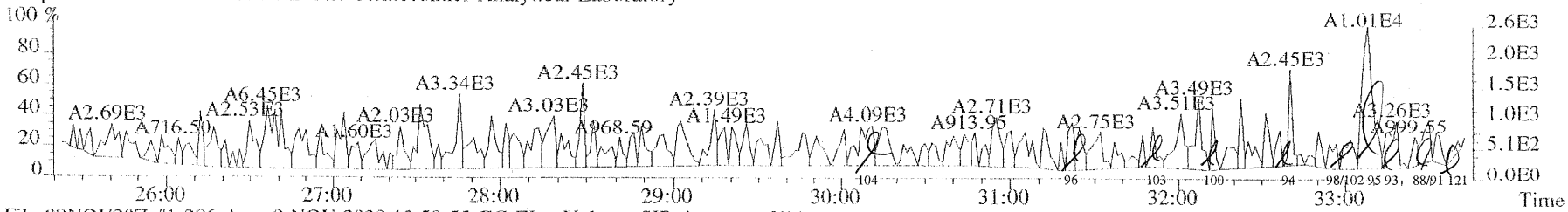
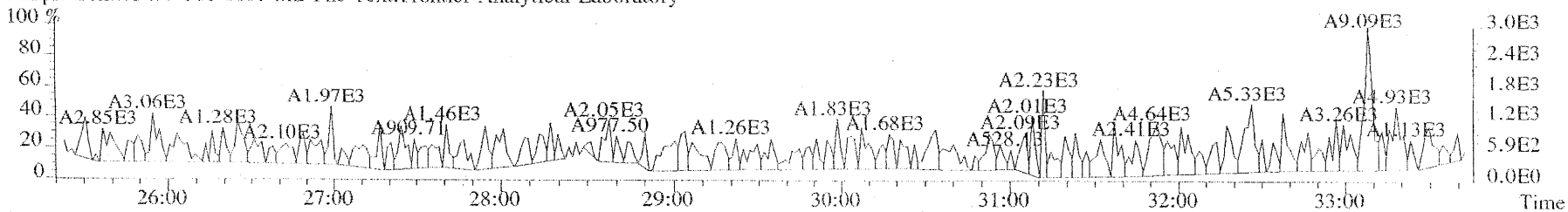
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



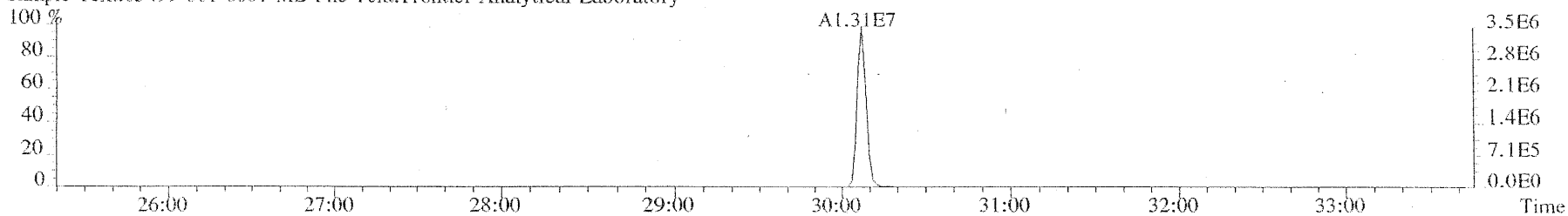
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



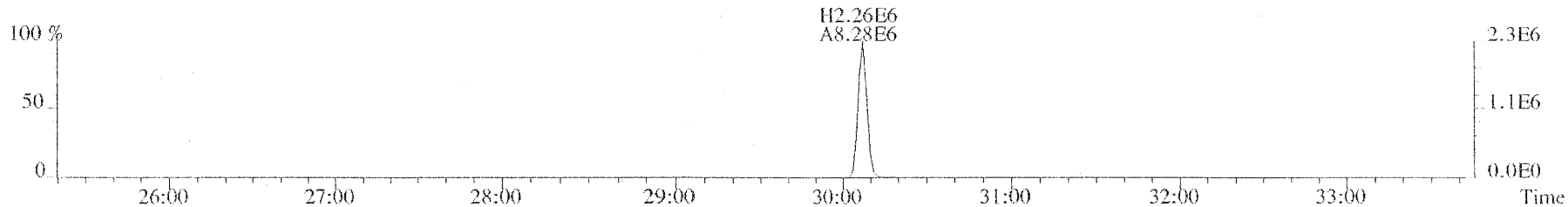
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



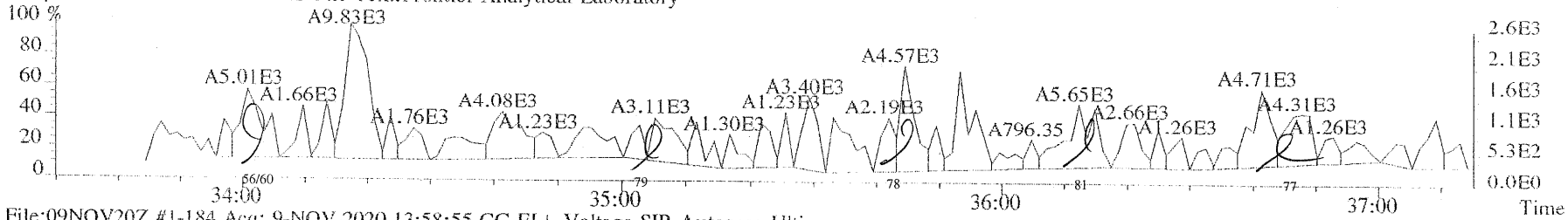
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



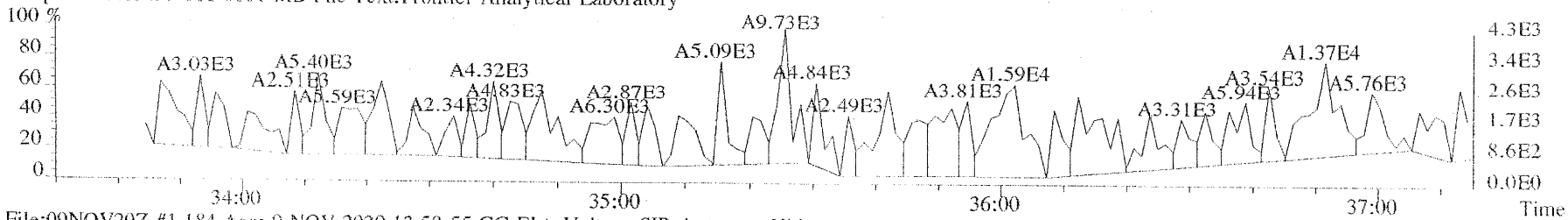
File:09NOV20Z #1-396 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



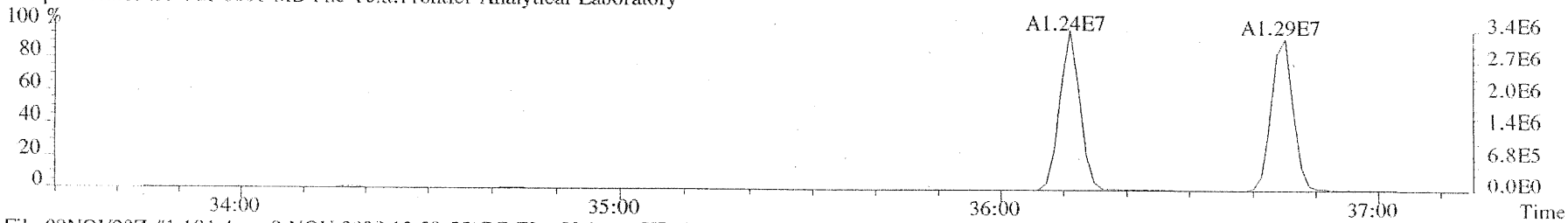
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



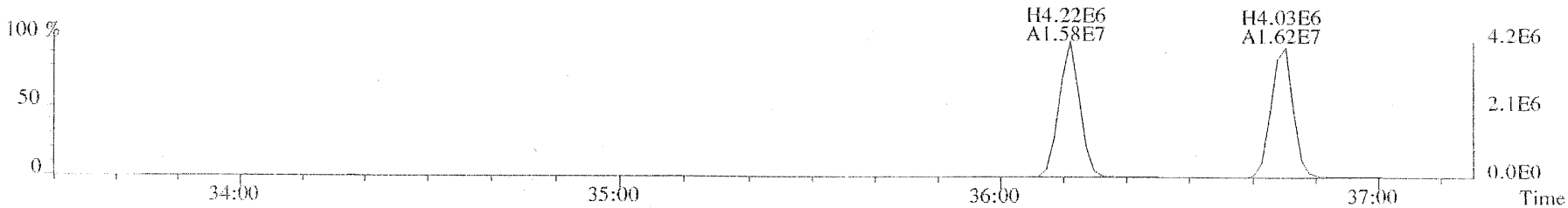
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



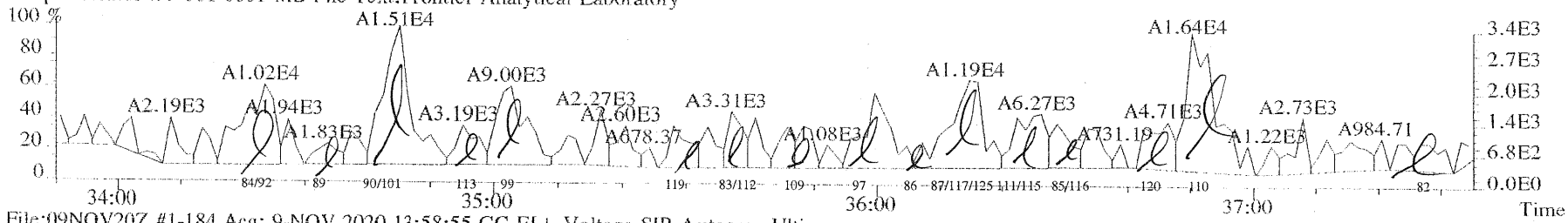
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



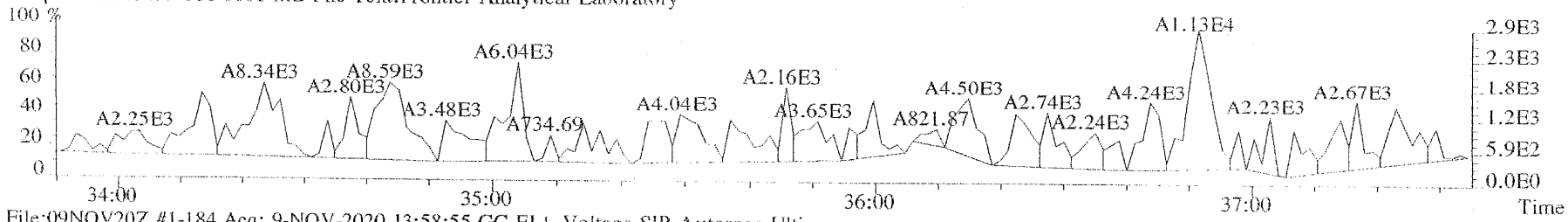
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



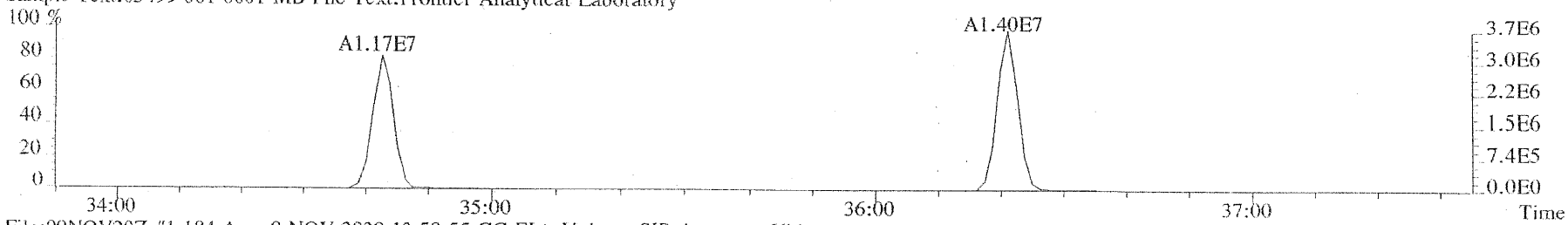
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



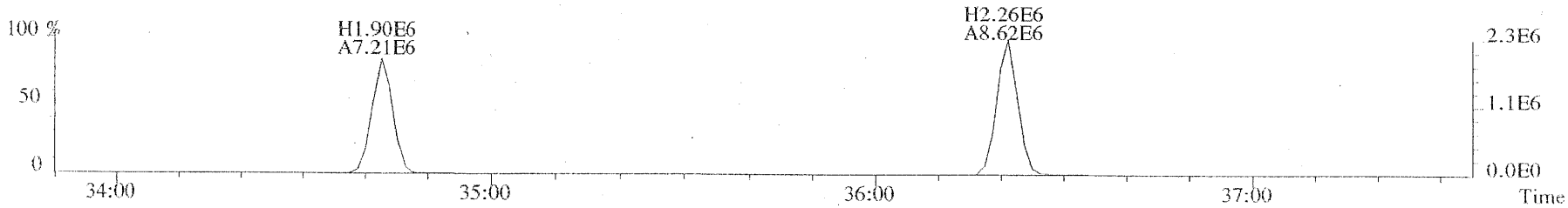
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



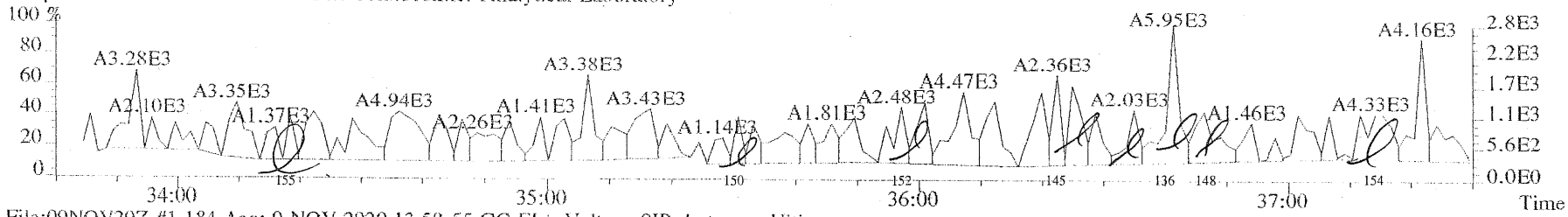
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



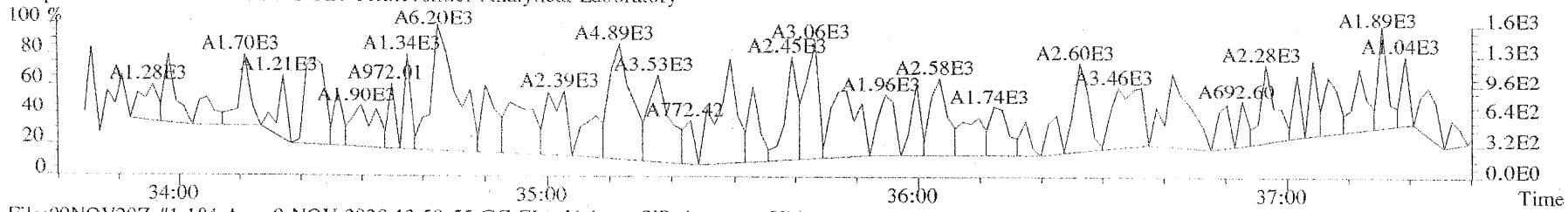
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



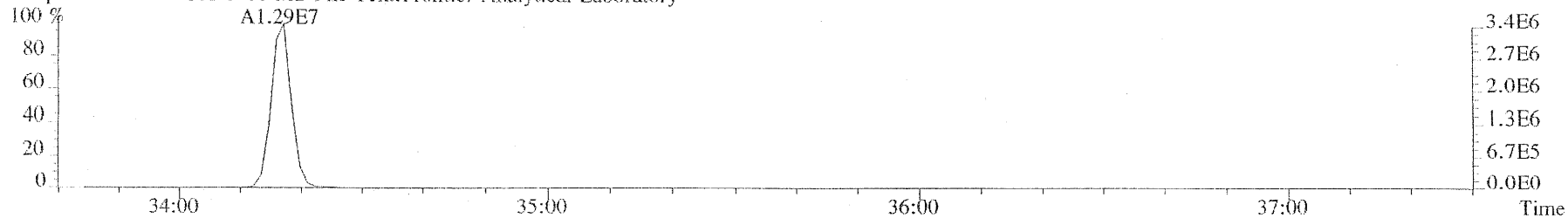
File:09NOV20Z #1-184 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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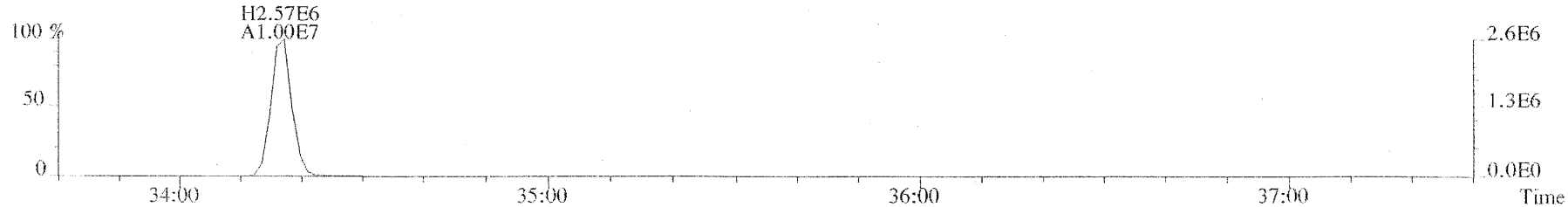
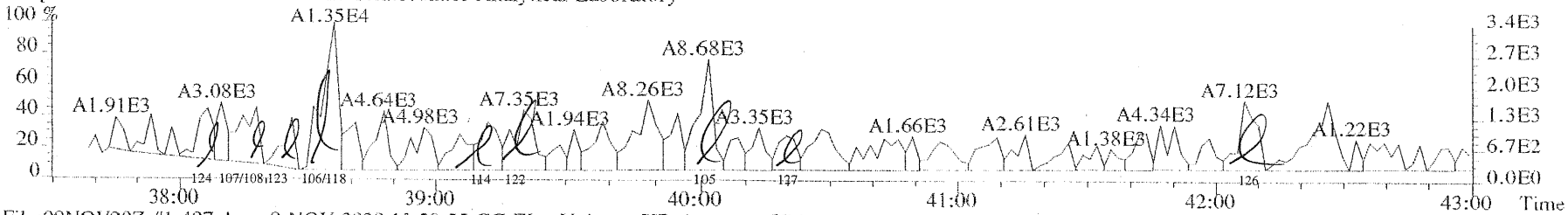
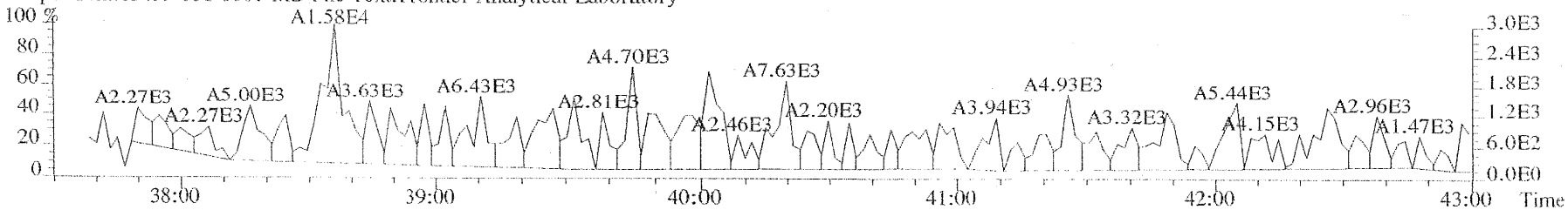
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



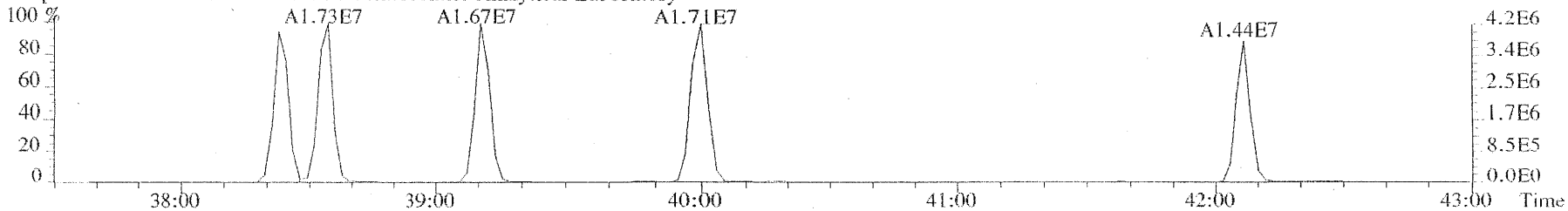
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



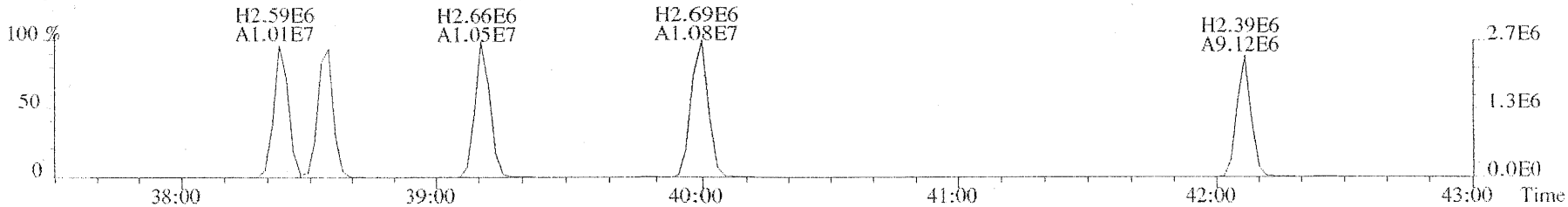
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



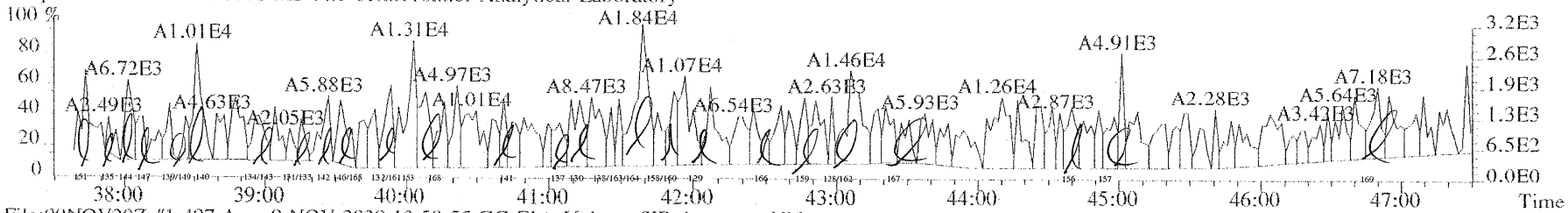
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



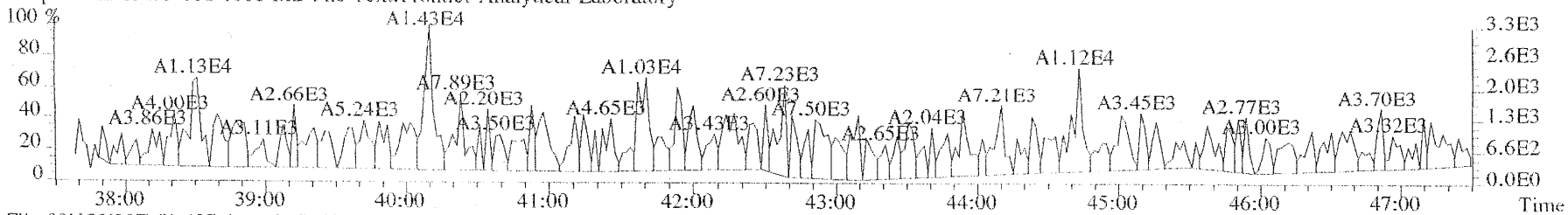
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



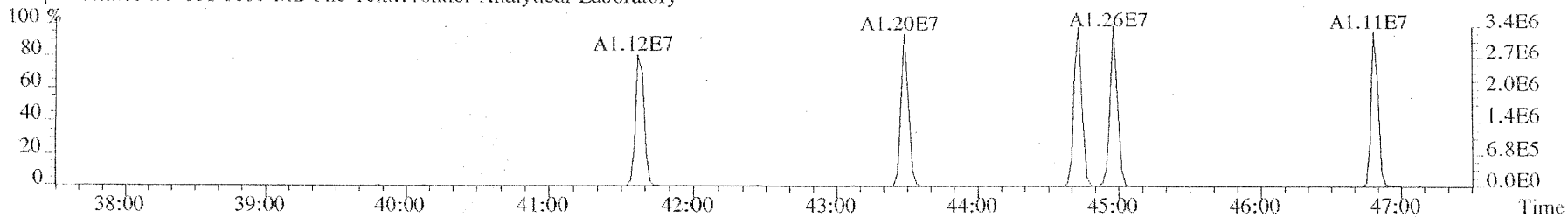
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



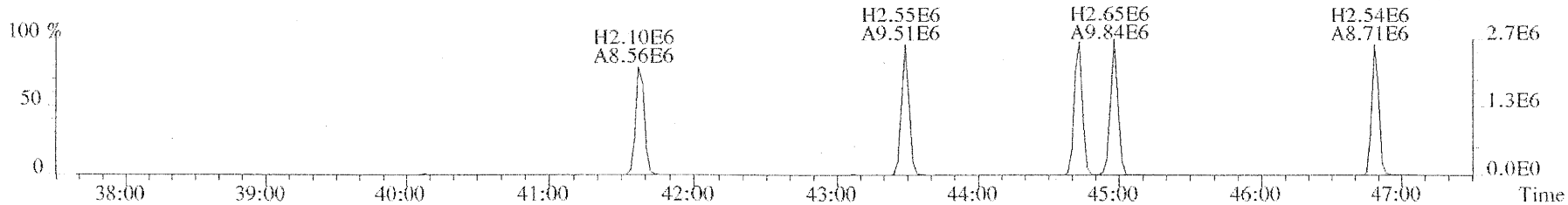
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



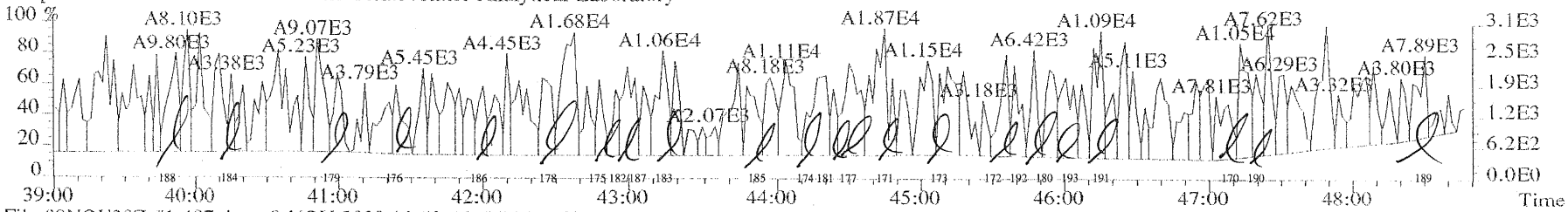
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



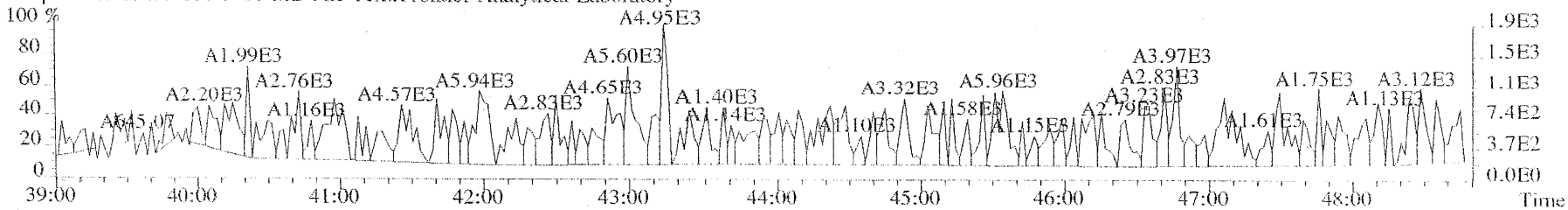
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



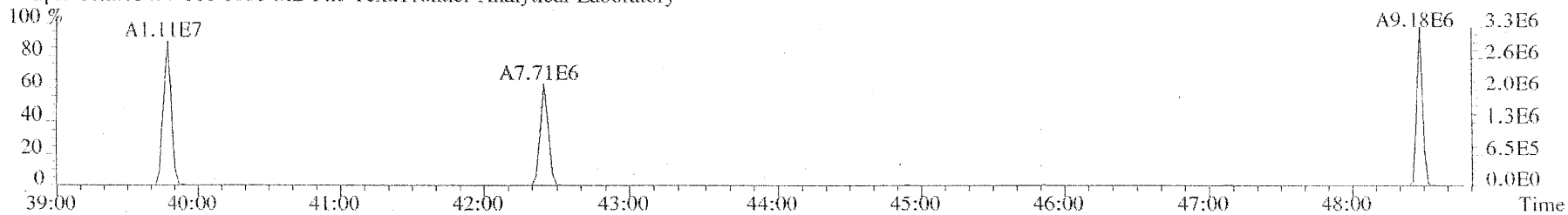
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



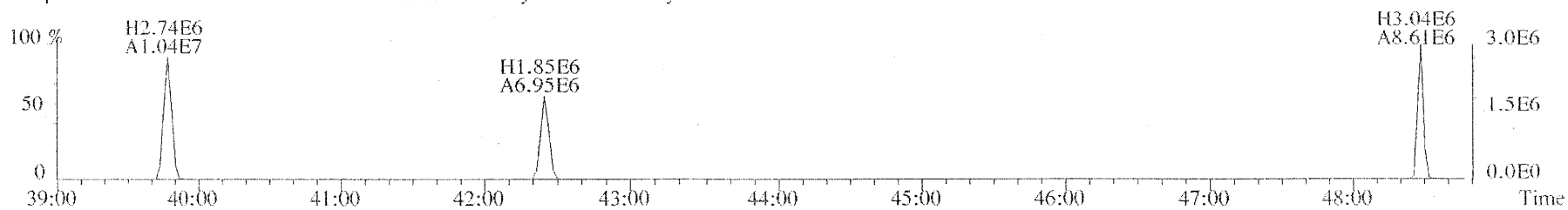
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



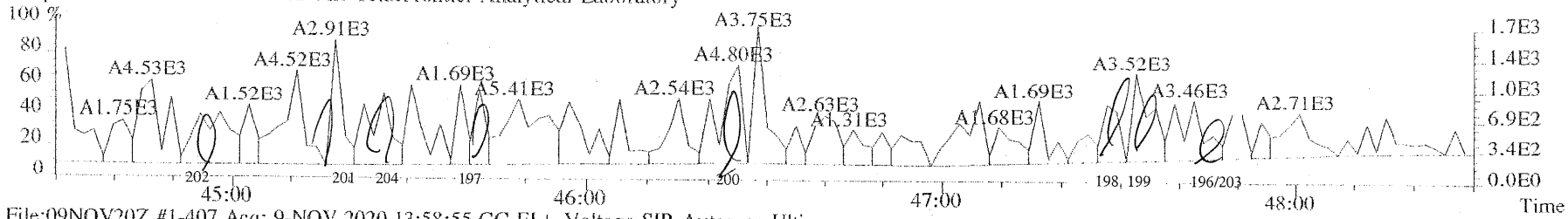
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



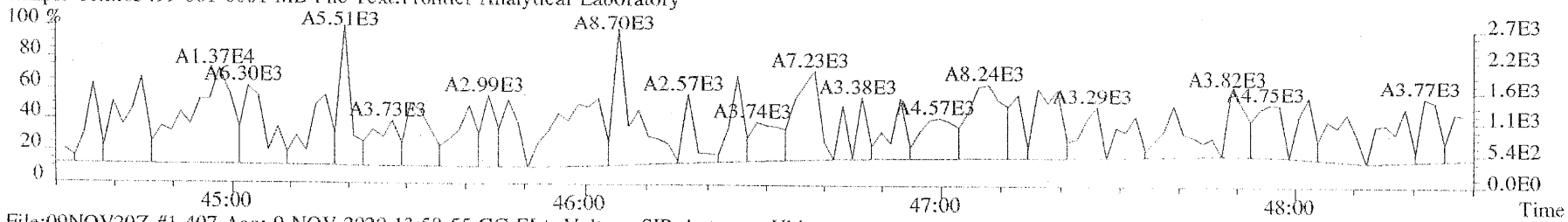
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



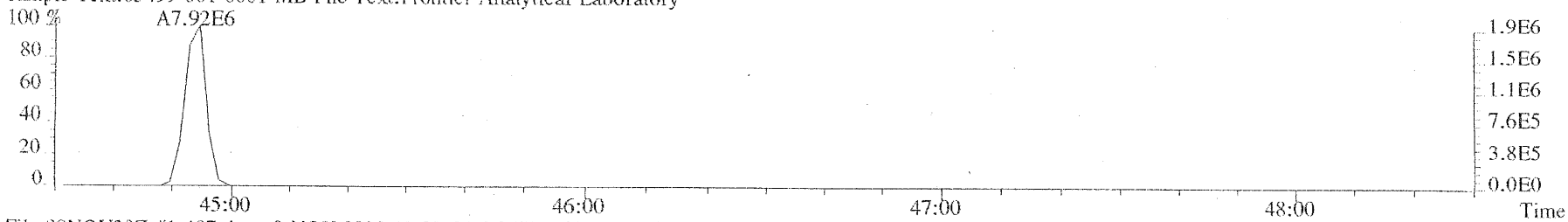
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



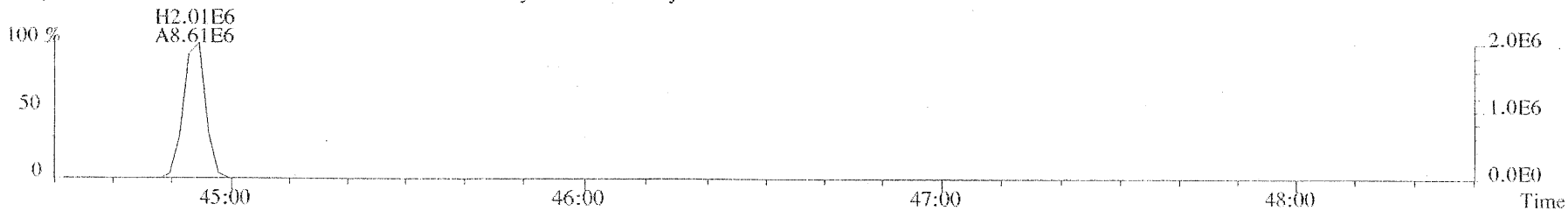
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



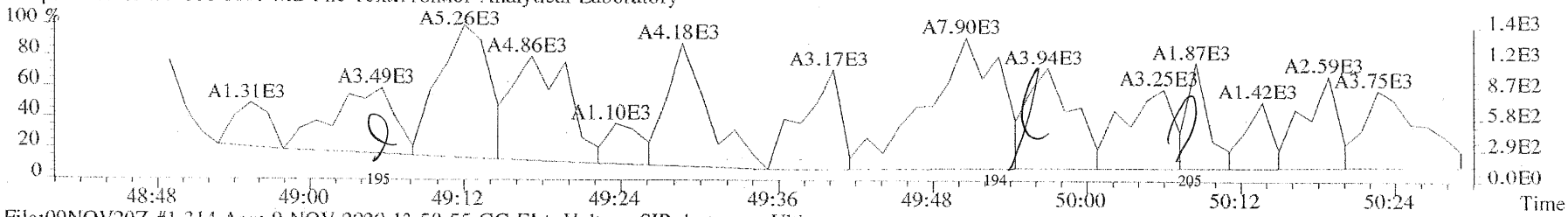
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



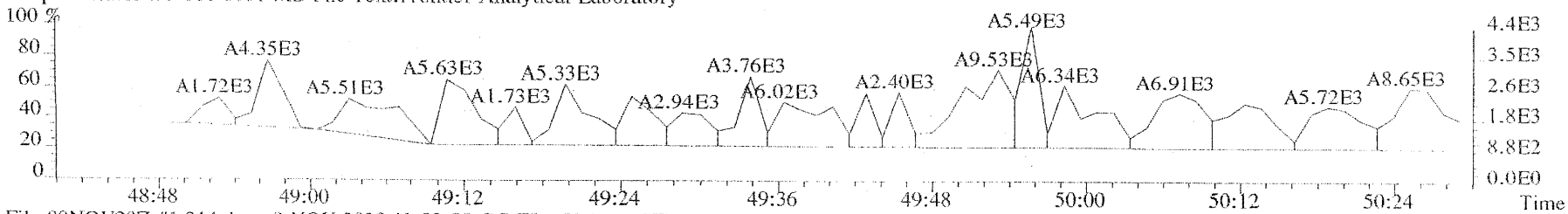
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



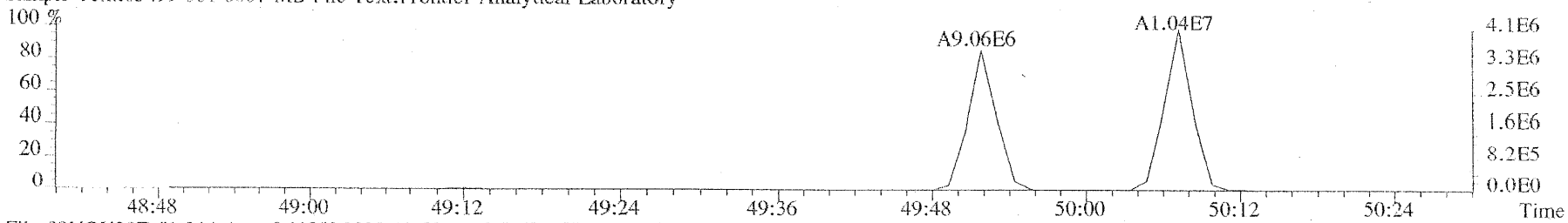
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



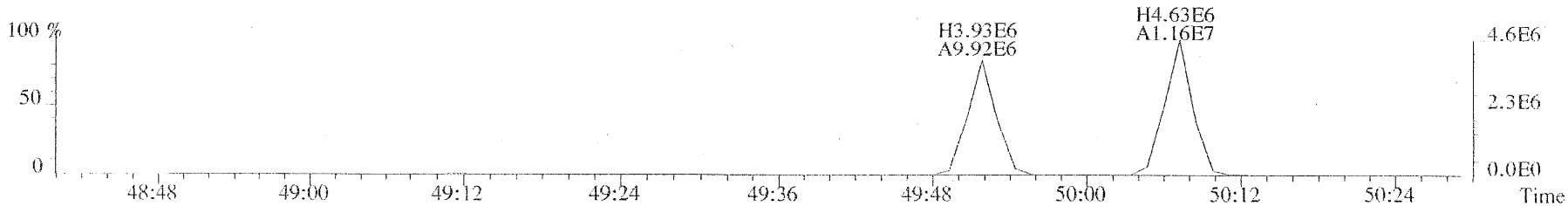
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



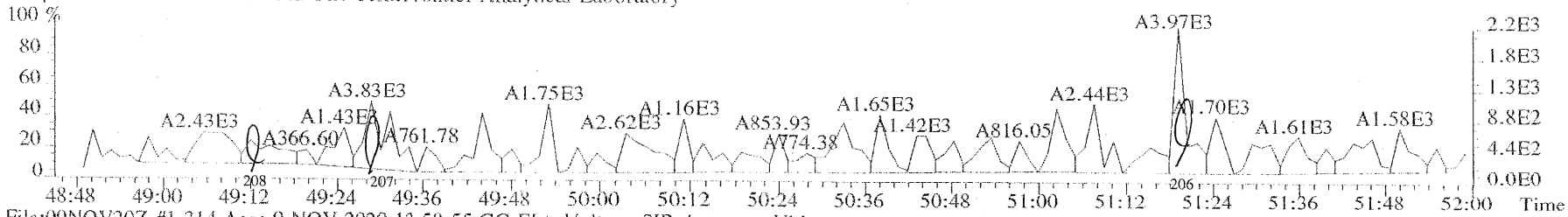
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



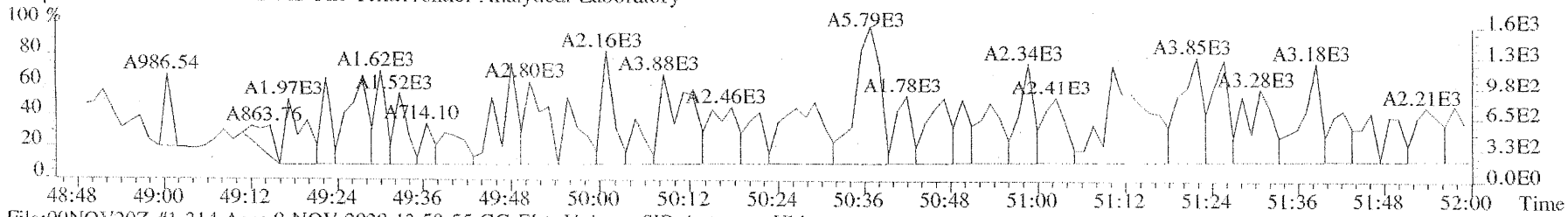
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



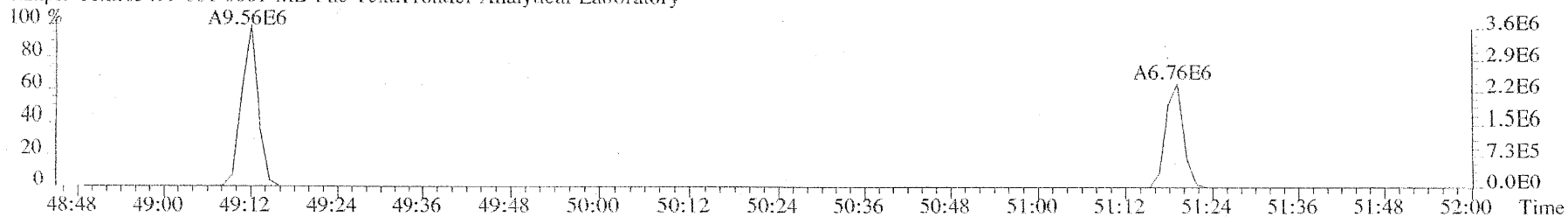
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



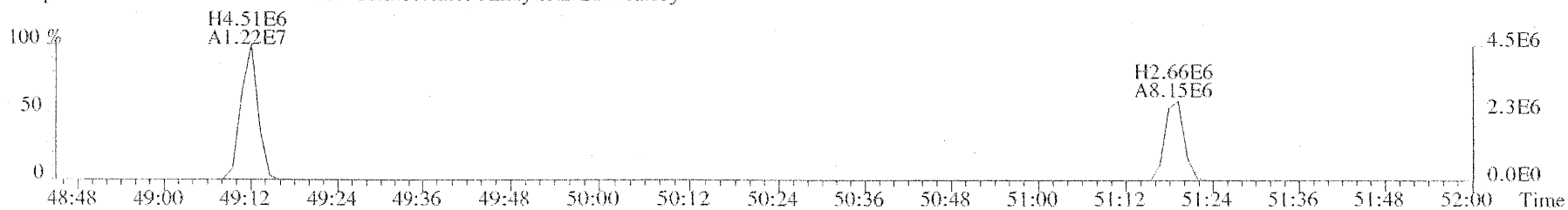
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



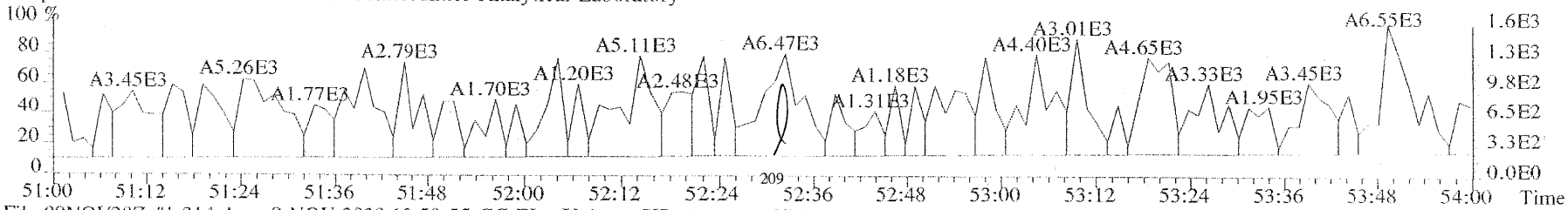
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



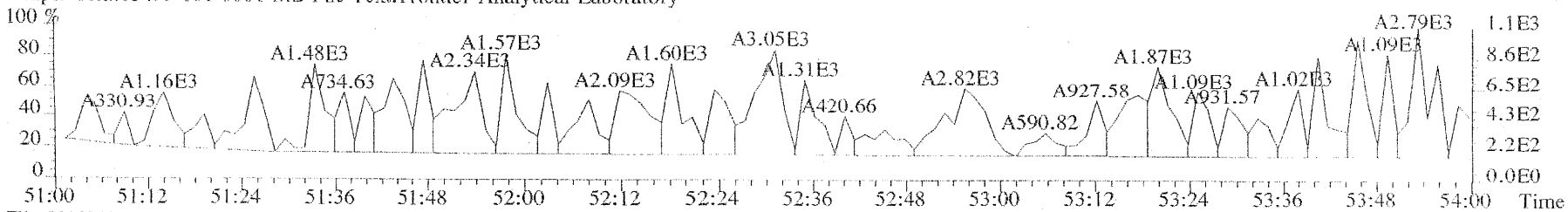
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



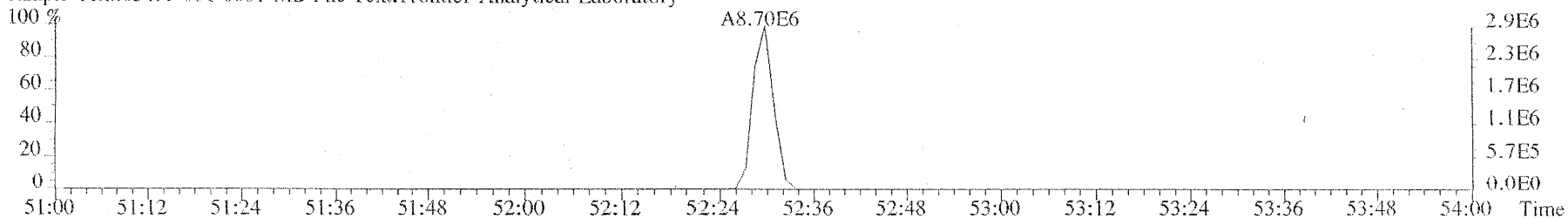
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



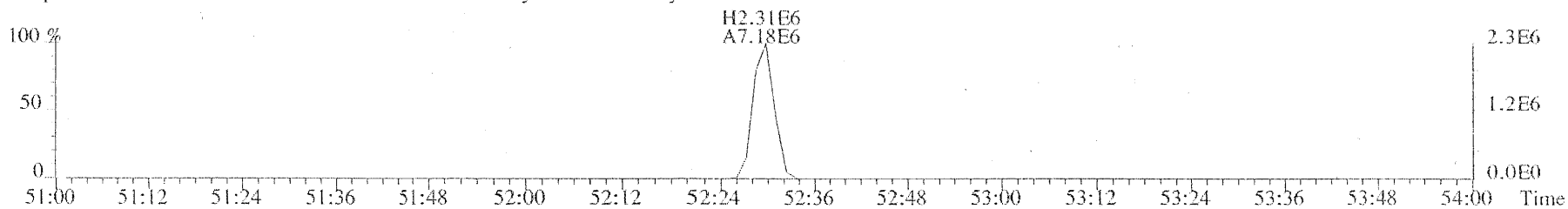
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:58:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-MB File Text:Frontier Analytical Laboratory



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
Client ID: OPR ConCal: ST11092021 EndCal: ST11092022
Results: 13380-21 GC Column: DB1MS Amount: 1.000

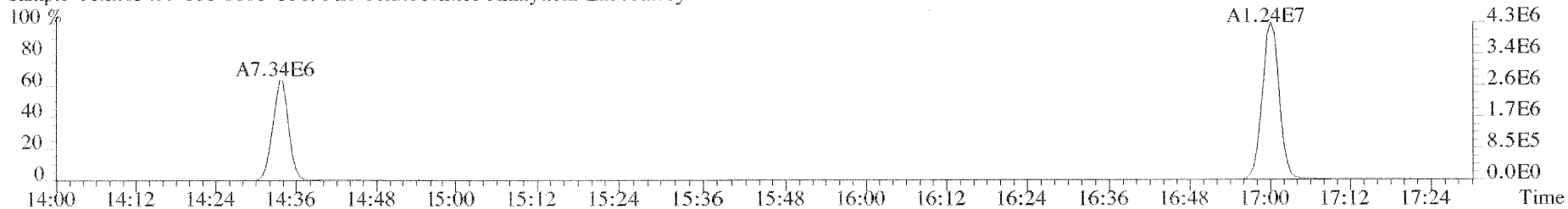
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	9.73e+06	3.07 y	14:33	1.29	47.7		2.50	-	-	*	
13C-PCB-1	1.58e+07	3.22 y	14:33	0.83	45.2		2.50				45.2
PCB-3	1.63e+07	3.13 y	16:60	1.26	49.4		2.50	-	-	*	
13C-PCB-3	2.62e+07	3.21 y	16:59	0.80	78.0		2.50				78.0
PCB-4	1.09e+07	1.41 y	18:15	1.09	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

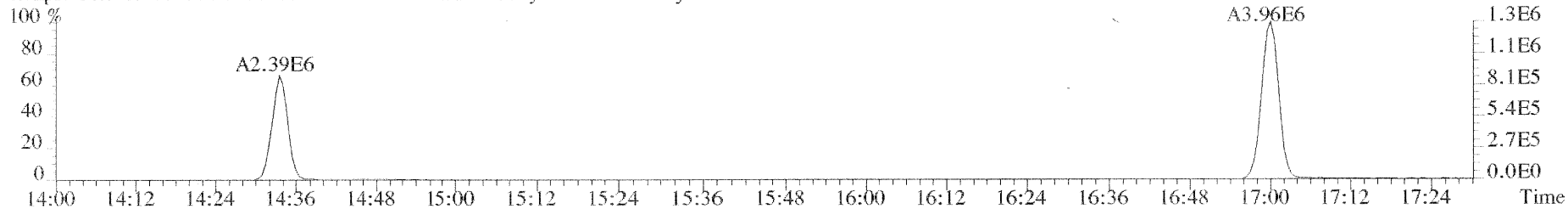
PCB-205	1.07e+07	0.91	y	50:07	1.20	46.8	2.50	-	-	*	
13C-PCB-205	1.91e+07	0.89	y	50:07	1.12	98.1	2.50				98.1
PCB-208	9.57e+06	1.36	y	49:13	1.08	49.0	2.50	-	-	*	
13C-PCB-208	1.80e+07	0.81	y	49:12	1.19	87.4	2.50				87.4
PCB-206	7.17e+06	1.36	y	51:19	1.13	49.4	2.50	-	-	*	
13C-PCB-206	1.29e+07	0.82	y	51:19	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

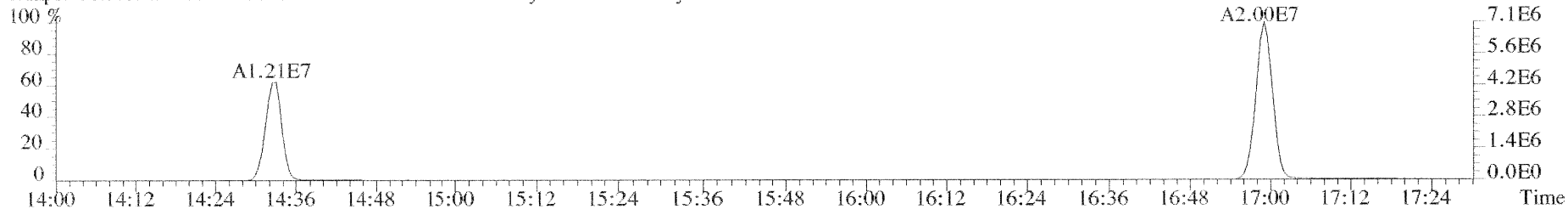
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



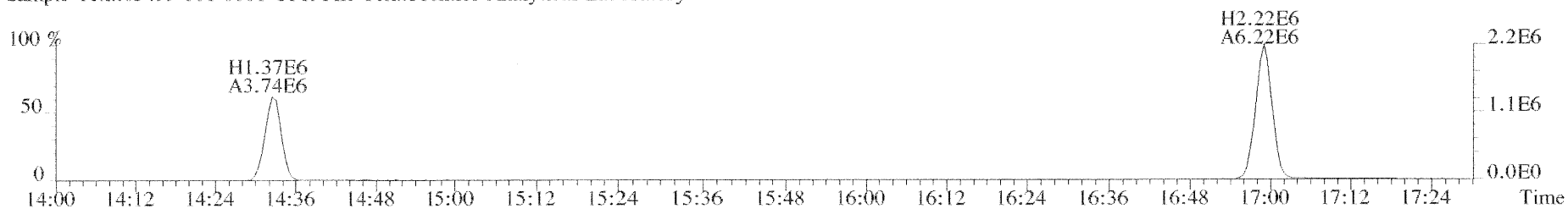
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



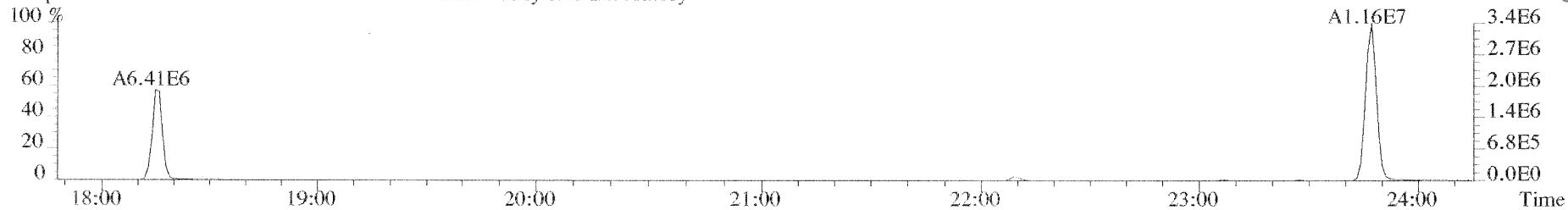
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



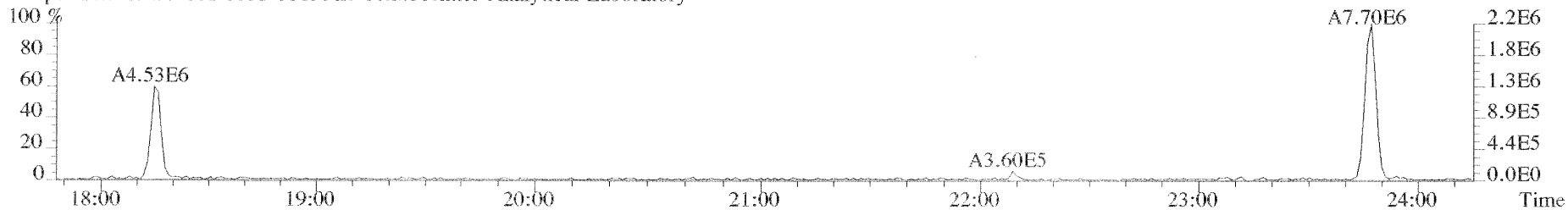
File:09NOV20Z #1-783 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



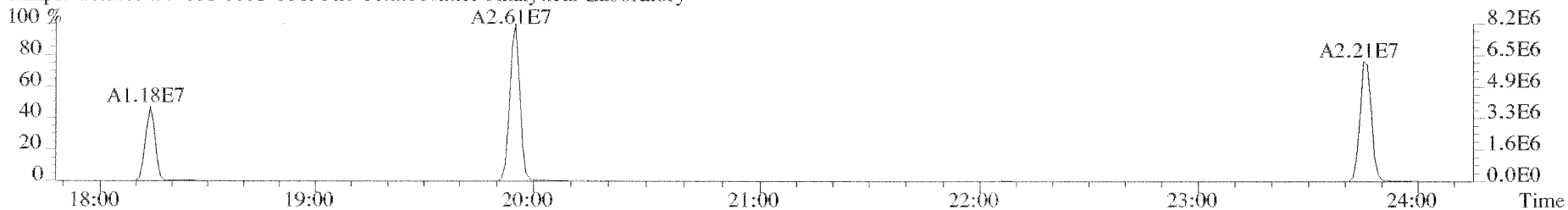
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



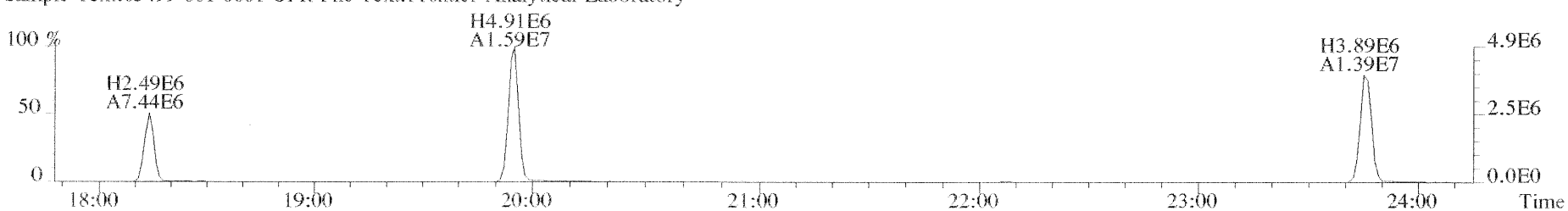
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



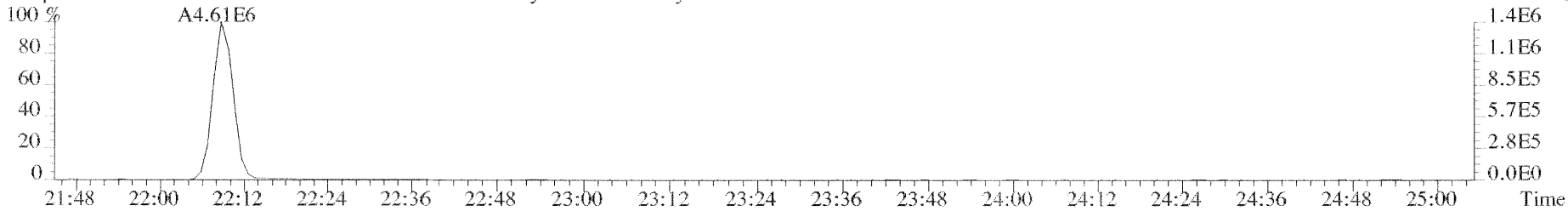
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



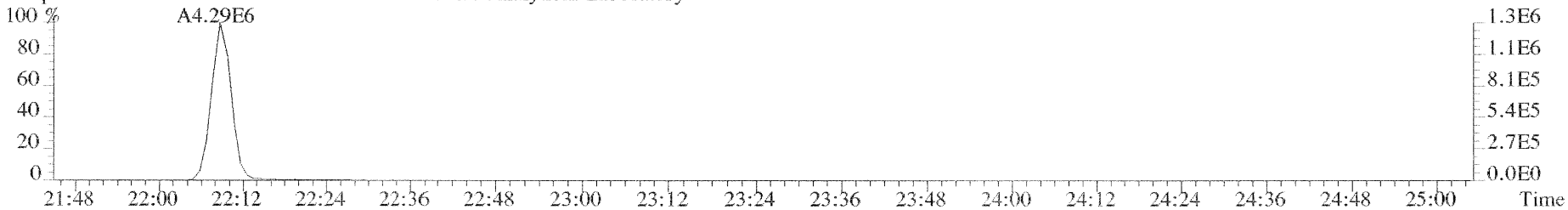
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



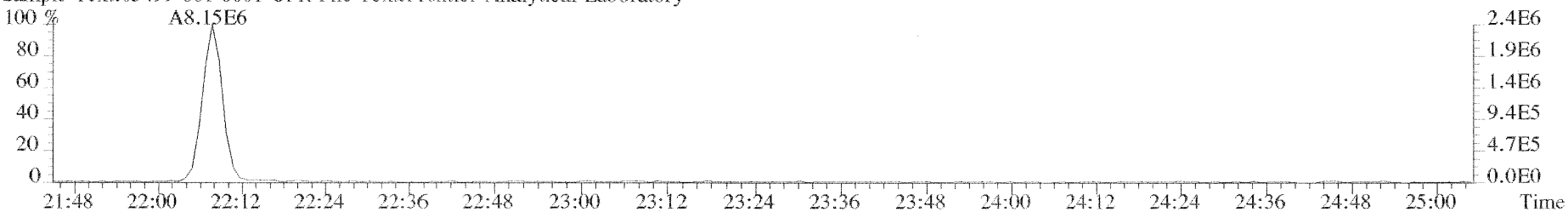
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



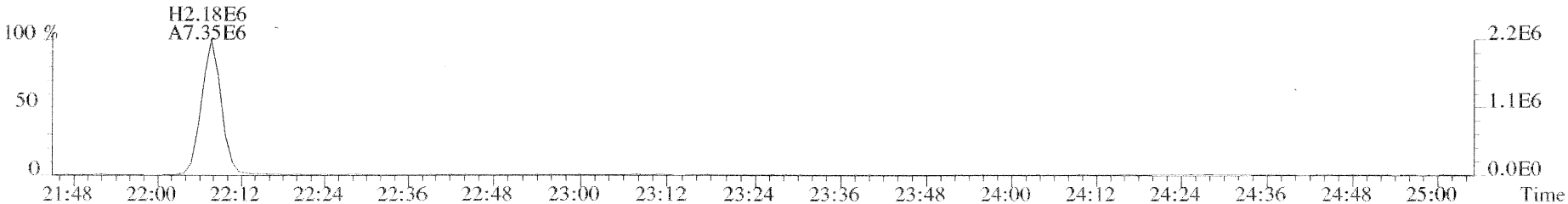
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



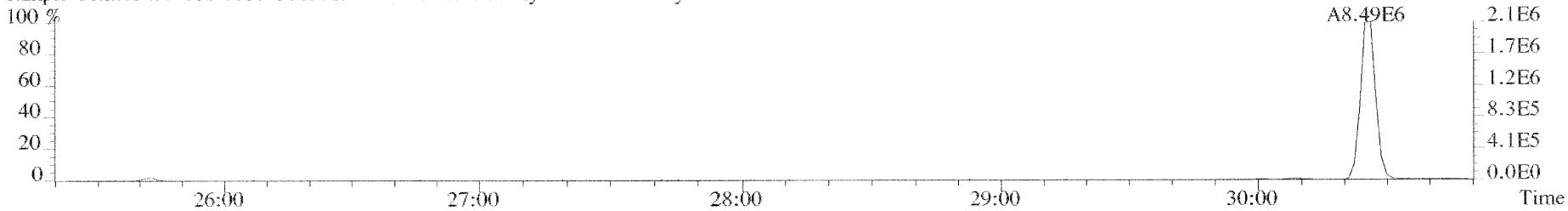
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



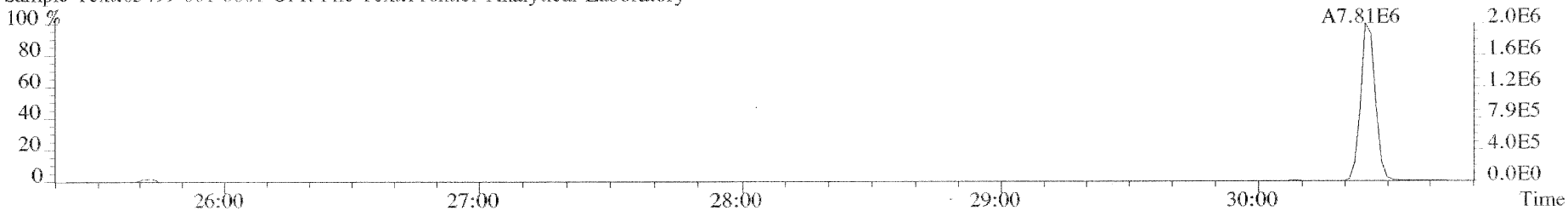
File:09NOV20Z #1-467 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



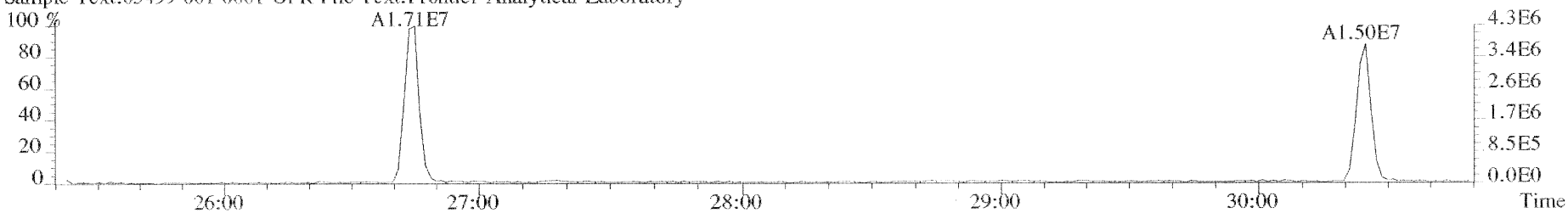
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



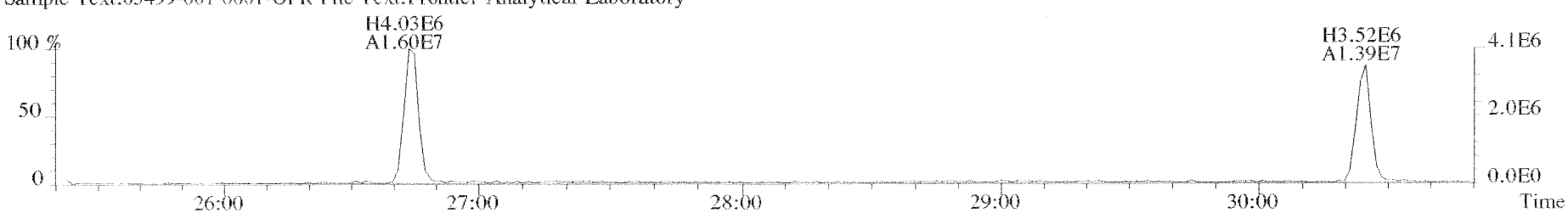
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



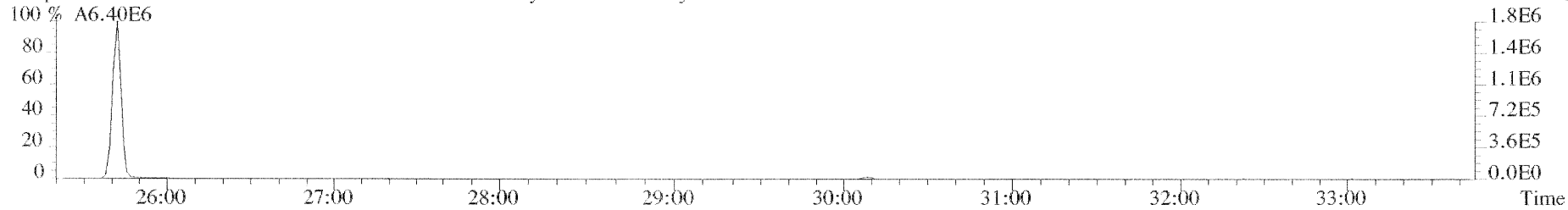
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



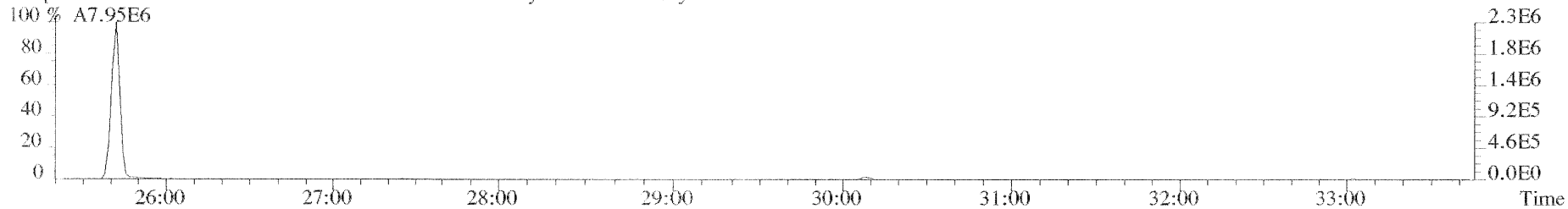
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



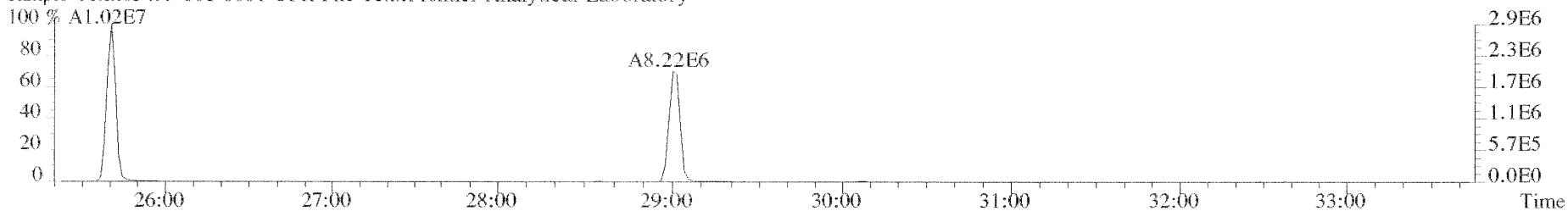
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



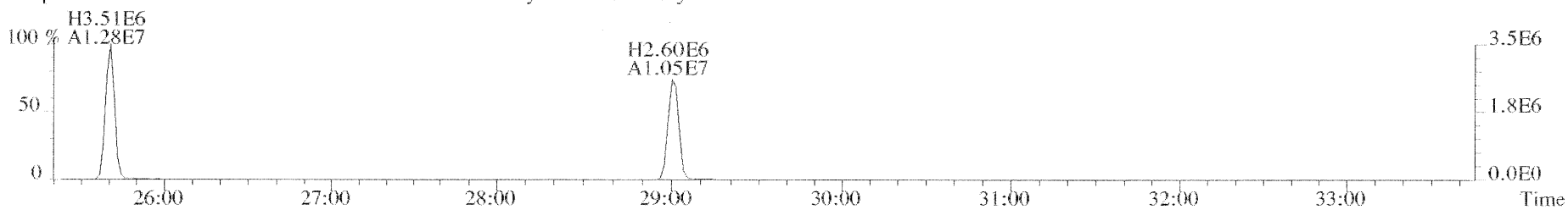
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



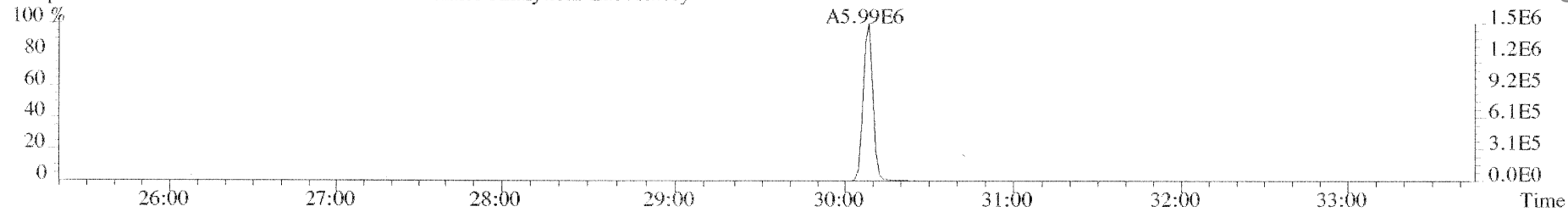
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



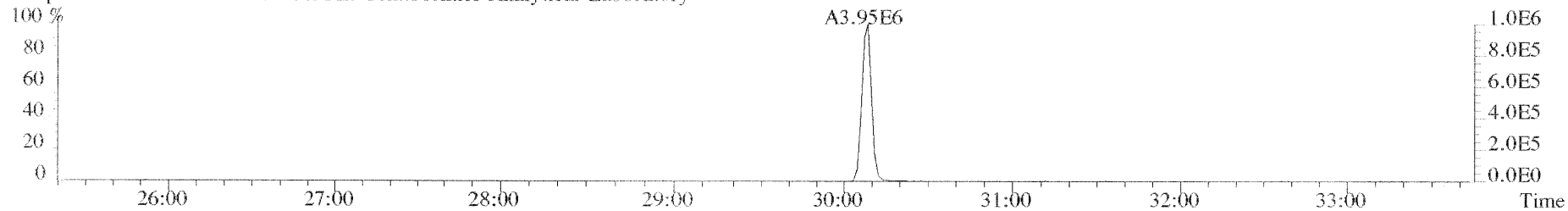
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



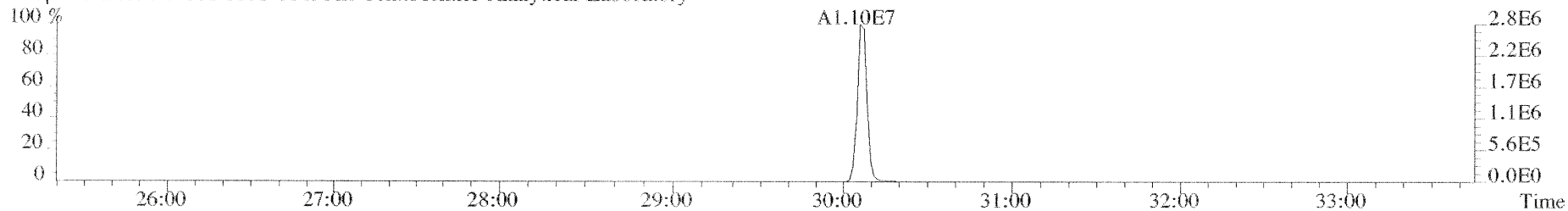
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



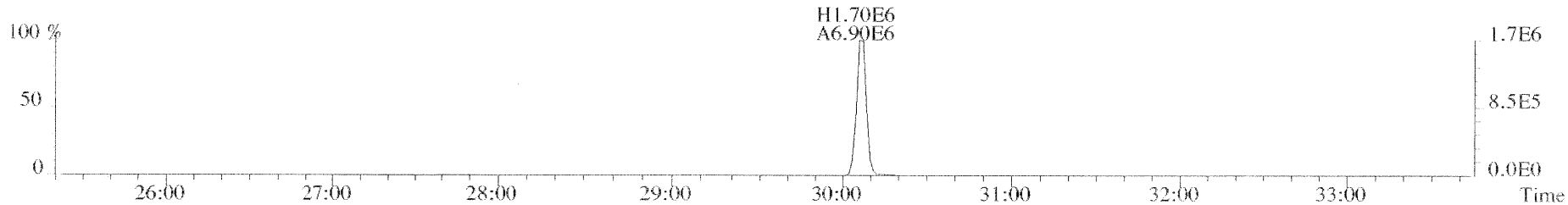
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



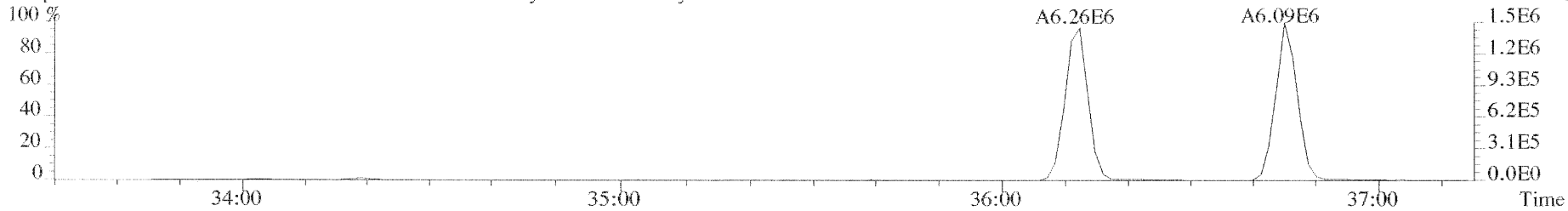
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



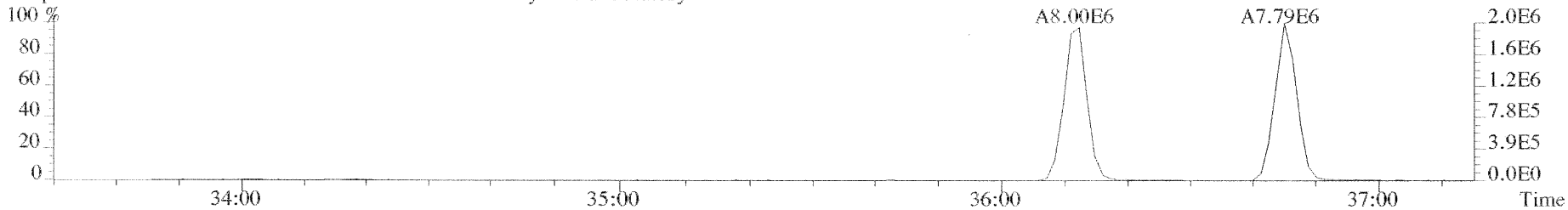
File:09NOV20Z #1-397 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



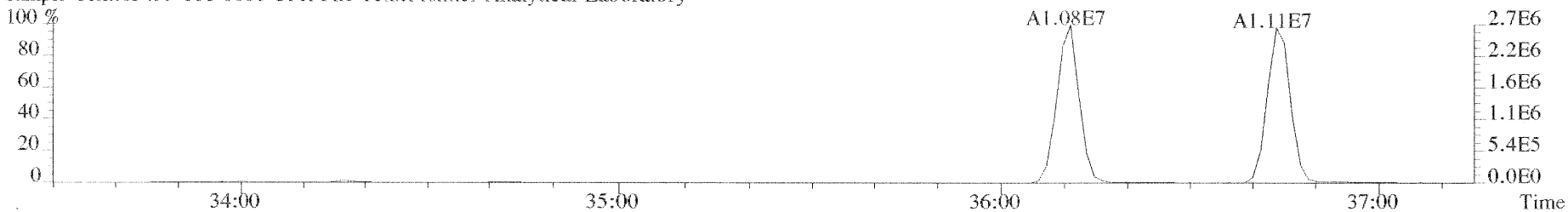
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



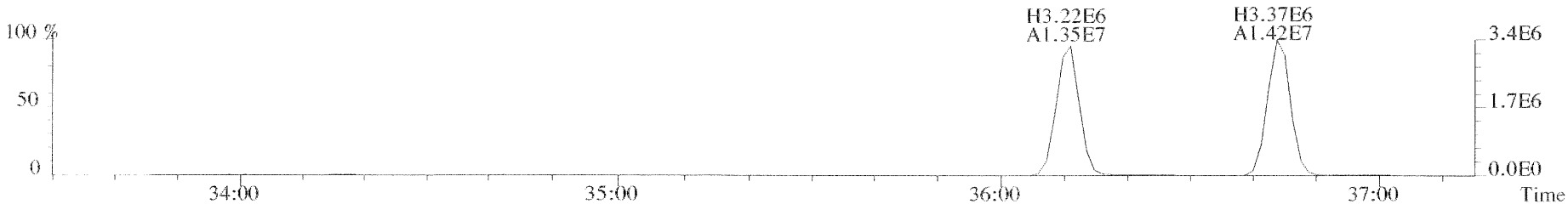
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



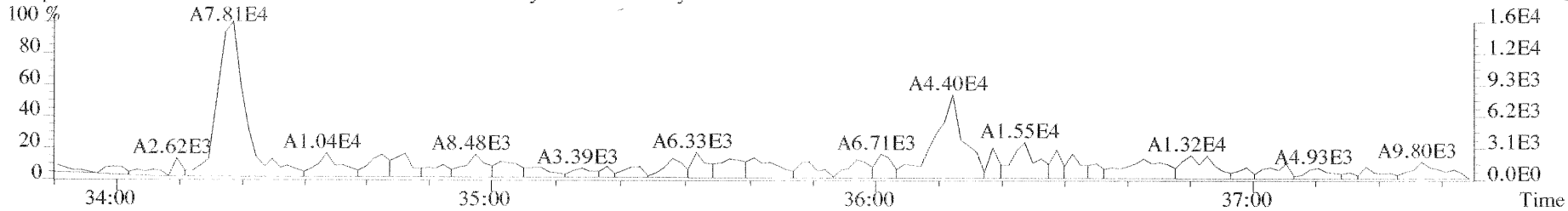
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



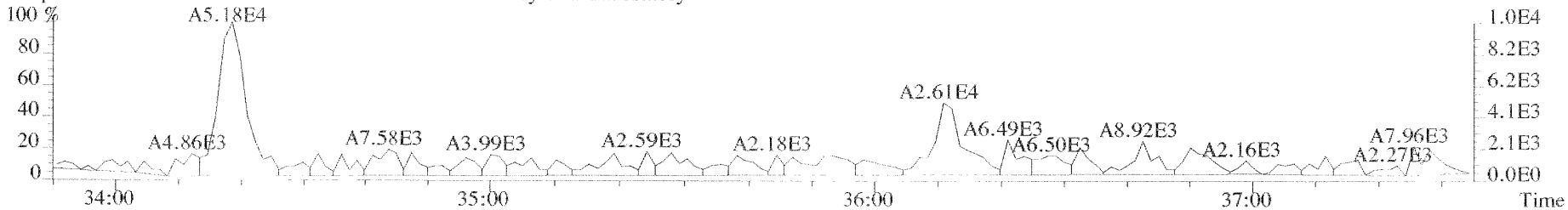
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



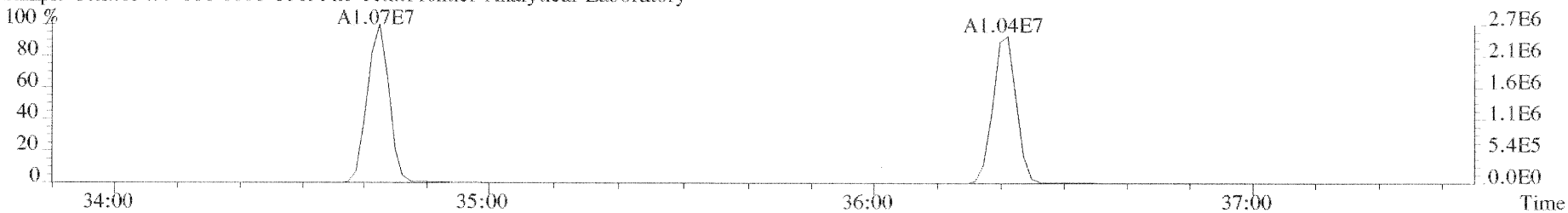
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



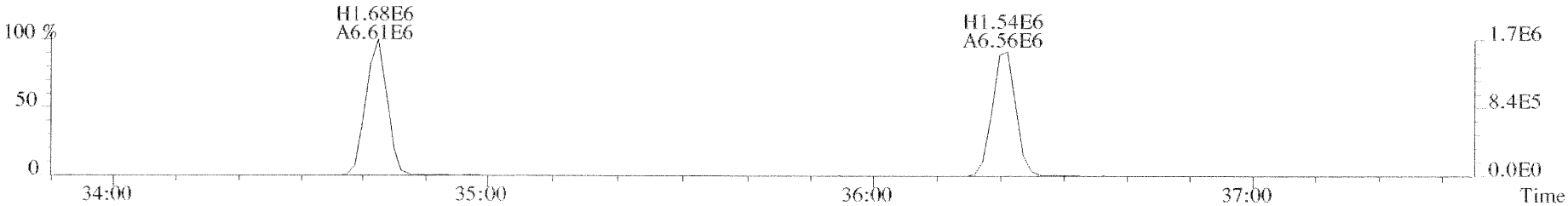
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



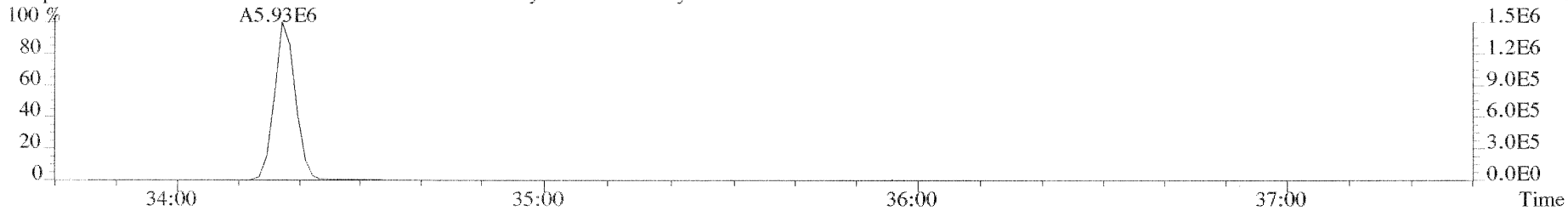
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



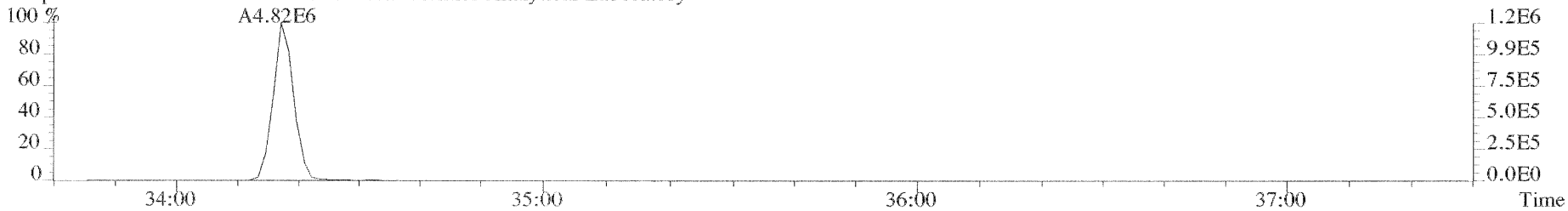
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



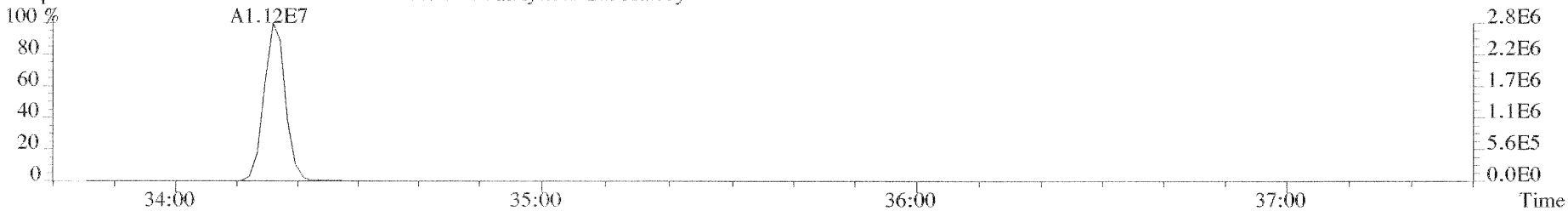
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



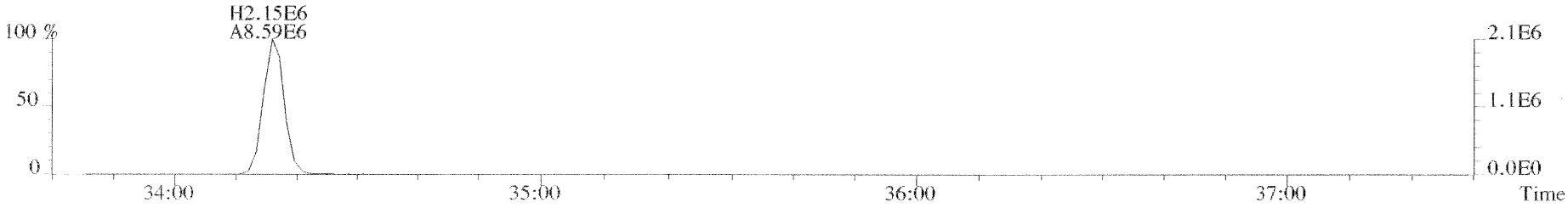
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



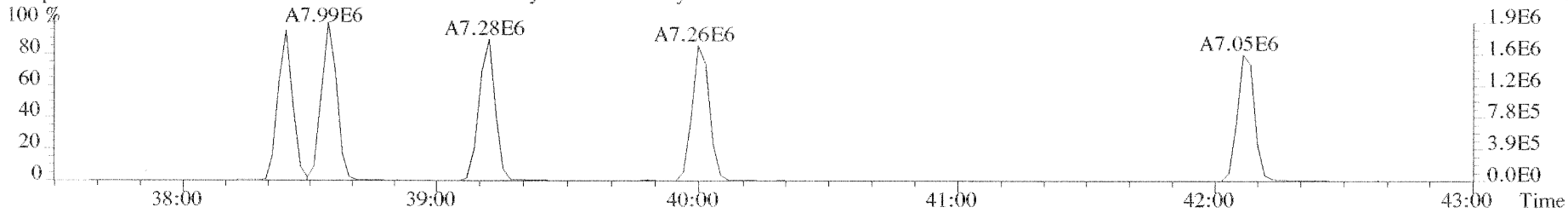
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



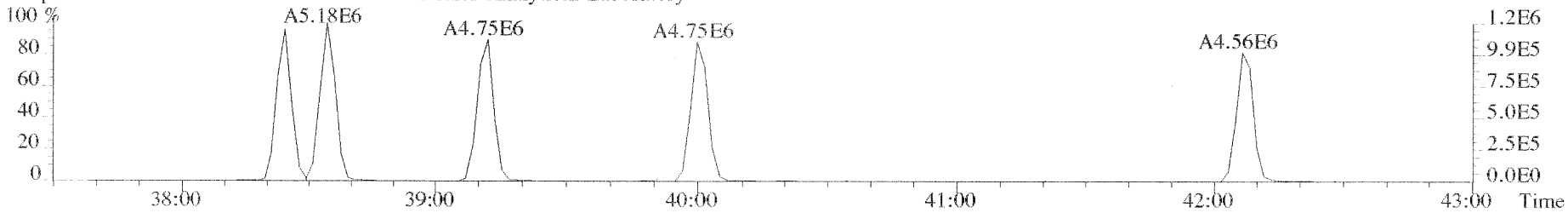
File:09NOV20Z #1-183 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



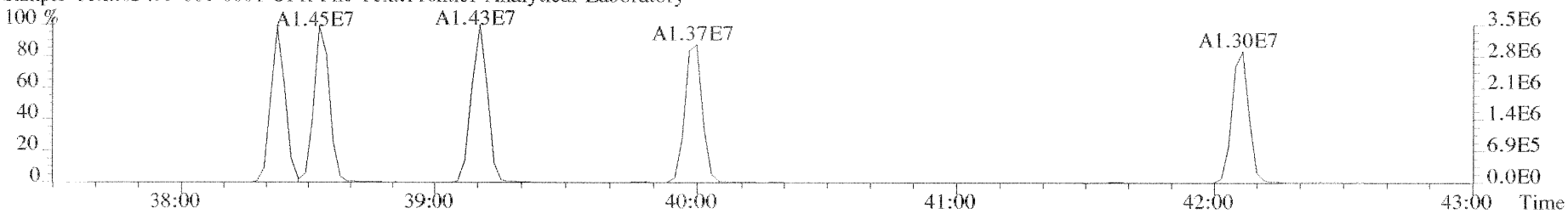
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



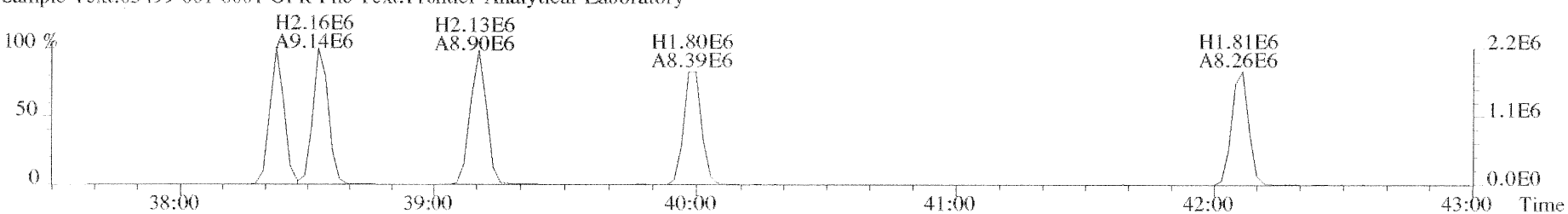
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



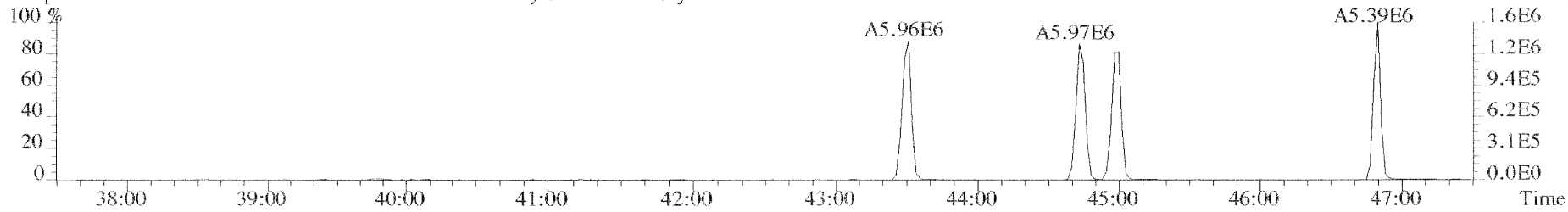
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



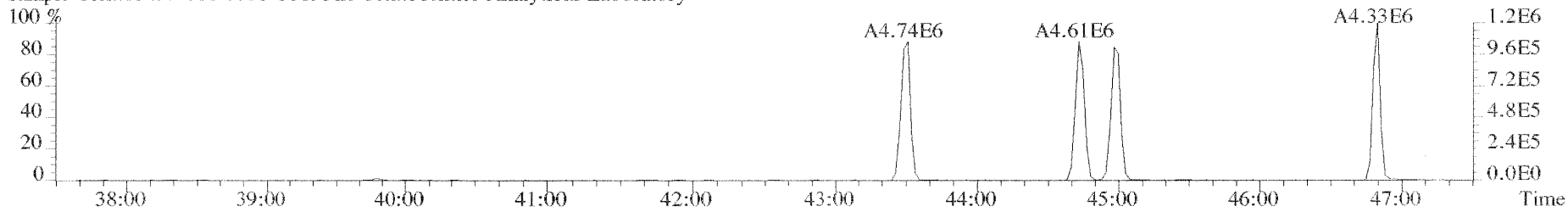
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



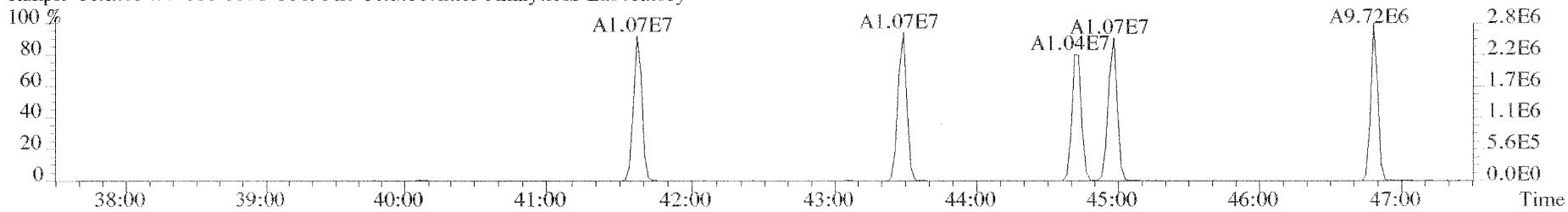
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



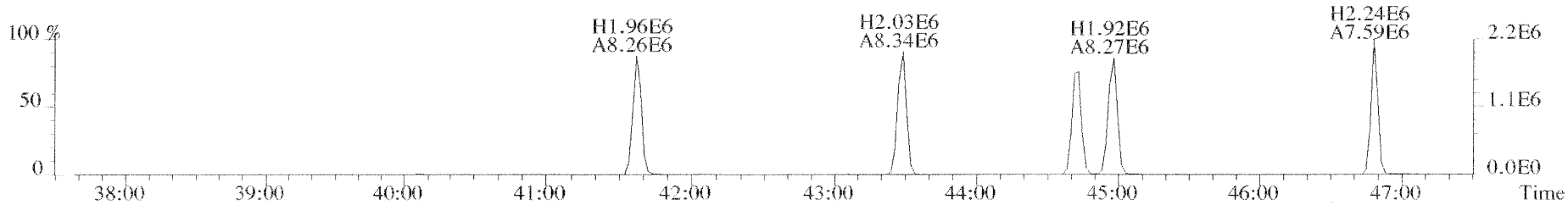
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



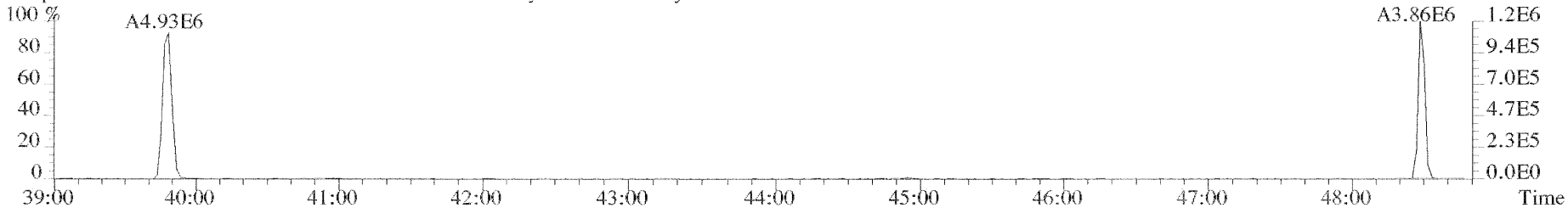
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



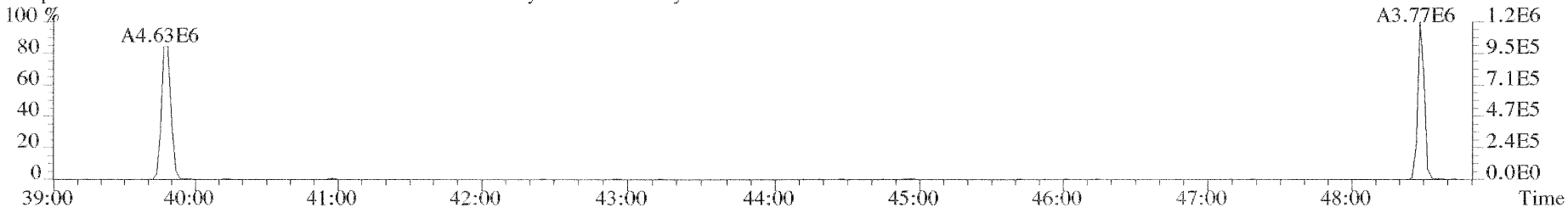
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



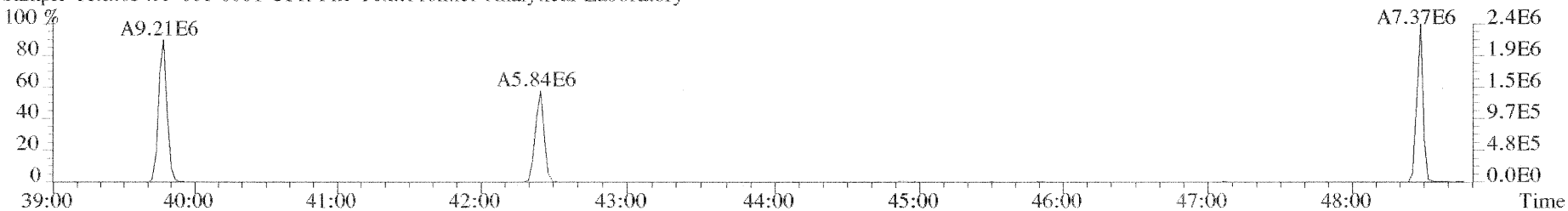
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



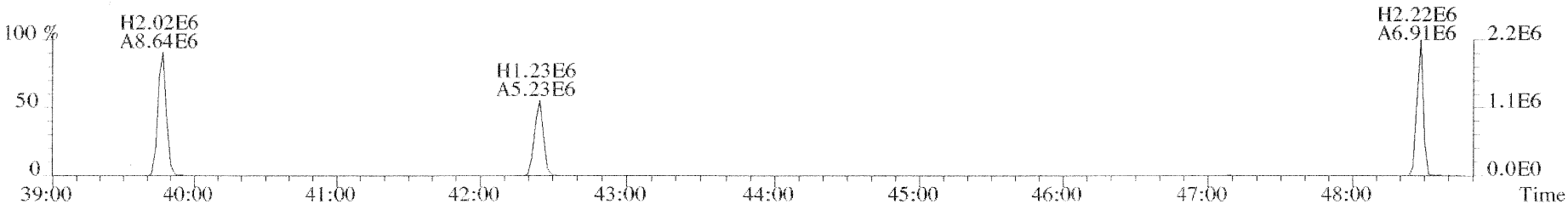
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



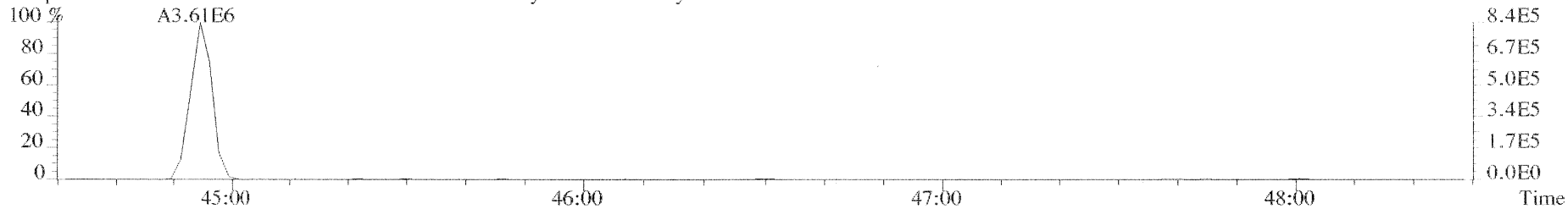
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



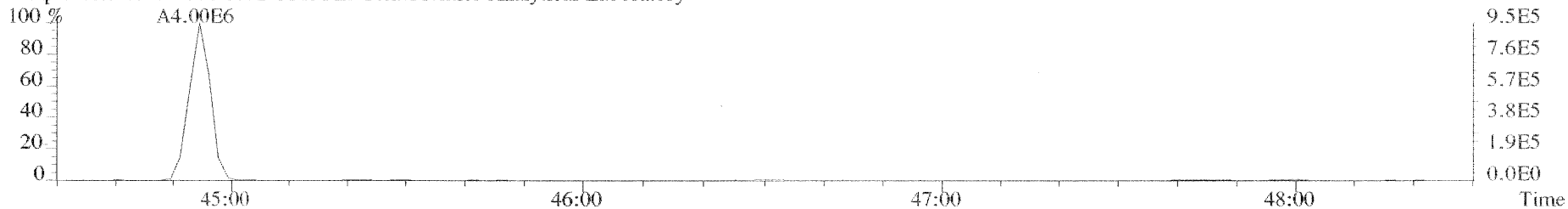
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



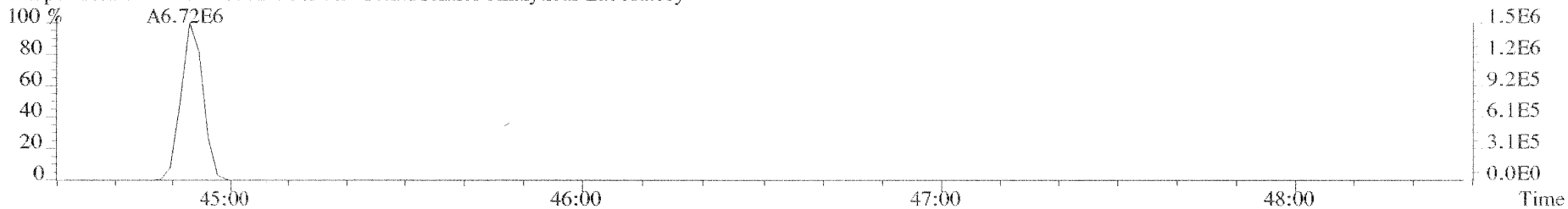
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



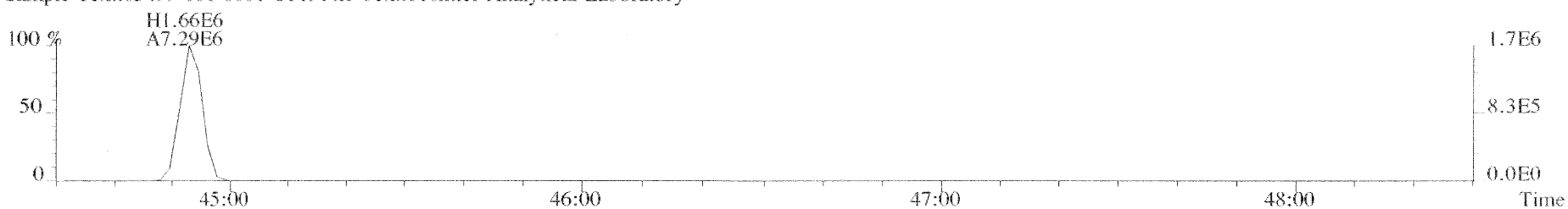
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



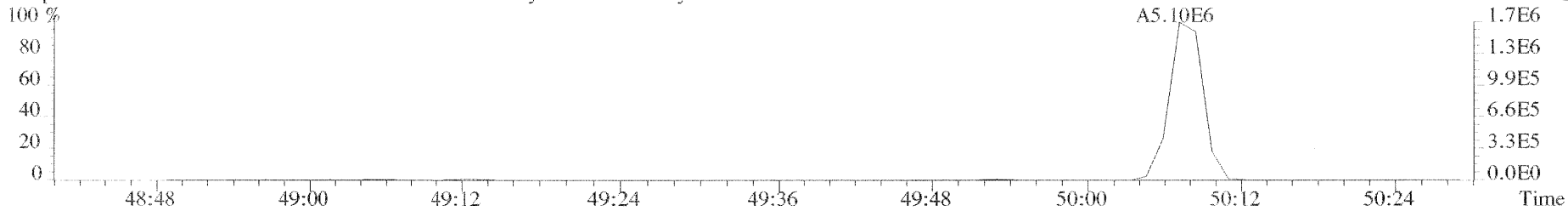
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



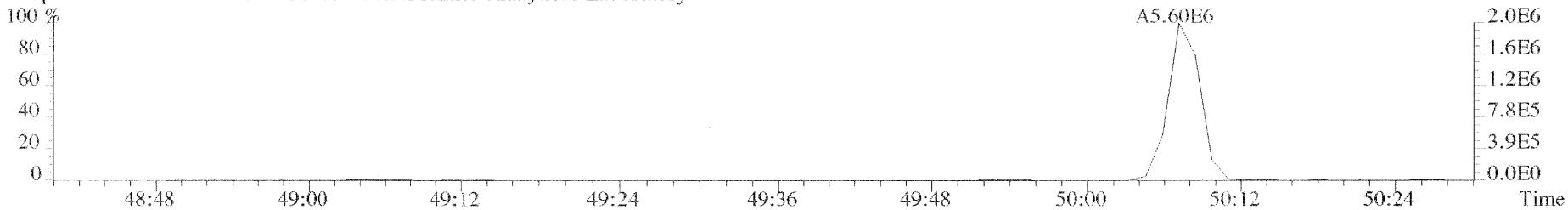
File:09NOV20Z #1-407 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



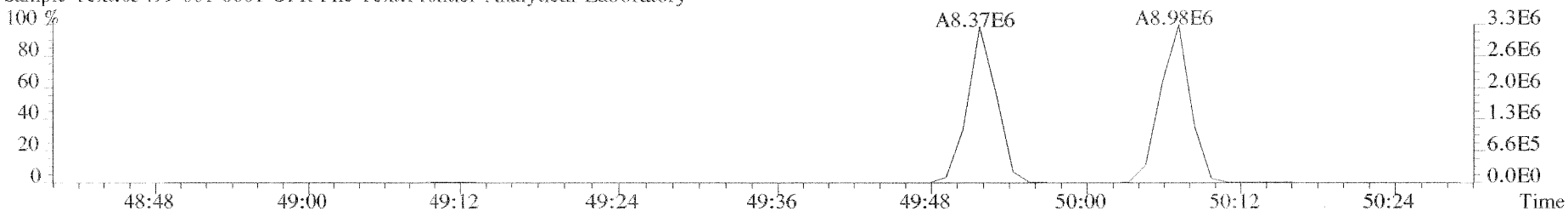
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



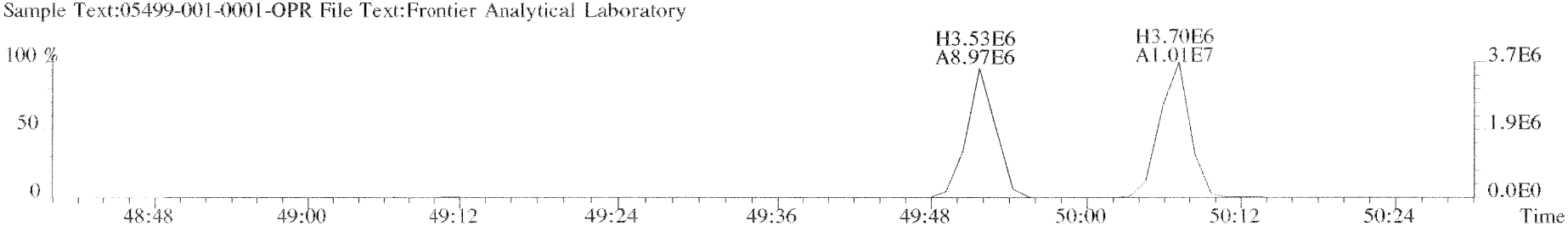
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



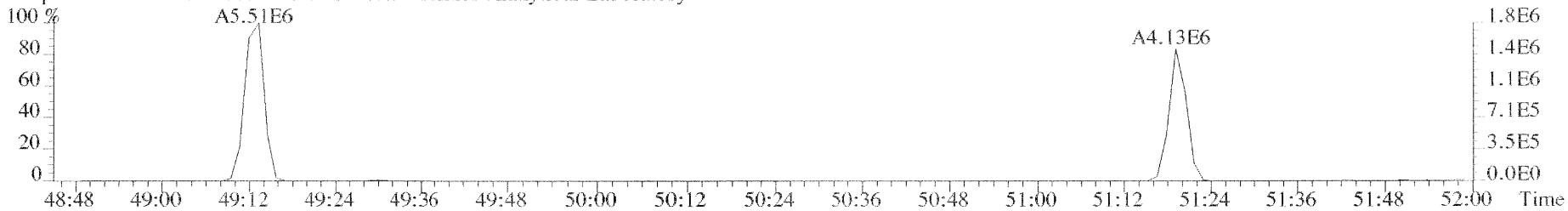
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



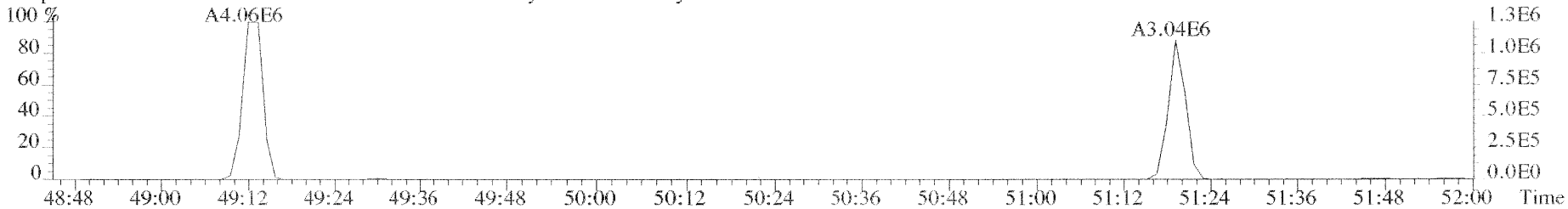
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



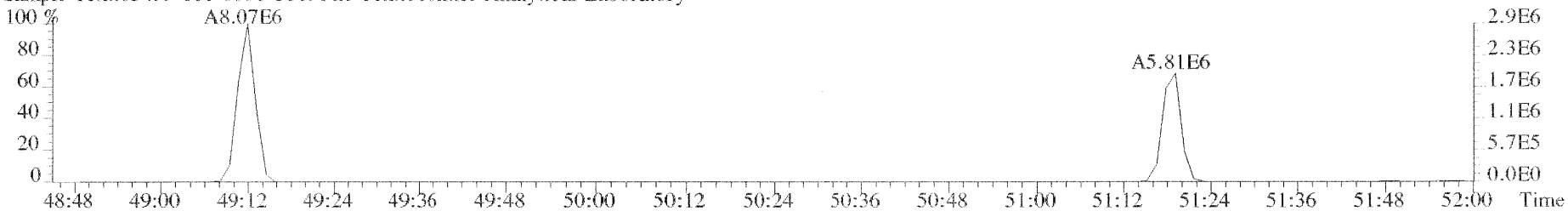
File:09NOV20Z #1-314 Acq: 9-NOV-2020 13:00:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



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



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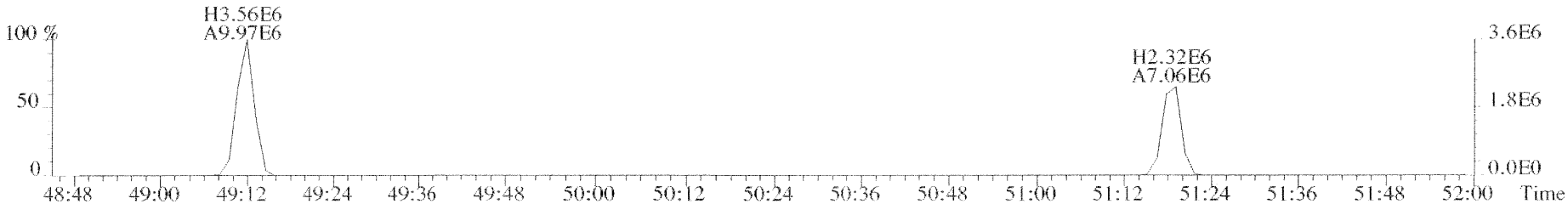
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



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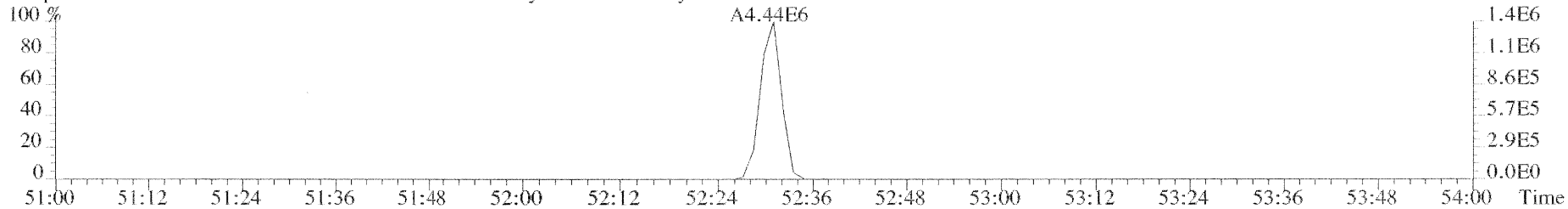
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



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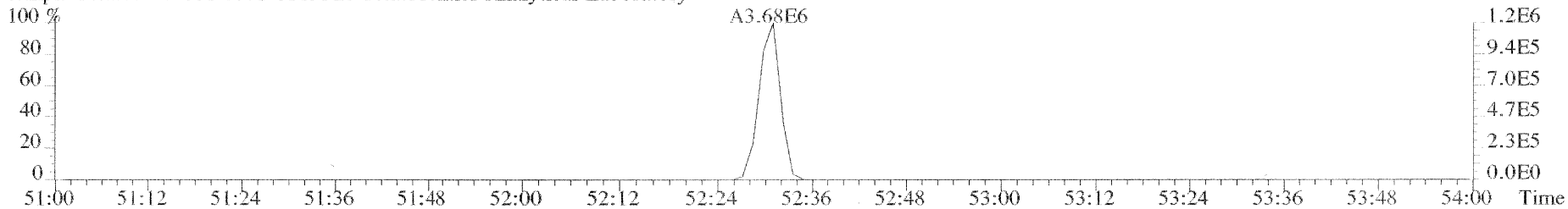
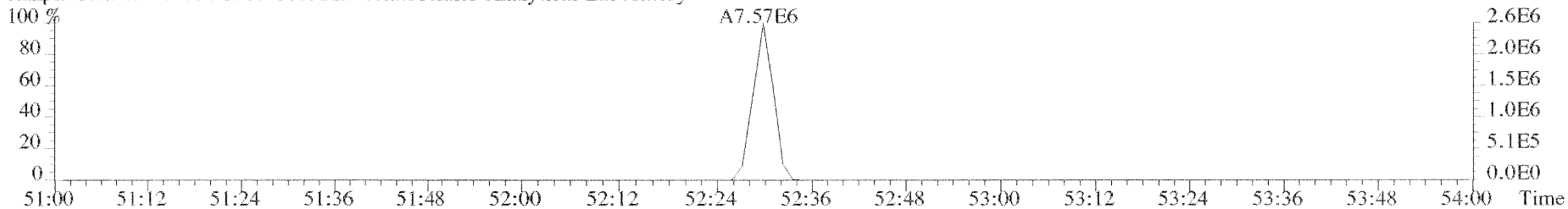
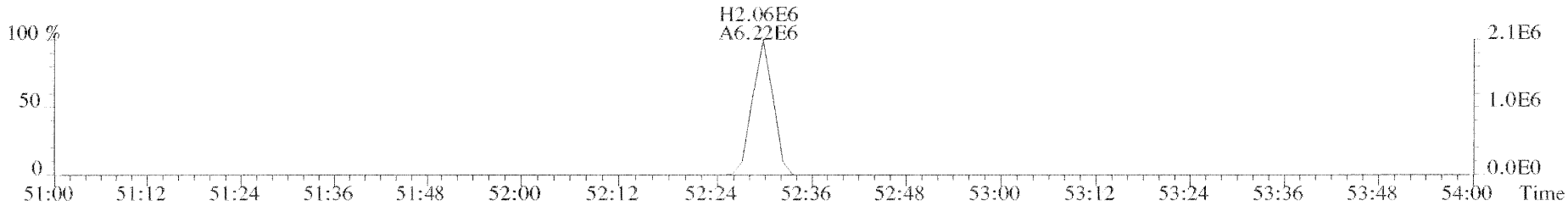
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:05499-001-0001-OPR File Text:Frontier Analytical Laboratory



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: 13383-007-0001-SA Filename: 09NOV20Z Sam:6 Acquired: 9-NOV-20 16:53:59 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 8.430

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.29	*		1300	1140	0.770			
13C-PCB-1	1.98e+07	3.19 y	14:33	0.83	538					45.3	5.63e+06	1.71e+06
PCB-2	*	* n	NotFnd	1.28	*		1300	1140	0.751			
PCB-3	*	* n	NotFnd	1.26	*		1300	1140	0.741			
13C-PCB-3	2.22e+07	3.21 y	16:59	0.80	627					52.9	5.96e+06	1.82e+06
PCB-4	3.84e+04	1.59 y	18:16	1.09	1.96	J	-	-	*			
PCB-10	*	* n	NotFnd	1.50	*		670	3300	0.794			
13C-PCB-4	2.12e+07	1.62 y	18:14	0.66	729					61.4	4.07e+06	2.65e+06
PCB-9	1.29e+05	1.51 y	19:56	1.41	3.46		-	-	*			
PCB-7	7.36e+04	1.50 y	20:00	1.44	1.94	J	-	-	*			
PCB-6	3.88e+05	1.47 y	20:34	1.38	10.6		-	-	*			
PCB-8	1.57e+06	1.43 y	20:56	1.37	43.3		-	-	*			
PCB-5	*	* n	NotFnd	1.43	*		670	3300	0.835			
PCB-14	*	* n	NotFnd	1.43	*		670	3300	0.834			
PCB-11	2.52e+05	1.52 y	23:07	1.34	7.15		-	-	*			
PCB-13	7.11e+04	1.50 y	23:27	1.32	2.03	J	-	-	*			
PCB-12	7.61e+04	1.46 y	23:28	1.35	2.14	J	-	-	*			
PCB-15	5.43e+05	1.50 y	23:47	1.20	13.0		-	-	*			
13C-PCB-15	4.14e+07	1.63 y	23:46	0.99	944					79.6	7.98e+06	4.97e+06
PCB-19	1.91e+05	1.05 y	22:08	1.21	12.7		-	-	*			
PCB-30	*	* n	NotFnd	1.89	*		1850	520	0.829			
PCB-18	1.95e+06	1.10 y	23:43	1.28	122		-	-	*			
PCB-17	2.24e+06	1.08 y	23:52	1.38	131		-	-	*			
PCB-27	3.52e+05	1.03 y	24:23	1.72	16.4		-	-	*			
PCB-24	3.53e+05	1.10 y	24:24	1.78	15.9		-	-	*			
PCB-16	1.58e+06	1.08 y	24:53	1.53	82.5		-	-	*			
PCB-32	1.83e+06	1.18 y	24:55	1.60	91.8		-	-	*			
13C-PCB-19	1.48e+07	1.12 y	22:07	0.46	724					61.0	2.37e+06	2.11e+06
13C-PCB-9	5.27e+07	1.64 y	19:55	-	10.3							
PCB-34	1.50e+05	0.94 y	25:39	1.26	4.05		-	-	*			
PCB-23	*	* n	NotFnd	1.36	*		1500	1140	0.618			
PCB-29	9.88e+04	1.17 y	25:59	1.33	2.51		-	-	*			
PCB-26	3.40e+06	1.08 y	26:10	1.27	90.7		-	-	*			
PCB-25	1.63e+06	1.08 y	26:19	1.23	45.1		-	-	*			
PCB-31	1.09e+07	1.07 y	26:40	1.19	311		-	-	*			
PCB-28	1.31e+07	1.08 y	26:46	1.57	282		-	-	*			
PCB-20	6.26e+06	1.08 y	27:21	1.26	169		-	-	*		Co-elute PCB 21/33	
PCB-21	6.26e+06	1.08 y	27:21	1.26	169		-	-	*		Co-elute PCB 20/33	
PCB-33	6.26e+06	1.08 y	27:21	1.26	169		-	-	*		Co-elute PCB 20/21	
PCB-22	4.04e+06	1.05 y	27:45	1.36	101		-	-	*			
PCB-36	*	* n	NotFnd	1.29	*		1500	1140	0.653			
PCB-39	*	* n	NotFnd	1.31	*		1500	1140	0.644			
PCB-38	1.97e+05	1.07 y	29:31	1.25	5.37		-	-	*			
PCB-35	1.12e+05	1.13 y	30:02	1.20	3.17		-	-	*			
PCB-37	1.80e+06	1.04 y	30:26	1.28	48.0		-	-	*			
13C-PCB-37	3.50e+07	1.07 y	30:25	1.69	998					84.1	4.86e+06	4.44e+06

PCB-54	4.71e+04	0.84	y	25:41	1.27	1.81	J	-	-	*			
PCB-50	7.16e+04	0.75	y	26:48	0.97	3.60		-	-	*			
PCB-53	1.61e+06	0.77	y	27:24	0.94	83.7		-	-	*			
PCB-51	5.81e+05	0.74	y	27:44	0.94	30.2		-	-	*			
PCB-45	1.08e+06	0.77	y	28:08	0.81	65.3		-	-	*			
PCB-46	4.57e+05	0.77	y	28:36	0.77	29.1		-	-	*			
PCB-52	2.09e+07	0.78	y	29:02	1.04	983		-	-	*	Co-elute PCB 69		
PCB-69	2.09e+07	0.78	y	29:02	1.04	983		-	-	*	Co-elute PCB 52		
PCB-73	2.41e+05	0.80	y	29:09	1.12	10.6		-	-	*			
PCB-43	1.27e+07	0.80	y	29:19	0.89	695		-	-	*	Co-elute PCB 49		
PCB-49	1.27e+07	0.80	y	29:19	0.89	695		-	-	*	Co-elute PCB 43		
PCB-47	4.22e+06	0.80	y	29:31	0.94	219		-	-	*			
PCB-48	3.61e+06	0.81	y	29:38	1.16	153		-	-	*	Co-elute PCB 75		
PCB-75	3.61e+06	0.81	y	29:38	1.16	153		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*		860	990	0.665			
PCB-62	*	*	n	NotFnd	1.12	*		860	990	0.704			
PCB-44	1.12e+07	0.77	y	30:16	0.75	729		-	-	*			
PCB-42	4.18e+06	0.77	y	30:30	1.04	197		-	-	*	Co-elute PCB 59		
PCB-59	4.18e+06	0.77	y	30:30	1.04	197		-	-	*	Co-elute PCB 42		
PCB-72	9.51e+06	0.77	y	31:02	1.15	405		-	-	*	Co-elute PCB 41/71/64		
PCB-41	9.51e+06	0.77	y	31:02	1.15	405		-	-	*	Co-elute PCB 72/71/64		
PCB-71	9.51e+06	0.77	y	31:02	1.15	405		-	-	*	Co-elute PCB 72/41/64		
PCB-64	9.51e+06	0.77	y	31:02	1.15	405		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.85e+05	0.76	y	31:16	1.33	6.81		-	-	*			
PCB-40	1.66e+06	0.80	y	31:29	0.72	113		-	-	*			
PCB-57	1.54e+05	0.88	y	31:49	1.26	5.99		-	-	*			
PCB-67	5.20e+05	0.80	y	32:07	1.24	20.5		-	-	*			
PCB-58	7.90e+04	0.88	y	32:13	1.26	3.06		-	-	*			
PCB-63	6.52e+05	0.73	y	32:23	1.25	25.6		-	-	*			
PCB-74	6.14e+06	0.79	y	32:40	1.25	241		-	-	*			
PCB-61	1.33e+07	0.79	y	32:51	1.14	571		-	-	*	Co-elute PCB 70		
PCB-70	1.33e+07	0.79	y	32:51	1.14	571		-	-	*	Co-elute PCB 61		
PCB-76	1.10e+07	0.79	y	33:03	1.33	403		-	-	*	Co-elute PCB 66		
PCB-66	1.10e+07	0.79	y	33:03	1.33	403		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*		860	990	0.518			
PCB-55	2.75e+05	0.78	y	33:32	1.30	10.4		-	-	*			
13C-PCB-54	2.42e+07	0.82	y	25:40	1.29	905					76.3	3.12e+06	3.84e+06
PCB-104	*	*	n	NotFnd	1.16	*		544	592	0.591			
PCB-96	1.26e+05	1.55	y	31:20	1.08	7.43		-	-	*			
PCB-103	3.19e+05	1.57	y	31:51	0.91	22.4		-	-	*			
PCB-100	1.22e+05	1.49	y	32:11	0.95	8.21		-	-	*			
PCB-94	9.41e+04	1.38	y	32:39	0.78	7.75		-	-	*			
PCB-98	*	*	n	NotFnd	0.80	*		544	592	0.859	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*		544	592	0.859	Co-elute PCB 98		
PCB-95	1.12e+07	1.59	y	33:08	0.89	811		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		544	592	0.799			
PCB-88	1.62e+06	1.65	y	33:30	0.91	114		-	-	*	Co-elute PCB 91		
PCB-91	1.62e+06	1.65	y	33:30	0.91	114		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*		544	592	0.630			
13C-PCB-104	1.85e+07	1.57	y	30:07	1.07	838					70.6	3.00e+06	1.90e+06
13C-PCB-28	4.39e+07	1.07	y	26:45	2.08	1020					86.1	6.15e+06	5.68e+06
13C-PCB-52	2.46e+07	0.80	y	29:01	-	9.36							

PCB-56	8.12e+06	0.81	y	34:00	1.20	278		-	-	*			Co-elute PCB 60
PCB-60	8.12e+06	0.81	y	34:00	1.20	278		-	-	*			Co-elute PCB 56
PCB-79	3.39e+05	0.76	y	35:04	1.23	11.3		-	-	*			
PCB-78	*	*	n	NotFnd	1.25	*		654	777	0.488			
PCB-81	4.80e+05	0.71	y	36:14	1.31	15.2		-	-	*			
13C-PCB-81	2.86e+07	0.81	y	36:11	1.53	1190					100	3.10e+06	3.93e+06
PCB-77	7.02e+05	0.75	y	36:46	1.13	25.2		-	-	*			
13C-PCB-77	2.92e+07	0.80	y	36:45	1.64	1140					96.3	3.10e+06	3.83e+06
PCB-155	*	*	n	NotFnd	1.12	*		652	632	0.825			
PCB-150	5.73e+04	1.33	y	35:30	1.04	3.79		-	-	*			
PCB-152	2.52e+04	1.21	y	35:57	1.03	1.69	J	-	-	*			
PCB-145	*	*	n	NotFnd	1.07	*		652	632	0.863			
PCB-136	2.34e+06	1.26	y	36:41	1.01	161		-	-	*			
PCB-148	*	*	n	NotFnd	0.83	*		652	632	1.12			
PCB-154	3.64e+05	1.28	y	37:14	0.90	27.9		-	-	*			
13C-PCB-155	1.72e+07	1.31	y	34:17	1.21	908					76.5	2.35e+06	1.76e+06
13C-PCB-111	2.01e+07	1.62	y	36:21	1.31	981					82.7	3.24e+06	2.03e+06
13C-PCB-101	1.86e+07	1.66	y	34:42	-	6.98							
PCB-84	7.70e+06	1.58	y	34:22	0.73	445		-	-	*			Co-elute PCB 92
PCB-92	7.70e+06	1.58	y	34:22	0.73	445		-	-	*			Co-elute PCB 84
PCB-89	1.53e+05	1.64	y	34:33	0.73	8.91		-	-	*			
PCB-90	2.00e+07	1.63	y	34:43	0.82	1030		-	-	*			Co-elute PCB 101
PCB-101	2.00e+07	1.63	y	34:43	0.82	1030		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.90	*		910	840	0.879			
PCB-99	8.65e+06	1.61	y	35:02	0.92	398		-	-	*			
PCB-119	7.31e+05	1.62	y	35:29	1.00	30.9		-	-	*			
PCB-83	1.07e+06	1.67	y	35:38	0.83	54.7		-	-	*			Co-elute PCB 112
PCB-112	1.07e+06	1.67	y	35:38	0.83	54.7		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*		910	840	0.808			
PCB-97	5.36e+06	1.56	y	35:58	0.71	321		-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*		910	840	1.13			
PCB-125	7.46e+06	1.59	y	36:14	0.93	340		-	-	*			Co-elute PCB 87/117
PCB-87	7.46e+06	1.59	y	36:14	0.93	340		-	-	*			Co-elute PCB 125/117
PCB-117	7.46e+06	1.59	y	36:14	0.93	340		-	-	*			Co-elute PCB 125/87
PCB-111	3.86e+05	1.60	y	36:23	1.08	15.1		-	-	*			Co-elute PCB 115
PCB-115	3.86e+05	1.60	y	36:23	1.08	15.1		-	-	*			Co-elute PCB 111
PCB-85	2.72e+06	1.59	y	36:30	0.88	130		-	-	*			Co-elute PCB 116
PCB-116	2.72e+06	1.59	y	36:30	0.88	130		-	-	*			Co-elute PCB 85
PCB-120	1.11e+05	1.56	y	36:44	1.09	4.33		-	-	*			
PCB-110	2.05e+07	1.59	y	36:51	1.05	828		-	-	*			
PCB-82	1.52e+06	1.55	y	37:28	0.63	102		-	-	*			
PCB-124	9.07e+05	1.45	y	38:06	1.09	35.2		-	-	*			
PCB-108	1.49e+06	1.52	y	38:16	1.24	50.6		-	-	*			Co-elute PCB 107
PCB-107	1.49e+06	1.52	y	38:16	1.24	50.6		-	-	*			Co-elute PCB 108
PCB-123	3.21e+05	1.66	y	38:24	1.07	12.9		-	-	*			
13C-PCB-123	2.76e+07	1.59	y	38:24	1.29	1080					91.4	3.78e+06	2.38e+06
PCB-118	1.66e+07	1.54	y	38:36	1.13	605		-	-	*			Co-elute PCB 106
PCB-106	1.66e+07	1.54	y	38:36	1.13	605		-	-	*			Co-elute PCB 118
13C-PCB-118	2.88e+07	1.60	y	38:34	1.41	1030					87.2	4.21e+06	2.63e+06
PCB-114	4.24e+05	1.34	y	39:12	1.20	15.1		-	-	*			
13C-PCB-114	2.76e+07	1.58	y	39:10	1.34	1050					88.6	3.90e+06	2.50e+06
PCB-122	2.75e+05	1.66	y	39:20	1.15	10.1		-	-	*			
PCB-105	6.11e+06	1.54	y	40:01	1.23	209		-	-	*			
13C-PCB-105	2.81e+07	1.60	y	39:60	1.33	1080					90.8	4.18e+06	2.60e+06

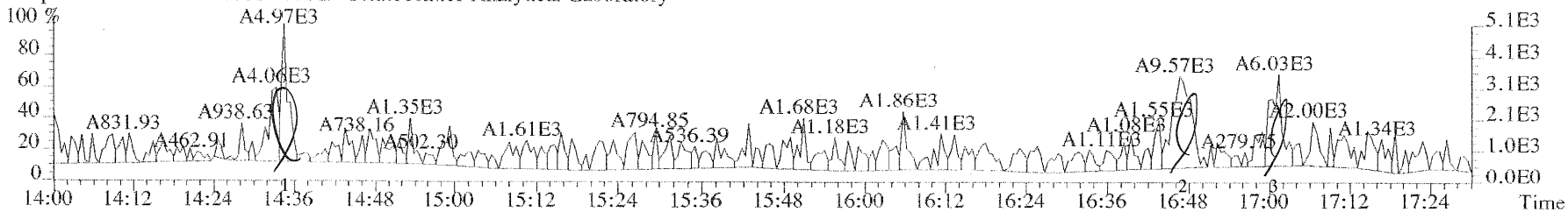
PCB-127	*	*	n	NotFnd	1.12	*	1260	1010	0.916				
PCB-126	8.85e+04	1.46	y	42:08	1.20	3.33	-	-	*				
13C-PCB-126	2.64e+07	1.58	y	42:06	1.20	1110				93.9	3.77e+06	2.33e+06	
PCB-151	4.25e+06	1.29	y	37:51	1.02	225	-	-	*				
PCB-135	2.57e+06	1.27	y	38:03	1.08	129	-	-	*				
PCB-144	8.82e+05	1.33	y	38:09	1.08	44.3	-	-	*				
PCB-147	3.56e+05	1.37	y	38:18	1.13	17.1	-	-	*				
PCB-139	1.44e+07	1.28	y	38:31	1.15	678	-	-	*				Co-elute PCB 149
PCB-149	1.44e+07	1.28	y	38:31	1.15	678	-	-	*				Co-elute PCB 139
PCB-140	1.87e+05	1.31	y	38:42	1.15	8.76	-	-	*				
PCB-143	1.02e+06	1.30	y	39:09	0.93	59.6	-	-	*				Co-elute PCB 134
PCB-134	1.02e+06	1.30	y	39:09	0.93	59.6	-	-	*				Co-elute PCB 143
PCB-131	6.18e+05	1.24	y	39:23	0.97	34.6	-	-	*				Co-elute PCB 133
PCB-133	6.18e+05	1.24	y	39:23	0.97	34.6	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.96	*	750	740	0.848				
PCB-165	3.07e+06	1.28	y	39:46	1.25	133	-	-	*				Co-elute PCB 146
PCB-146	3.07e+06	1.28	y	39:46	1.25	133	-	-	*				Co-elute PCB 165
PCB-161	4.44e+06	1.26	y	40:01	1.22	196	-	-	*				Co-elute PCB 132
PCB-132	4.44e+06	1.26	y	40:01	1.22	196	-	-	*				Co-elute PCB 161
PCB-153	1.58e+07	1.29	y	40:09	1.21	708	-	-	*				
PCB-168	*	*	n	NotFnd	1.39	*	750	740	0.586				
PCB-141	2.56e+06	1.22	y	40:51	1.04	134	-	-	*				
PCB-137	5.81e+05	1.31	y	41:14	1.13	27.9	-	-	*				
PCB-130	9.31e+05	1.32	y	41:19	0.88	57.5	-	-	*				
PCB-138	1.65e+07	1.25	y	41:40	1.26	706	-	-	*				Co-elute PCB 163/164
PCB-163	1.65e+07	1.25	y	41:40	1.26	706	-	-	*				Co-elute PCB 138/164
PCB-164	1.65e+07	1.25	y	41:40	1.26	706	-	-	*				Co-elute PCB 138/163
PCB-158	1.87e+06	1.23	y	41:53	1.38	73.1	-	-	*				Co-elute PCB 160
PCB-160	1.87e+06	1.23	y	41:53	1.38	73.1	-	-	*				Co-elute PCB 158
PCB-129	6.03e+05	1.30	y	42:08	0.91	35.7	-	-	*				
PCB-166	6.40e+04	1.38	y	42:34	1.33	2.60	-	-	*				
PCB-159	1.64e+05	1.10	y	42:54	1.38	6.40	-	-	*				
PCB-128	2.11e+06	1.34	y	43:07	1.17	97.9	-	-	*				Co-elute PCB 162
PCB-162	2.11e+06	1.34	y	43:07	1.17	97.9	-	-	*				Co-elute PCB 128
PCB-167	5.45e+05	1.29	y	43:30	1.21	23.8	-	-	*				
13C-PCB-167	2.25e+07	1.28	y	43:29	1.09	1050				88.4	2.99e+06	2.39e+06	
PCB-156	1.23e+06	1.25	y	44:44	1.29	52.1	-	-	*				
13C-PCB-156	2.17e+07	1.31	y	44:43	1.03	1080				90.8	3.17e+06	2.43e+06	
PCB-157	2.91e+05	1.34	y	44:59	1.24	12.7	-	-	*				
13C-PCB-157	2.20e+07	1.30	y	44:58	1.09	1020				86.3	2.90e+06	2.23e+06	
PCB-169	*	*	n	NotFnd	1.17	*	750	740	0.663				
13C-PCB-169	2.15e+07	1.29	y	46:49	0.94	1160				97.7	3.22e+06	2.48e+06	

FAL ID: 13383-007-0001-SA Filename: 09NOV20Z Sam:6 Acquired: 9-NOV-20 16:53:59 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-B-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 8.430

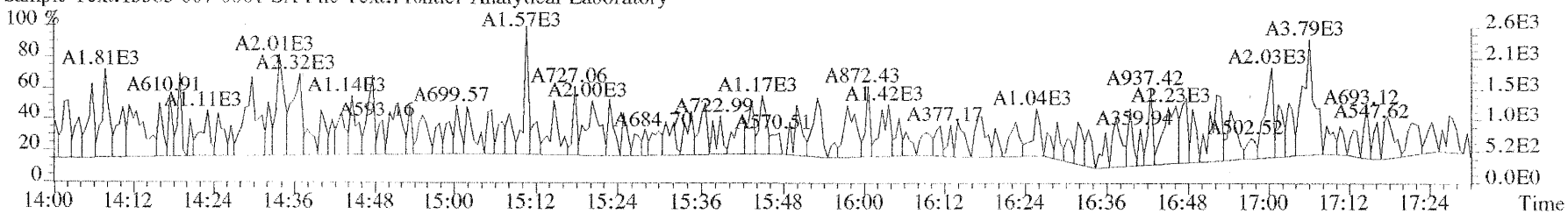
PCB-188	*	*	n	NotFnd	1.10	*		650	672	0.792			
13C-PCB-188	1.88e+07	1.07	y	39:46	1.06	903					76.1	2.31e+06	2.21e+06
PCB-184	*	*	n	NotFnd	1.31	*		650	672	0.574			
PCB-179	1.53e+06	1.06	y	40:57	1.21	82.4		-	-	*			
PCB-176	4.51e+05	1.05	y	41:24	1.18	25.0		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		650	672	0.618			
PCB-178	4.86e+05	1.08	y	42:26	0.85	37.5		-	-	*			
PCB-175	1.16e+05	1.15	y	42:46	0.88	8.63		-	-	*			
PCB-187	3.03e+06	1.08	y	42:54	0.92	214		-	-	*		Co-elute PCB 182	
PCB-182	3.03e+06	1.08	y	42:54	0.92	214		-	-	*		Co-elute PCB 187	
PCB-183	1.40e+06	1.07	y	43:14	0.95	96.8		-	-	*			
PCB-185	2.34e+05	1.18	y	43:52	0.85	17.9		-	-	*			
PCB-174	2.03e+06	1.04	y	44:11	0.82	162		-	-	*			
PCB-181	*	*	n	NotFnd	0.90	*		650	672	0.836			
PCB-177	1.15e+06	1.11	y	44:28	0.79	95.2		-	-	*			
PCB-171	5.01e+05	1.15	y	44:44	0.82	39.7		-	-	*			
PCB-173	5.87e+04	1.17	y	45:09	0.77	4.95		-	-	*			
PCB-172	3.16e+05	1.16	y	45:32	0.77	26.6		-	-	*			
PCB-192	*	*	n	NotFnd	1.01	*		650	672	0.744			
PCB-180	3.71e+06	1.09	y	45:52	0.83	291		-	-	*			
PCB-193	3.03e+05	1.15	y	46:02	1.07	18.5		-	-	*			
PCB-191	1.01e+05	1.14	y	46:15	1.04	6.31		-	-	*			
PCB-170	1.37e+06	1.11	y	47:09	0.74	121		-	-	*			
PCB-190	4.24e+05	1.12	y	47:17	0.97	28.6		-	-	*			
PCB-189	6.98e+04	1.19	y	48:30	1.08	4.37		-	-	*			
13C-PCB-189	1.75e+07	1.07	y	48:28	0.81	1100					92.7	3.27e+06	3.00e+06
PCB-202	1.88e+05	0.92	y	44:56	1.07	15.1		-	-	*			
PCB-201	1.12e+05	0.86	y	45:21	1.14	8.51		-	-	*			
PCB-204	*	*	n	NotFnd	1.14	*		580	610	1.09			
PCB-197	3.97e+04	0.82	y	45:47	1.15	2.98		-	-	*			
PCB-200	1.04e+05	0.79	y	46:30	1.10	8.16		-	-	*			
PCB-198	3.17e+04	0.94	y	47:40	0.77	3.56		-	-	*			
PCB-199	5.42e+05	0.89	y	47:45	0.80	58.3		-	-	*			
PCB-203	5.84e+05	0.83	y	48:00	0.87	57.8		-	-	*		Co-elute PCB 196	
PCB-196	5.84e+05	0.83	y	48:00	0.87	57.8		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.37e+07	0.93	y	44:53	0.80	873					73.6	1.36e+06	1.49e+06
13C-PCB-178	1.22e+07	1.08	y	42:24	0.75	826					69.7	1.29e+06	1.15e+06
13C-PCB-138	2.33e+07	1.30	y	41:38	-	8.08							
PCB-195	2.96e+05	0.82	y	49:05	1.00	15.0		-	-	*			
PCB-194	7.60e+05	0.86	y	49:53	1.05	36.4		-	-	*			
PCB-205	5.21e+04	0.95	y	50:08	1.20	2.20	J	-	-	*			
13C-PCB-205	2.35e+07	0.89	y	50:07	1.12	1030					87.2	4.04e+06	4.64e+06
PCB-208	8.09e+04	1.41	y	49:13	1.08	3.99		-	-	*			
13C-PCB-208	2.22e+07	0.79	y	49:12	1.19	922					77.8	3.60e+06	4.60e+06
PCB-207	3.82e+04	1.26	y	49:30	1.31	1.85	J	-	-	*			
PCB-206	1.64e+05	1.38	y	51:20	1.13	11.5		-	-	*			
13C-PCB-206	1.50e+07	0.81	y	51:19	0.80	922					77.7	2.49e+06	2.95e+06
PCB-209	5.99e+04	1.29	y	52:31	1.20	3.79		-	-	*			
13C-PCB-209	1.57e+07	1.20	y	52:29	0.88	879					74.1	2.68e+06	2.33e+06
13C-PCB-194	2.40e+07	0.91	y	49:51	-	9.52							

Analyst: [illegible] Date: 11/10/20

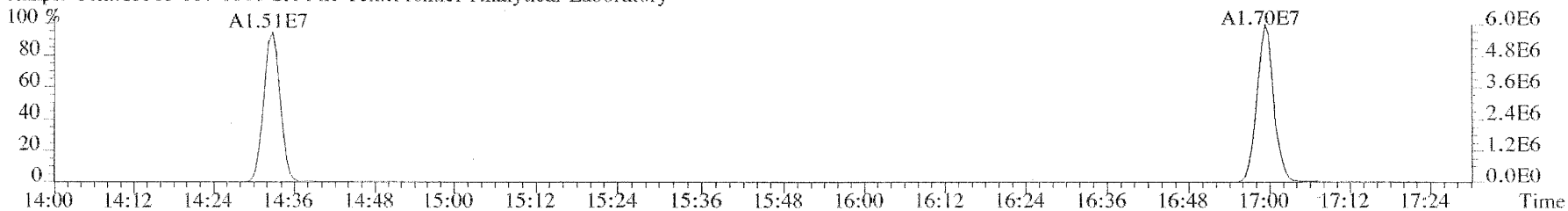
File:09NOV20Z #1-783 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



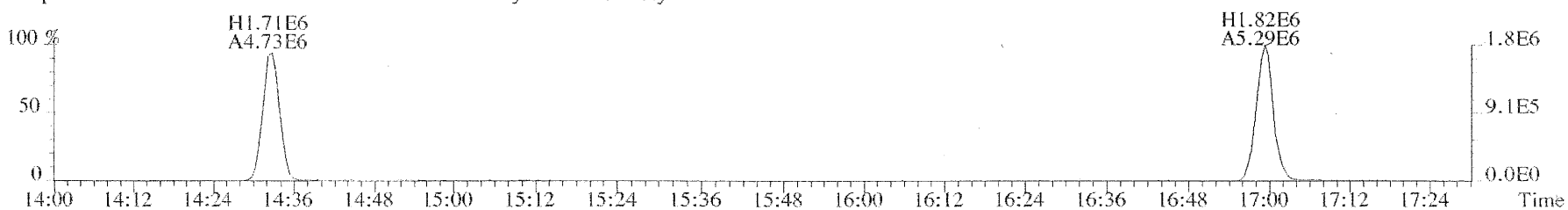
File:09NOV20Z #1-783 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



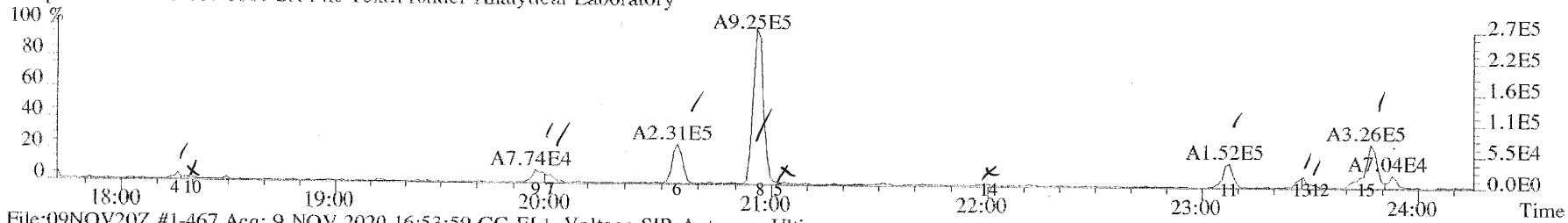
File:09NOV20Z #1-783 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



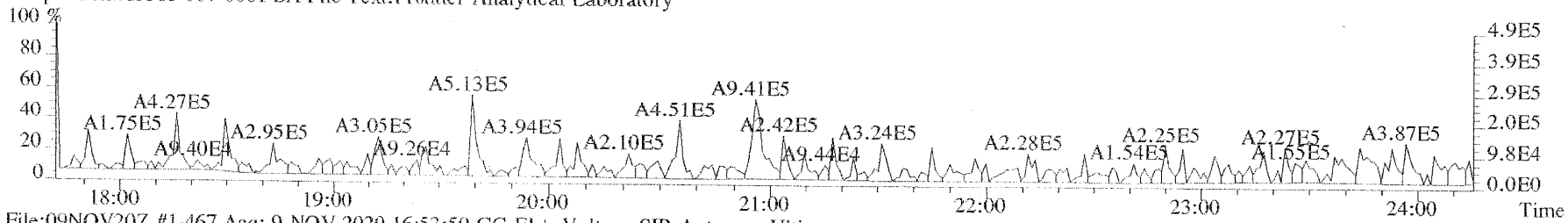
File:09NOV20Z #1-783 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



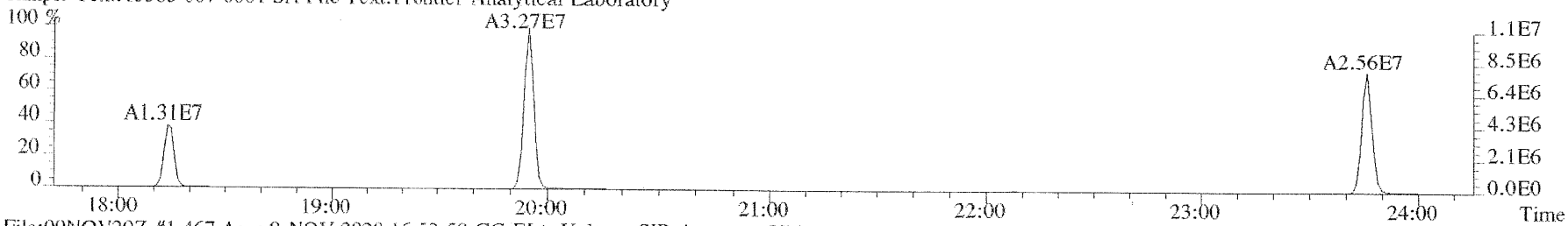
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



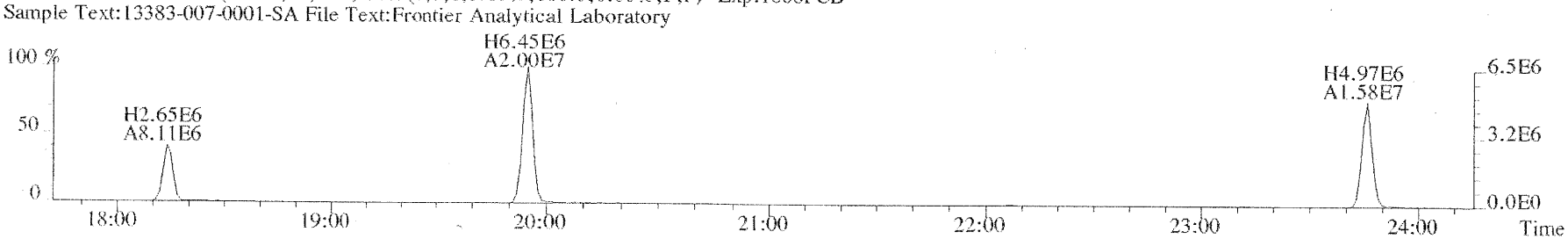
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



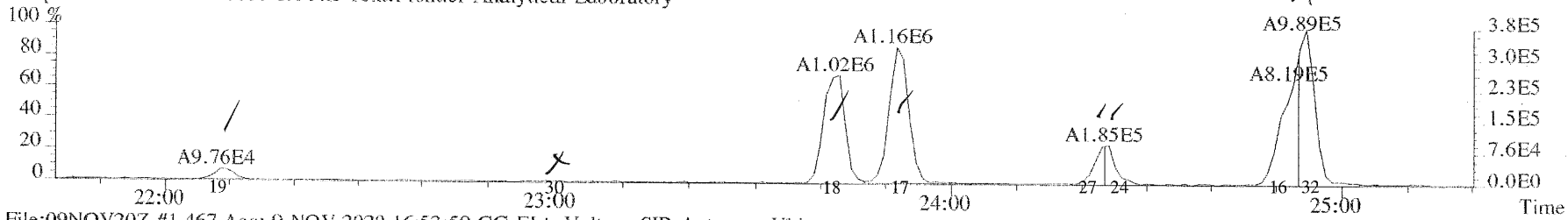
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



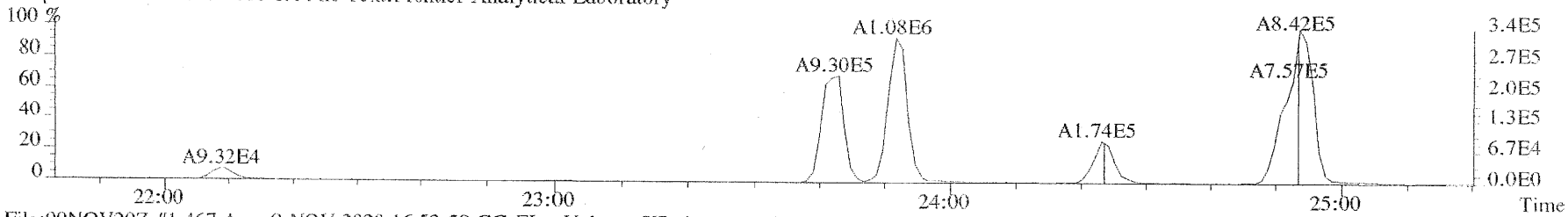
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



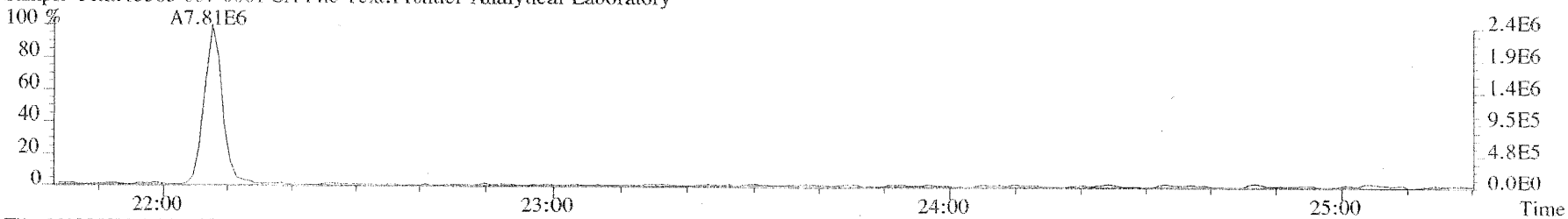
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



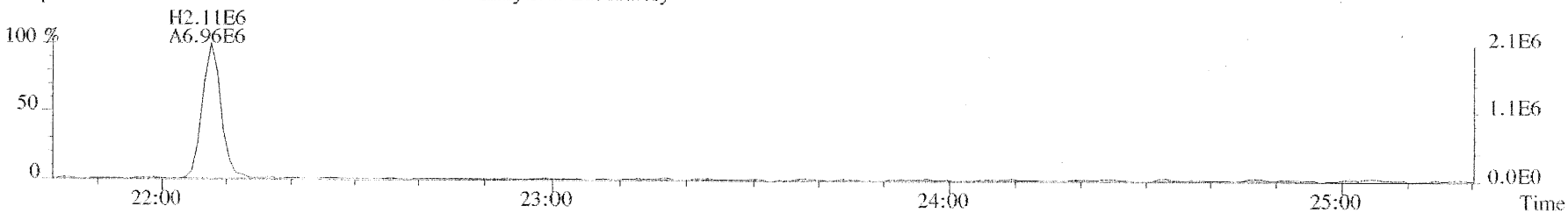
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



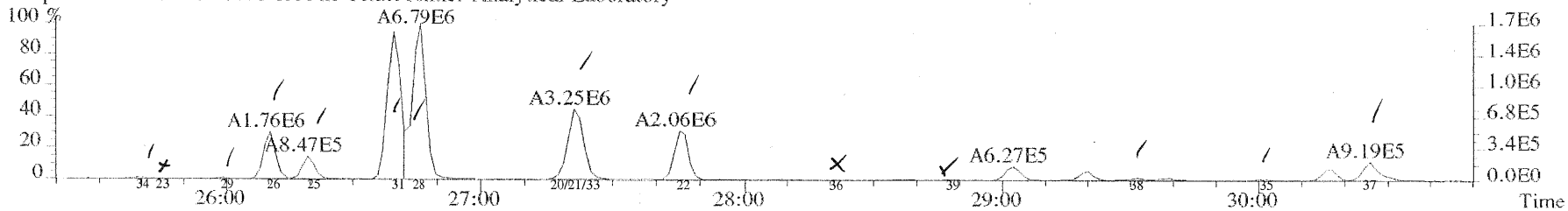
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



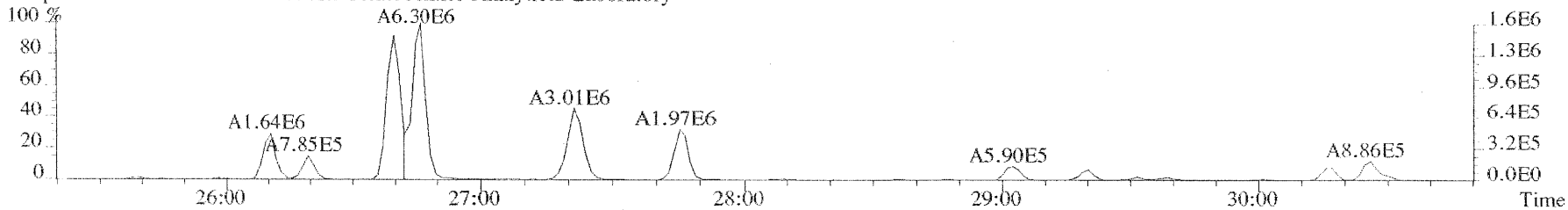
File:09NOV20Z #1-467 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



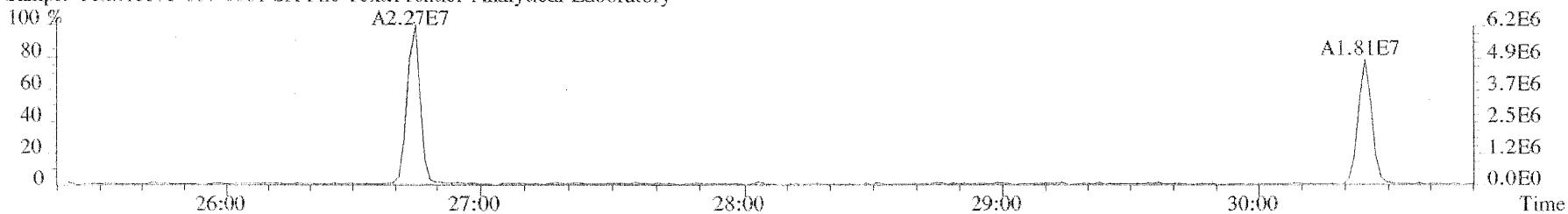
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



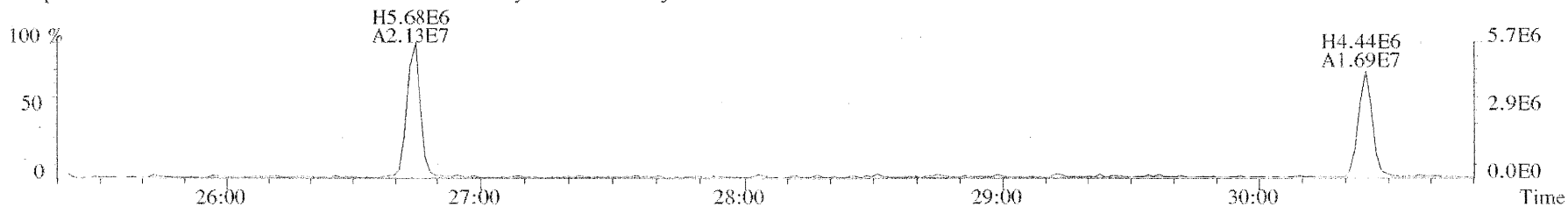
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



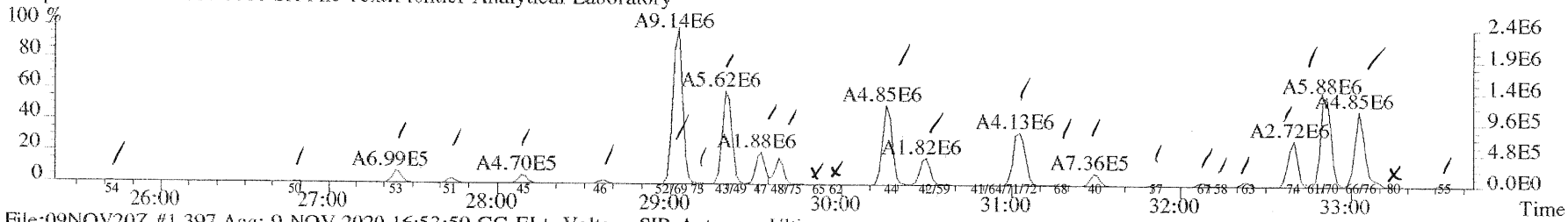
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



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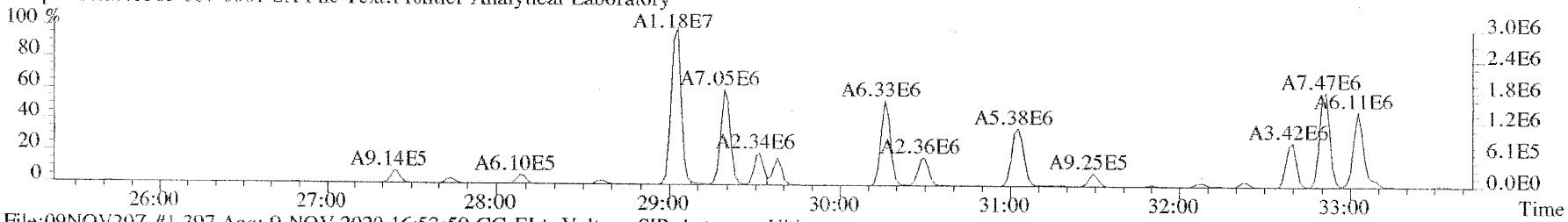
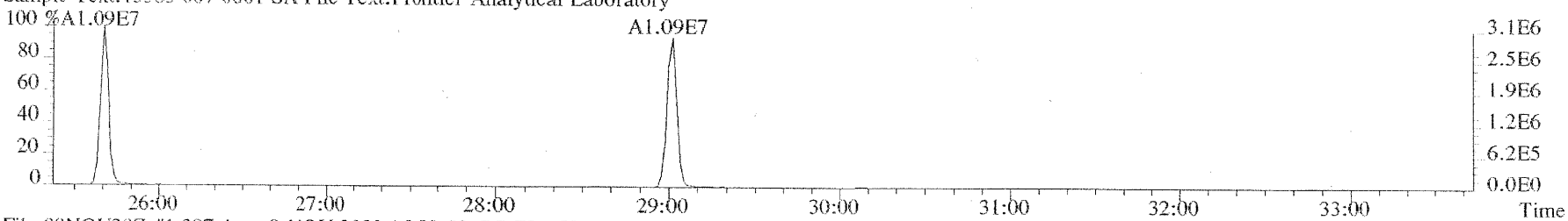
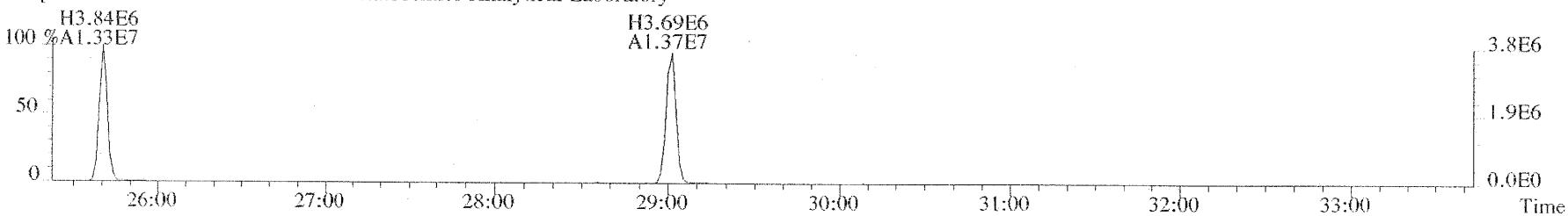
291.9194 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



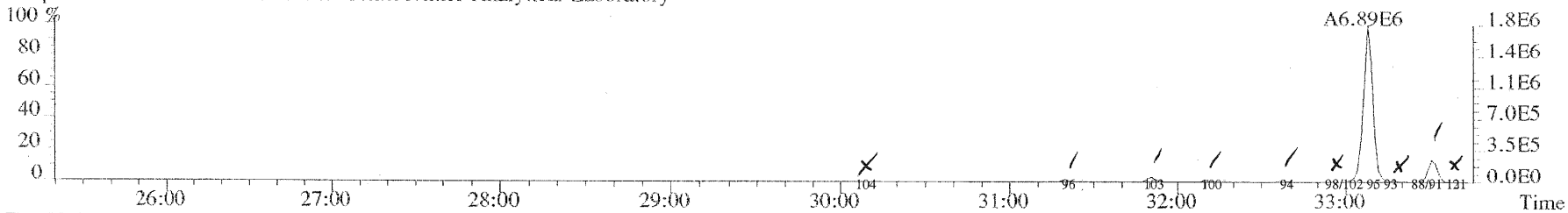
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



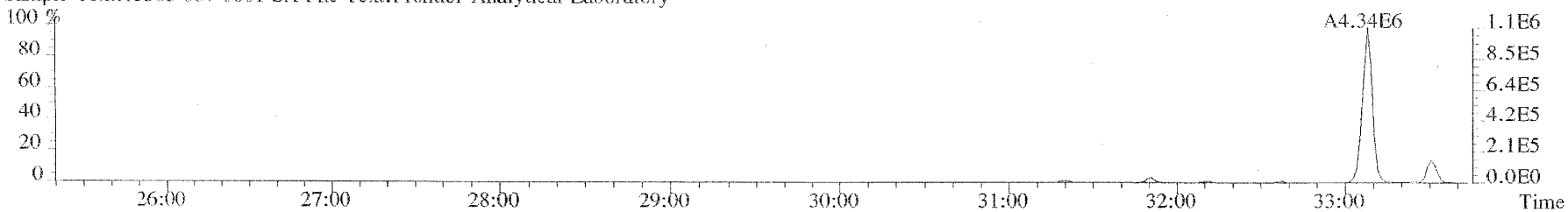
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



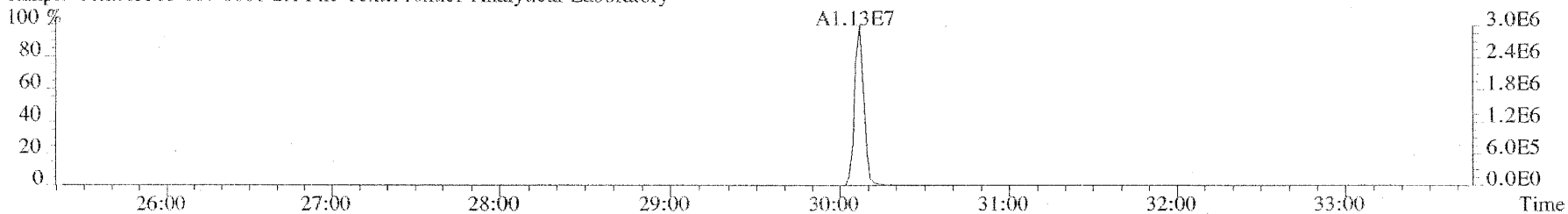
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



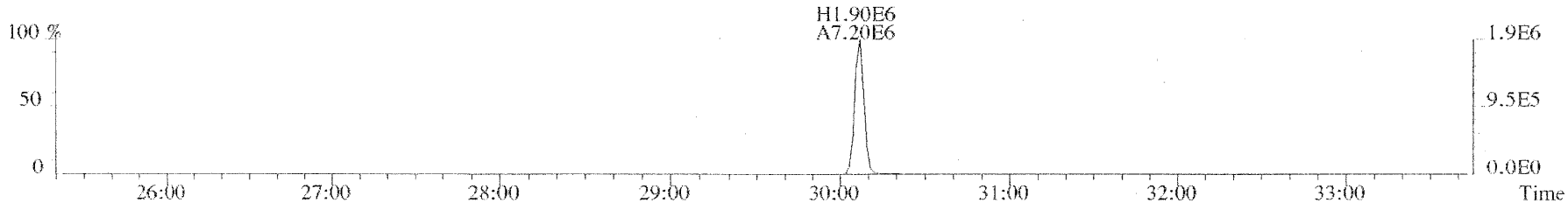
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



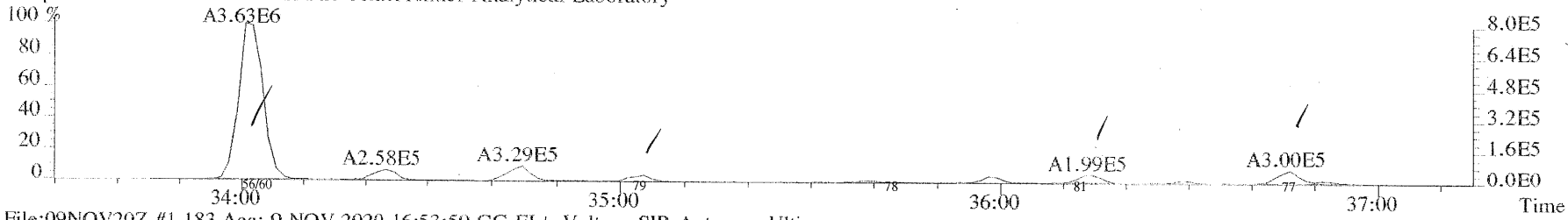
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



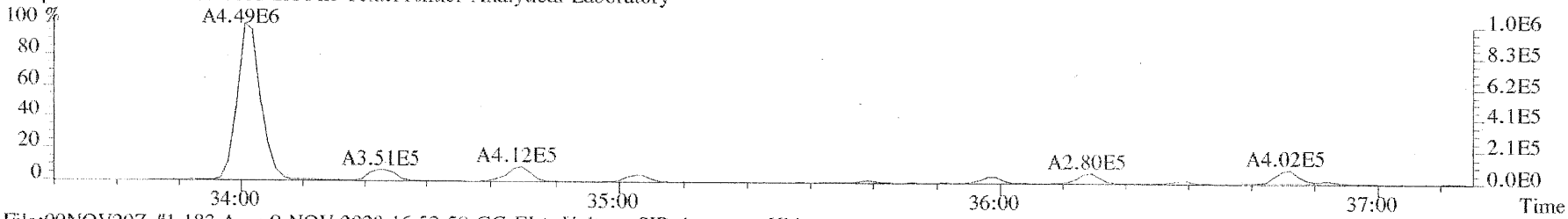
File:09NOV20Z #1-397 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



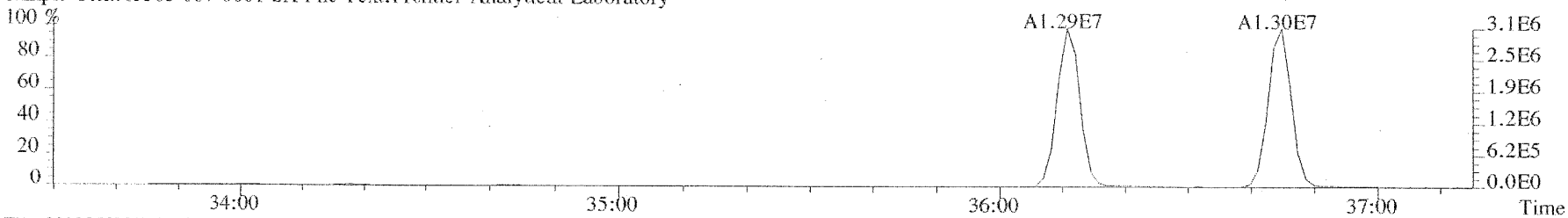
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



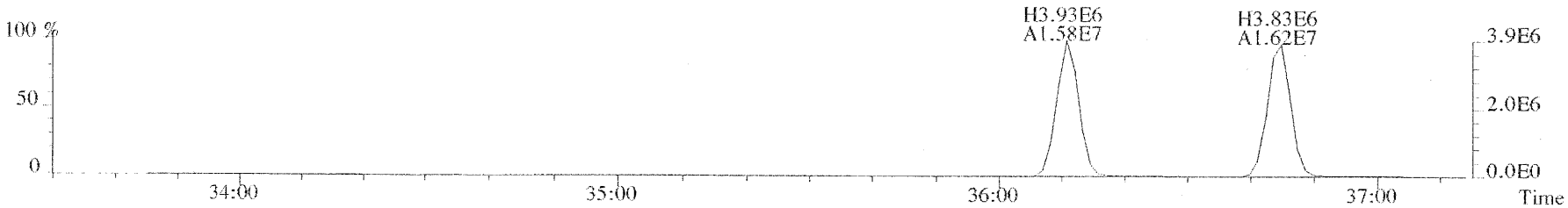
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



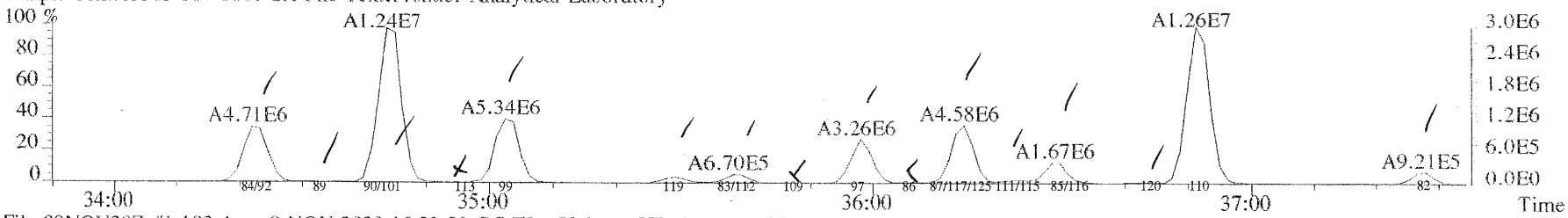
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



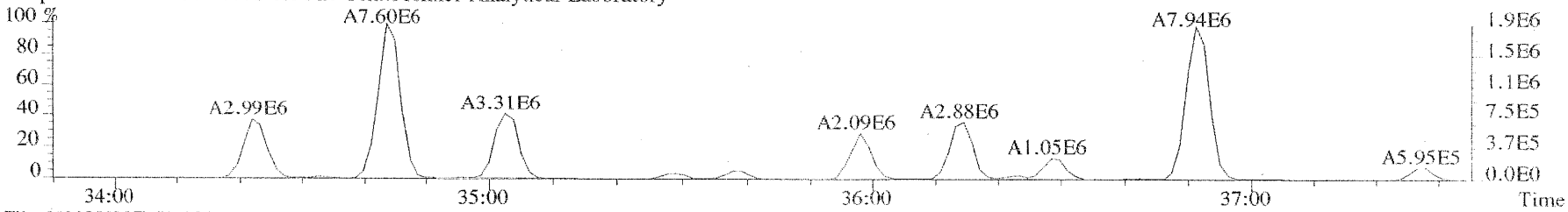
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



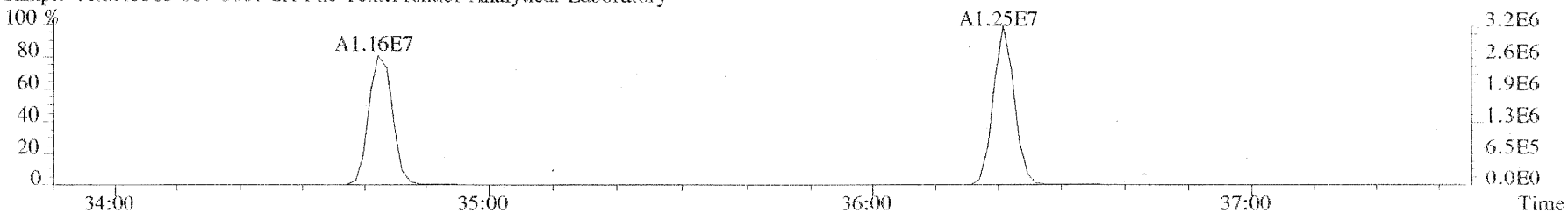
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



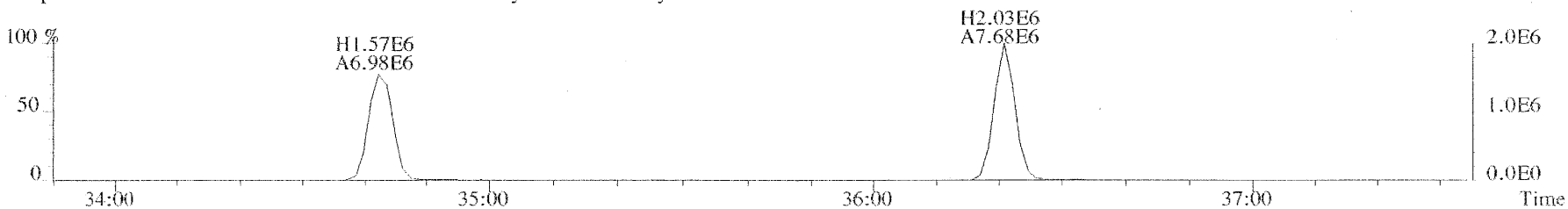
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



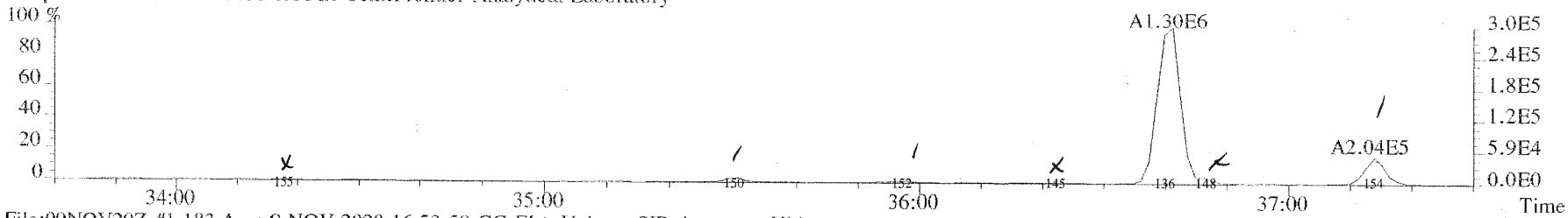
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



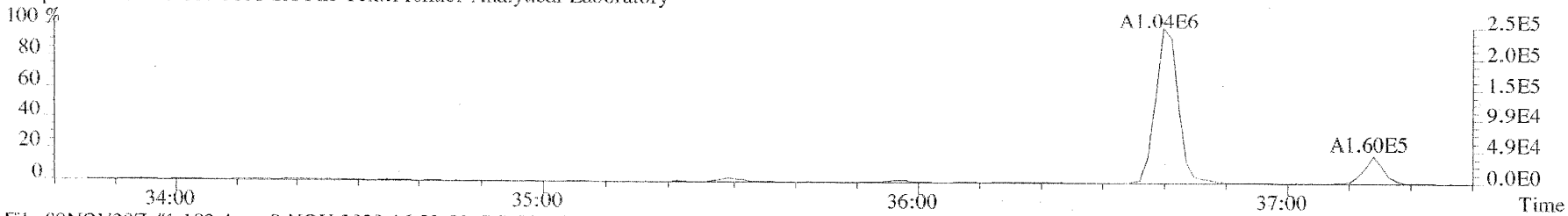
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



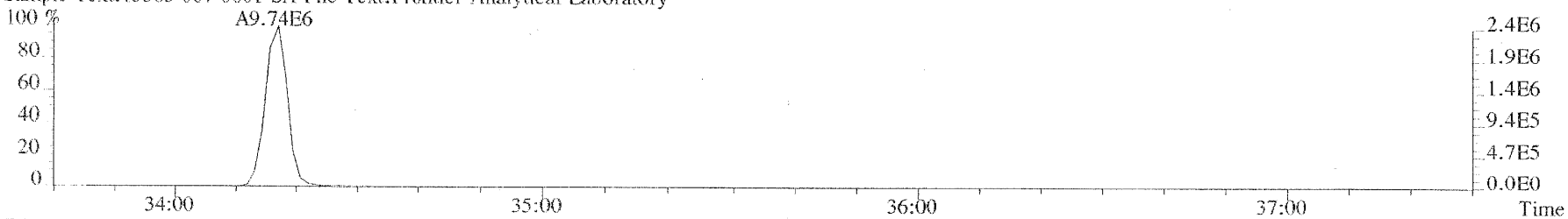
File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



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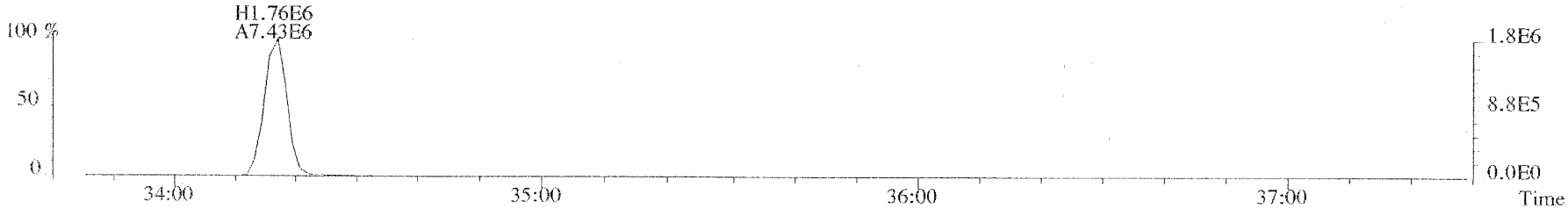
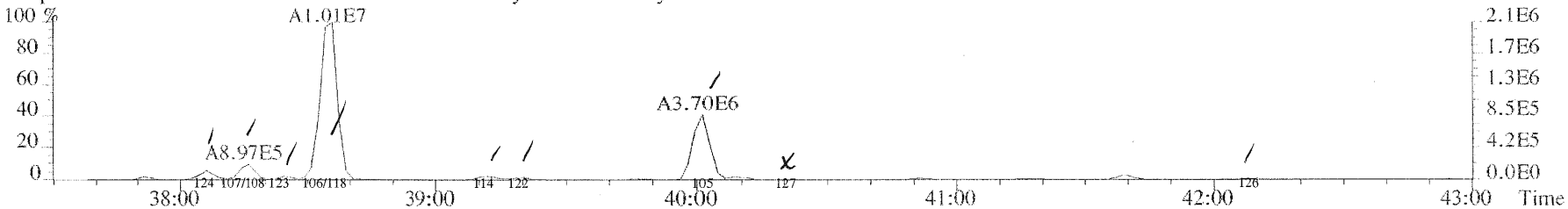
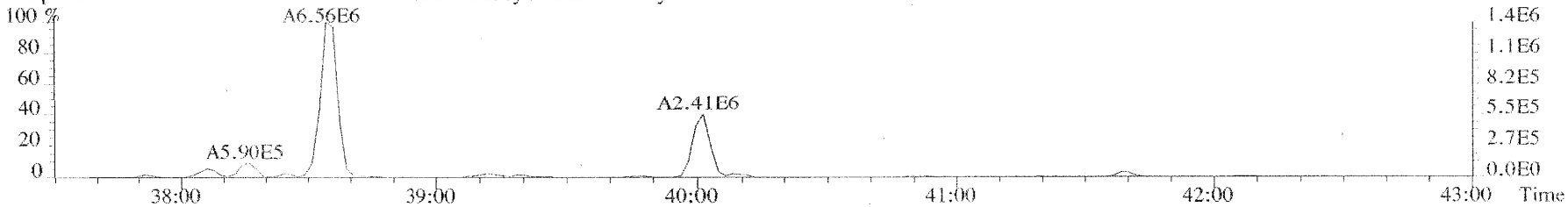
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



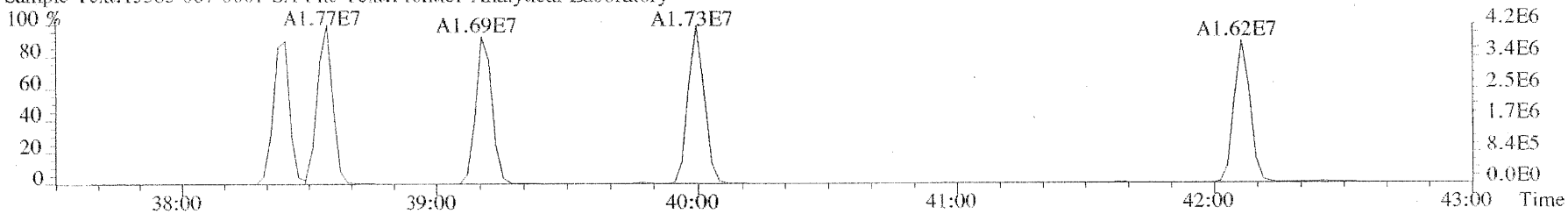
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



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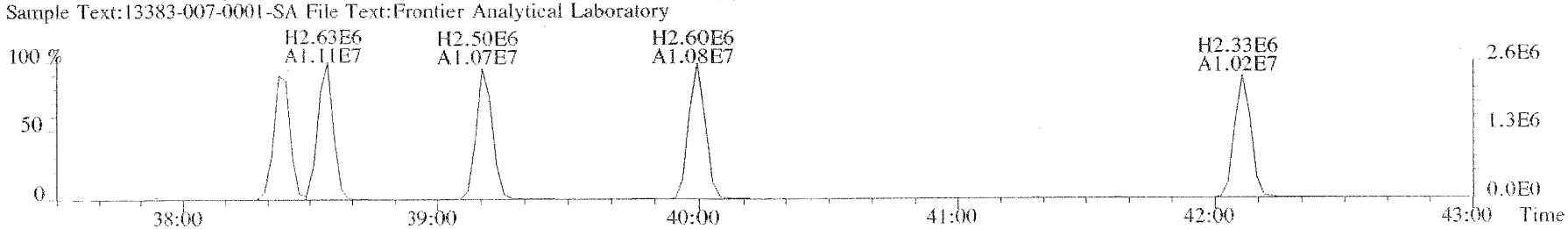
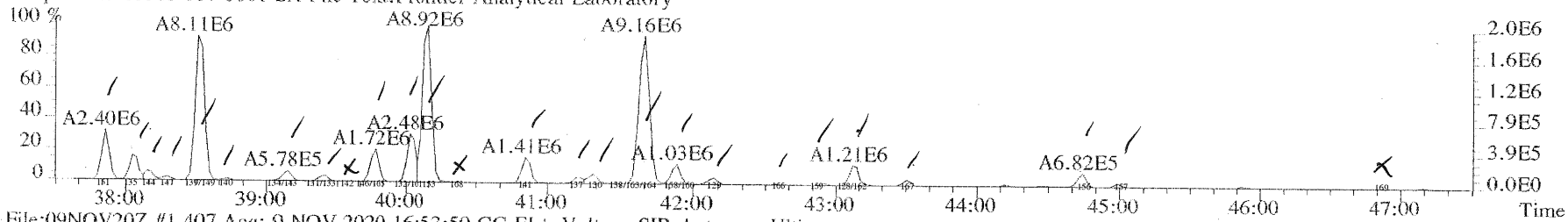
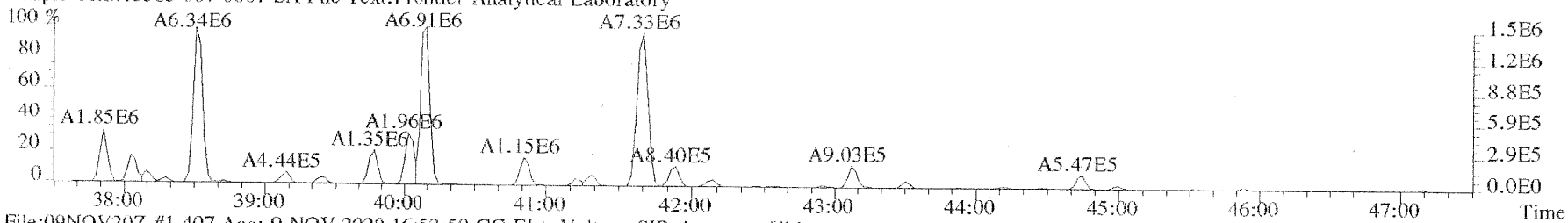
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



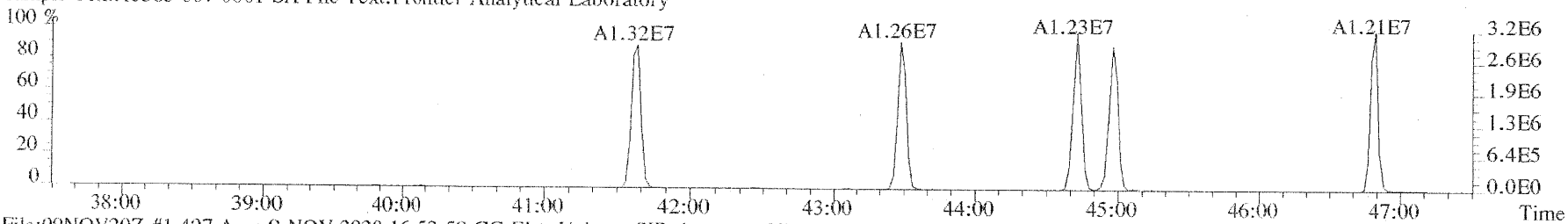
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



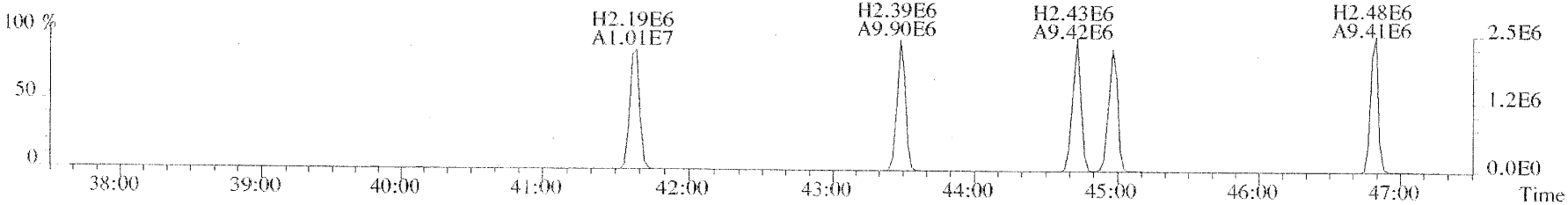
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



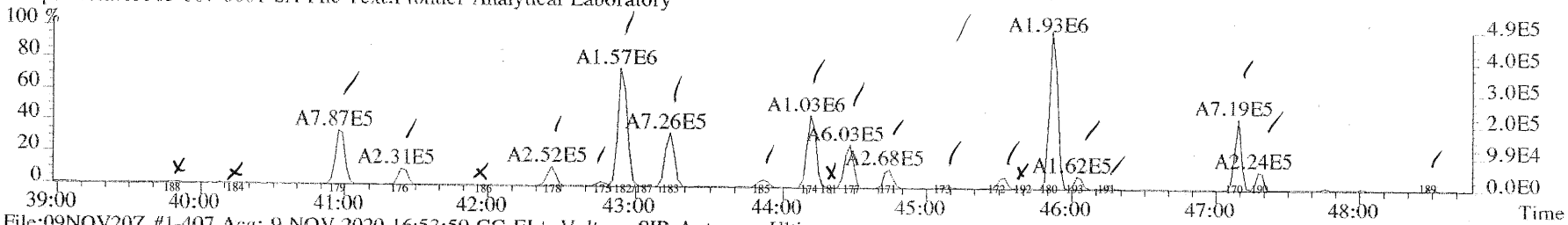
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 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:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



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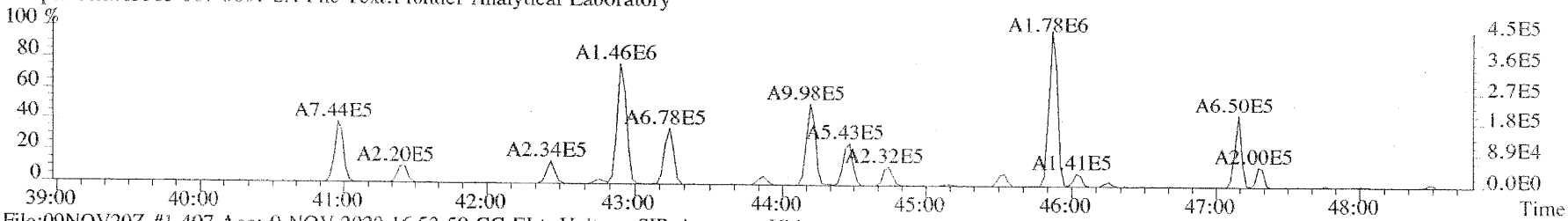
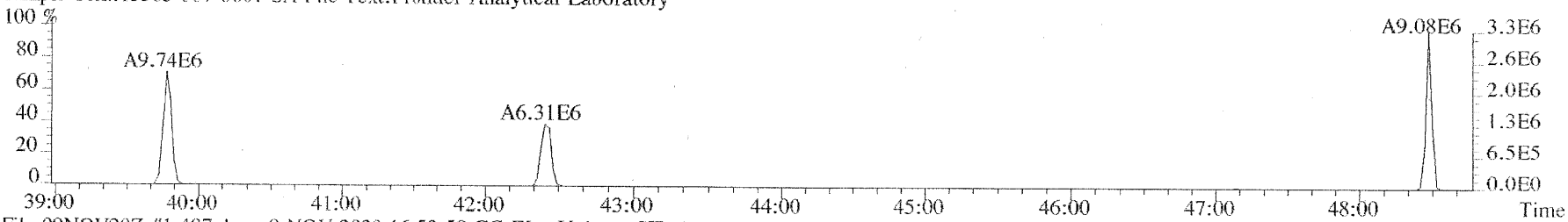
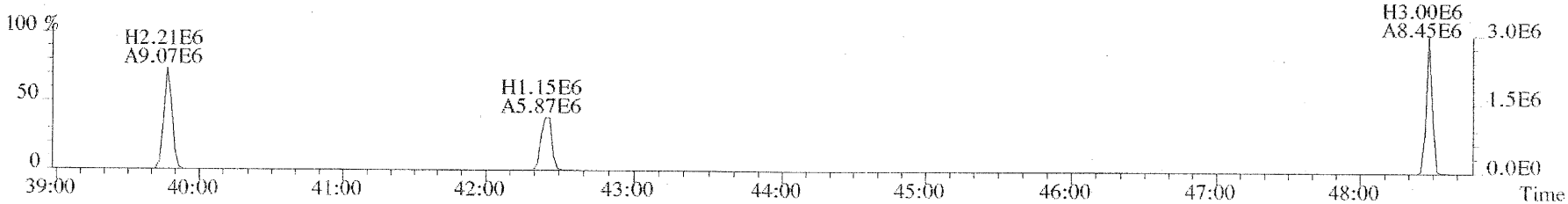
395.7995 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



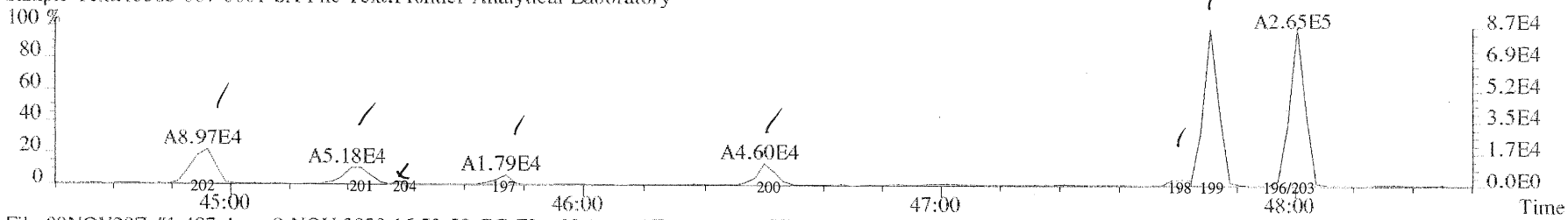
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



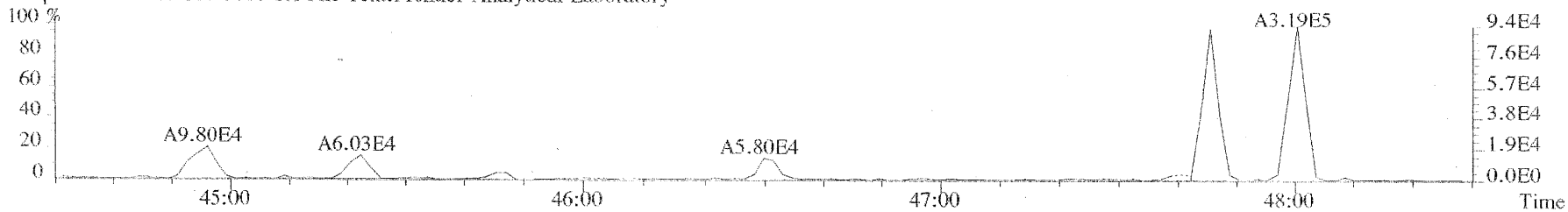
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



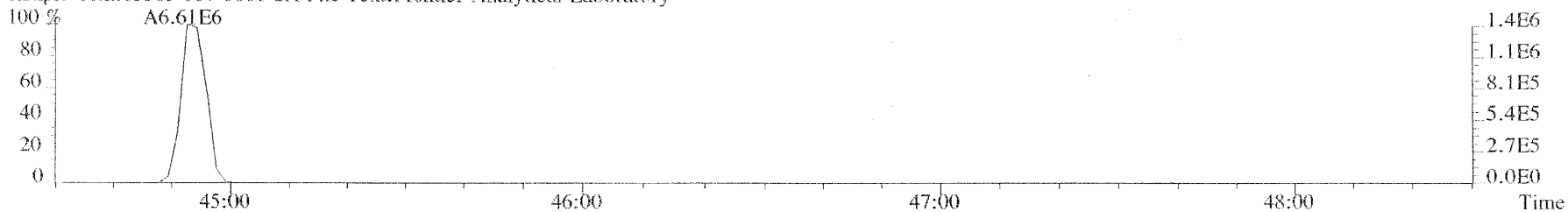
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



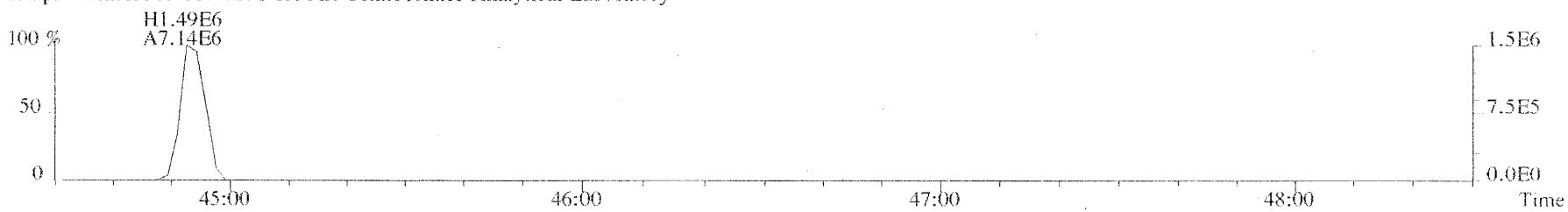
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



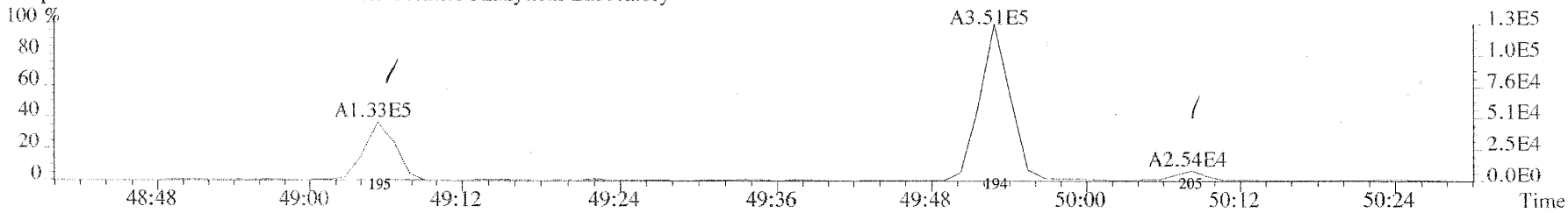
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



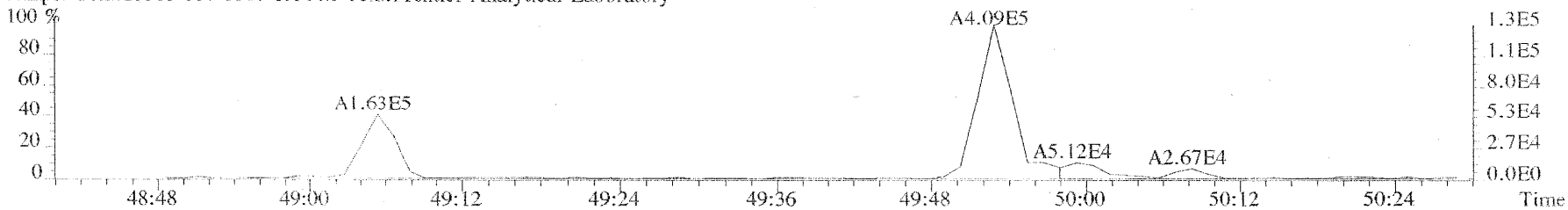
File:09NOV20Z #1-407 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



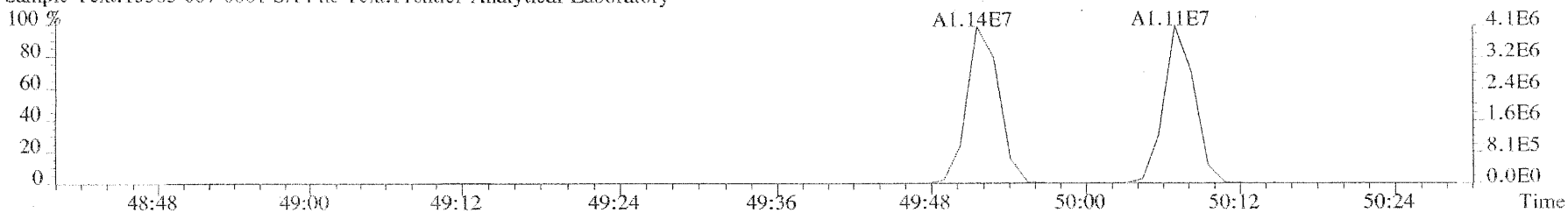
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



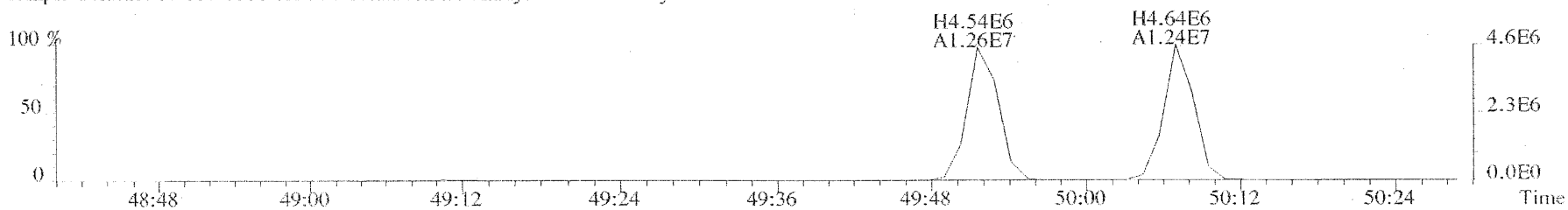
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



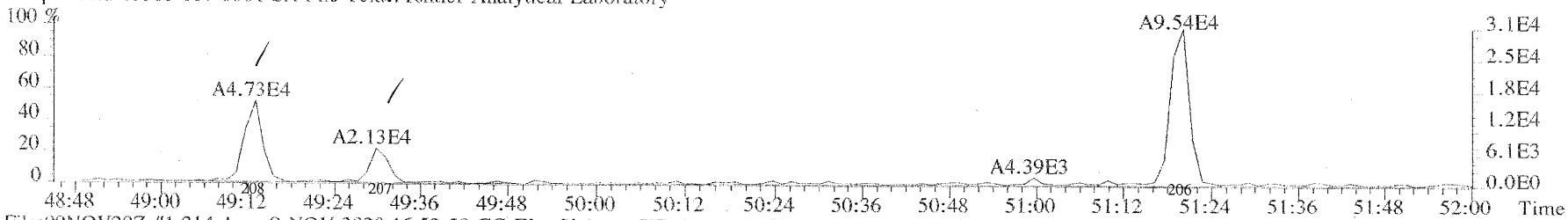
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



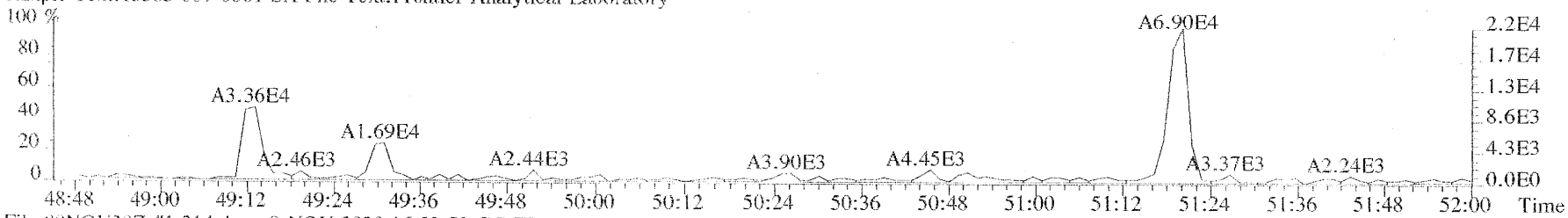
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



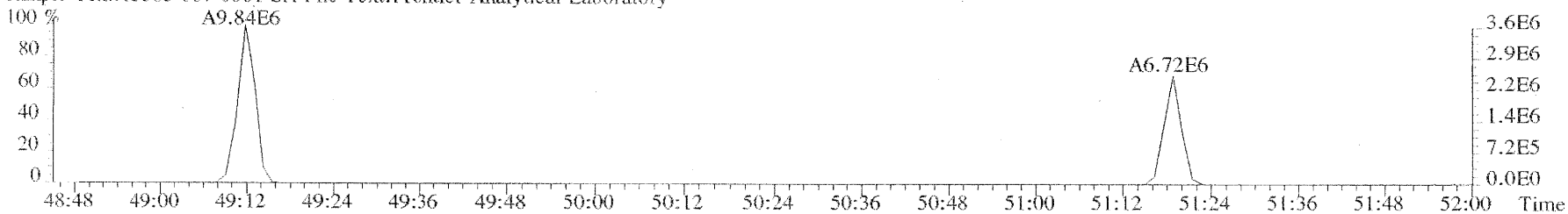
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



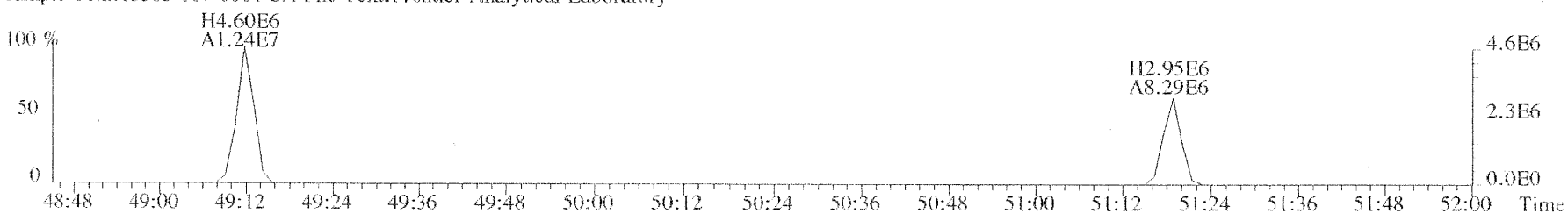
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



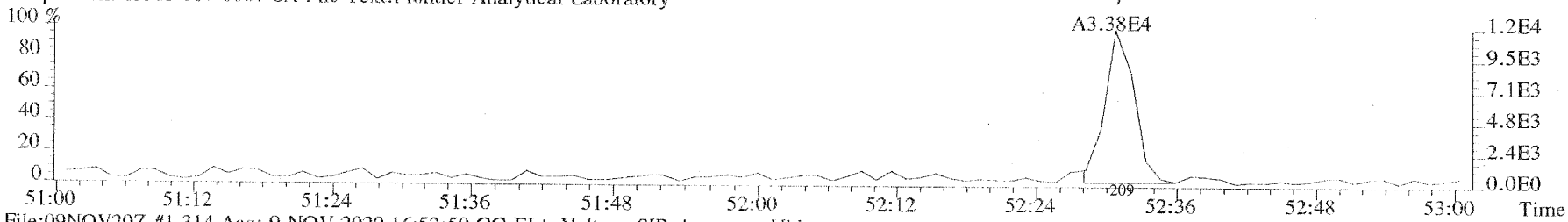
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



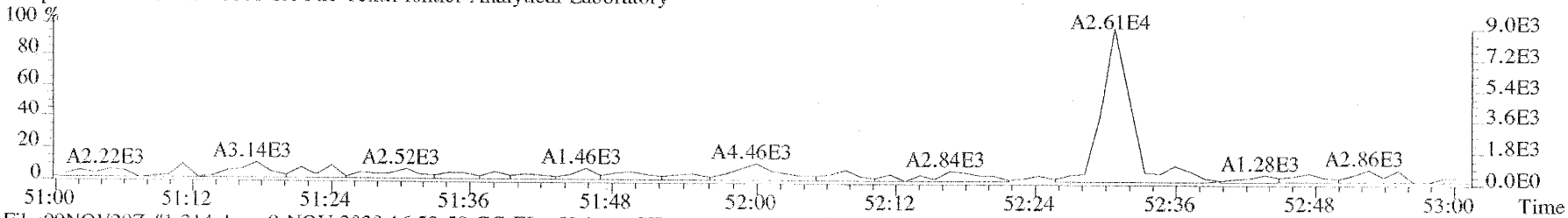
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



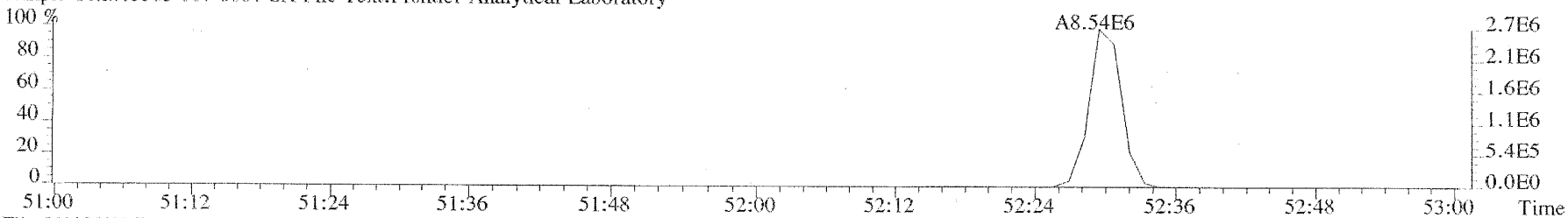
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



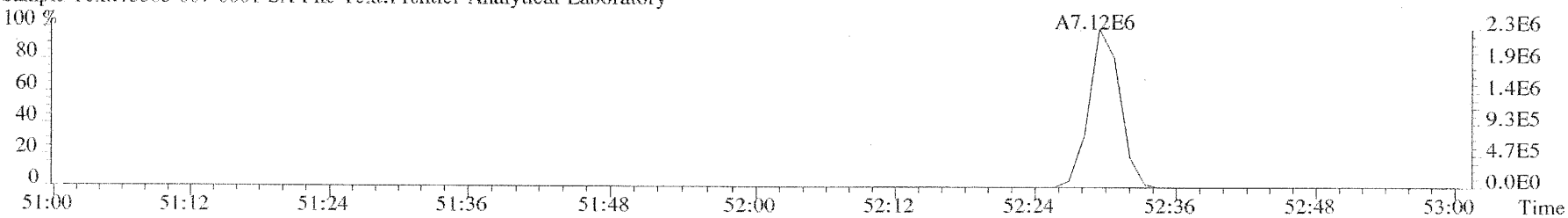
File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 16:53:59 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-007-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13383-014-0001-SA Filename: 09NOV20Z Sam:7 Acquired: 9-NOV-20 17:52:20 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 6.640

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.29	*		1000	820	1.24			
13C-PCB-1	1.17e+07	3.14 y	14:34	0.83	551					36.6	3.25e+06	1.03e+06
PCB-2	*	* n	NotFnd	1.28	*		1000	820	1.20			
PCB-3	*	* n	NotFnd	1.26	*		1000	820	1.17			
13C-PCB-3	1.46e+07	3.23 y	17:00	0.80	717					47.6	3.58e+06	1.09e+06
PCB-4	*	* n	NotFnd	1.09	*		657	1810	1.97			
PCB-10	*	* n	NotFnd	1.50	*		657	1810	1.00			
13C-PCB-4	1.28e+07	1.58 y	18:15	0.66	765					50.8	2.66e+06	1.66e+06
PCB-9	6.23e+04	1.48 y	19:57	1.41	3.30		-	-	*			
PCB-7	5.36e+04	1.49 y	19:59	1.44	2.78	J	-	-	*			
PCB-6	2.56e+05	1.44 y	20:35	1.38	13.9		-	-	*			
PCB-8	9.29e+05	1.48 y	20:57	1.37	50.4		-	-	*			
PCB-5	*	* n	NotFnd	1.43	*		657	1810	1.05			
PCB-14	*	* n	NotFnd	1.43	*		657	1810	1.05			
PCB-11	2.67e+05	1.41 y	23:07	1.34	14.9		-	-	*			
PCB-13	3.96e+04	1.52 y	23:28	1.32	2.23	J	-	-	*			
PCB-12	3.78e+04	1.40 y	23:29	1.35	2.09	J	-	-	*			
PCB-15	3.22e+05	1.60 y	23:48	1.20	14.7		-	-	*			
13C-PCB-15	2.76e+07	1.66 y	23:46	0.99	1100					72.9	5.01e+06	2.80e+06
PCB-19	1.46e+05	1.18 y	22:09	1.21	22.4		-	-	*			
PCB-30	*	* n	NotFnd	1.89	*		1290	488	1.90			
PCB-18	1.56e+06	1.10 y	23:43	1.28	224		-	-	*			
PCB-17	1.51e+06	1.09 y	23:53	1.38	202		-	-	*			
PCB-27	2.37e+05	1.08 y	24:23	1.72	25.4		-	-	*			
PCB-24	2.70e+05	1.14 y	24:25	1.78	28.0		-	-	*			
PCB-16	1.08e+06	1.10 y	24:54	1.53	130		-	-	*			
PCB-32	1.28e+06	1.16 y	24:55	1.60	147		-	-	*			
13C-PCB-19	8.15e+06	1.15 y	22:09	0.46	697					46.3	9.96e+05	8.67e+05
13C-PCB-9	3.83e+07	1.64 y	19:56	-	9.51							
PCB-34	9.30e+04	1.14 y	25:40	1.26	4.58		-	-	*			
PCB-23	*	* n	NotFnd	1.36	*		1020	1130	1.03			
PCB-29	7.92e+04	1.11 y	26:00	1.33	3.67		-	-	*			
PCB-26	2.52e+06	1.04 y	26:10	1.27	122		-	-	*			
PCB-25	1.23e+06	1.06 y	26:21	1.23	61.9		-	-	*			
PCB-31	8.72e+06	1.06 y	26:41	1.19	452		-	-	*			
PCB-28	8.98e+06	1.07 y	26:46	1.57	353		-	-	*			
PCB-20	4.72e+06	1.10 y	27:23	1.26	232		-	-	*		Co-elute PCB 21/33	
PCB-21	4.72e+06	1.10 y	27:23	1.26	232		-	-	*		Co-elute PCB 20/33	
PCB-33	4.72e+06	1.10 y	27:23	1.26	232		-	-	*		Co-elute PCB 20/21	
PCB-22	2.90e+06	1.06 y	27:47	1.36	132		-	-	*			
PCB-36	*	* n	NotFnd	1.29	*		1020	1130	1.09			
PCB-39	*	* n	NotFnd	1.31	*		1020	1130	1.07			
PCB-38	1.63e+05	0.99 y	29:31	1.25	8.07		-	-	*			
PCB-35	8.70e+04	1.15 y	30:02	1.20	4.48		-	-	*			
PCB-37	1.32e+06	1.13 y	30:26	1.28	63.8		-	-	*			
13C-PCB-37	2.43e+07	1.02 y	30:26	1.69	1230					81.5	2.96e+06	2.81e+06

PCB-54	3.74e+04	0.79	y	25:43	1.27	2.92	J	-	-	*			
PCB-50	5.64e+04	0.67	y	26:50	0.97	5.75		-	-	*			
PCB-53	1.28e+06	0.78	y	27:25	0.94	135		-	-	*			
PCB-51	4.01e+05	0.79	y	27:45	0.94	42.3		-	-	*			
PCB-45	7.96e+05	0.77	y	28:09	0.81	97.6		-	-	*			
PCB-46	3.29e+05	0.76	y	28:37	0.77	42.5		-	-	*			
PCB-52	1.38e+07	0.79	y	29:02	1.04	1320		-	-	*	Co-elute PCB 69		
PCB-69	1.38e+07	0.79	y	29:02	1.04	1320		-	-	*	Co-elute PCB 52		
PCB-73	2.28e+05	0.77	y	29:09	1.12	20.3		-	-	*			
PCB-43	9.08e+06	0.77	y	29:20	0.89	1010		-	-	*	Co-elute PCB 49		
PCB-49	9.08e+06	0.77	y	29:20	0.89	1010		-	-	*	Co-elute PCB 43		
PCB-47	3.16e+06	0.77	y	29:31	0.94	333		-	-	*			
PCB-48	2.68e+06	0.78	y	29:38	1.16	230		-	-	*	Co-elute PCB 75		
PCB-75	2.68e+06	0.78	y	29:38	1.16	230		-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*		850	930	1.46			
PCB-62	*	*	n	NotFnd	1.12	*		850	930	1.54			
PCB-44	7.75e+06	0.76	y	30:17	0.75	1030		-	-	*			
PCB-42	3.35e+06	0.79	y	30:30	1.04	320		-	-	*	Co-elute PCB 59		
PCB-59	3.35e+06	0.79	y	30:30	1.04	320		-	-	*	Co-elute PCB 42		
PCB-72	6.85e+06	0.78	y	31:03	1.15	593		-	-	*	Co-elute PCB 41/71/64		
PCB-41	6.85e+06	0.78	y	31:03	1.15	593		-	-	*	Co-elute PCB 72/71/64		
PCB-71	6.85e+06	0.78	y	31:03	1.15	593		-	-	*	Co-elute PCB 72/41/64		
PCB-64	6.85e+06	0.78	y	31:03	1.15	593		-	-	*	Co-elute PCB 72/41/71		
PCB-68	1.23e+05	0.85	y	31:18	1.33	9.23		-	-	*			
PCB-40	1.12e+06	0.85	y	31:30	0.72	154		-	-	*			
PCB-57	9.82e+04	0.85	y	31:51	1.26	7.74		-	-	*			
PCB-67	3.72e+05	0.85	y	32:08	1.24	29.8		-	-	*			
PCB-58	4.49e+04	0.76	y	32:15	1.26	3.53		-	-	*			
PCB-63	4.99e+05	0.82	y	32:25	1.25	39.7		-	-	*			
PCB-74	4.70e+06	0.78	y	32:40	1.25	374		-	-	*			
PCB-61	1.07e+07	0.77	y	32:53	1.14	929		-	-	*	Co-elute PCB 70		
PCB-70	1.07e+07	0.77	y	32:53	1.14	929		-	-	*	Co-elute PCB 61		
PCB-76	8.31e+06	0.78	y	33:04	1.33	620		-	-	*	Co-elute PCB 66		
PCB-66	8.31e+06	0.78	y	33:04	1.33	620		-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*		850	930	1.14			
PCB-55	2.28e+05	0.78	y	33:33	1.30	17.4		-	-	*			
13C-PCB-54	1.52e+07	0.80	y	25:40	1.29	1000					66.4	1.69e+06	2.18e+06
PCB-104	*	*	n	NotFnd	1.16	*		448	568	1.07			
PCB-96	9.80e+04	1.41	y	31:20	1.08	10.7		-	-	*			
PCB-103	2.05e+05	1.55	y	31:52	0.91	26.7		-	-	*			
PCB-100	7.88e+04	1.38	y	32:11	0.95	9.85		-	-	*			
PCB-94	7.36e+04	1.48	y	32:39	0.78	11.2		-	-	*			
PCB-98	*	*	n	NotFnd	0.80	*		448	568	1.56	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*		448	568	1.56	Co-elute PCB 98		
PCB-95	8.35e+06	1.53	y	33:09	0.89	1120		-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*		448	568	1.45			
PCB-88	1.18e+06	1.53	y	33:32	0.91	153		-	-	*	Co-elute PCB 91		
PCB-91	1.18e+06	1.53	y	33:32	0.91	153		-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*		448	568	1.14			
13C-PCB-104	1.27e+07	1.60	y	30:08	1.07	1010					67.4	1.90e+06	1.17e+06
13C-PCB-28	2.97e+07	1.07	y	26:45	2.08	1220					81.0	3.92e+06	3.66e+06
13C-PCB-52	1.77e+07	0.79	y	29:01	-	8.55							

PCB-56	7.16e+06	0.79	y	34:02	1.20	406	-	-	*		Co-elute PCB 60	
PCB-60	7.16e+06	0.79	y	34:02	1.20	406	-	-	*		Co-elute PCB 56	
PCB-79	1.93e+05	0.75	y	35:05	1.23	10.7	-	-	*			
PCB-78	*	*	n	NotFnd	1.25	*	899	999	1.07			
PCB-81	4.02e+05	0.82	y	36:15	1.31	20.9	-	-	*			
13C-PCB-81	2.21e+07	0.81	y	36:12	1.53	1370				90.7	2.39e+06	2.91e+06
PCB-77	6.15e+05	0.85	y	36:47	1.13	36.9	-	-	*			
13C-PCB-77	2.22e+07	0.81	y	36:45	1.64	1290				85.7	2.39e+06	3.04e+06
PCB-155	*	*	n	NotFnd	1.12	*	650	621	1.42			
PCB-150	3.80e+04	1.28	y	35:32	1.04	4.22	-	-	*			
PCB-152	*	*	n	NotFnd	1.03	*	650	621	1.55			
PCB-145	*	*	n	NotFnd	1.07	*	650	621	1.49			
PCB-136	1.69e+06	1.24	y	36:41	1.01	195	-	-	*			
PCB-148	*	*	n	NotFnd	0.83	*	650	621	1.94			
PCB-154	2.09e+05	1.17	y	37:15	0.90	26.9	-	-	*			
13C-PCB-155	1.30e+07	1.30	y	34:17	1.21	1020				67.7	1.70e+06	1.29e+06
13C-PCB-111	1.52e+07	1.62	y	36:22	1.31	1100				73.2	2.24e+06	1.35e+06
13C-PCB-101	1.59e+07	1.63	y	34:43	-	7.58						
PCB-84	5.42e+06	1.55	y	34:23	0.73	513	-	-	*		Co-elute PCB 92	
PCB-92	5.42e+06	1.55	y	34:23	0.73	513	-	-	*		Co-elute PCB 84	
PCB-89	1.53e+05	1.58	y	34:35	0.73	14.6	-	-	*			
PCB-90	1.56e+07	1.55	y	34:45	0.82	1310	-	-	*		Co-elute PCB 101	
PCB-101	1.56e+07	1.55	y	34:45	0.82	1310	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.90	*	848	750	1.28			
PCB-99	6.34e+06	1.51	y	35:04	0.92	478	-	-	*			
PCB-119	5.40e+05	1.66	y	35:30	1.00	37.4	-	-	*			
PCB-83	7.93e+05	1.60	y	35:39	0.83	66.4	-	-	*		Co-elute PCB 112	
PCB-112	7.93e+05	1.60	y	35:39	0.83	66.4	-	-	*		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*	848	750	1.18			
PCB-97	4.18e+06	1.57	y	35:59	0.71	410	-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*	848	750	1.65			
PCB-125	5.80e+06	1.55	y	36:15	0.93	433	-	-	*		Co-elute PCB 87/117	
PCB-87	5.80e+06	1.55	y	36:15	0.93	433	-	-	*		Co-elute PCB 125/117	
PCB-117	5.80e+06	1.55	y	36:15	0.93	433	-	-	*		Co-elute PCB 125/87	
PCB-111	3.28e+05	1.47	y	36:23	1.08	21.1	-	-	*		Co-elute PCB 115	
PCB-115	3.28e+05	1.47	y	36:23	1.08	21.1	-	-	*		Co-elute PCB 111	
PCB-85	2.14e+06	1.49	y	36:30	0.88	168	-	-	*		Co-elute PCB 116	
PCB-116	2.14e+06	1.49	y	36:30	0.88	168	-	-	*		Co-elute PCB 85	
PCB-120	6.66e+04	1.47	y	36:44	1.09	4.24	-	-	*			
PCB-110	1.56e+07	1.58	y	36:52	1.05	1030	-	-	*			
PCB-82	1.19e+06	1.59	y	37:28	0.63	131	-	-	*			
PCB-124	7.36e+05	1.49	y	38:08	1.09	46.8	-	-	*			
PCB-108	1.24e+06	1.58	y	38:16	1.24	68.9	-	-	*		Co-elute PCB 107	
PCB-107	1.24e+06	1.58	y	38:16	1.24	68.9	-	-	*		Co-elute PCB 108	
PCB-123	2.76e+05	1.68	y	38:26	1.07	18.3	-	-	*			
13C-PCB-123	2.13e+07	1.59	y	38:24	1.29	1330				88.0	3.33e+06	2.08e+06
PCB-118	1.43e+07	1.55	y	38:36	1.13	837	-	-	*		Co-elute PCB 106	
PCB-106	1.43e+07	1.55	y	38:36	1.13	837	-	-	*		Co-elute PCB 118	
13C-PCB-118	2.27e+07	1.62	y	38:34	1.41	1300				86.0	3.28e+06	2.04e+06
PCB-114	3.71e+05	1.41	y	39:14	1.20	21.5	-	-	*			
13C-PCB-114	2.16e+07	1.59	y	39:12	1.34	1310				86.7	3.27e+06	2.03e+06
PCB-122	2.04e+05	1.57	y	39:20	1.15	12.3	-	-	*			
PCB-105	4.86e+06	1.54	y	40:01	1.23	278	-	-	*			
13C-PCB-105	2.13e+07	1.63	y	40:01	1.33	1300				86.0	2.95e+06	1.81e+06

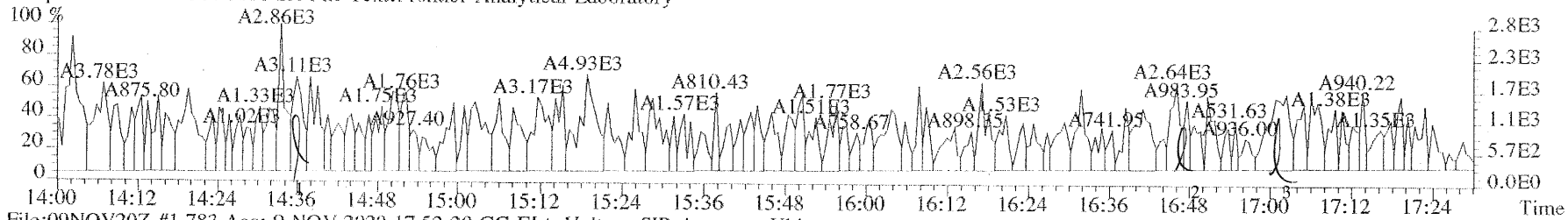
PCB-127	*	*	n	NotFnd	1.12	*	1060	890	1.26				
PCB-126	6.04e+04	1.35	y	42:10	1.20	3.73	-	-	*				
13C-PCB-126	2.04e+07	1.59	y	42:08	1.20	1370				90.8	2.96e+06	1.82e+06	
PCB-151	3.10e+06	1.25	y	37:53	1.02	281	-	-	*				
PCB-135	1.73e+06	1.22	y	38:04	1.08	148	-	-	*				
PCB-144	7.44e+05	1.32	y	38:11	1.08	63.8	-	-	*				
PCB-147	2.90e+05	1.26	y	38:18	1.13	23.7	-	-	*				
PCB-139	1.03e+07	1.26	y	38:32	1.15	824	-	-	*				Co-elute PCB 149
PCB-149	1.03e+07	1.26	y	38:32	1.15	824	-	-	*				Co-elute PCB 139
PCB-140	1.15e+05	1.31	y	38:44	1.15	9.26	-	-	*				
PCB-143	7.78e+05	1.23	y	39:09	0.93	77.6	-	-	*				Co-elute PCB 134
PCB-134	7.78e+05	1.23	y	39:09	0.93	77.6	-	-	*				Co-elute PCB 143
PCB-131	4.19e+05	1.29	y	39:25	0.97	40.1	-	-	*				Co-elute PCB 133
PCB-133	4.19e+05	1.29	y	39:25	0.97	40.1	-	-	*				Co-elute PCB 131
PCB-142	*	*	n	NotFnd	0.96	*	1020	870	1.82				
PCB-165	2.22e+06	1.25	y	39:46	1.25	165	-	-	*				Co-elute PCB 146
PCB-146	2.22e+06	1.25	y	39:46	1.25	165	-	-	*				Co-elute PCB 165
PCB-161	3.53e+06	1.26	y	40:03	1.22	267	-	-	*				Co-elute PCB 132
PCB-132	3.53e+06	1.26	y	40:03	1.22	267	-	-	*				Co-elute PCB 161
PCB-153	1.17e+07	1.26	y	40:10	1.21	898	-	-	*				
PCB-168	*	*	n	NotFnd	1.39	*	1020	870	1.26				
PCB-141	2.11e+06	1.23	y	40:52	1.04	188	-	-	*				
PCB-137	6.53e+05	1.30	y	41:20	1.13	53.6	-	-	*				
PCB-130	6.53e+05	1.30	y	41:20	0.88	69.0	-	-	*				
PCB-138	1.25e+07	1.26	y	41:40	1.26	912	-	-	*				Co-elute PCB 163/164
PCB-163	1.25e+07	1.26	y	41:40	1.26	912	-	-	*				Co-elute PCB 138/164
PCB-164	1.25e+07	1.26	y	41:40	1.26	912	-	-	*				Co-elute PCB 138/163
PCB-158	1.44e+06	1.32	y	41:53	1.38	96.0	-	-	*				Co-elute PCB 160
PCB-160	1.44e+06	1.32	y	41:53	1.38	96.0	-	-	*				Co-elute PCB 158
PCB-129	4.25e+05	1.28	y	42:08	0.91	43.1	-	-	*				
PCB-166	5.75e+04	1.25	y	42:36	1.33	4.00	-	-	*				
PCB-159	1.20e+05	1.23	y	42:56	1.38	8.06	-	-	*				
PCB-128	1.65e+06	1.30	y	43:09	1.17	131	-	-	*				Co-elute PCB 162
PCB-162	1.65e+06	1.30	y	43:09	1.17	131	-	-	*				Co-elute PCB 128
PCB-167	4.15e+05	1.36	y	43:32	1.21	31.8	-	-	*				
13C-PCB-167	1.63e+07	1.30	y	43:30	1.09	1200				79.9	2.22e+06	1.70e+06	
PCB-156	9.65e+05	1.25	y	44:44	1.29	69.1	-	-	*				
13C-PCB-156	1.63e+07	1.30	y	44:44	1.03	1280				85.2	2.04e+06	1.58e+06	
PCB-157	2.31e+05	1.24	y	45:01	1.24	17.0	-	-	*				
13C-PCB-157	1.65e+07	1.29	y	44:59	1.09	1220				80.8	2.26e+06	1.76e+06	
PCB-169	*	*	n	NotFnd	1.17	*	1020	870	1.22				
13C-PCB-169	1.60e+07	1.26	y	46:49	0.94	1370				91.0	2.75e+06	2.22e+06	

FAL ID: 13383-014-0001-SA Filename: 09NOV20Z Sam:7 Acquired: 9-NOV-20 17:52:20 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-SU-ENR+AC-C-WORM ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 6.640

PCB-188	*	*	n	NotFnd	1.10	*		600	576	1.57			
13C-PCB-188	1.18e+07	1.10	y	39:48	1.06	898					59.6	1.37e+06	1.20e+06
PCB-184	*	*	n	NotFnd	1.31	*		600	576	1.14			
PCB-179	1.02e+06	1.05	y	40:59	1.21	109		-	-	*			
PCB-176	2.91e+05	1.05	y	41:25	1.18	31.9		-	-	*			
PCB-186	*	*	n	NotFnd	1.22	*		600	576	1.23			
PCB-178	3.60e+05	1.18	y	42:28	0.85	54.8		-	-	*			
PCB-175	7.67e+04	1.04	y	42:48	0.88	11.3		-	-	*			
PCB-187	2.17e+06	1.06	y	42:56	0.92	303		-	-	*		Co-elute PCB 182	
PCB-182	2.17e+06	1.06	y	42:56	0.92	303		-	-	*		Co-elute PCB 187	
PCB-183	9.27e+05	1.13	y	43:16	0.95	126		-	-	*			
PCB-185	1.76e+05	1.12	y	43:52	0.85	26.6		-	-	*			
PCB-174	1.43e+06	1.03	y	44:13	0.82	226		-	-	*			
PCB-181	*	*	n	NotFnd	0.90	*		600	576	1.67			
PCB-177	8.18e+05	1.09	y	44:28	0.79	134		-	-	*			
PCB-171	3.64e+05	1.00	y	44:44	0.82	57.0		-	-	*			
PCB-173	4.36e+04	1.09	y	45:09	0.77	7.28		-	-	*			
PCB-172	2.20e+05	1.17	y	45:32	0.77	36.7		-	-	*			
PCB-192	*	*	n	NotFnd	1.01	*		600	576	1.48			
PCB-180	2.60e+06	1.10	y	45:54	0.83	403		-	-	*			
PCB-193	2.02e+05	1.13	y	46:03	1.07	24.4		-	-	*			
PCB-191	7.78e+04	1.04	y	46:15	1.04	9.63		-	-	*			
PCB-170	9.97e+05	1.03	y	47:09	0.74	175		-	-	*			
PCB-190	2.86e+05	1.14	y	47:19	0.97	38.1		-	-	*			
PCB-189	5.20e+04	1.16	y	48:30	1.08	6.27		-	-	*			
13C-PCB-189	1.15e+07	1.08	y	48:28	0.81	1150					76.3	1.75e+06	1.72e+06
PCB-202	1.33e+05	0.77	y	44:56	1.07	17.7		-	-	*			
PCB-201	7.94e+04	0.94	y	45:22	1.14	10.0		-	-	*			
PCB-204	*	*	n	NotFnd	1.14	*		500	550	1.35			
PCB-197	3.44e+04	0.79	y	45:45	1.15	4.29		-	-	*			
PCB-200	6.38e+04	0.98	y	46:31	1.10	8.31		-	-	*			
PCB-198	2.43e+04	0.77	y	47:39	0.77	4.52		-	-	*			
PCB-199	3.11e+05	0.99	y	47:45	0.80	55.7		-	-	*			
PCB-203	3.37e+05	0.96	y	48:00	0.87	55.4		-	-	*		Co-elute PCB 196	
PCB-196	3.37e+05	0.96	y	48:00	0.87	55.4		-	-	*		Co-elute PCB 203	
13C-PCB-202	1.05e+07	0.91	y	44:54	0.80	1060					70.3	1.24e+06	1.34e+06
13C-PCB-178	8.80e+06	1.08	y	42:26	0.75	948					62.9	1.06e+06	9.75e+05
13C-PCB-138	1.87e+07	1.28	y	41:38	-	8.20							
PCB-195	2.03e+05	1.02	y	49:07	1.00	18.1		-	-	*			
PCB-194	4.58e+05	0.88	y	49:53	1.05	38.7		-	-	*			
PCB-205	3.79e+04	0.82	y	50:08	1.20	2.82	J	-	-	*			
13C-PCB-205	1.69e+07	0.90	y	50:08	1.12	1320					87.4	2.81e+06	2.99e+06
PCB-208	5.39e+04	1.35	y	49:14	1.08	5.13		-	-	*			
13C-PCB-208	1.46e+07	0.80	y	49:13	1.19	1070					71.3	2.21e+06	2.74e+06
PCB-207	2.40e+04	1.15	y	49:31	1.31	2.25	J	-	-	*			
PCB-206	9.76e+04	1.23	y	51:20	1.13	13.3		-	-	*			
13C-PCB-206	9.80e+06	0.81	y	51:19	0.80	1060					70.7	1.46e+06	1.84e+06
PCB-209	3.57e+04	1.30	y	52:31	1.20	4.66		-	-	*			
13C-PCB-209	9.63e+06	1.25	y	52:31	0.88	955					63.4	1.63e+06	1.27e+06
13C-PCB-194	1.72e+07	0.91	y	49:53	-	8.68							

Analyst: _____ Date: 11/10/20

File:09NOV20Z #1-783 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-783 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
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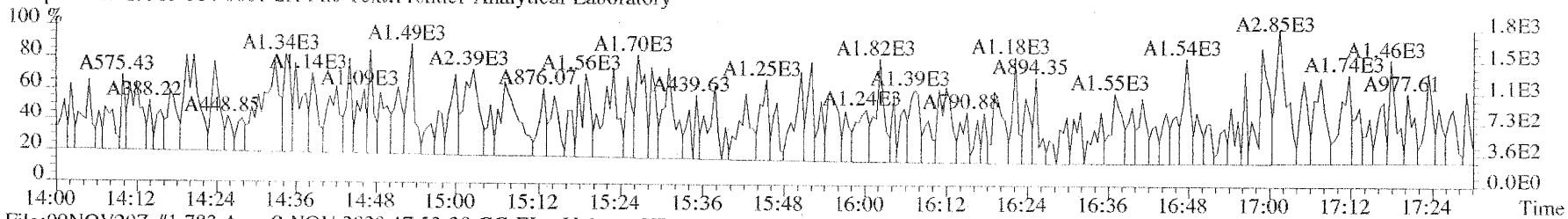
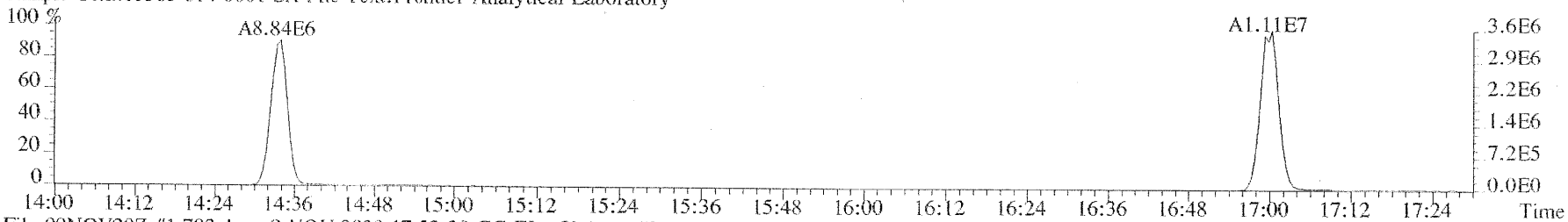
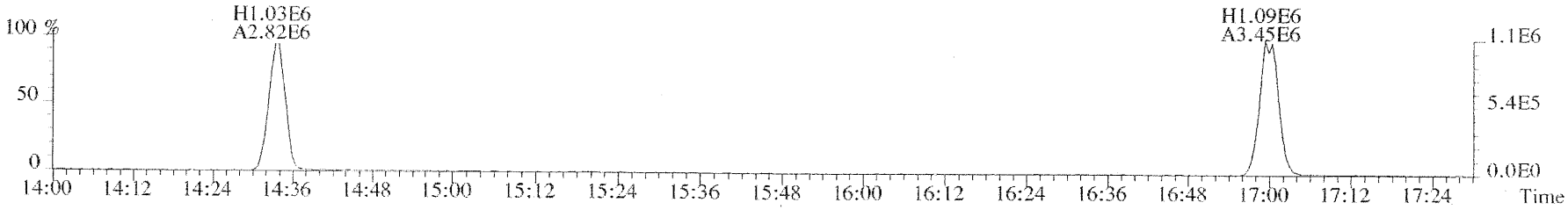
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



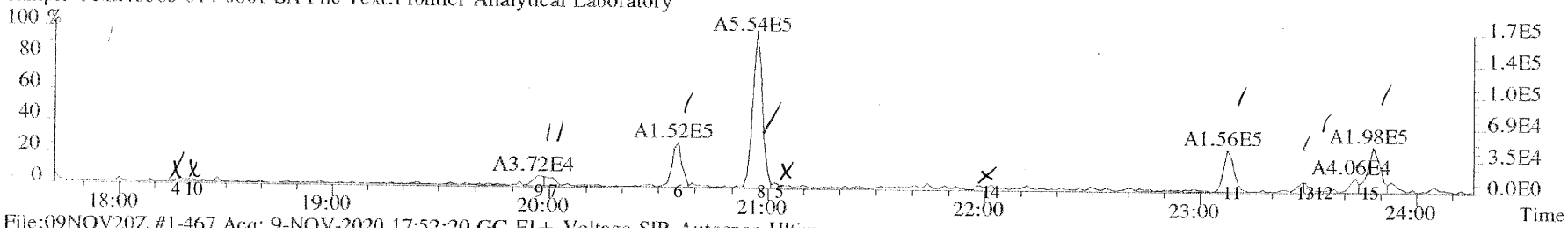
File:09NOV20Z #1-783 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



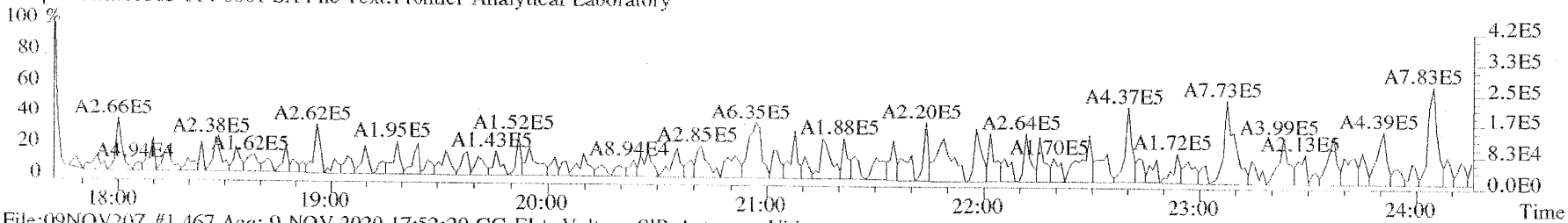
File:09NOV20Z #1-783 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:7 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



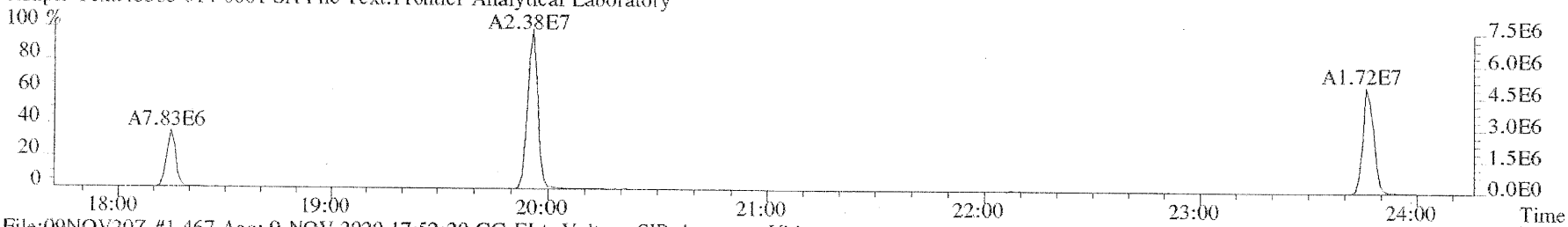
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



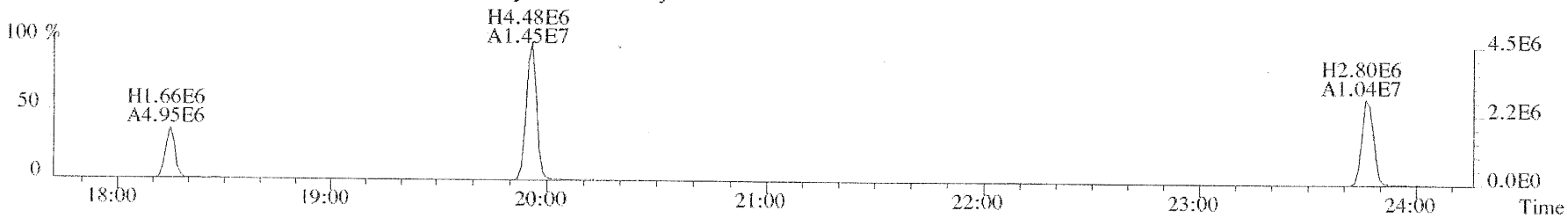
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



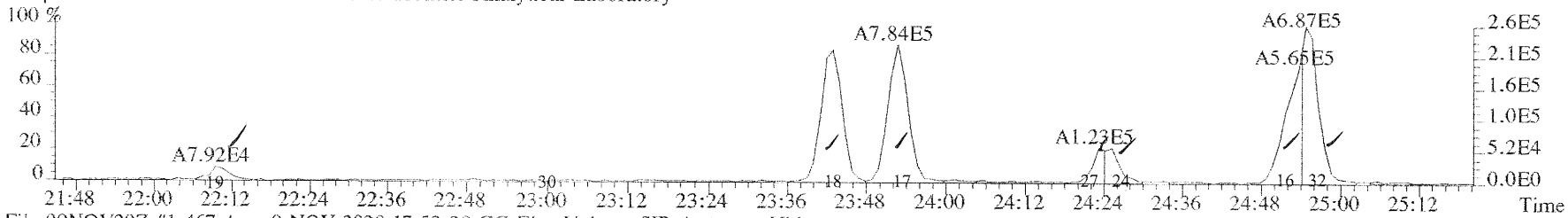
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



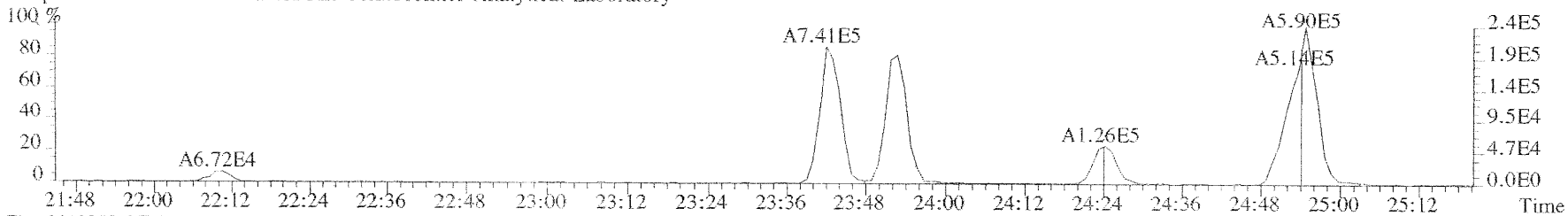
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



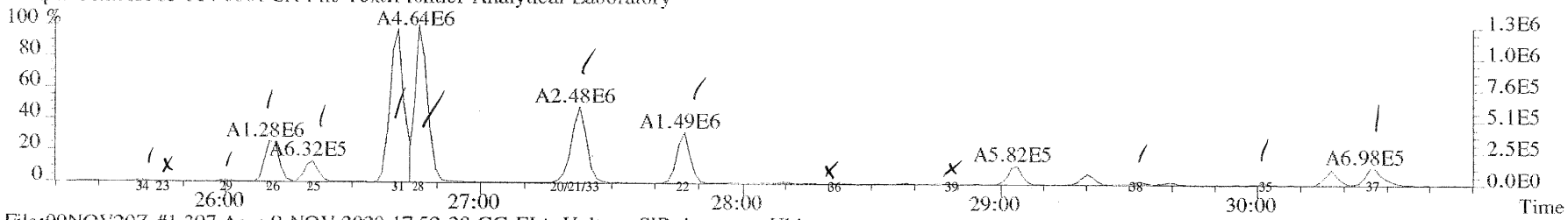
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:2 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



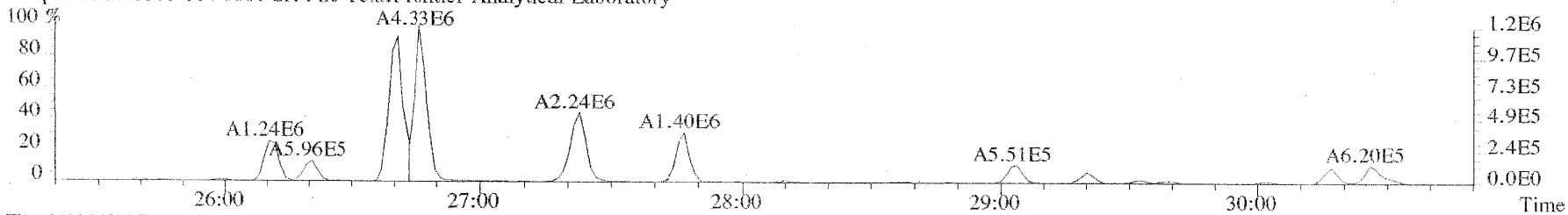
File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory

File:09NOV20Z #1-467 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory

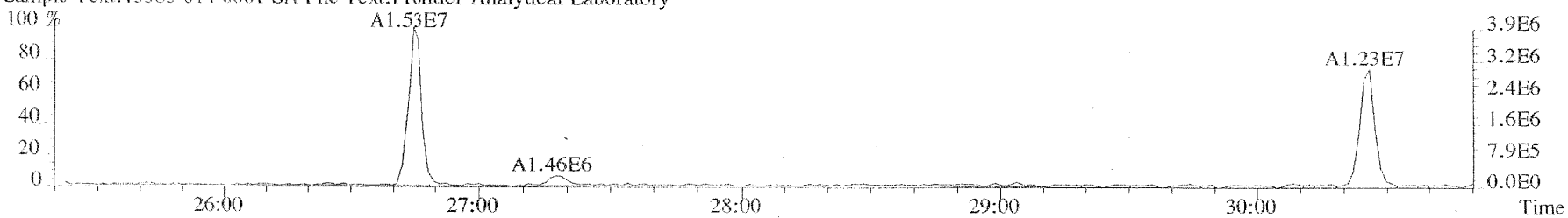
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



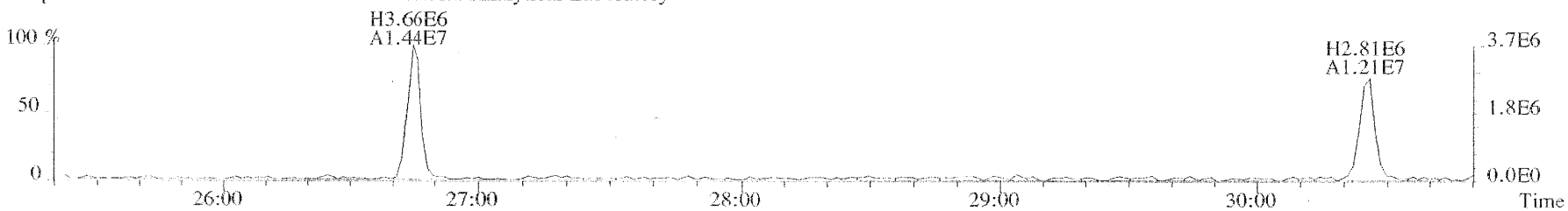
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



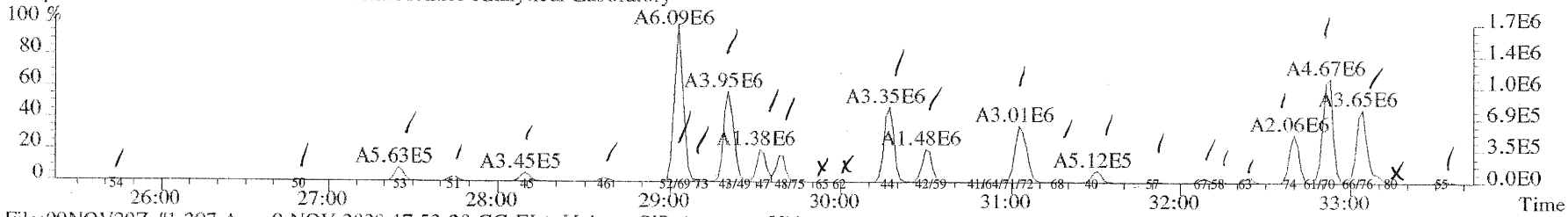
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



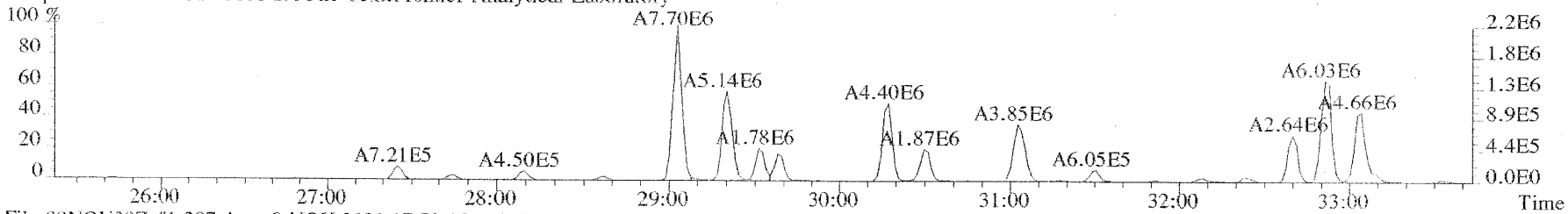
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



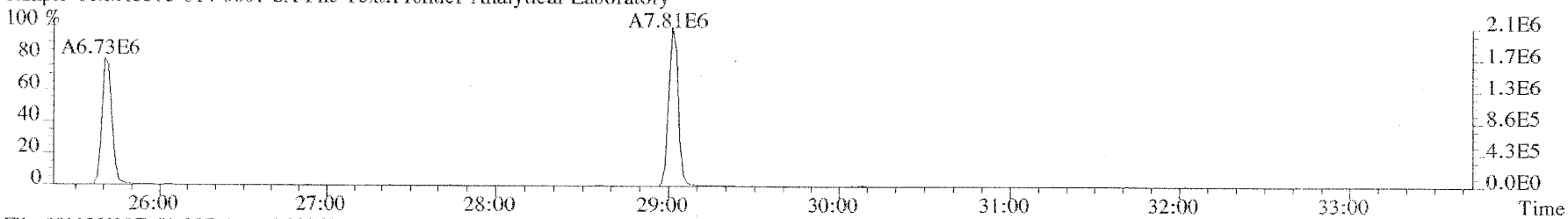
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



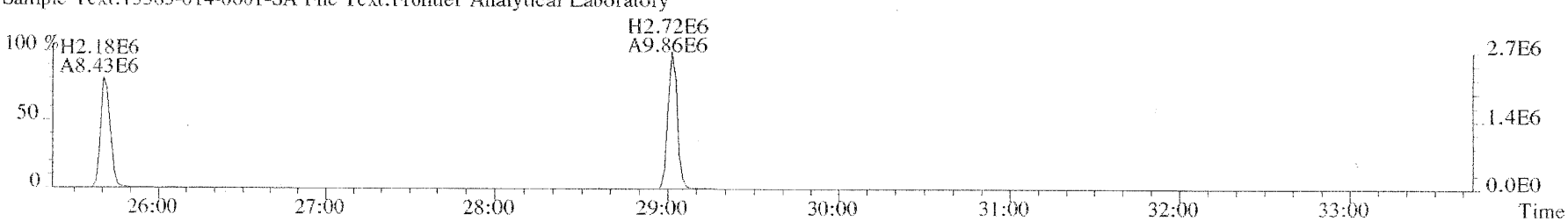
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



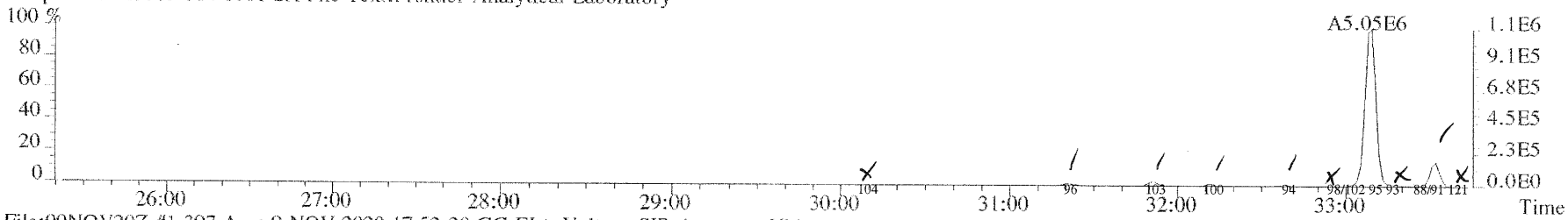
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



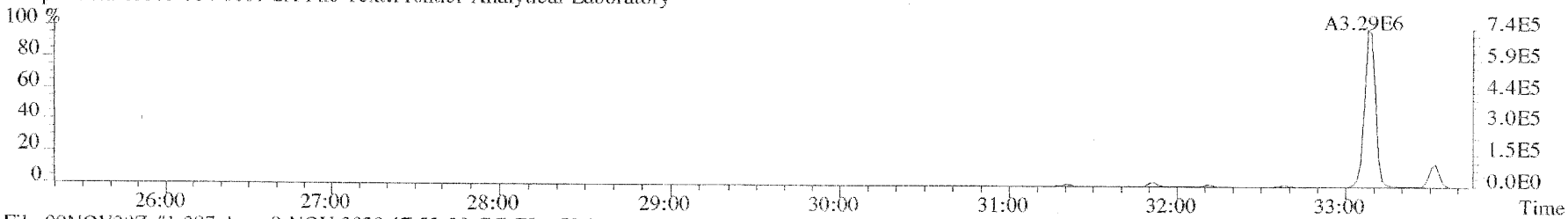
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



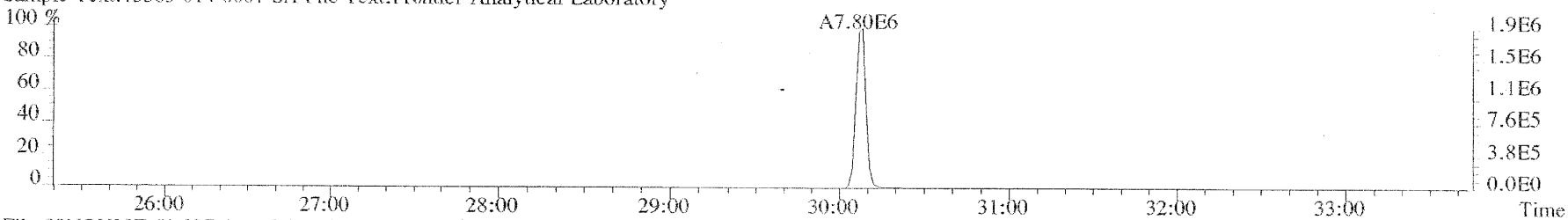
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



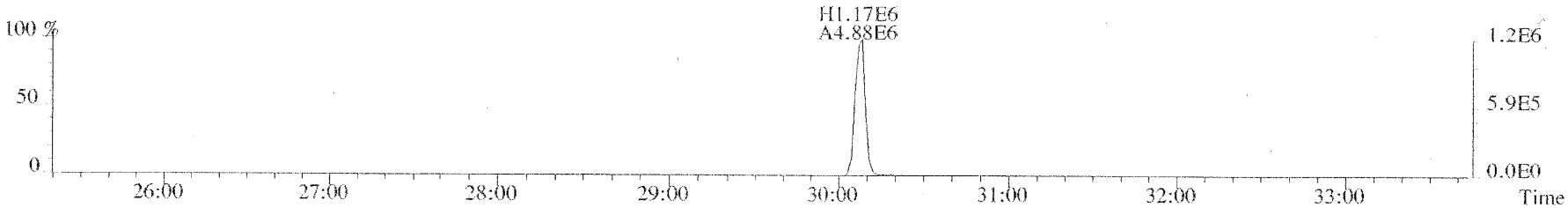
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



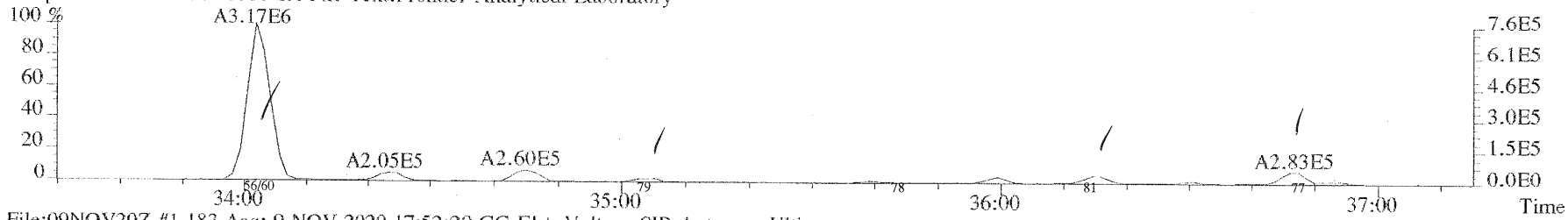
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



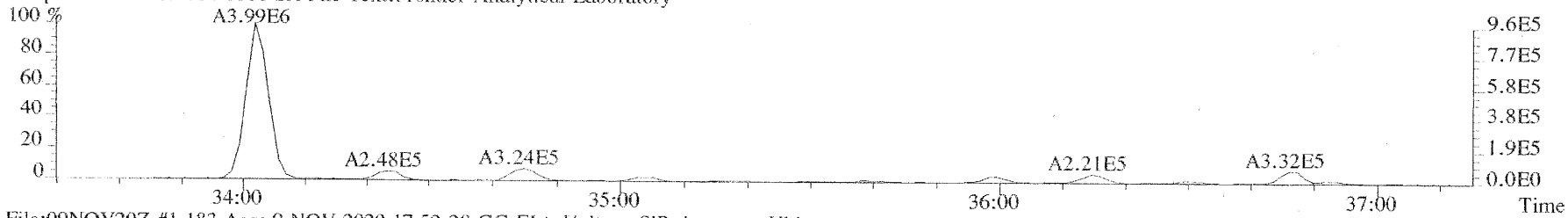
File:09NOV20Z #1-397 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



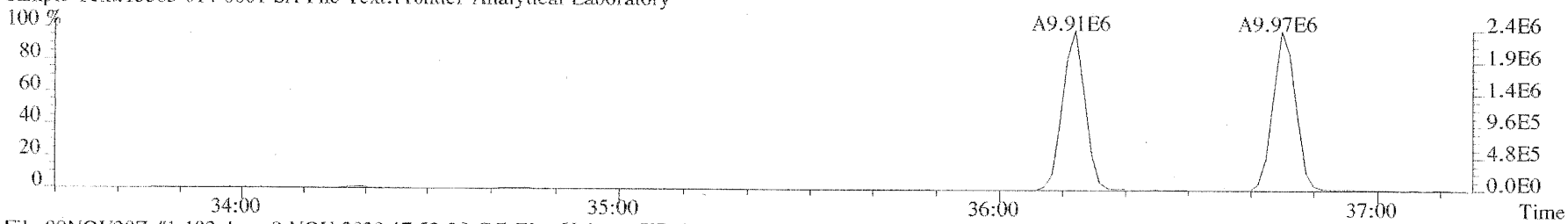
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



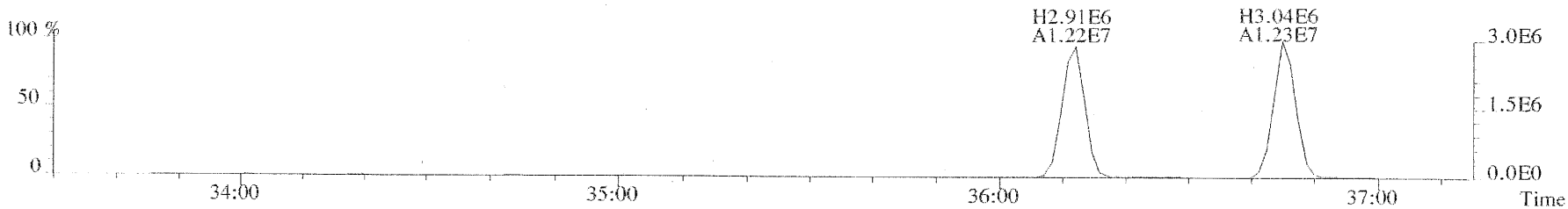
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



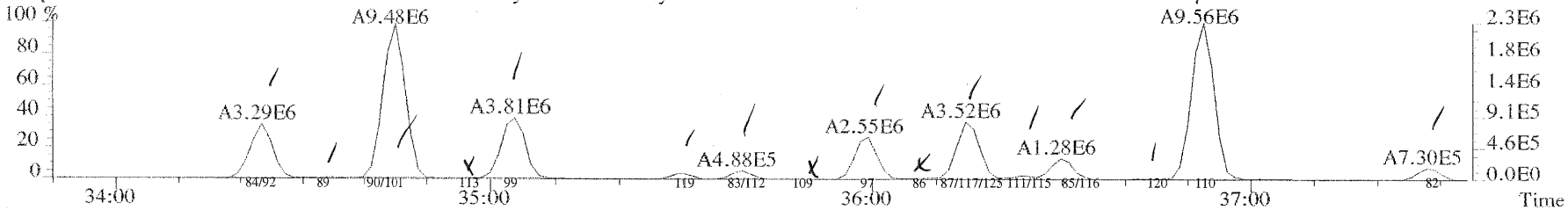
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



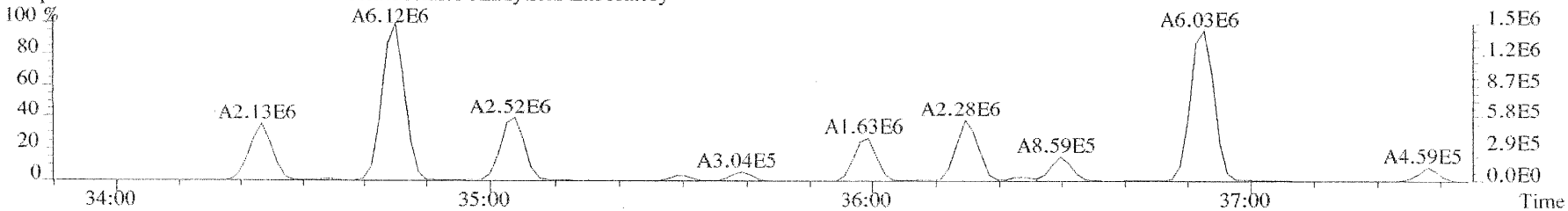
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



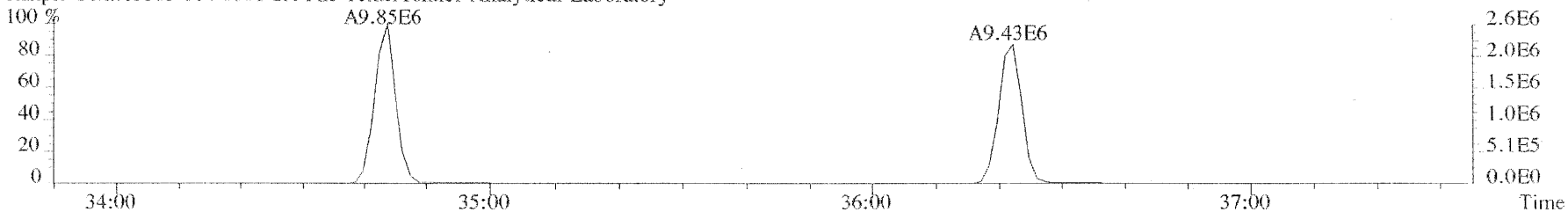
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



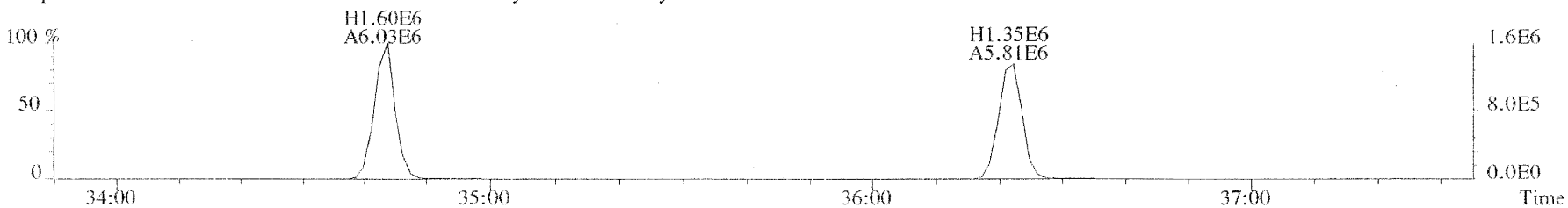
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



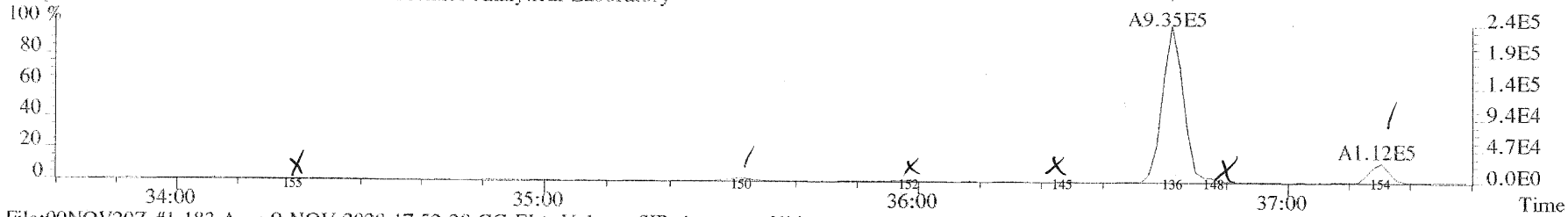
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



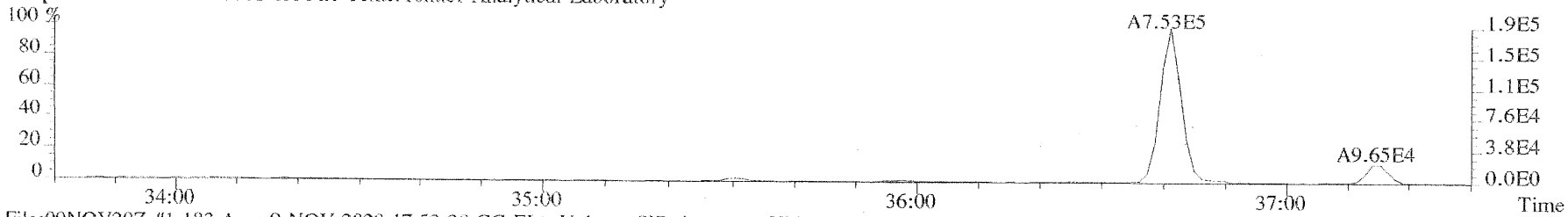
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



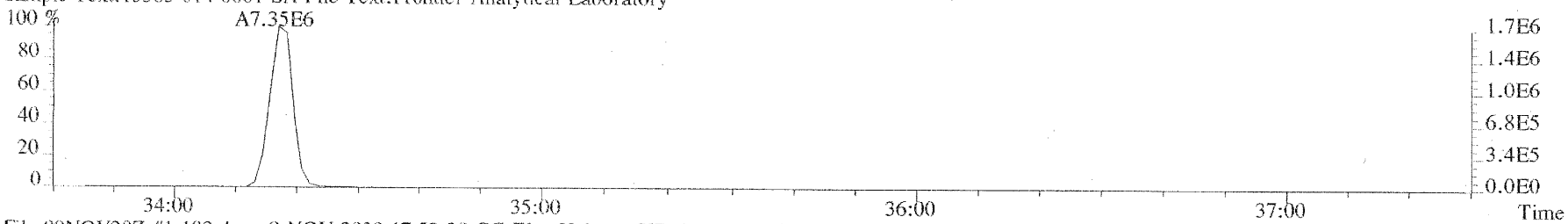
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



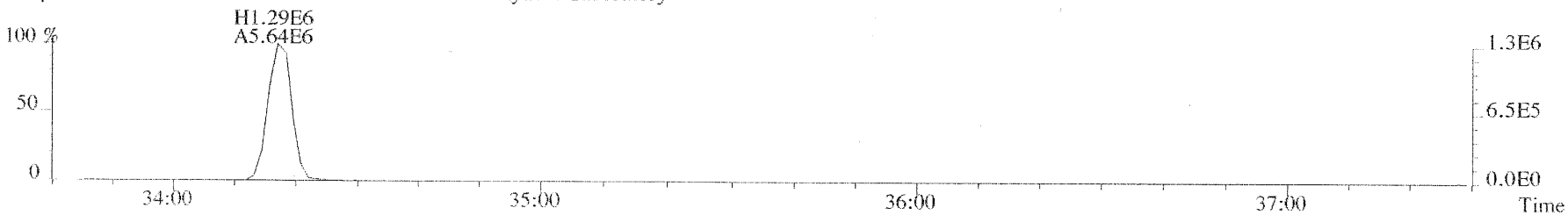
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



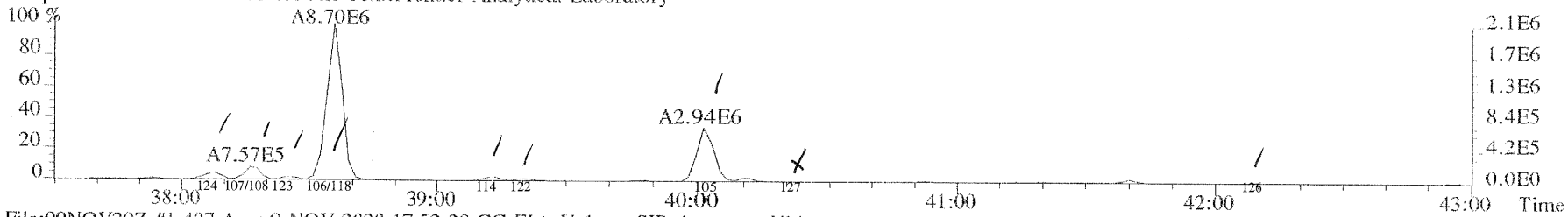
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



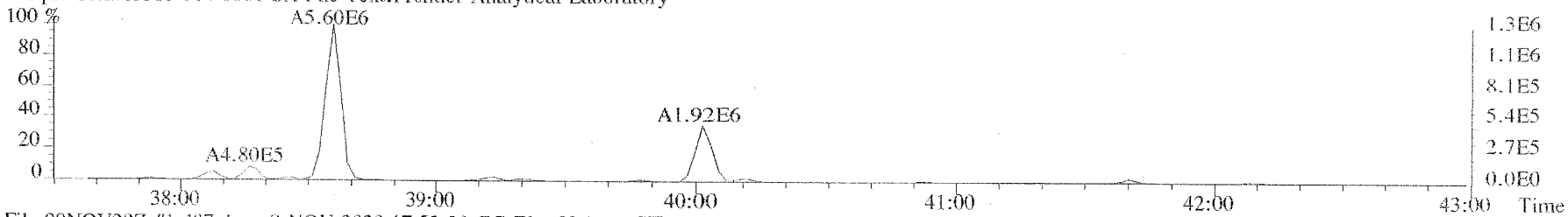
File:09NOV20Z #1-183 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



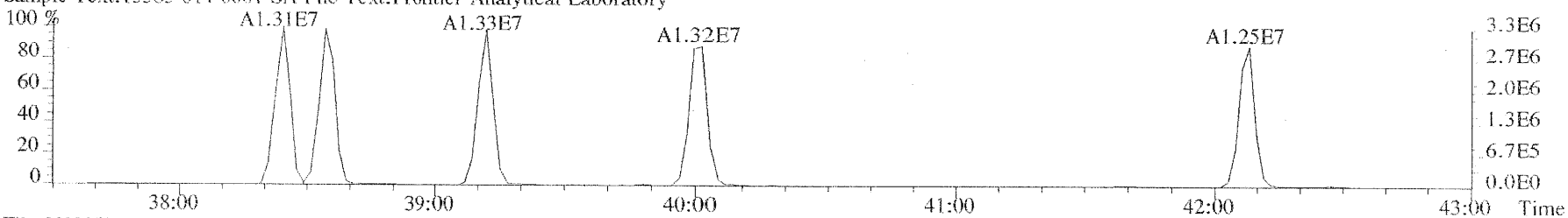
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



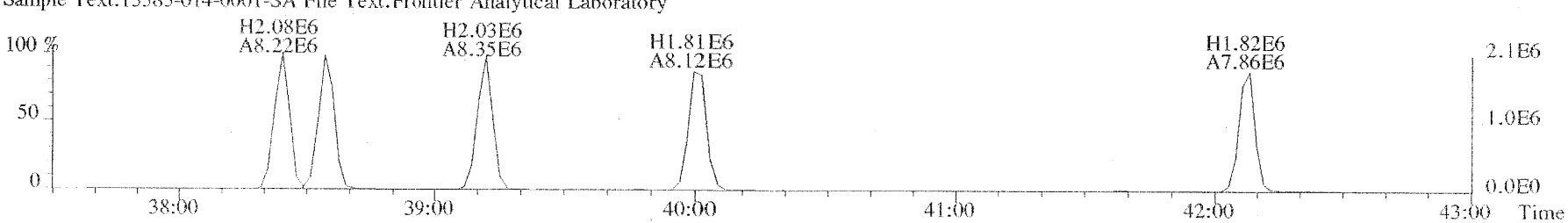
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



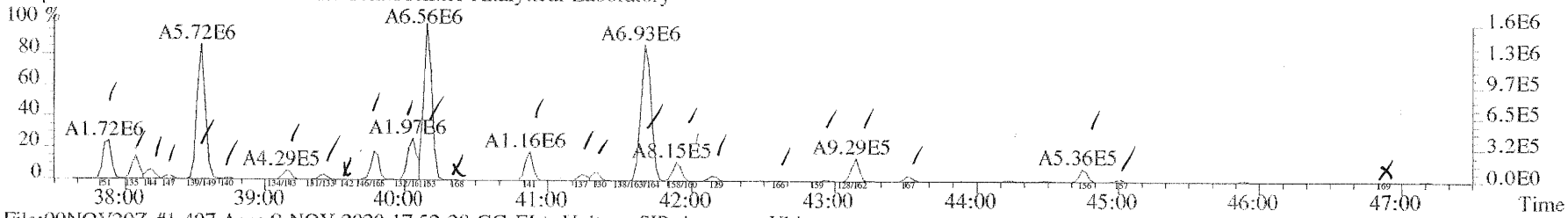
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



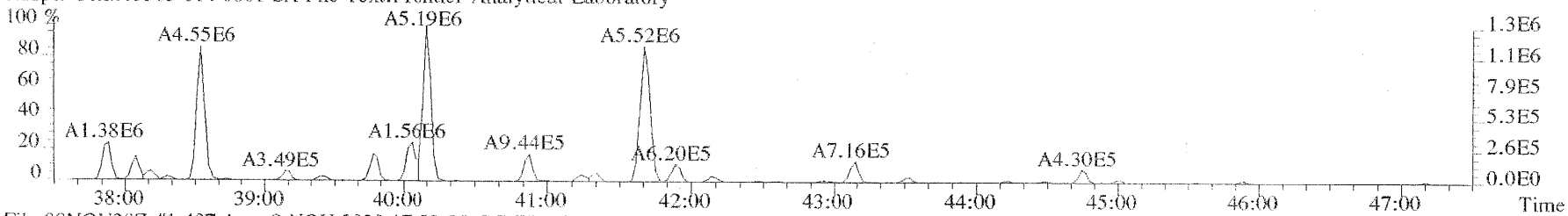
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



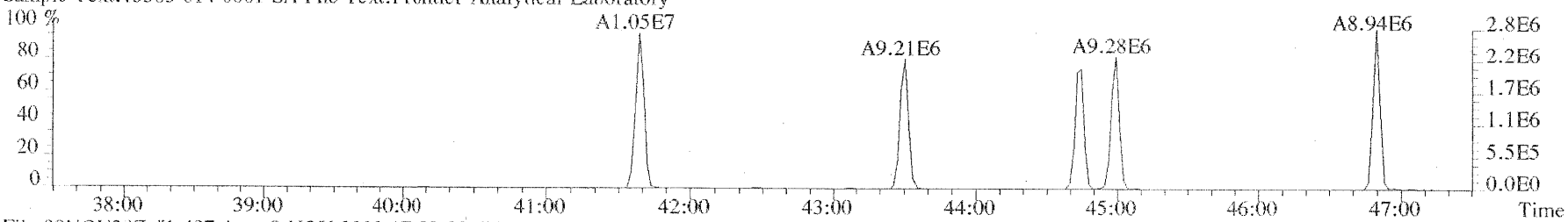
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



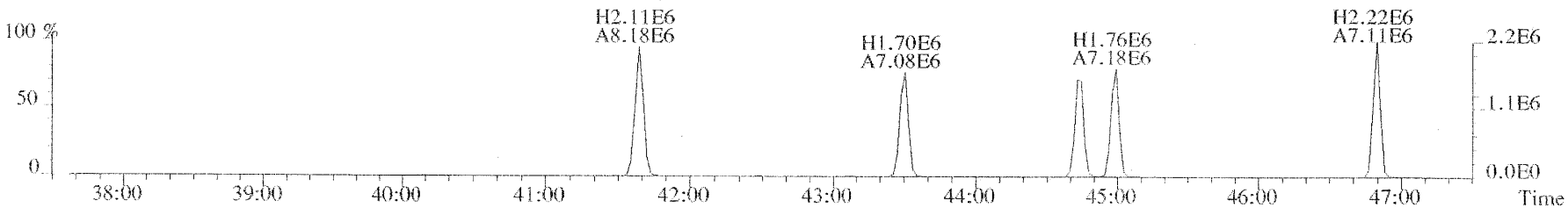
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



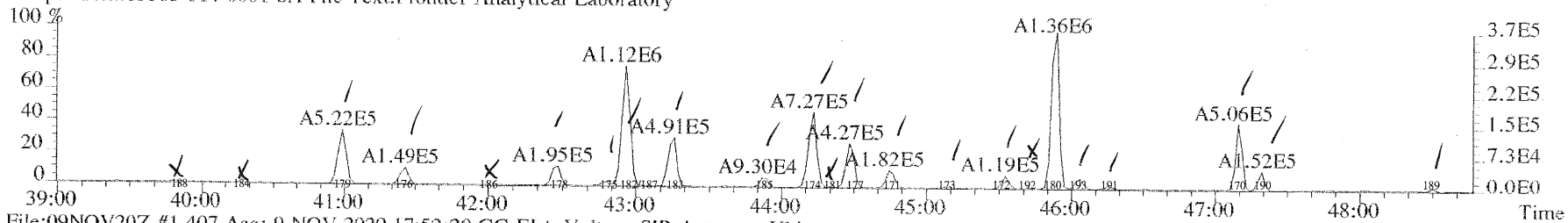
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



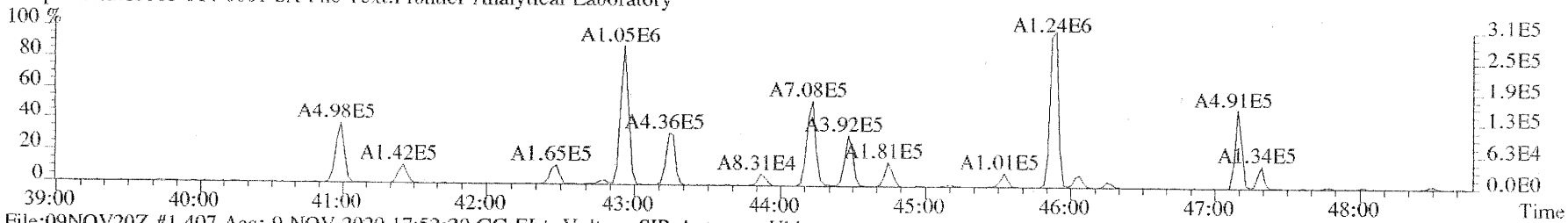
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:7 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



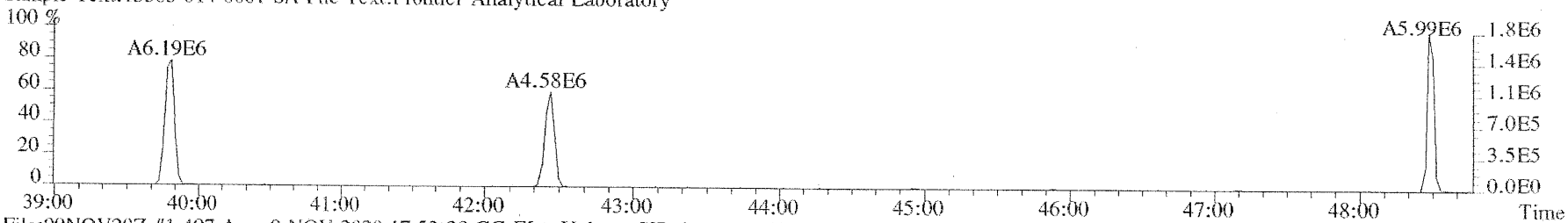
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



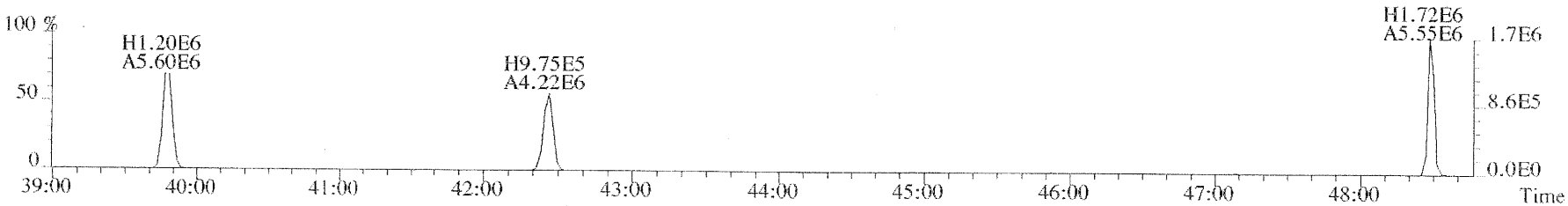
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



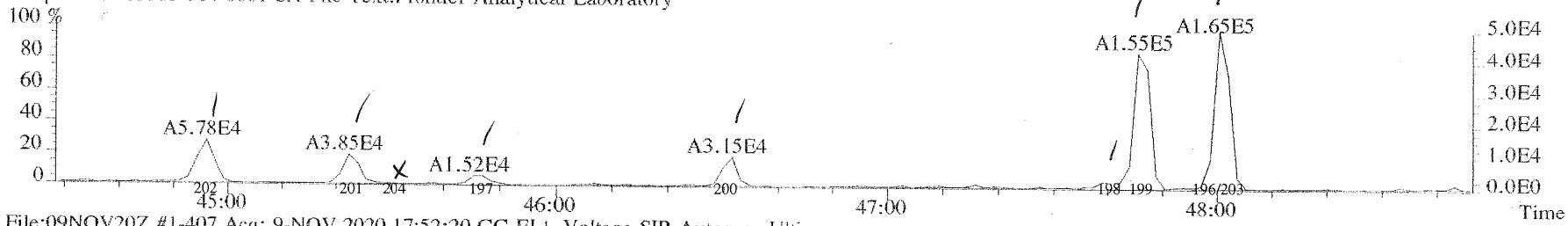
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



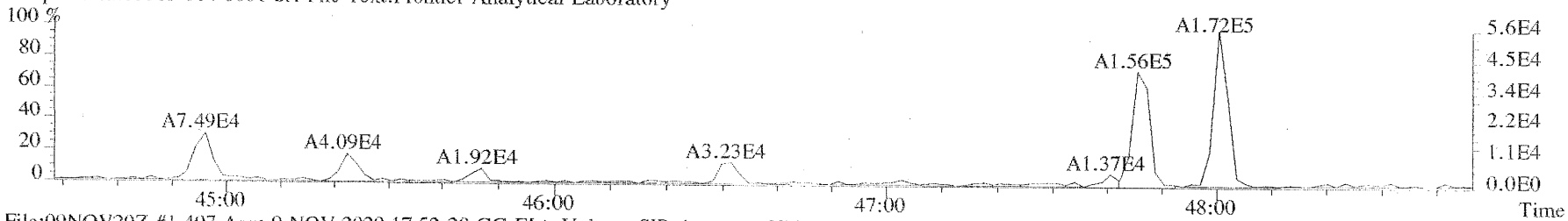
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



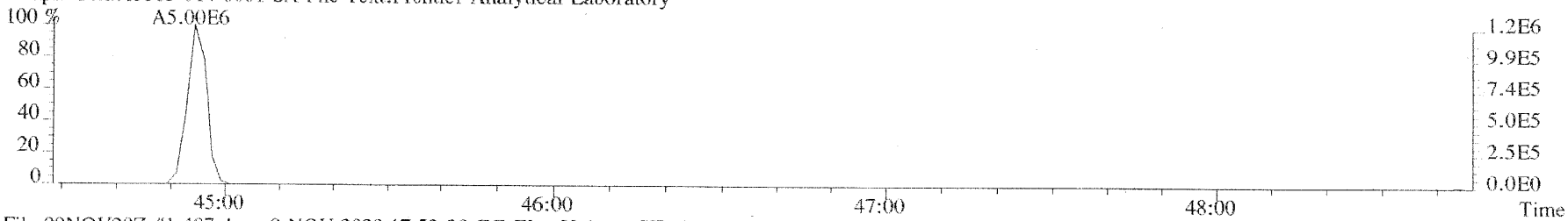
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



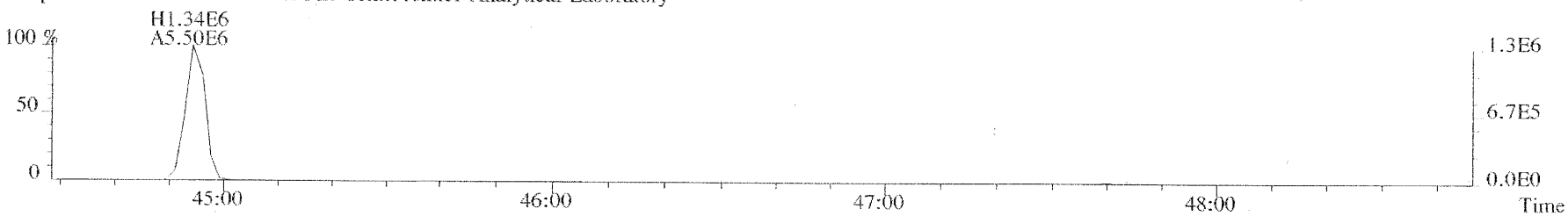
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



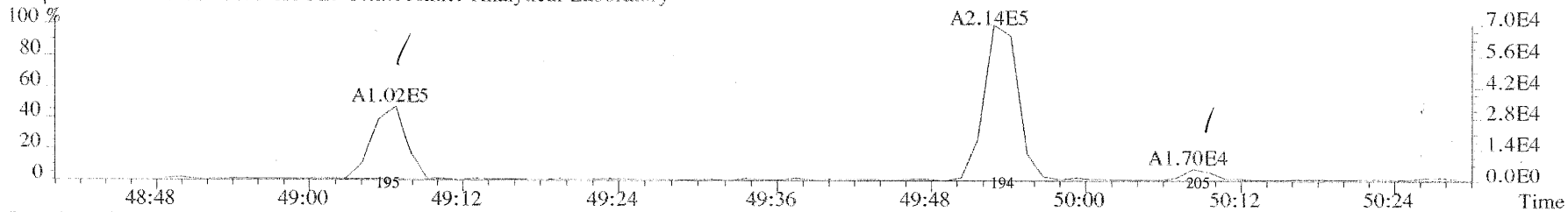
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



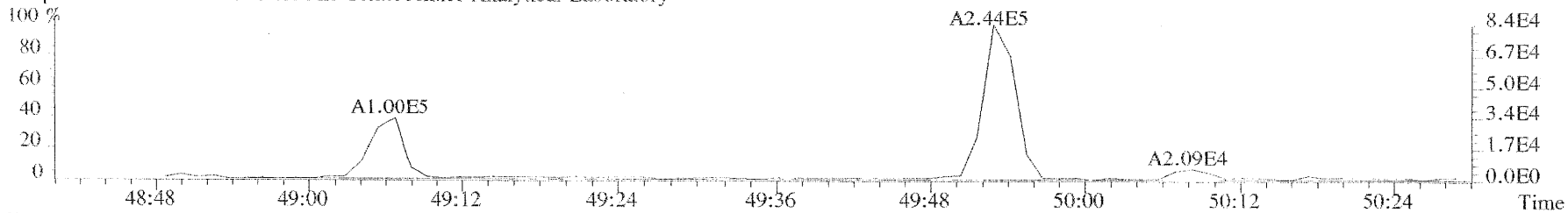
File:09NOV20Z #1-407 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



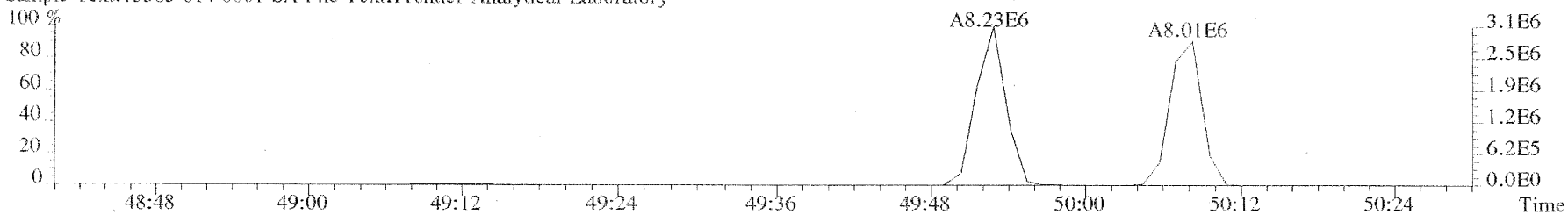
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



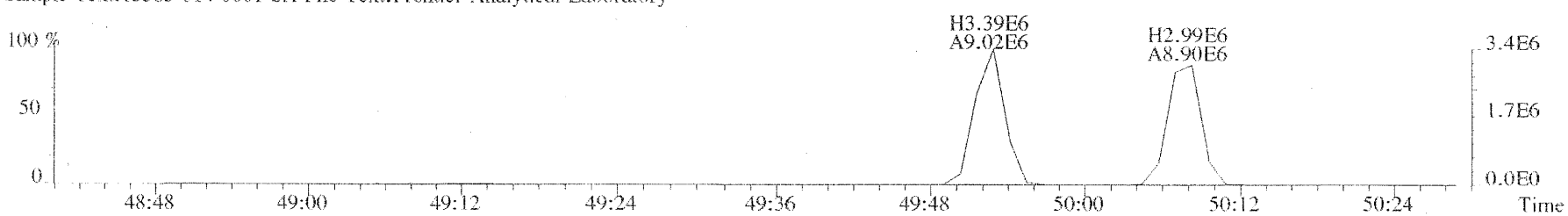
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



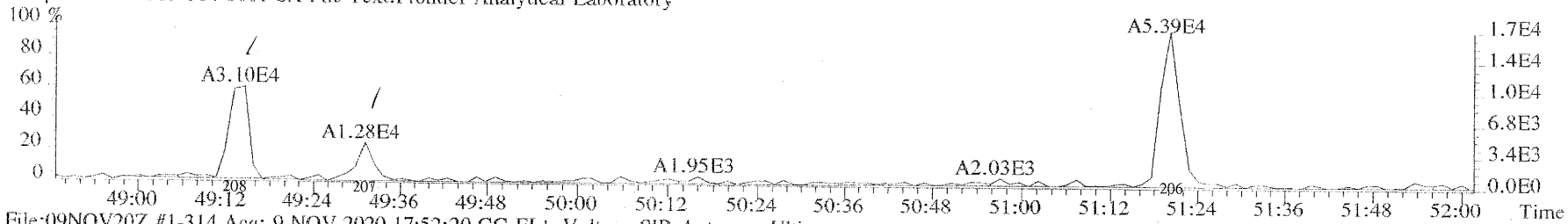
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



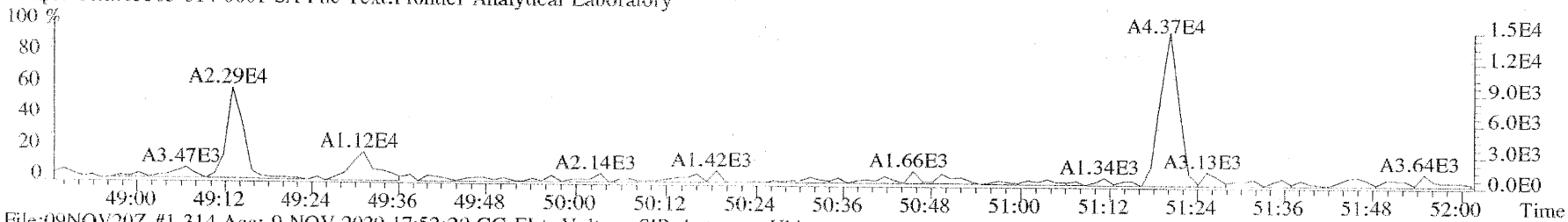
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:7 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



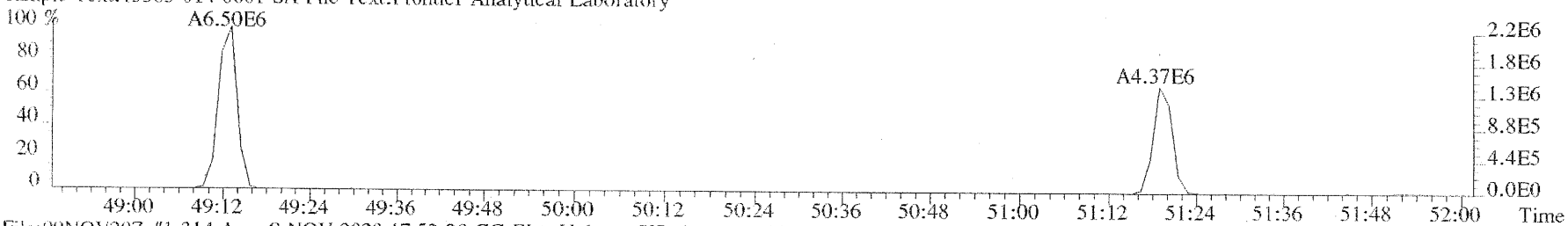
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



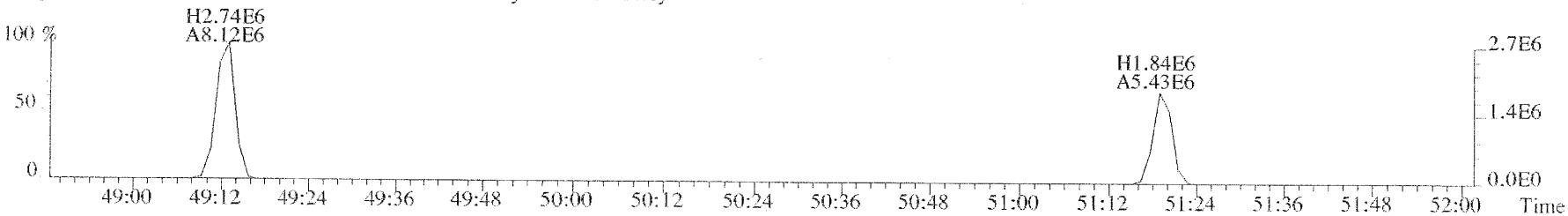
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



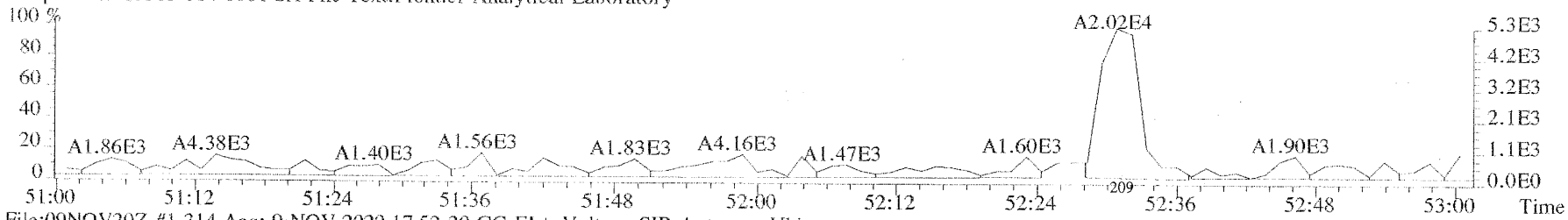
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



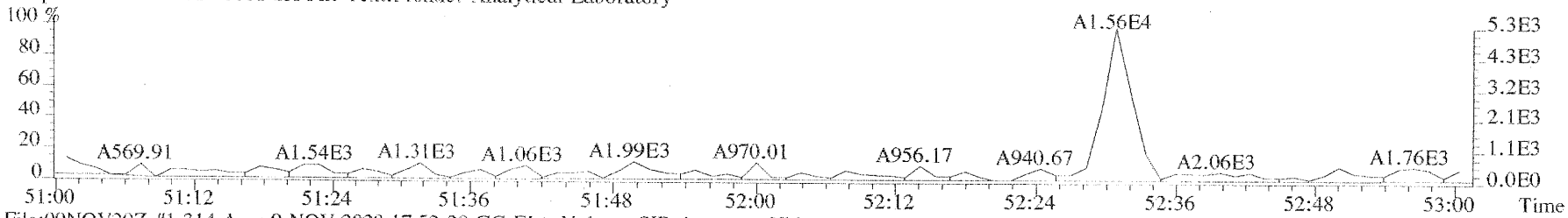
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



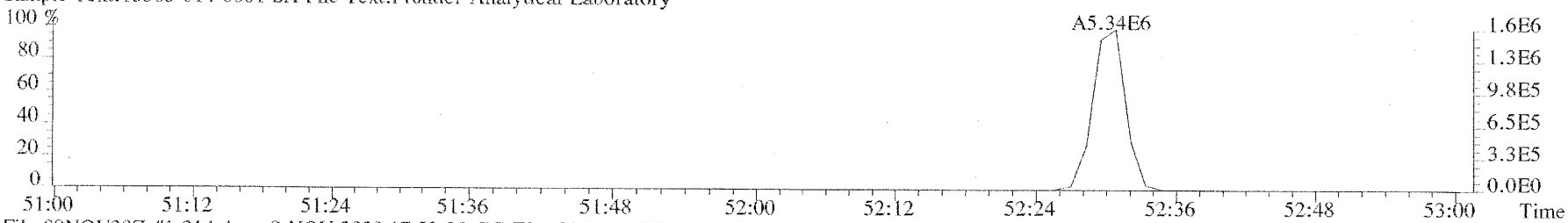
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



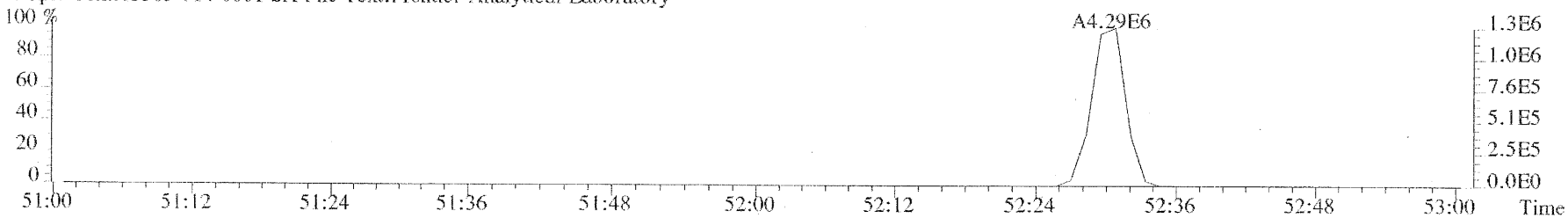
File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 17:52:20 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:7 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-014-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13383-018-0001-SA Filename: 09NOV20Z Sam:8 Acquired: 9-NOV-20 18:50:42 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-CLAM-BAS ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 10.19

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	'Rec	Height-1	Height-2
PCB-1	*	* n	NotFnd	1.29	*		790	350	0.880			
13C-PCB-1	7.91e+06	3.13 y	14:32	0.83	743					75.7	1.87e+06	5.93e+05
PCB-2	*	* n	NotFnd	1.28	*		790	350	0.893			
PCB-3	*	* n	NotFnd	1.26	*		790	350	0.914			
13C-PCB-3	7.89e+06	3.22 y	16:60	0.80	772					78.6	1.86e+06	5.71e+05
PCB-4	*	* n	NotFnd	1.09	*		423	1290	1.89			
PCB-10	*	* n	NotFnd	1.50	*		423	1290	1.08			
13C-PCB-4	6.96e+06	1.55 y	18:15	0.66	828					84.4	1.23e+06	7.96e+05
PCB-9	*	* n	NotFnd	1.41	*		423	1290	1.15			
PCB-7	*	* n	NotFnd	1.44	*		423	1290	1.13			
PCB-6	*	* n	NotFnd	1.38	*		423	1290	1.17			
PCB-8	*	* n	NotFnd	1.37	*		423	1290	1.18			
PCB-5	*	* n	NotFnd	1.43	*		423	1290	1.14			
PCB-14	*	* n	NotFnd	1.43	*		423	1290	1.13			
PCB-11	4.84e+05	1.47 y	23:09	1.34	39.6		-	-	*			
PCB-13	*	* n	NotFnd	1.32	*		423	1290	1.22			
PCB-12	*	* n	NotFnd	1.35	*		423	1290	1.20			
PCB-15	*	* n	NotFnd	1.20	*		423	1290	1.12			
13C-PCB-15	1.10e+07	1.61 y	23:47	0.99	870					88.6	1.97e+06	1.18e+06
PCB-19	*	* n	NotFnd	1.21	*		932	310	1.58			
PCB-30	*	* n	NotFnd	1.89	*		932	310	1.01			
PCB-18	2.46e+04	1.15 y	23:43	1.28	3.39		-	-	*			
PCB-17	*	* n	NotFnd	1.38	*		932	310	1.39			
PCB-27	*	* n	NotFnd	1.72	*		932	310	1.11			
PCB-24	*	* n	NotFnd	1.78	*		932	310	1.07			
PCB-16	*	* n	NotFnd	1.53	*		932	310	1.24			
PCB-32	*	* n	NotFnd	1.60	*		932	310	1.19			
13C-PCB-19	5.54e+06	1.15 y	22:10	0.46	943					96.1	8.64e+05	7.36e+05
13C-PCB-9	1.26e+07	1.64 y	19:56	-	2.03							
PCB-34	*	* n	NotFnd	1.26	*		1000	524	1.15			
PCB-23	*	* n	NotFnd	1.36	*		1000	524	1.06			
PCB-29	*	* n	NotFnd	1.33	*		1000	524	1.08			
PCB-26	2.56e+04	1.15 y	26:11	1.27	1.87	J	-	-	*			
PCB-25	*	* n	NotFnd	1.23	*		1000	524	1.17			
PCB-31	6.98e+04	1.09 y	26:41	1.19	5.44		-	-	*			
PCB-28	1.09e+05	1.18 y	26:47	1.57	6.47		-	-	*			
PCB-20	3.76e+04	1.16 y	27:23	1.26	2.78		-	-	*		Co-elute PCB 21/33	
PCB-21	3.76e+04	1.16 y	27:23	1.26	2.78		-	-	*		Co-elute PCB 20/33	
PCB-33	3.76e+04	1.16 y	27:23	1.26	2.78		-	-	*		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.36	*		1000	524	1.06			
PCB-36	*	* n	NotFnd	1.29	*		1000	524	1.12			
PCB-39	*	* n	NotFnd	1.31	*		1000	524	1.10			
PCB-38	*	* n	NotFnd	1.25	*		1000	524	1.15			
PCB-35	*	* n	NotFnd	1.20	*		1000	524	1.20			
PCB-37	*	* n	NotFnd	1.28	*		1000	524	1.13			
13C-PCB-37	1.05e+07	1.02 y	30:26	1.69	979					99.7	1.34e+06	1.26e+06

PCB-54	*	*	n	NotFnd	1.27	*	510	566	1.05			
PCB-50	*	*	n	NotFnd	0.97	*	510	566	1.37			
PCB-53	*	*	n	NotFnd	0.94	*	510	566	1.41			
PCB-51	*	*	n	NotFnd	0.94	*	510	566	1.42			
PCB-45	*	*	n	NotFnd	0.81	*	510	566	1.65			
PCB-46	*	*	n	NotFnd	0.77	*	510	566	1.74			
PCB-52	1.07e+05	0.78	y	29:04	1.04	14.2	-	-	*	Co-elute PCB 69		
PCB-69	1.07e+05	0.78	y	29:04	1.04	14.2	-	-	*	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.12	*	510	566	1.19			
PCB-43	6.93e+04	0.81	y	29:20	0.89	10.7	-	-	*	Co-elute PCB 49		
PCB-49	6.93e+04	0.81	y	29:20	0.89	10.7	-	-	*	Co-elute PCB 43		
PCB-47	6.29e+04	0.73	y	29:32	0.94	9.17	-	-	*			
PCB-48	2.27e+04	0.71	y	29:40	1.16	2.69	-	-	*	Co-elute PCB 75		
PCB-75	2.27e+04	0.71	y	29:40	1.16	2.69	-	-	*	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*	510	566	1.12			
PCB-62	*	*	n	NotFnd	1.12	*	510	566	1.19			
PCB-44	4.54e+04	0.78	y	30:17	0.75	8.30	-	-	*			
PCB-42	2.93e+04	0.70	y	30:31	1.04	3.88	-	-	*	Co-elute PCB 59		
PCB-59	2.93e+04	0.70	y	30:31	1.04	3.88	-	-	*	Co-elute PCB 42		
PCB-72	6.87e+04	0.87	y	31:04	1.15	8.21	-	-	*	Co-elute PCB 41/71/64		
PCB-41	6.87e+04	0.87	y	31:04	1.15	8.21	-	-	*	Co-elute PCB 72/71/64		
PCB-71	6.87e+04	0.87	y	31:04	1.15	8.21	-	-	*	Co-elute PCB 72/41/64		
PCB-64	6.87e+04	0.87	y	31:04	1.15	8.21	-	-	*	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.33	*	510	566	1.00			
PCB-40	*	*	n	NotFnd	0.72	*	510	566	1.85			
PCB-57	*	*	n	NotFnd	1.26	*	510	566	1.06			
PCB-67	*	*	n	NotFnd	1.24	*	510	566	1.07			
PCB-58	*	*	n	NotFnd	1.26	*	510	566	1.05			
PCB-63	*	*	n	NotFnd	1.25	*	510	566	1.07			
PCB-74	6.36e+04	0.75	y	32:41	1.25	7.00	-	-	*			
PCB-61	9.89e+04	0.71	y	32:53	1.14	11.9	-	-	*	Co-elute PCB 70		
PCB-70	9.89e+04	0.71	y	32:53	1.14	11.9	-	-	*	Co-elute PCB 61		
PCB-76	1.11e+05	0.88	y	33:04	1.33	11.4	-	-	*	Co-elute PCB 66		
PCB-66	1.11e+05	0.88	y	33:04	1.33	11.4	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*	510	566	0.875			
PCB-55	*	*	n	NotFnd	1.30	*	510	566	1.03			
13C-PCB-54	7.15e+06	0.80	y	25:41	1.29	868					88.4	8.82e+05	1.10e+06
PCB-104	*	*	n	NotFnd	1.16	*	320	321	1.05			
PCB-96	*	*	n	NotFnd	1.08	*	320	321	1.12			
PCB-103	*	*	n	NotFnd	0.91	*	320	321	1.33			
PCB-100	*	*	n	NotFnd	0.95	*	320	321	1.28			
PCB-94	*	*	n	NotFnd	0.78	*	320	321	1.56			
PCB-98	*	*	n	NotFnd	0.80	*	320	321	1.52	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*	320	321	1.52	Co-elute PCB 98		
PCB-95	7.27e+04	1.41	y	33:09	0.89	16.5	-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*	320	321	1.41			
PCB-88	1.93e+04	1.59	y	33:32	0.91	4.27	-	-	*	Co-elute PCB 91		
PCB-91	1.93e+04	1.59	y	33:32	0.91	4.27	-	-	*	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*	320	321	1.12			
13C-PCB-104	4.86e+06	1.59	y	30:08	1.07	717					73.0	8.01e+05	4.95e+05
13C-PCB-28	1.06e+07	1.04	y	26:46	2.08	801					81.6	1.40e+06	1.38e+06
13C-PCB-52	6.25e+06	0.81	y	29:02	-	1.97							

PCB-56	7.39e+04	0.73	y	34:03	1.20	6.97		-	-	*			Co-elute PCB 60
PCB-60	7.39e+04	0.73	y	34:03	1.20	6.97		-	-	*			Co-elute PCB 56
PCB-79	*	*	n	NotFnd	1.23	*		600	840	1.25			
PCB-78	*	*	n	NotFnd	1.25	*		600	840	1.24			
PCB-81	*	*	n	NotFnd	1.31	*		600	840	1.22			
13C-PCB-81	8.29e+06	0.80	y	36:12	1.53	1220					124	9.83e+05	1.24e+06
PCB-77	2.59e+04	0.70	y	36:47	1.13	2.48		-	-	*			
13C-PCB-77	9.10e+06	0.83	y	36:46	1.64	1250					128	1.07e+06	1.29e+06
PCB-155	*	*	n	NotFnd	1.12	*		570	365	1.32			
PCB-150	*	*	n	NotFnd	1.04	*		570	365	1.42			
PCB-152	*	*	n	NotFnd	1.03	*		570	365	1.44			
PCB-145	*	*	n	NotFnd	1.07	*		570	365	1.38			
PCB-136	2.58e+04	1.33	y	36:41	1.01	5.00		-	-	*			
PCB-148	*	*	n	NotFnd	0.83	*		570	365	1.80			
PCB-154	1.38e+04	1.28	y	37:15	0.90	2.99		-	-	*			
13C-PCB-155	5.03e+06	1.34	y	34:18	1.21	939					95.7	8.86e+05	6.62e+05
13C-PCB-111	4.98e+06	1.67	y	36:22	1.31	855					87.1	7.22e+05	4.25e+05
13C-PCB-101	4.35e+06	1.64	y	34:44	-	1.35							
PCB-84	7.44e+04	1.66	y	34:23	0.73	11.5		-	-	*			Co-elute PCB 92
PCB-92	7.44e+04	1.66	y	34:23	0.73	11.5		-	-	*			Co-elute PCB 84
PCB-89	*	*	n	NotFnd	0.73	*		504	556	1.60			
PCB-90	1.34e+05	1.46	y	34:45	0.82	18.4		-	-	*			Co-elute PCB 101
PCB-101	1.34e+05	1.46	y	34:45	0.82	18.4		-	-	*			Co-elute PCB 90
PCB-113	*	*	n	NotFnd	0.90	*		504	556	1.29			
PCB-99	1.13e+05	1.58	y	35:04	0.92	13.9		-	-	*			
PCB-119	1.60e+04	1.45	y	35:30	1.00	1.81	J	-	-	*			
PCB-83	2.10e+04	1.55	y	35:39	0.83	2.87		-	-	*			Co-elute PCB 112
PCB-112	2.10e+04	1.55	y	35:39	0.83	2.87		-	-	*			Co-elute PCB 83
PCB-109	*	*	n	NotFnd	0.98	*		504	556	1.19			
PCB-97	4.47e+04	1.53	y	35:59	0.71	7.15		-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*		504	556	1.66			
PCB-125	4.26e+04	1.36	y	36:16	0.93	5.20		-	-	*			Co-elute PCB 87/117
PCB-87	4.26e+04	1.36	y	36:16	0.93	5.20		-	-	*			Co-elute PCB 125/117
PCB-117	4.26e+04	1.36	y	36:16	0.93	5.20		-	-	*			Co-elute PCB 125/87
PCB-111	*	*	n	NotFnd	1.08	*		504	556	1.08			Co-elute PCB 115
PCB-115	*	*	n	NotFnd	1.08	*		504	556	1.08			Co-elute PCB 111
PCB-85	3.18e+04	1.58	y	36:31	0.88	4.08		-	-	*			Co-elute PCB 116
PCB-116	3.18e+04	1.58	y	36:31	0.88	4.08		-	-	*			Co-elute PCB 85
PCB-120	*	*	n	NotFnd	1.09	*		504	556	1.07			
PCB-110	1.42e+05	1.32	y	36:52	1.05	15.3		-	-	*			
PCB-82	1.89e+04	1.50	y	37:29	0.63	3.42		-	-	*			
PCB-124	*	*	n	NotFnd	1.09	*		796	840	1.65			
PCB-108	4.81e+04	1.33	y	38:16	1.24	4.38		-	-	*			Co-elute PCB 107
PCB-107	4.81e+04	1.33	y	38:16	1.24	4.38		-	-	*			Co-elute PCB 108
PCB-123	*	*	n	NotFnd	1.07	*		796	840	1.67			
13C-PCB-123	8.40e+06	1.54	y	38:24	1.29	934					95.2	1.38e+06	8.81e+05
PCB-118	2.35e+05	1.54	y	38:36	1.13	22.5		-	-	*			Co-elute PCB 106
PCB-106	2.35e+05	1.54	y	38:36	1.13	22.5		-	-	*			Co-elute PCB 118
13C-PCB-118	9.06e+06	1.54	y	38:34	1.41	922					93.9	1.32e+06	8.44e+05
PCB-114	*	*	n	NotFnd	1.20	*		796	840	1.42			
13C-PCB-114	8.65e+06	1.57	y	39:12	1.34	930					94.8	1.45e+06	9.11e+05
PCB-122	*	*	n	NotFnd	1.15	*		796	840	1.57			
PCB-105	8.88e+04	1.46	y	40:01	1.23	8.21		-	-	*			
13C-PCB-105	8.60e+06	1.54	y	40:01	1.33	932					95.0	1.33e+06	8.38e+05

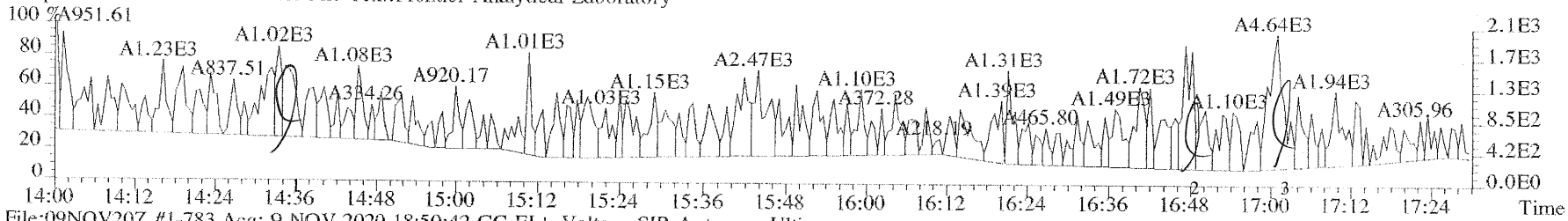
PCB-127	*	*	n	NotFnd	1.12	*		796	840	1.60			
PCB-126	*	*	n	NotFnd	1.20	*		796	840	1.62			
13C-PCB-126	8.23e+06	1.59	y	42:08	1.20	984					100	1.28e+06	7.95e+05
PCB-151	6.65e+04	1.36	y	37:53	1.02	10.1		-	-	*			
PCB-135	4.98e+04	1.07	y	38:06	1.08	7.22		-	-	*			
PCB-144	*	*	n	NotFnd	1.08	*		423	410	1.11			
PCB-147	*	*	n	NotFnd	1.13	*		423	410	1.06			
PCB-139	1.48e+05	1.30	y	38:32	1.15	20.0		-	-	*		Co-elute PCB 149	
PCB-149	1.48e+05	1.30	y	38:32	1.15	20.0		-	-	*		Co-elute PCB 139	
PCB-140	*	*	n	NotFnd	1.15	*		423	410	1.04			
PCB-143	3.96e+04	1.33	y	39:10	0.93	6.67		-	-	*		Co-elute PCB 134	
PCB-134	3.96e+04	1.33	y	39:10	0.93	6.67		-	-	*		Co-elute PCB 143	
PCB-131	2.99e+04	1.18	y	39:25	0.97	4.83		-	-	*		Co-elute PCB 133	
PCB-133	2.99e+04	1.18	y	39:25	0.97	4.83		-	-	*		Co-elute PCB 131	
PCB-142	*	*	n	NotFnd	0.96	*		423	410	1.25			
PCB-165	1.37e+05	1.34	y	39:46	1.25	17.1		-	-	*		Co-elute PCB 146	
PCB-146	1.37e+05	1.34	y	39:46	1.25	17.1		-	-	*		Co-elute PCB 165	
PCB-161	5.53e+04	1.17	y	40:03	1.22	7.05		-	-	*		Co-elute PCB 132	
PCB-132	5.53e+04	1.17	y	40:03	1.22	7.05		-	-	*		Co-elute PCB 161	
PCB-153	3.37e+05	1.21	y	40:10	1.21	43.4		-	-	*			
PCB-168	*	*	n	NotFnd	1.39	*		423	410	0.865			
PCB-141	*	*	n	NotFnd	1.04	*		423	410	1.16			
PCB-137	2.08e+04	1.25	y	41:12	1.13	2.88		-	-	*			
PCB-130	3.26e+04	1.27	y	41:20	0.88	5.80		-	-	*			
PCB-138	2.69e+05	1.43	y	41:42	1.26	33.2		-	-	*		Co-elute PCB 163/164	
PCB-163	2.69e+05	1.43	y	41:42	1.26	33.2		-	-	*		Co-elute PCB 138/164	
PCB-164	2.69e+05	1.43	y	41:42	1.26	33.2		-	-	*		Co-elute PCB 138/163	
PCB-158	2.65e+04	1.38	y	41:55	1.38	2.99		-	-	*		Co-elute PCB 160	
PCB-160	2.65e+04	1.38	y	41:55	1.38	2.99		-	-	*		Co-elute PCB 158	
PCB-129	*	*	n	NotFnd	0.91	*		423	410	1.31			
PCB-166	*	*	n	NotFnd	1.33	*		423	410	0.901			
PCB-159	1.28e+04	1.15	y	42:56	1.38	1.45	J	-	-	*			
PCB-128	5.62e+04	1.41	y	43:09	1.17	7.52		-	-	*		Co-elute PCB 162	
PCB-162	5.62e+04	1.41	y	43:09	1.17	7.52		-	-	*		Co-elute PCB 128	
PCB-167	2.34e+04	1.33	y	43:32	1.21	2.94		-	-	*			
13C-PCB-167	6.46e+06	1.27	y	43:30	1.09	852					86.9	9.91e+05	7.66e+05
PCB-156	1.97e+04	1.28	y	44:46	1.29	2.39		-	-	*			
13C-PCB-156	6.27e+06	1.30	y	44:44	1.03	880					89.7	8.34e+05	6.24e+05
PCB-157	*	*	n	NotFnd	1.24	*		423	410	0.941			
13C-PCB-157	6.41e+06	1.28	y	44:59	1.09	846					86.2	9.74e+05	7.76e+05
PCB-169	*	*	n	NotFnd	1.17	*		423	410	0.901			
13C-PCB-169	6.02e+06	1.29	y	46:50	0.94	918					93.6	1.08e+06	8.55e+05

FAL ID: 13383-018-0001-SA Filename: 09NOV20Z Sam:8 Acquired: 9-NOV-20 18:50:42 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-CLAM-BAS ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 10.19

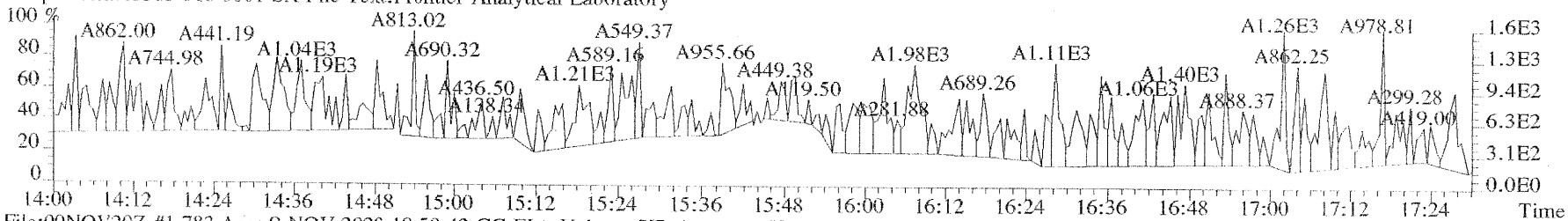
PCB-188	*	*	n	NotFnd	1.10	*	406	401	1.23			
13C-PCB-188	5.48e+06	1.11	y	39:48	1.06	745				76.0	7.78e+05	6.91e+05
PCB-184	*	*	n	NotFnd	1.31	*	406	401	1.06			
PCB-179	3.80e+04	0.95	y	40:59	1.21	6.14	-	-	*			
PCB-176	*	*	n	NotFnd	1.18	*	406	401	1.18			
PCB-186	*	*	n	NotFnd	1.22	*	406	401	1.15			
PCB-178	4.87e+04	1.15	y	42:28	0.85	11.2	-	-	*			
PCB-175	*	*	n	NotFnd	0.88	*	406	401	1.59			
PCB-187	1.29e+05	1.02	y	42:56	0.92	27.2	-	-	*		Co-elute PCB 182	
PCB-182	1.29e+05	1.02	y	42:56	0.92	27.2	-	-	*		Co-elute PCB 187	
PCB-183	3.75e+04	1.13	y	43:16	0.95	7.74	-	-	*			
PCB-185	*	*	n	NotFnd	0.85	*	406	401	1.63			
PCB-174	*	*	n	NotFnd	0.82	*	406	401	1.70			
PCB-181	*	*	n	NotFnd	0.90	*	406	401	1.55			
PCB-177	4.08e+04	1.18	y	44:26	0.79	10.2	-	-	*			
PCB-171	*	*	n	NotFnd	0.82	*	406	401	1.69			
PCB-173	*	*	n	NotFnd	0.77	*	406	401	1.80			
PCB-172	*	*	n	NotFnd	0.77	*	406	401	1.80			
PCB-192	*	*	n	NotFnd	1.01	*	406	401	1.38			
PCB-180	5.06e+04	0.93	y	45:52	0.83	11.9	-	-	*			
PCB-193	*	*	n	NotFnd	1.07	*	406	401	1.31			
PCB-191	*	*	n	NotFnd	1.04	*	406	401	1.34			
PCB-170	*	*	n	NotFnd	0.74	*	406	401	1.89			
PCB-190	*	*	n	NotFnd	0.97	*	406	401	1.44			
PCB-189	*	*	n	NotFnd	1.08	*	406	401	1.34			
13C-PCB-189	4.56e+06	1.08	y	48:28	0.81	809				82.5	6.94e+05	6.71e+05
PCB-202	4.45e+04	0.95	y	44:56	1.07	10.5	-	-	*			
PCB-201	1.37e+04	0.86	y	45:22	1.14	3.04	-	-	*			
PCB-204	*	*	n	NotFnd	1.14	*	279	285	1.31			
PCB-197	*	*	n	NotFnd	1.15	*	279	285	1.30			
PCB-200	*	*	n	NotFnd	1.10	*	279	285	1.35			
PCB-198	*	*	n	NotFnd	0.77	*	279	285	1.94			
PCB-199	2.37e+04	0.78	y	47:45	0.80	7.49	-	-	*			
PCB-203	1.21e+04	0.91	y	48:00	0.87	3.50	-	-	*		Co-elute PCB 196	
PCB-196	1.21e+04	0.91	y	48:00	0.87	3.50	-	-	*		Co-elute PCB 203	
13C-PCB-202	3.88e+06	0.90	y	44:54	0.80	698				71.1	4.38e+05	4.90e+05
13C-PCB-178	3.16e+06	1.13	y	42:26	0.75	606				61.8	4.05e+05	3.57e+05
13C-PCB-138	6.82e+06	1.25	y	41:38	-	1.95						
PCB-195	*	*	n	NotFnd	1.00	*	777	800	1.89			
PCB-194	*	*	n	NotFnd	1.05	*	777	800	1.79			
PCB-205	*	*	n	NotFnd	1.20	*	777	800	1.57			
13C-PCB-205	6.18e+06	0.89	y	50:07	1.12	891				90.8	9.41e+05	1.12e+06
PCB-208	*	*	n	NotFnd	1.08	*	404	752	1.31			
13C-PCB-208	6.15e+06	0.81	y	49:13	1.19	835				85.1	8.79e+05	1.12e+06
PCB-207	*	*	n	NotFnd	1.31	*	404	752	1.22			
PCB-206	*	*	n	NotFnd	1.13	*	404	752	1.66			
13C-PCB-206	4.08e+06	0.81	y	51:19	0.80	820				83.5	6.85e+05	8.35e+05
PCB-209	*	*	n	NotFnd	1.20	*	620	348	1.35			
13C-PCB-209	4.25e+06	1.18	y	52:30	0.88	781				79.6	7.89e+05	6.76e+05
13C-PCB-194	6.07e+06	0.90	y	49:53	-	1.99						

Analyst: [illegible] Date: 11/10/20

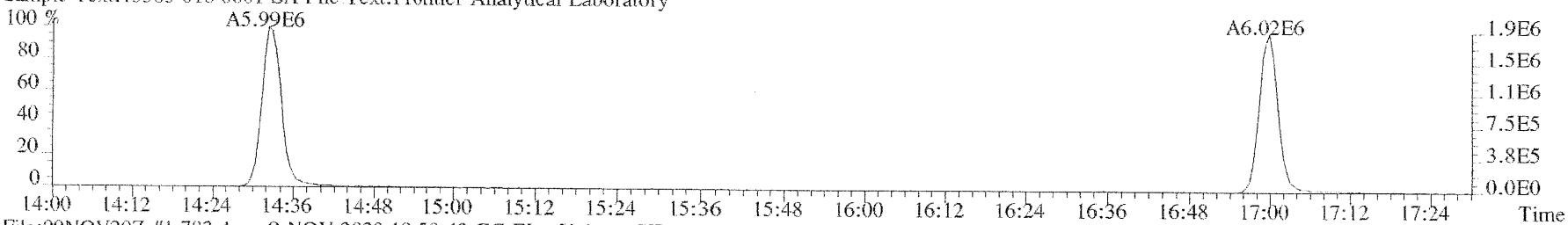
File:09NOV20Z #1-783 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



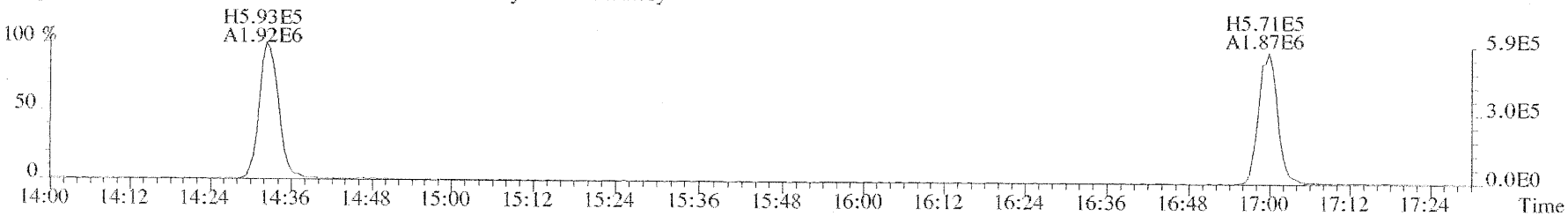
File:09NOV20Z #1-783 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



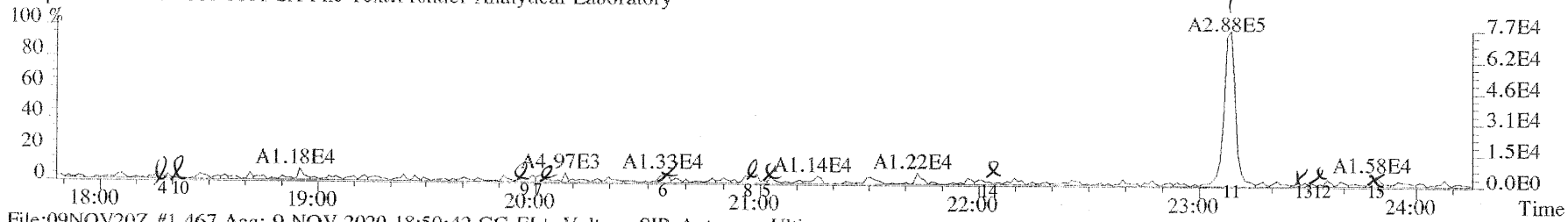
File:09NOV20Z #1-783 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



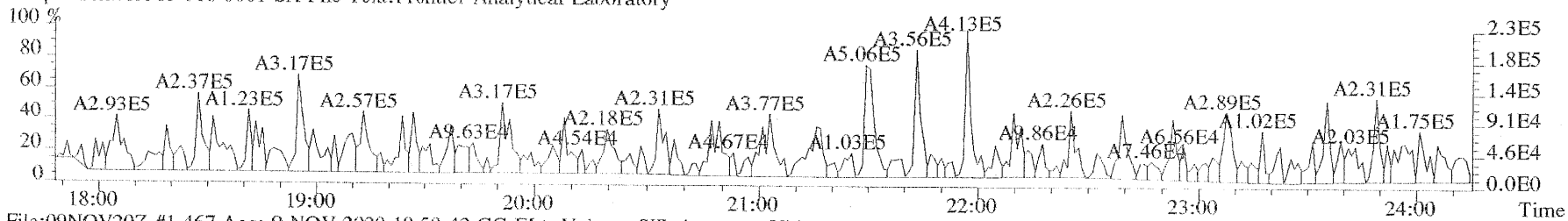
File:09NOV20Z #1-783 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:8 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



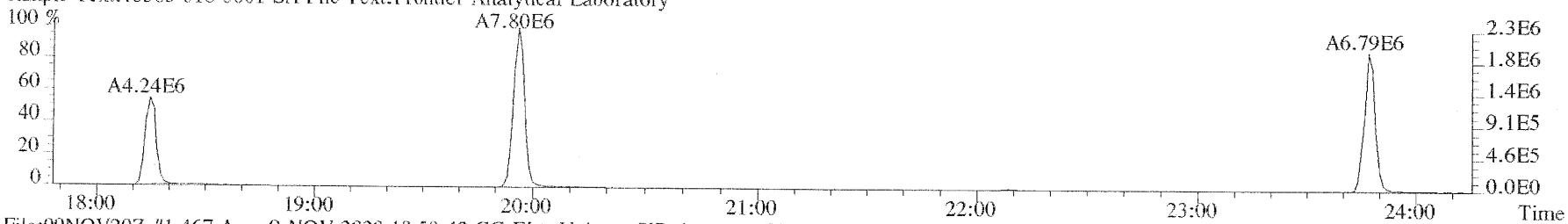
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



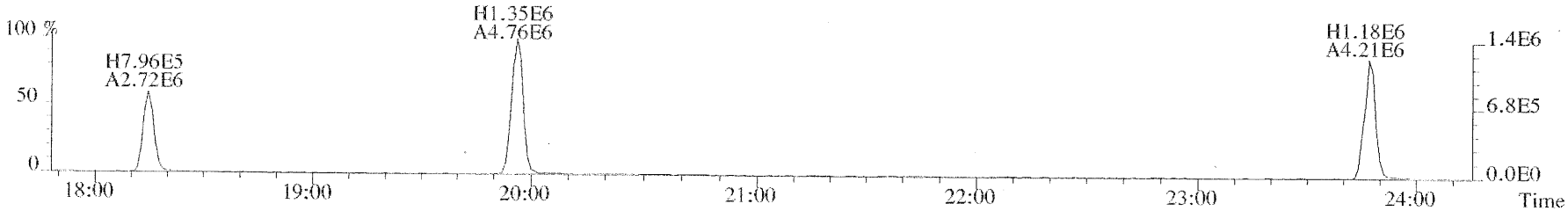
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



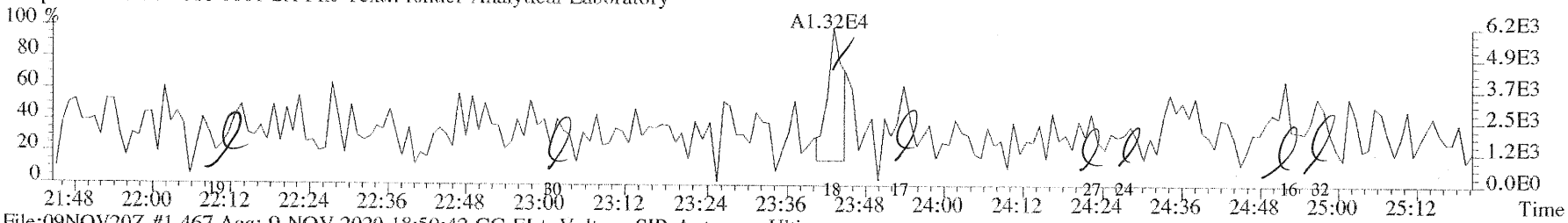
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



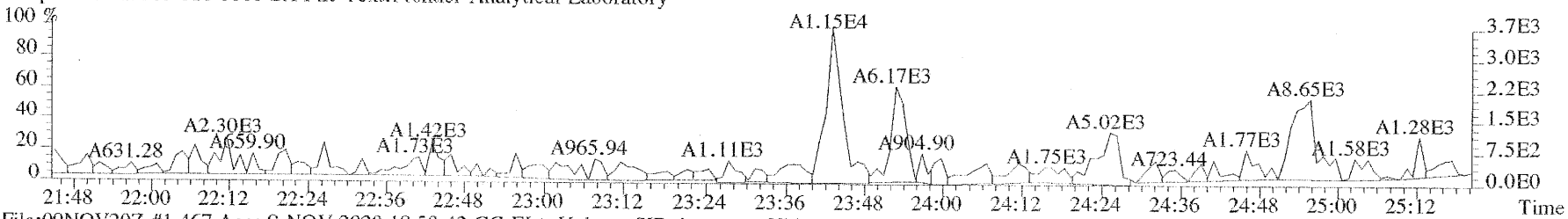
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:8 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



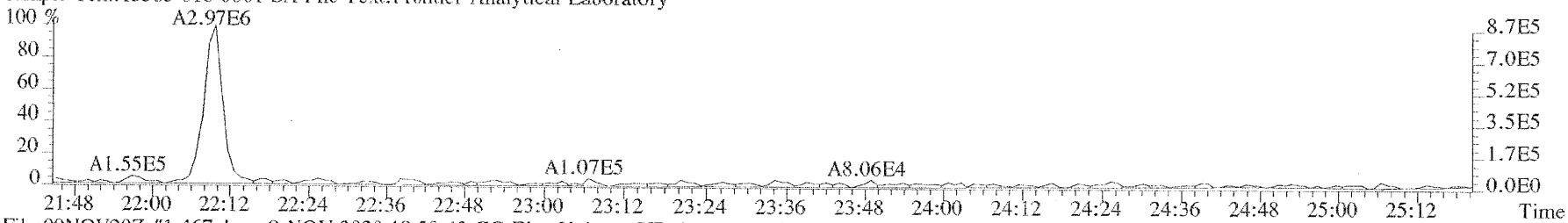
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



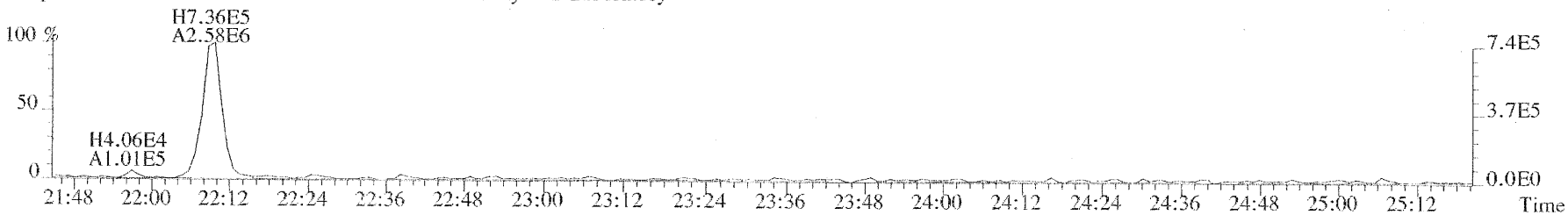
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



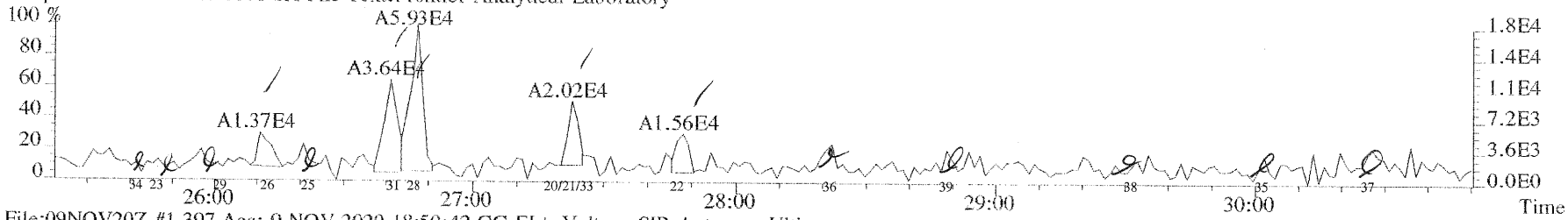
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



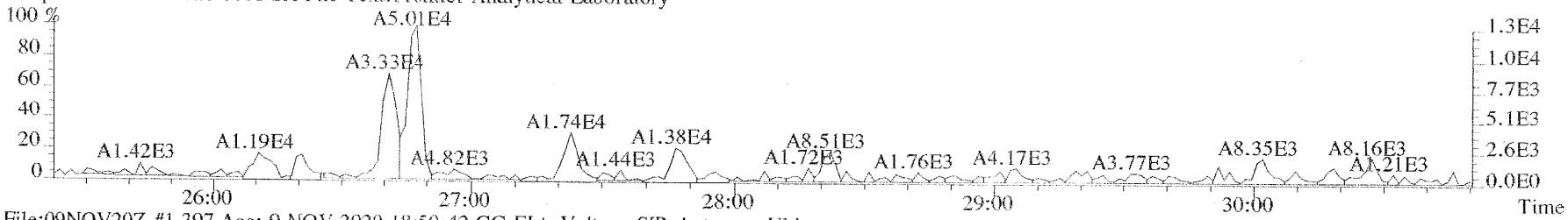
File:09NOV20Z #1-467 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



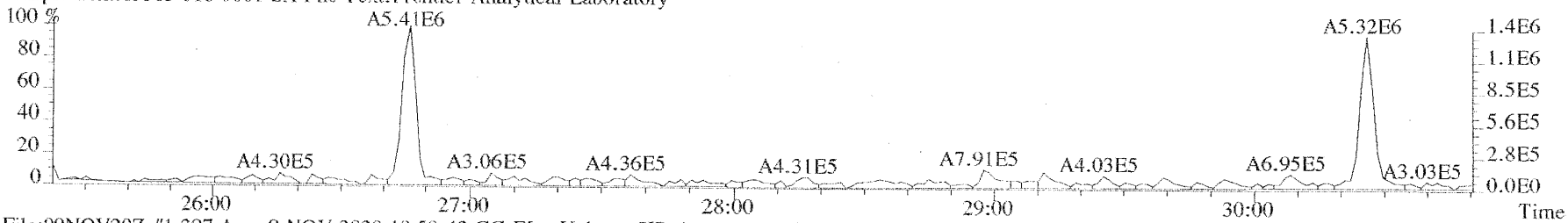
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



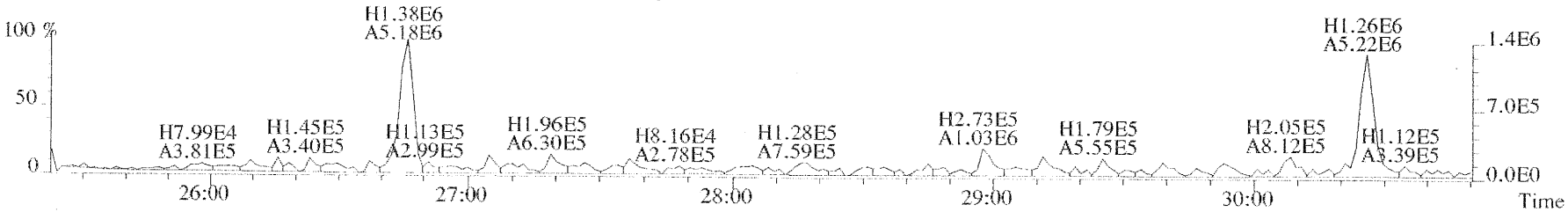
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



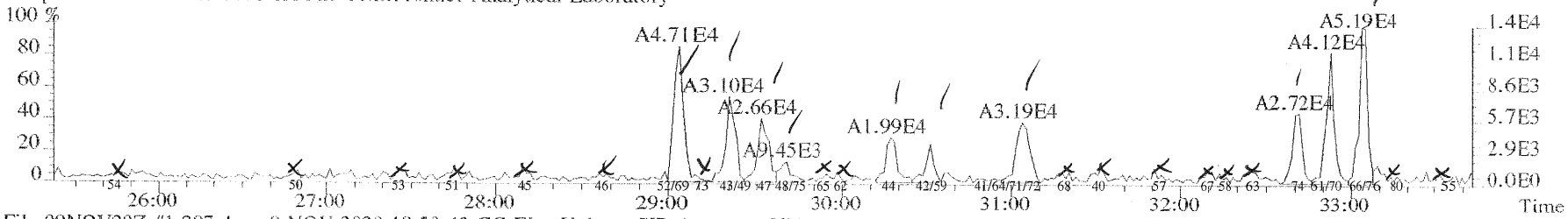
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



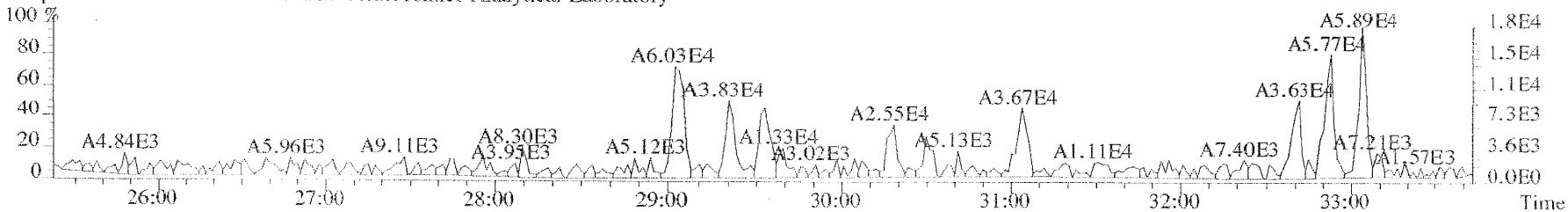
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



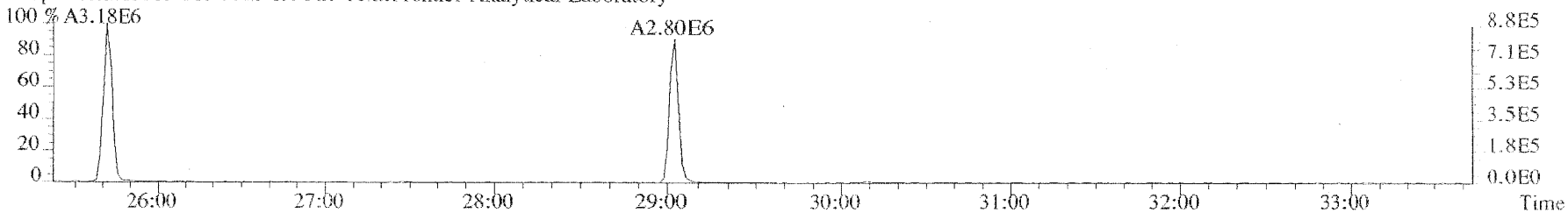
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



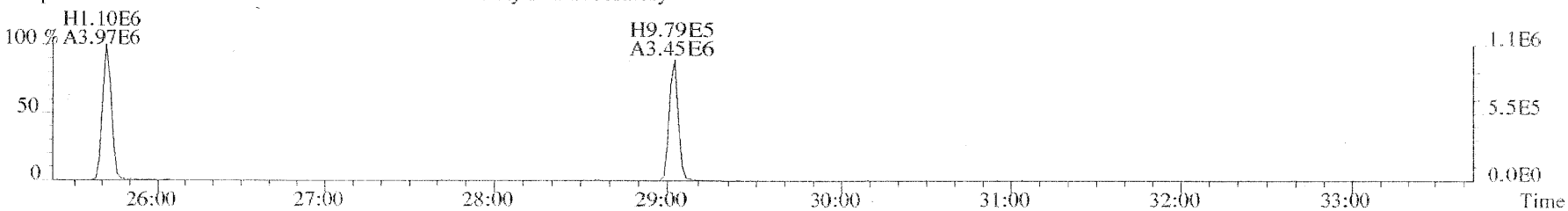
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



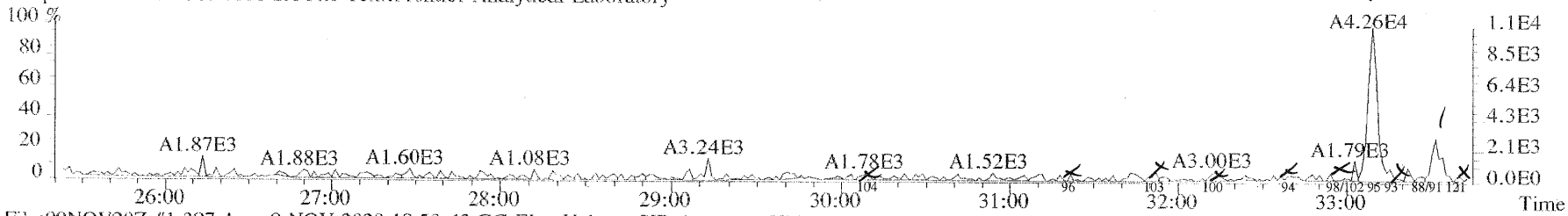
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



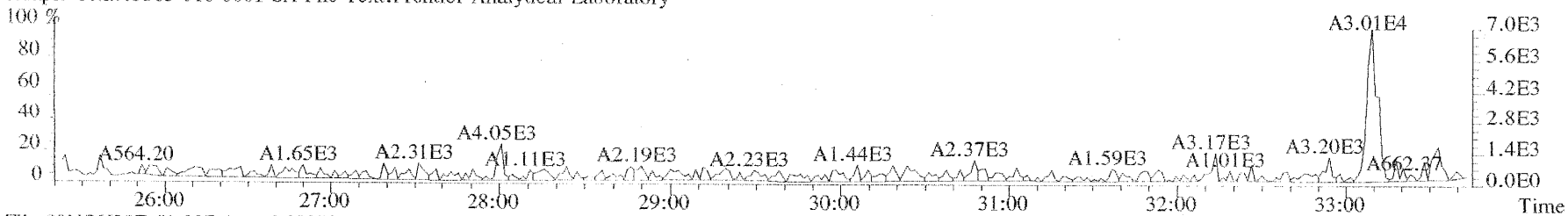
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



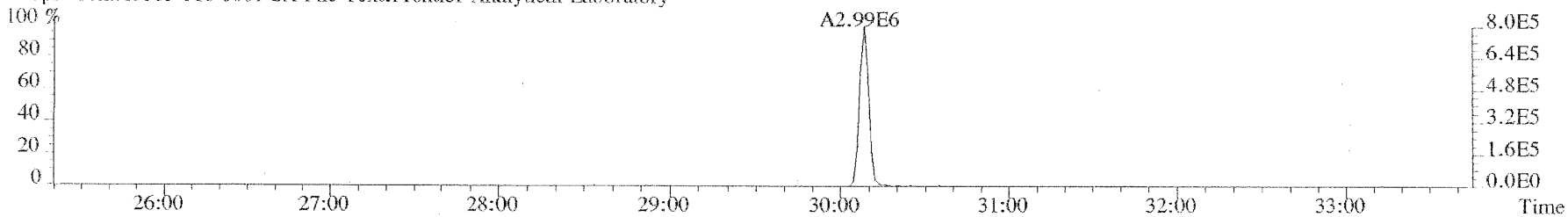
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



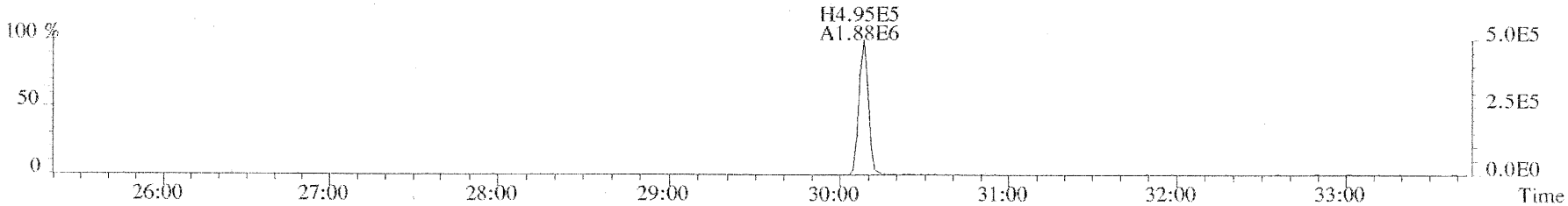
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



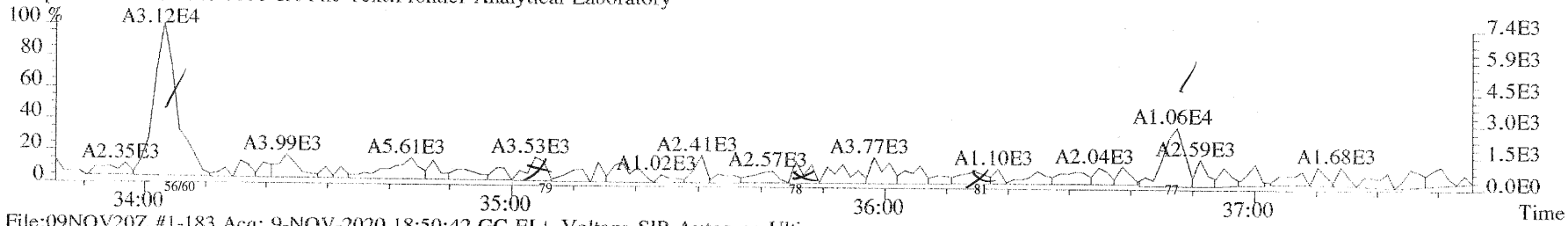
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



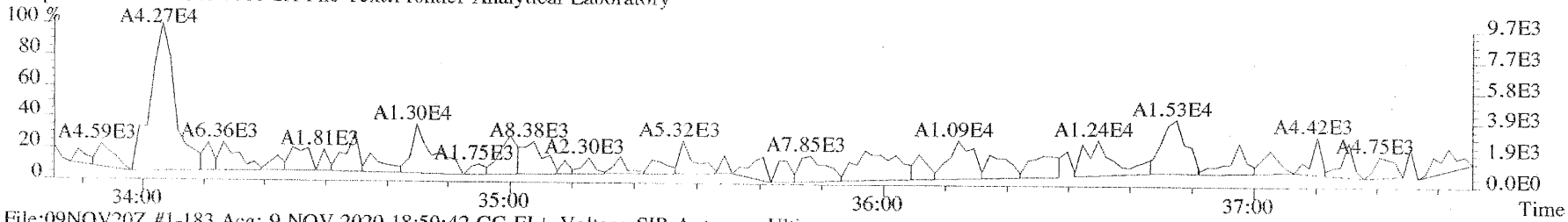
File:09NOV20Z #1-397 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



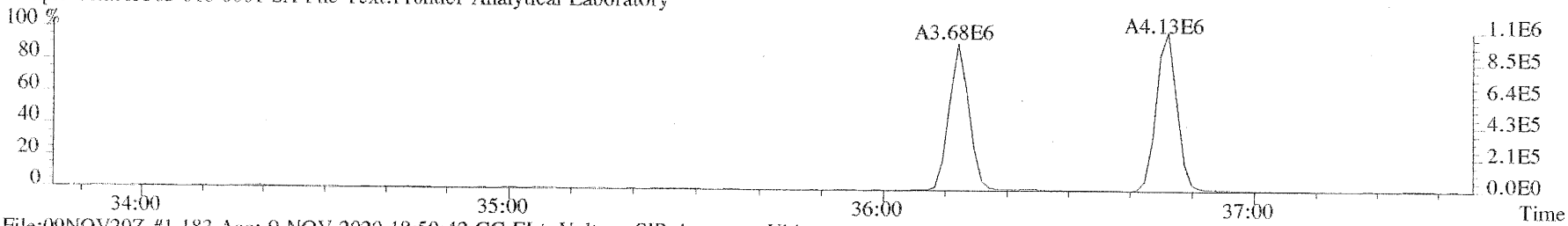
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



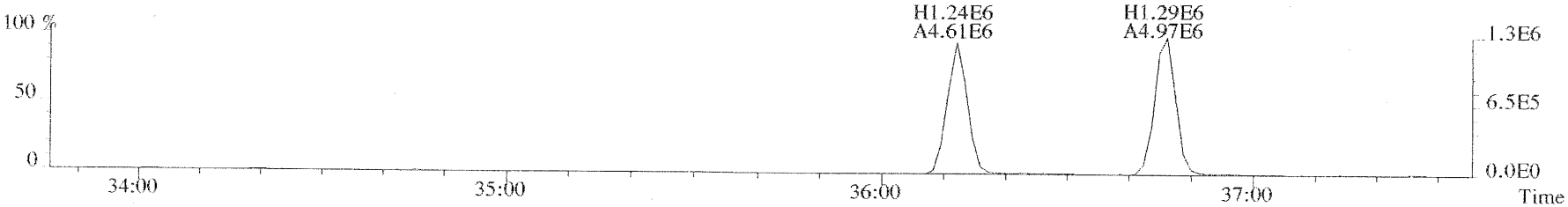
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



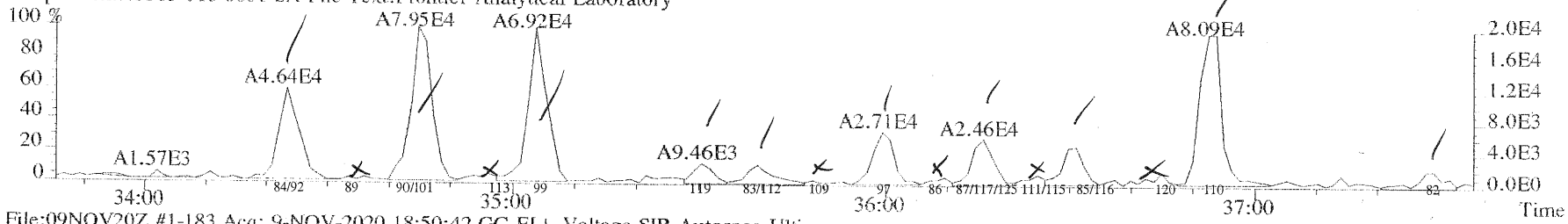
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



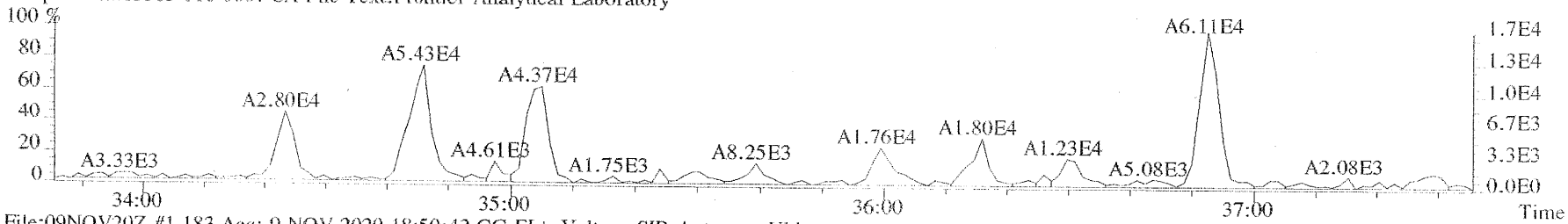
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



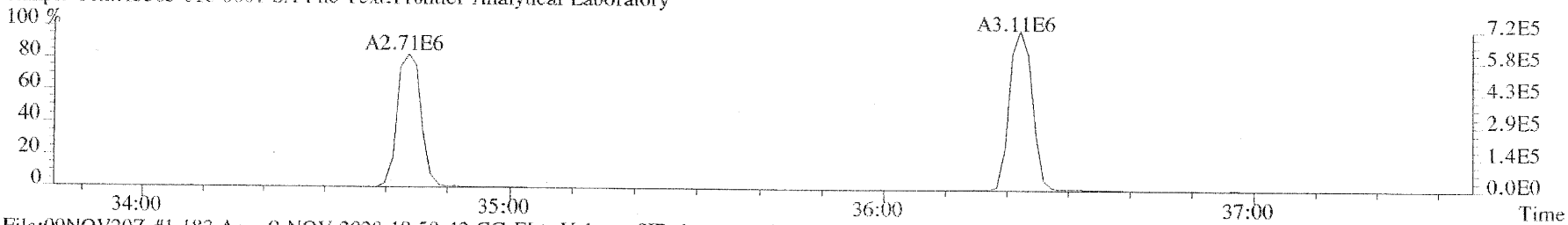
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



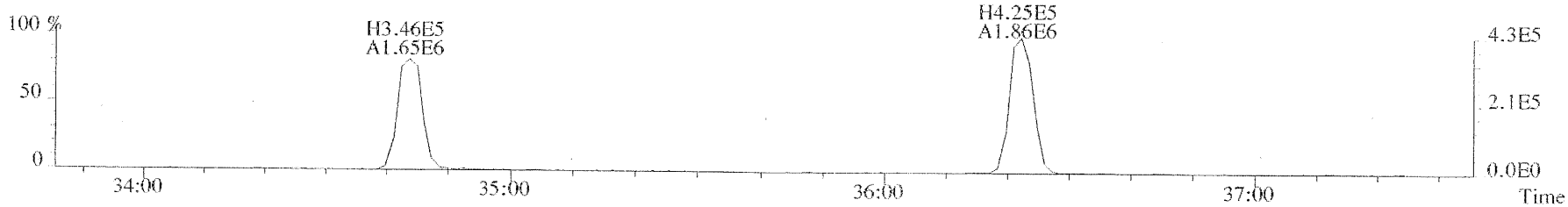
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



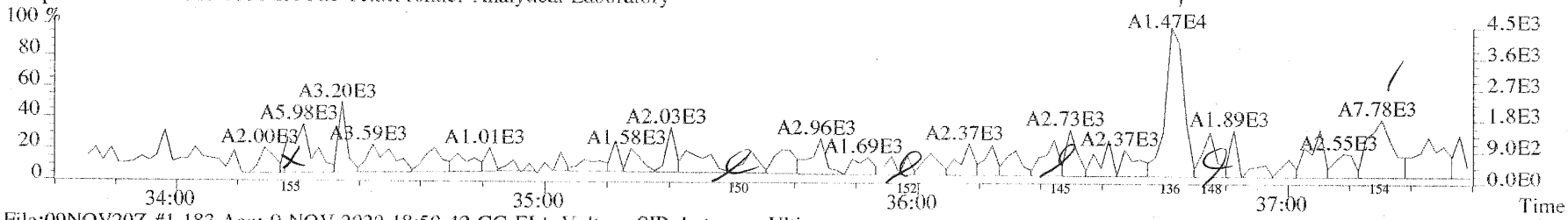
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



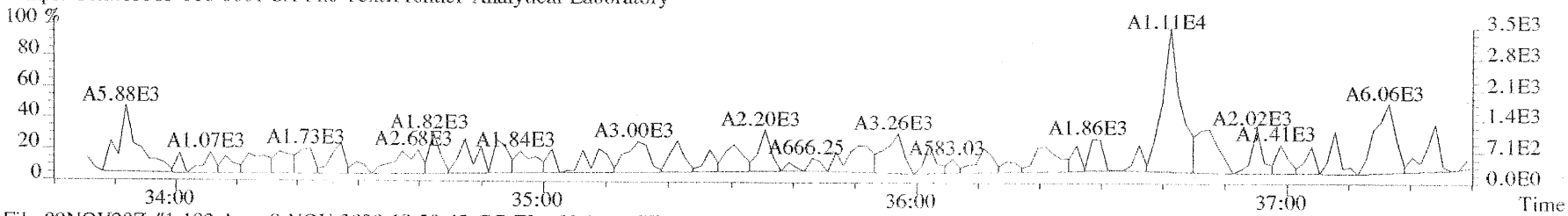
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



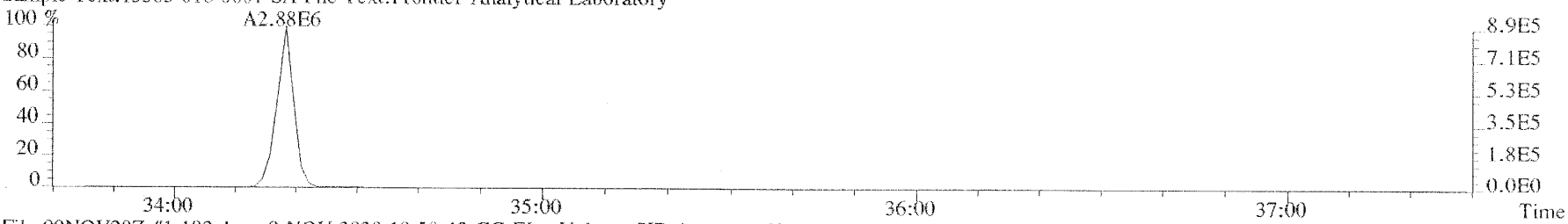
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



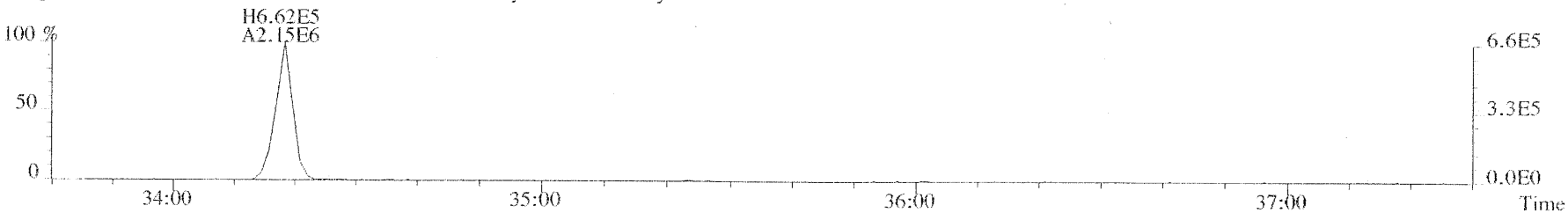
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



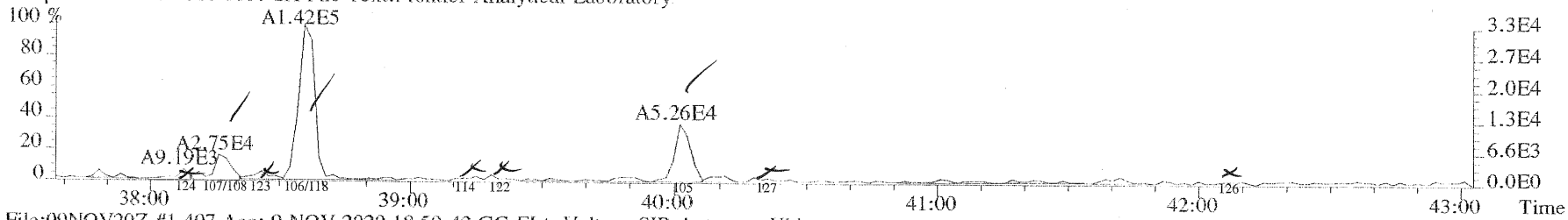
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



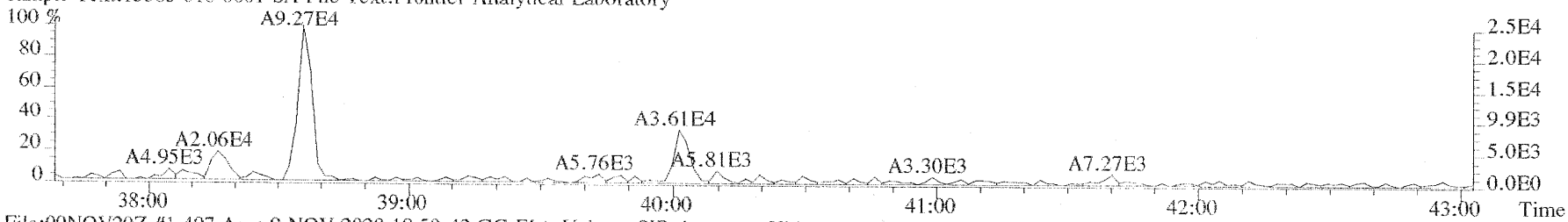
File:09NOV20Z #1-183 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



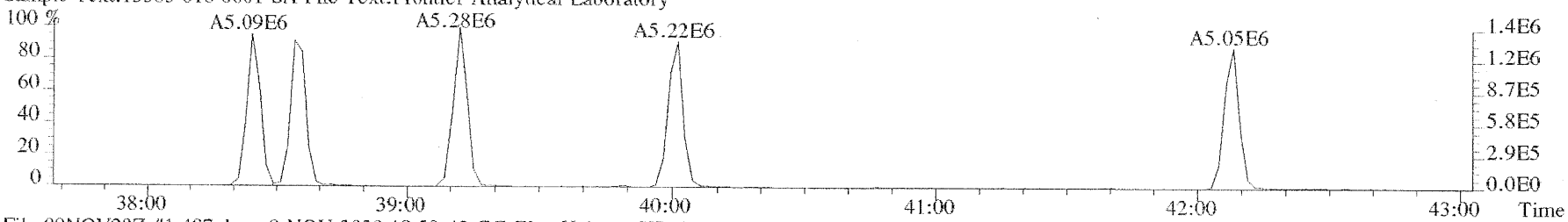
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



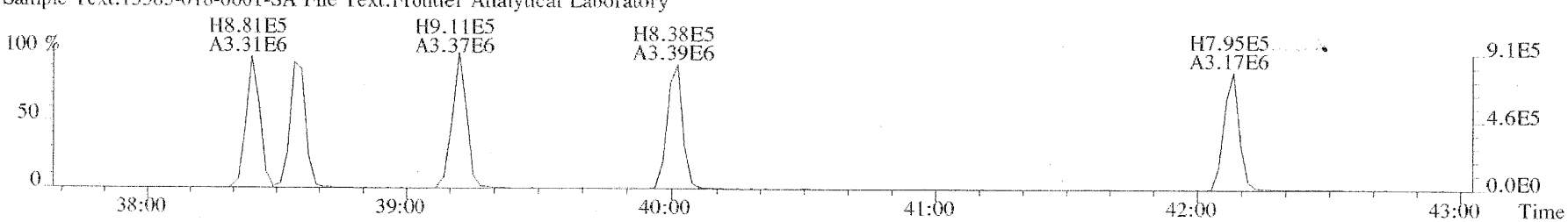
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



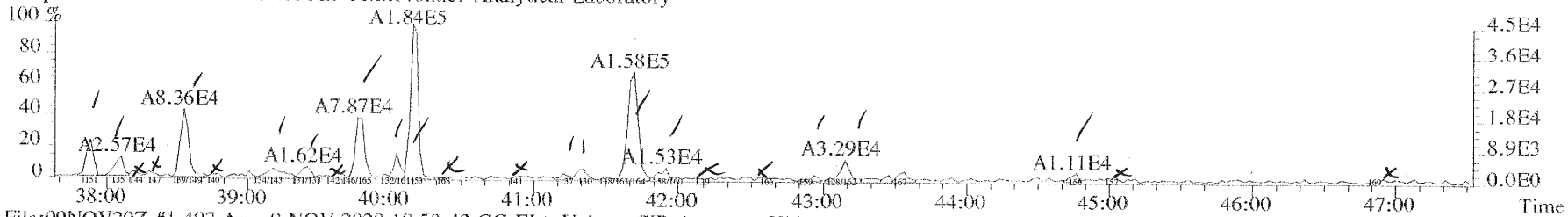
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



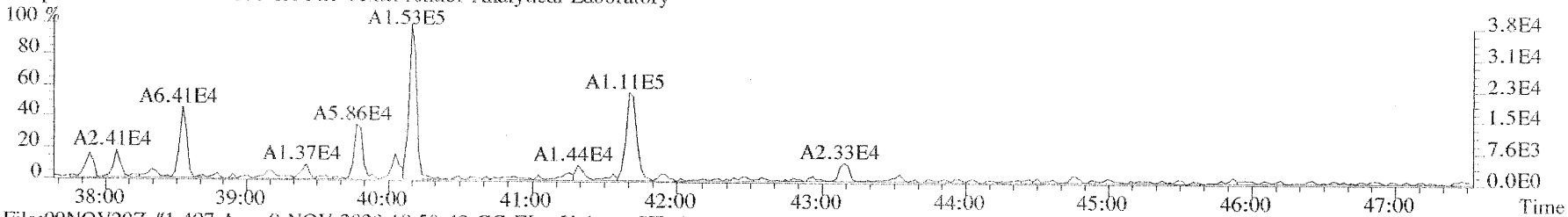
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



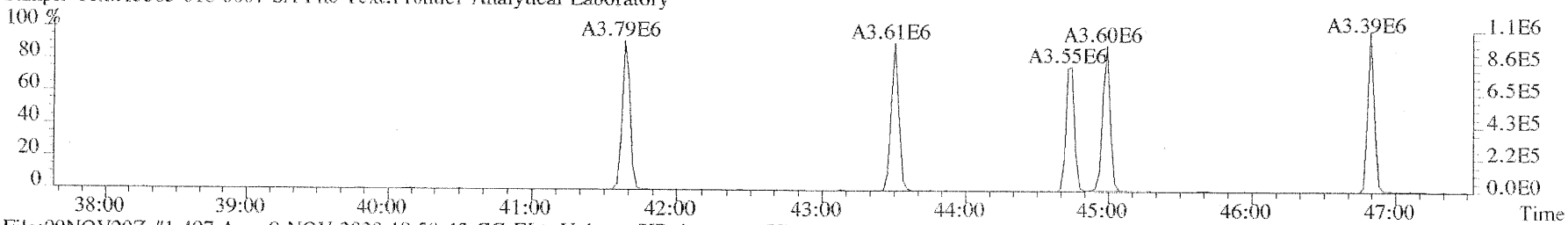
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



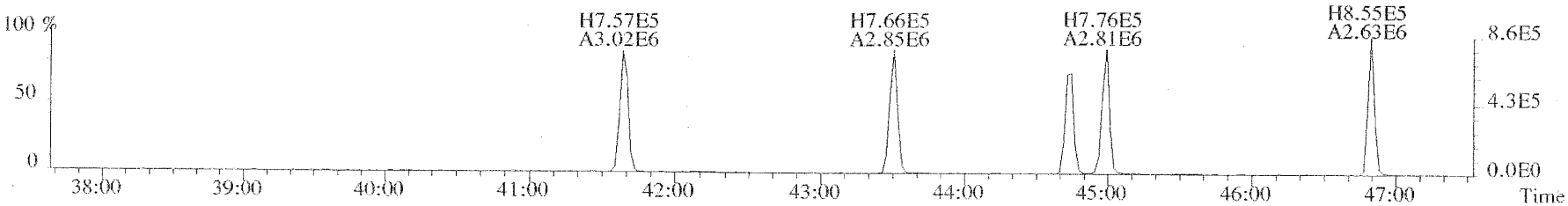
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



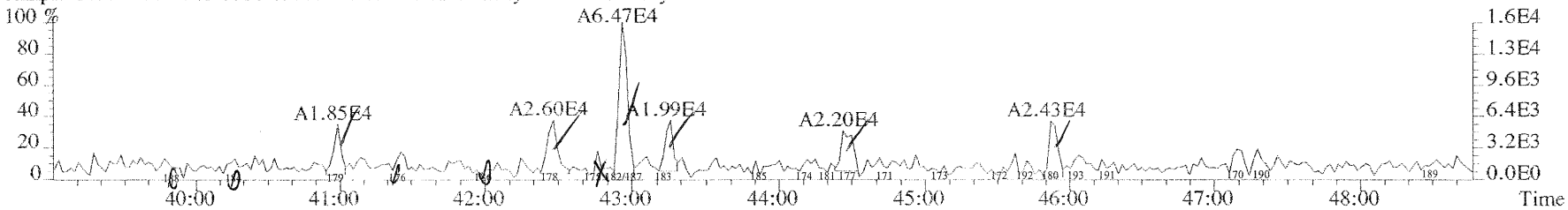
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



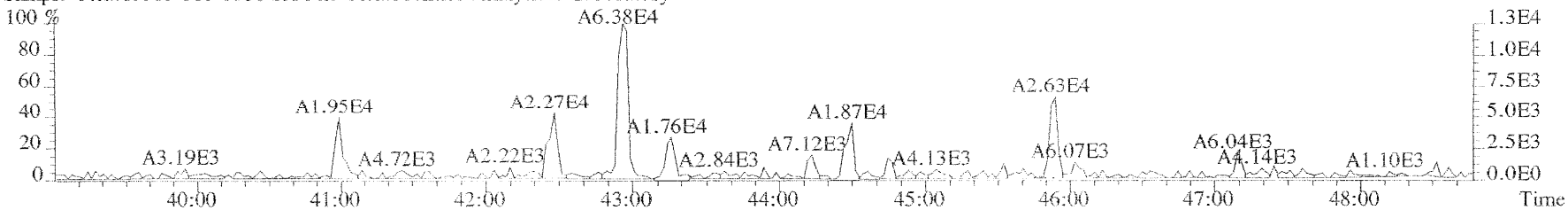
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



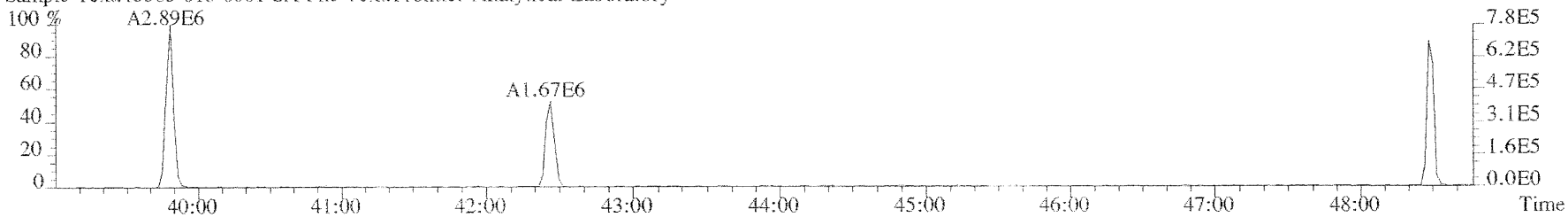
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:8 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



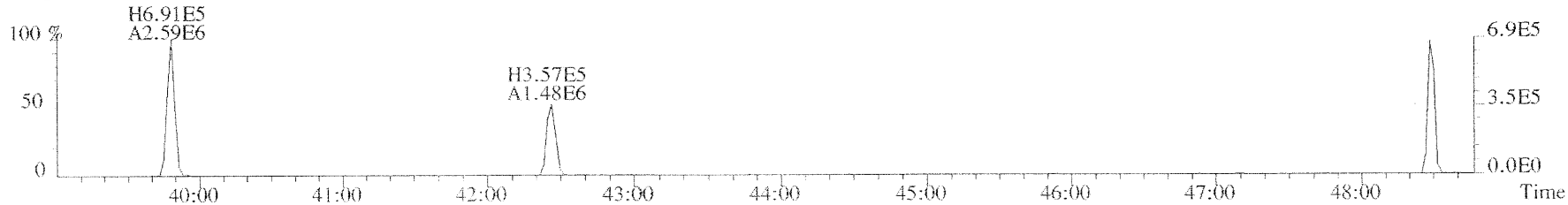
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:8 F:5 BSUB(10000,15,-3.0) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



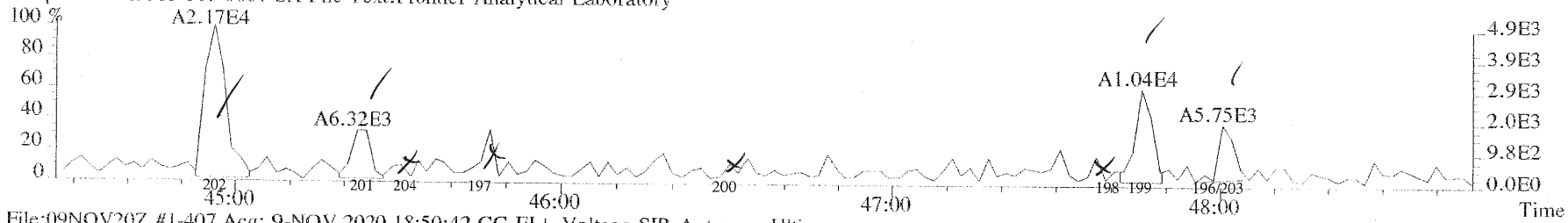
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



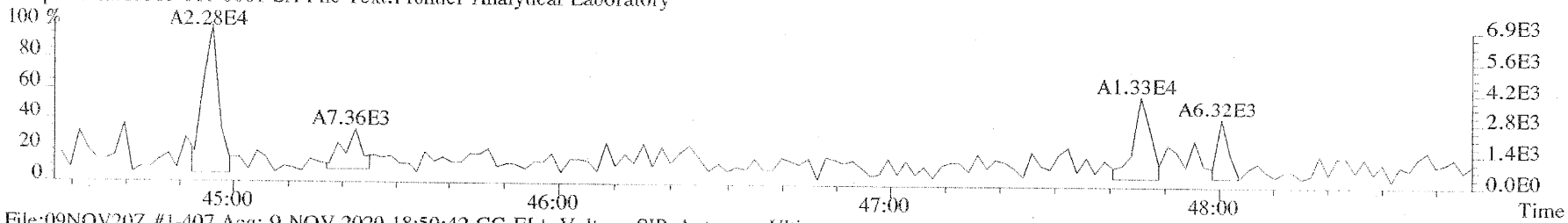
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



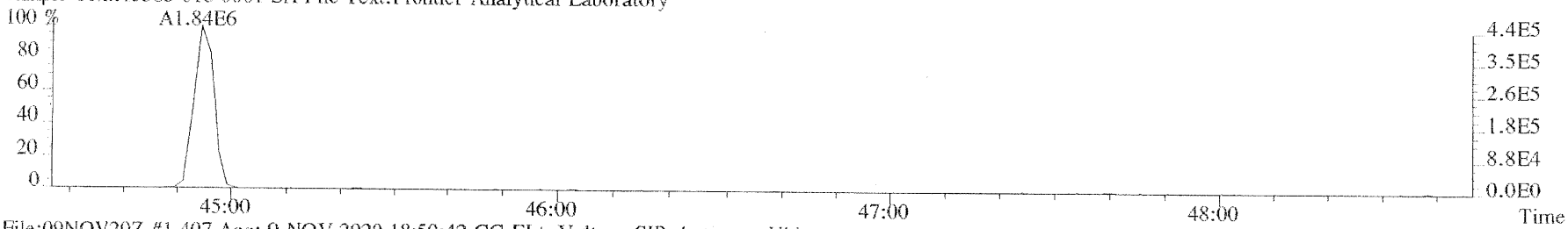
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



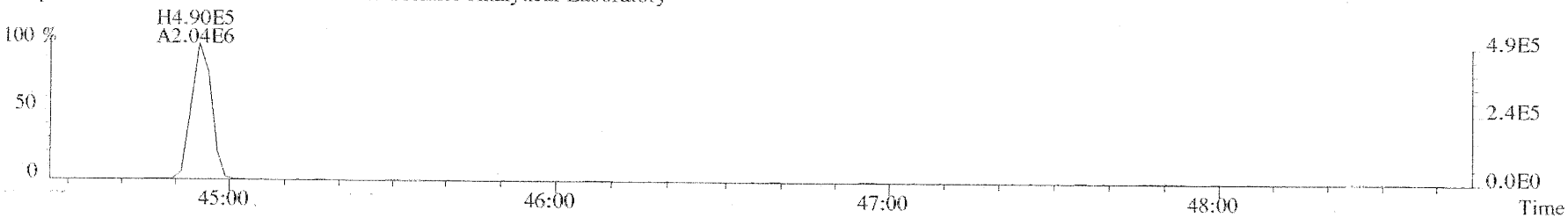
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



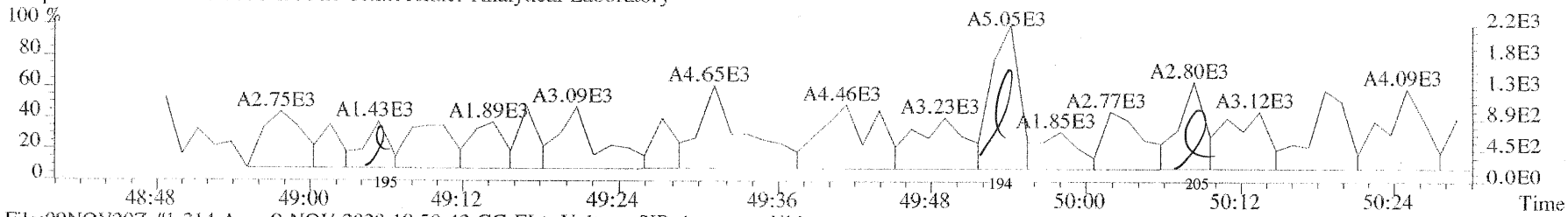
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



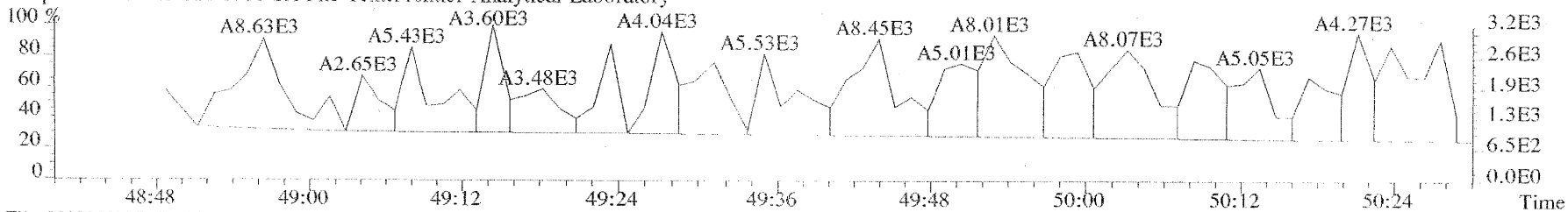
File:09NOV20Z #1-407 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



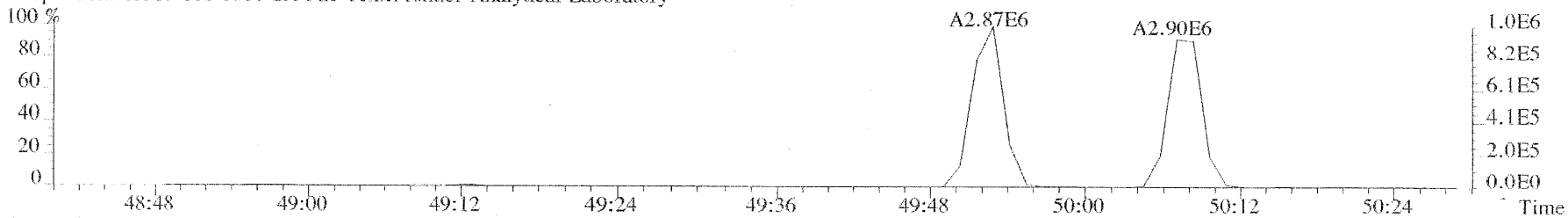
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



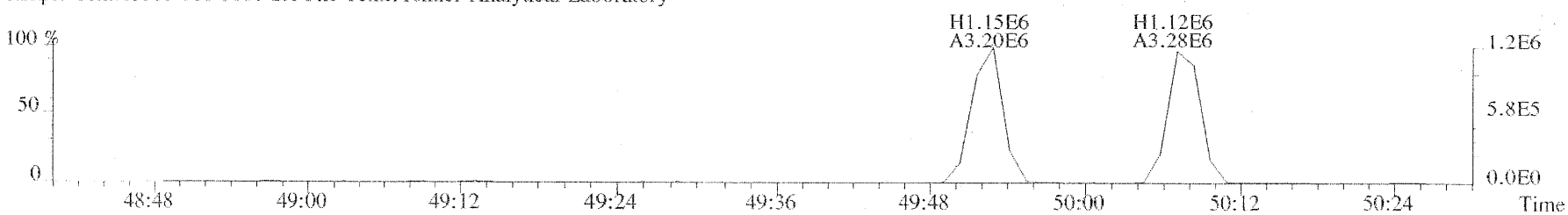
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



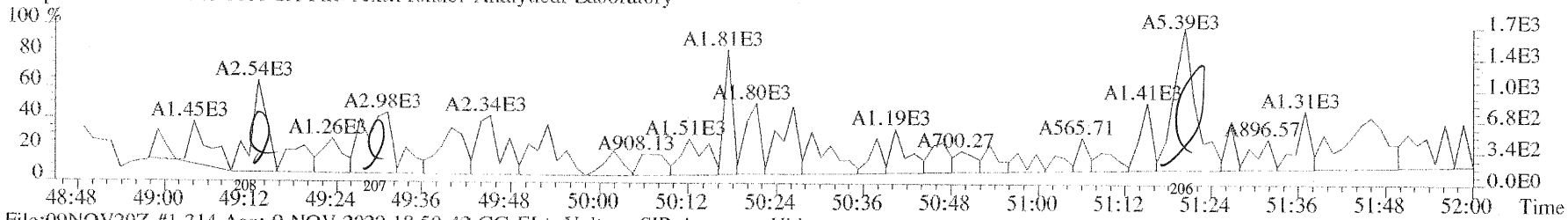
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



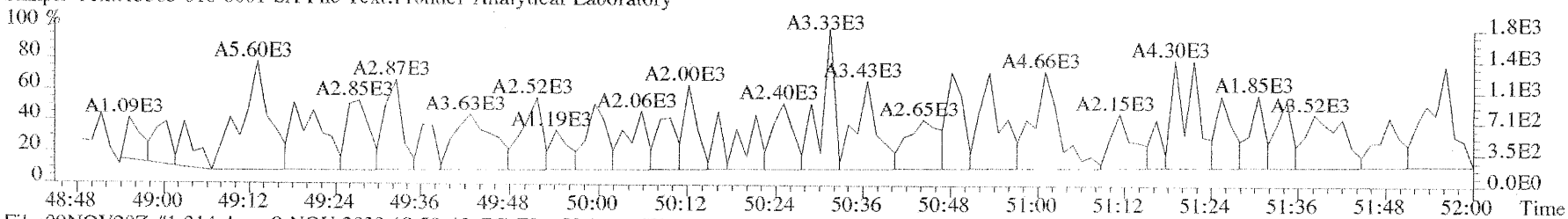
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



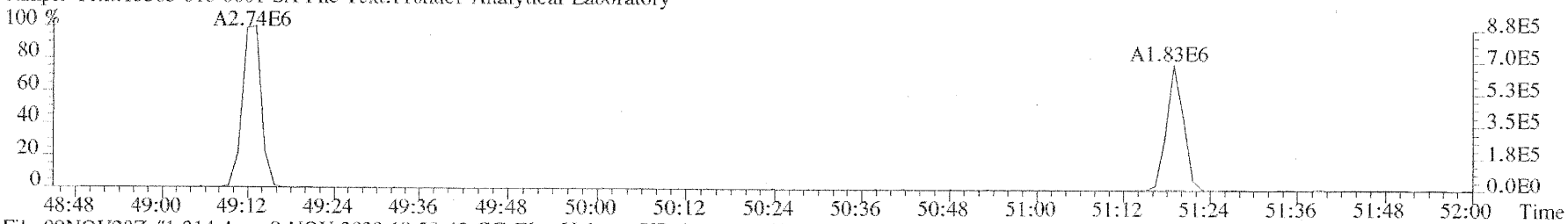
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



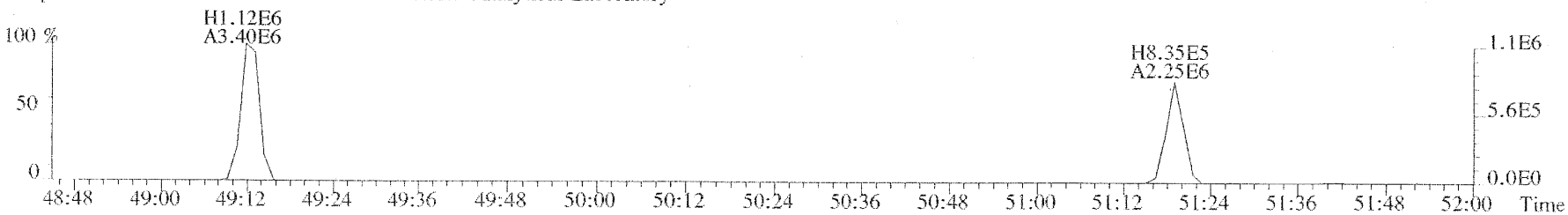
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



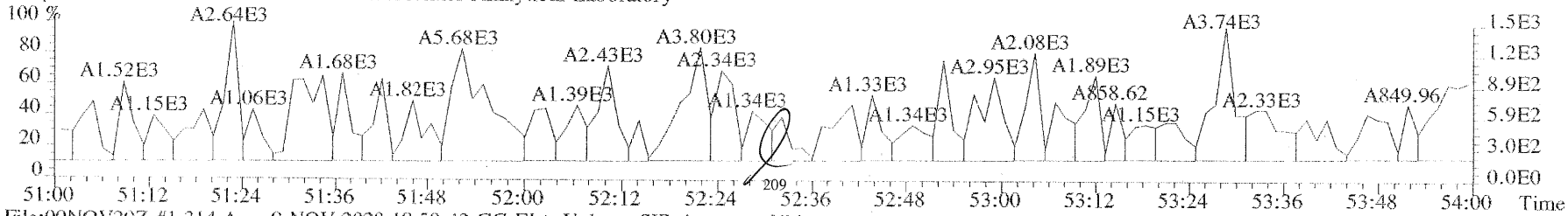
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



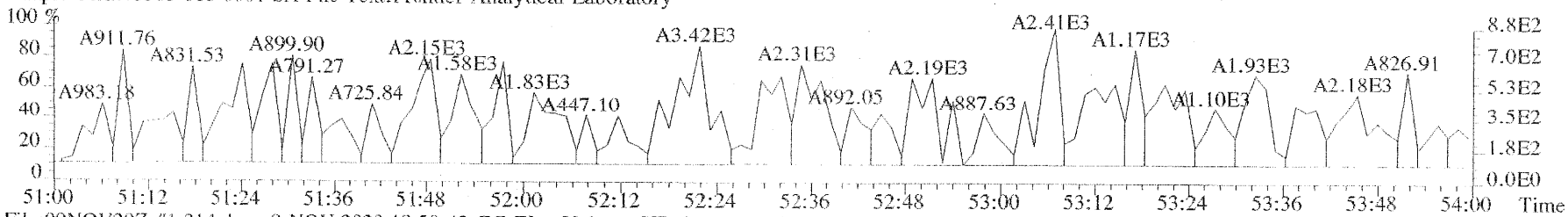
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



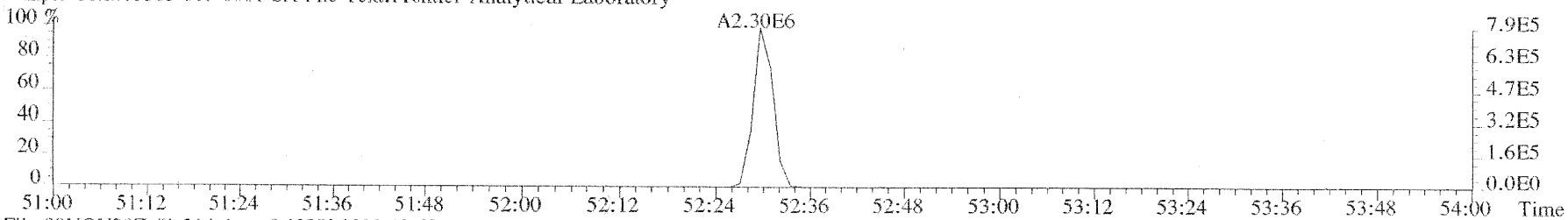
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



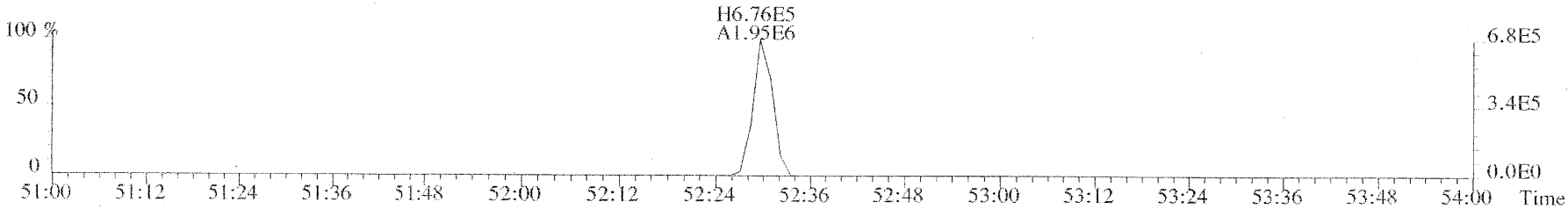
File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 18:50:42 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:8 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-018-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 13383-022-0001-SA Filename: 09NOV20Z Sam:9 Acquired: 9-NOV-20 19:49:03 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-WORM-BAS ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 6.510

Name	Resp	RA	RT	RRF	Conc	Qual	Noise-1	Noise-2	DL	Rec	Height-1	Height-2
PCB-1	1.64e+06	3.12 y	14:33	1.29	294		-	-	*			
13C-PCB-1	6.62e+06	3.12 y	14:32	0.83	999					65.0	1.47e+06	4.79e+05
PCB-2	*	* n	NotFnd	1.28	*		730	448	1.80			
PCB-3	4.04e+05	3.13 y	17:00	1.26	72.2		-	-	*			
13C-PCB-3	6.80e+06	3.17 y	16:59	0.80	1070					69.5	1.48e+06	4.74e+05
PCB-4	6.47e+05	1.51 y	18:16	1.09	140		-	-	*			
PCB-10	*	* n	NotFnd	1.50	*		357	1540	2.03			
13C-PCB-4	6.50e+06	1.54 y	18:15	0.66	1240					80.8	1.13e+06	7.39e+05
PCB-9	*	* n	NotFnd	1.41	*		357	1540	2.16			
PCB-7	*	* n	NotFnd	1.44	*		357	1540	2.12			
PCB-6	*	* n	NotFnd	1.38	*		357	1540	2.21			
PCB-8	*	* n	NotFnd	1.37	*		357	1540	2.22			
PCB-5	*	* n	NotFnd	1.43	*		357	1540	2.14			
PCB-14	*	* n	NotFnd	1.43	*		357	1540	2.13			
PCB-11	1.88e+05	1.53 y	23:08	1.34	25.7		-	-	*			
PCB-13	*	* n	NotFnd	1.32	*		357	1540	2.30			
PCB-12	*	* n	NotFnd	1.35	*		357	1540	2.26			
PCB-15	9.92e+04	1.48 y	23:48	1.20	12.4		-	-	*			
13C-PCB-15	1.03e+07	1.59 y	23:47	0.99	1300					84.7	1.79e+06	1.12e+06
PCB-19	2.42e+05	1.17 y	22:11	1.21	65.7		-	-	*			
PCB-30	*	* n	NotFnd	1.89	*		740	324	1.65			
PCB-18	*	* n	NotFnd	1.28	*		740	324	2.44			
PCB-17	*	* n	NotFnd	1.38	*		740	324	2.27			
PCB-27	*	* n	NotFnd	1.72	*		740	324	1.82			
PCB-24	*	* n	NotFnd	1.78	*		740	324	1.76			
PCB-16	*	* n	NotFnd	1.53	*		740	324	2.04			
PCB-32	*	* n	NotFnd	1.60	*		740	324	1.95			
13C-PCB-19	4.69e+06	1.07 y	22:09	0.46	1280					83.4	6.79e+05	6.27e+05
13C-PCB-9	1.22e+07	1.65 y	19:56	-	3.10							
PCB-34	*	* n	NotFnd	1.26	*		654	544	1.67			
PCB-23	*	* n	NotFnd	1.36	*		654	544	1.54			
PCB-29	*	* n	NotFnd	1.33	*		654	544	1.58			
PCB-26	*	* n	NotFnd	1.27	*		654	544	1.65			
PCB-25	*	* n	NotFnd	1.23	*		654	544	1.71			
PCB-31	3.00e+04	1.06 y	26:41	1.19	4.59		-	-	*			
PCB-28	3.59e+04	1.19 y	26:46	1.57	4.17		-	-	*			
PCB-20	*	* n	NotFnd	1.26	*		654	544	1.67		Co-elute PCB 21/33	
PCB-21	*	* n	NotFnd	1.26	*		654	544	1.67		Co-elute PCB 20/33	
PCB-33	*	* n	NotFnd	1.26	*		654	544	1.67		Co-elute PCB 20/21	
PCB-22	*	* n	NotFnd	1.36	*		654	544	1.55			
PCB-36	*	* n	NotFnd	1.29	*		654	544	1.63			
PCB-39	*	* n	NotFnd	1.31	*		654	544	1.61			
PCB-38	*	* n	NotFnd	1.25	*		654	544	1.69			
PCB-35	*	* n	NotFnd	1.20	*		654	544	1.75			
PCB-37	6.94e+04	1.16 y	30:26	1.28	9.92		-	-	*			
13C-PCB-37	8.42e+06	1.04 y	30:26	1.69	1270					83.0	1.15e+06	1.04e+06

PCB-54	1.35e+05	0.79	y	25:43	1.27	24.7	-	-	*			
PCB-50	*	*	n	NotFnd	0.97	*	456	566	2.10			
PCB-53	*	*	n	NotFnd	0.94	*	456	566	2.17			
PCB-51	*	*	n	NotFnd	0.94	*	456	566	2.17			
PCB-45	*	*	n	NotFnd	0.81	*	456	566	2.53			
PCB-46	*	*	n	NotFnd	0.77	*	456	566	2.66			
PCB-52	6.10e+04	0.67	y	29:04	1.04	13.6	-	-	*	Co-elute PCB 69		
PCB-69	6.10e+04	0.67	y	29:04	1.04	13.6	-	-	*	Co-elute PCB 52		
PCB-73	*	*	n	NotFnd	1.12	*	456	566	1.83			
PCB-43	3.10e+04	0.72	y	29:20	0.89	8.08	-	-	*	Co-elute PCB 49		
PCB-49	3.10e+04	0.72	y	29:20	0.89	8.08	-	-	*	Co-elute PCB 43		
PCB-47	2.30e+04	0.66	y	29:32	0.94	5.67	-	-	*			
PCB-48	*	*	n	NotFnd	1.16	*	456	566	1.77	Co-elute PCB 75		
PCB-75	*	*	n	NotFnd	1.16	*	456	566	1.77	Co-elute PCB 48		
PCB-65	*	*	n	NotFnd	1.19	*	456	566	1.72			
PCB-62	*	*	n	NotFnd	1.12	*	456	566	1.82			
PCB-44	3.58e+04	0.83	y	30:17	0.75	11.1	-	-	*			
PCB-42	*	*	n	NotFnd	1.04	*	456	566	1.97	Co-elute PCB 59		
PCB-59	*	*	n	NotFnd	1.04	*	456	566	1.97	Co-elute PCB 42		
PCB-72	2.13e+04	0.79	y	31:04	1.15	4.31	-	-	*	Co-elute PCB 41/71/64		
PCB-41	2.13e+04	0.79	y	31:04	1.15	4.31	-	-	*	Co-elute PCB 72/71/64		
PCB-71	2.13e+04	0.79	y	31:04	1.15	4.31	-	-	*	Co-elute PCB 72/41/64		
PCB-64	2.13e+04	0.79	y	31:04	1.15	4.31	-	-	*	Co-elute PCB 72/41/71		
PCB-68	*	*	n	NotFnd	1.33	*	456	566	1.54			
PCB-40	*	*	n	NotFnd	0.72	*	456	566	2.83			
PCB-57	*	*	n	NotFnd	1.26	*	456	566	1.62			
PCB-67	*	*	n	NotFnd	1.24	*	456	566	1.65			
PCB-58	*	*	n	NotFnd	1.26	*	456	566	1.62			
PCB-63	*	*	n	NotFnd	1.25	*	456	566	1.64			
PCB-74	3.03e+04	0.74	y	32:41	1.25	5.65	-	-	*			
PCB-61	6.08e+04	0.68	y	32:53	1.14	12.4	-	-	*	Co-elute PCB 70		
PCB-70	6.08e+04	0.68	y	32:53	1.14	12.4	-	-	*	Co-elute PCB 61		
PCB-76	4.89e+04	0.76	y	33:04	1.33	8.55	-	-	*	Co-elute PCB 66		
PCB-66	4.89e+04	0.76	y	33:04	1.33	8.55	-	-	*	Co-elute PCB 76		
PCB-80	*	*	n	NotFnd	1.52	*	456	566	1.34			
PCB-55	*	*	n	NotFnd	1.30	*	456	566	1.58			
13C-PCB-54	6.60e+06	0.80	y	25:42	1.29	1310				85.1	8.58e+05	1.06e+06
PCB-104	3.57e+04	1.42	y	30:10	1.16	9.13	-	-	*			
PCB-96	*	*	n	NotFnd	1.08	*	392	308	1.78			
PCB-103	*	*	n	NotFnd	0.91	*	392	308	2.11			
PCB-100	*	*	n	NotFnd	0.95	*	392	308	2.03			
PCB-94	*	*	n	NotFnd	0.78	*	392	308	2.48			
PCB-98	*	*	n	NotFnd	0.80	*	392	308	2.41	Co-elute PCB 102		
PCB-102	*	*	n	NotFnd	0.80	*	392	308	2.41	Co-elute PCB 98		
PCB-95	3.24e+04	1.49	y	33:09	0.89	10.8	-	-	*			
PCB-93	*	*	n	NotFnd	0.86	*	392	308	2.24			
PCB-88	*	*	n	NotFnd	0.91	*	392	308	2.12	Co-elute PCB 91		
PCB-91	*	*	n	NotFnd	0.91	*	392	308	2.12	Co-elute PCB 88		
PCB-121	*	*	n	NotFnd	1.09	*	392	308	1.77			
13C-PCB-104	5.16e+06	1.53	y	30:08	1.07	1240				80.7	8.43e+05	5.50e+05
13C-PCB-28	9.24e+06	1.02	y	26:46	2.08	1140				74.1	1.20e+06	1.10e+06
13C-PCB-52	6.00e+06	0.78	y	29:03	-	2.96						

PCB-56	4.11e+04	0.68	y	34:03	1.20	6.55	-	-	*		Co-elute PCB 60	
PCB-60	4.11e+04	0.68	y	34:03	1.20	6.55	-	-	*		Co-elute PCB 56	
PCB-79	*	*	n	NotFnd	1.23	*	532	789	1.99			
PCB-78	*	*	n	NotFnd	1.25	*	532	789	1.97			
PCB-81	6.65e+04	0.69	y	36:12	1.31	9.97	-	-	*			
13C-PCB-81	7.83e+06	0.80	y	36:12	1.53	1380				89.9	9.19e+05	1.18e+06
PCB-77	8.29e+04	0.73	y	36:46	1.13	13.6	-	-	*			
13C-PCB-77	8.28e+06	0.83	y	36:45	1.64	1370				89.2	9.38e+05	1.10e+06
PCB-155	2.43e+04	1.16	y	34:18	1.12	6.09	-	-	*			
PCB-150	*	*	n	NotFnd	1.04	*	489	357	2.13			
PCB-152	*	*	n	NotFnd	1.03	*	489	357	2.15			
PCB-145	*	*	n	NotFnd	1.07	*	489	357	2.06			
PCB-136	*	*	n	NotFnd	1.01	*	489	357	2.20			
PCB-148	*	*	n	NotFnd	0.83	*	489	357	2.69			
PCB-154	*	*	n	NotFnd	0.90	*	489	357	2.46			
13C-PCB-155	5.46e+06	1.34	y	34:17	1.21	1220				79.7	8.28e+05	6.35e+05
13C-PCB-111	5.72e+06	1.59	y	36:22	1.31	1180				76.9	9.76e+05	5.86e+05
13C-PCB-101	5.67e+06	1.62	y	34:44	-	2.76						
PCB-84	4.13e+04	1.62	y	34:23	0.73	10.6	-	-	*		Co-elute PCB 92	
PCB-92	4.13e+04	1.62	y	34:23	0.73	10.6	-	-	*		Co-elute PCB 84	
PCB-89	*	*	n	NotFnd	0.73	*	489	423	2.26			
PCB-90	1.33e+05	1.67	y	34:45	0.82	30.4	-	-	*		Co-elute PCB 101	
PCB-101	1.33e+05	1.67	y	34:45	0.82	30.4	-	-	*		Co-elute PCB 90	
PCB-113	*	*	n	NotFnd	0.90	*	489	423	1.82			
PCB-99	7.13e+04	1.37	y	35:04	0.92	14.7	-	-	*			
PCB-119	*	*	n	NotFnd	1.00	*	489	423	1.65			
PCB-83	*	*	n	NotFnd	0.83	*	489	423	1.99		Co-elute PCB 112	
PCB-112	*	*	n	NotFnd	0.83	*	489	423	1.99		Co-elute PCB 83	
PCB-109	*	*	n	NotFnd	0.98	*	489	423	1.68			
PCB-97	3.28e+04	1.51	y	35:59	0.71	8.78	-	-	*			
PCB-86	*	*	n	NotFnd	0.70	*	489	423	2.35			
PCB-125	3.76e+04	1.66	y	36:16	0.93	7.66	-	-	*		Co-elute PCB 87/117	
PCB-87	3.76e+04	1.66	y	36:16	0.93	7.66	-	-	*		Co-elute PCB 125/117	
PCB-117	3.76e+04	1.66	y	36:16	0.93	7.66	-	-	*		Co-elute PCB 125/87	
PCB-111	*	*	n	NotFnd	1.08	*	489	423	1.53		Co-elute PCB 115	
PCB-115	*	*	n	NotFnd	1.08	*	489	423	1.53		Co-elute PCB 111	
PCB-85	2.20e+04	1.49	y	36:30	0.88	4.72	-	-	*		Co-elute PCB 116	
PCB-116	2.20e+04	1.49	y	36:30	0.88	4.72	-	-	*		Co-elute PCB 85	
PCB-120	*	*	n	NotFnd	1.09	*	489	423	1.51			
PCB-110	6.77e+04	1.42	y	36:53	1.05	12.2	-	-	*			
PCB-82	*	*	n	NotFnd	0.63	*	489	423	2.63			
PCB-124	*	*	n	NotFnd	1.09	*	628	532	1.92			
PCB-108	2.43e+04	1.58	y	38:18	1.24	3.69	-	-	*		Co-elute PCB 107	
PCB-107	2.43e+04	1.58	y	38:18	1.24	3.69	-	-	*		Co-elute PCB 108	
PCB-123	5.15e+04	1.46	y	38:26	1.07	9.24	-	-	*			
13C-PCB-123	8.02e+06	1.56	y	38:24	1.29	1420				92.3	1.36e+06	8.65e+05
PCB-118	2.36e+05	1.57	y	38:36	1.13	38.8	-	-	*		Co-elute PCB 106	
PCB-106	2.36e+05	1.57	y	38:36	1.13	38.8	-	-	*		Co-elute PCB 118	
13C-PCB-118	8.24e+06	1.61	y	38:34	1.41	1330				86.8	1.31e+06	8.47e+05
PCB-114	4.85e+04	1.42	y	39:14	1.20	7.63	-	-	*			
13C-PCB-114	8.13e+06	1.62	y	39:12	1.34	1390				90.6	1.33e+06	7.90e+05
PCB-122	*	*	n	NotFnd	1.15	*	628	532	1.83			
PCB-105	1.11e+05	1.59	y	40:01	1.23	16.9	-	-	*			
13C-PCB-105	8.15e+06	1.57	y	39:60	1.33	1400				91.4	1.20e+06	8.05e+05

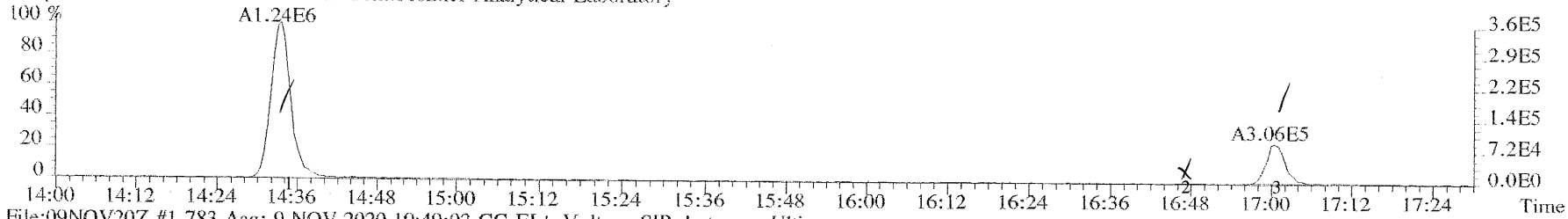
PCB-127	*	*	n	NotFnd	1.12	*	628	532	1.86			
PCB-126	5.91e+04	1.43	y	42:08	1.20	10.0	-	-	*			
13C-PCB-126	7.57e+06	1.60	y	42:06	1.20	1440				93.7	1.12e+06	6.97e+05
PCB-151	3.31e+04	1.09	y	37:51	1.02	8.32	-	-	*			
PCB-135	2.21e+04	1.08	y	38:05	1.08	5.29	-	-	*			
PCB-144	*	*	n	NotFnd	1.08	*	480	408	2.12			
PCB-147	*	*	n	NotFnd	1.13	*	480	408	2.02			
PCB-139	8.77e+04	1.10	y	38:33	1.15	19.6	-	-	*	Co-elute PCB 149		
PCB-149	8.77e+04	1.10	y	38:33	1.15	19.6	-	-	*	Co-elute PCB 139		
PCB-140	*	*	n	NotFnd	1.15	*	480	408	1.98			
PCB-143	*	*	n	NotFnd	0.93	*	480	408	2.46	Co-elute PCB 134		
PCB-134	*	*	n	NotFnd	0.93	*	480	408	2.46	Co-elute PCB 143		
PCB-131	2.10e+04	1.29	y	39:24	0.97	5.60	-	-	*	Co-elute PCB 133		
PCB-133	2.10e+04	1.29	y	39:24	0.97	5.60	-	-	*	Co-elute PCB 131		
PCB-142	*	*	n	NotFnd	0.96	*	480	408	2.38			
PCB-165	7.64e+04	1.15	y	39:47	1.25	15.8	-	-	*	Co-elute PCB 146		
PCB-146	7.64e+04	1.15	y	39:47	1.25	15.8	-	-	*	Co-elute PCB 165		
PCB-161	2.51e+04	1.36	y	40:03	1.22	5.28	-	-	*	Co-elute PCB 132		
PCB-132	2.51e+04	1.36	y	40:03	1.22	5.28	-	-	*	Co-elute PCB 161		
PCB-153	3.01e+05	1.21	y	40:10	1.21	64.0	-	-	*			
PCB-168	*	*	n	NotFnd	1.39	*	480	408	1.64			
PCB-141	2.55e+04	1.14	y	40:52	1.04	6.33	-	-	*			
PCB-137	2.60e+04	1.11	y	41:20	1.13	5.94	-	-	*			
PCB-130	2.60e+04	1.11	y	41:20	0.88	7.65	-	-	*			
PCB-138	2.25e+05	1.15	y	41:40	1.26	45.7	-	-	*	Co-elute PCB 163/164		
PCB-163	2.25e+05	1.15	y	41:40	1.26	45.7	-	-	*	Co-elute PCB 138/164		
PCB-164	2.25e+05	1.15	y	41:40	1.26	45.7	-	-	*	Co-elute PCB 138/163		
PCB-158	2.64e+04	1.36	y	41:53	1.38	4.91	-	-	*	Co-elute PCB 160		
PCB-160	2.64e+04	1.36	y	41:53	1.38	4.91	-	-	*	Co-elute PCB 158		
PCB-129	1.32e+04	1.32	y	42:06	0.91	3.72	-	-	*			
PCB-166	*	*	n	NotFnd	1.33	*	480	408	1.71			
PCB-159	*	*	n	NotFnd	1.38	*	480	408	1.65			
PCB-128	3.62e+04	1.24	y	43:09	1.17	7.99	-	-	*	Co-elute PCB 162		
PCB-162	3.62e+04	1.24	y	43:09	1.17	7.99	-	-	*	Co-elute PCB 128		
PCB-167	4.17e+04	1.06	y	43:30	1.21	8.49	-	-	*			
13C-PCB-167	6.24e+06	1.25	y	43:30	1.09	1310				85.2	8.12e+05	6.52e+05
PCB-156	6.05e+04	1.08	y	44:45	1.29	12.1	-	-	*			
13C-PCB-156	5.96e+06	1.24	y	44:43	1.03	1330				86.6	8.61e+05	6.94e+05
PCB-157	4.57e+04	1.07	y	44:59	1.24	9.42	-	-	*			
13C-PCB-157	6.01e+06	1.30	y	44:58	1.09	1260				82.0	7.99e+05	6.31e+05
PCB-169	5.06e+04	1.38	y	46:50	1.17	11.7	-	-	*			
13C-PCB-169	5.66e+06	1.25	y	46:50	0.94	1370				89.3	8.61e+05	6.83e+05

FAL ID: 13383-022-0001-SA Filename: 09NOV20Z Sam:9 Acquired: 9-NOV-20 19:49:03 ICal: DAILY209FAL4-11-9-20
Client ID: LDW-Y3-LBS-WORM-BAS ConCal: ST110920Z1 EndCal: ST110920Z2
Results: 13380-21 GC Column: DB1MS Amount: 6.510

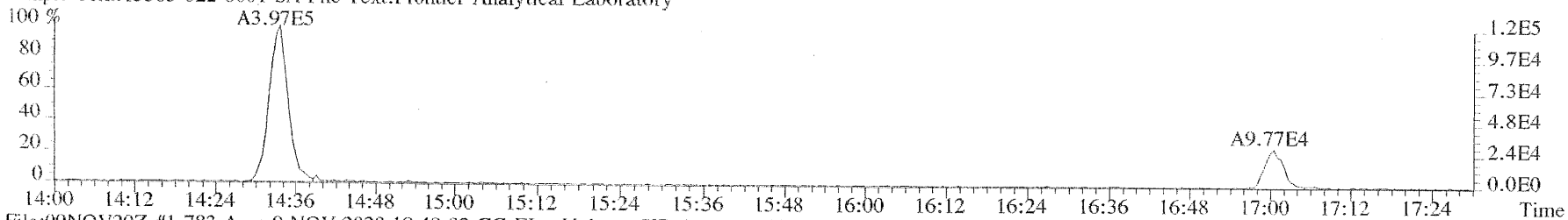
PCB-188	2.41e+04	1.05	y	39:48	1.10	5.89	-	-	*				
13C-PCB-188	5.74e+06	1.07	y	39:48	1.06	1240				80.7	7.45e+05	6.75e+05	
PCB-184	*	*	n	NotFnd	1.31	*	430	387	1.59				
PCB-179	2.28e+04	1.20	y	40:59	1.21	5.72	-	-	*				
PCB-176	*	*	n	NotFnd	1.18	*	430	387	1.77				
PCB-186	*	*	n	NotFnd	1.22	*	430	387	1.71				
PCB-178	*	*	n	NotFnd	0.85	*	430	387	2.46				
PCB-175	*	*	n	NotFnd	0.88	*	430	387	2.38				
PCB-187	6.61e+04	1.18	y	42:54	0.92	21.7	-	-	*		Co-elute PCB 182		
PCB-182	6.61e+04	1.18	y	42:54	0.92	21.7	-	-	*		Co-elute PCB 187		
PCB-183	3.16e+04	1.03	y	43:14	0.95	10.2	-	-	*				
PCB-185	*	*	n	NotFnd	0.85	*	430	387	2.44				
PCB-174	*	*	n	NotFnd	0.82	*	430	387	2.54				
PCB-181	*	*	n	NotFnd	0.90	*	430	387	2.32				
PCB-177	2.20e+04	1.15	y	44:28	0.79	8.53	-	-	*				
PCB-171	*	*	n	NotFnd	0.82	*	430	387	2.53				
PCB-173	*	*	n	NotFnd	0.77	*	430	387	2.69				
PCB-172	*	*	n	NotFnd	0.77	*	430	387	2.69				
PCB-192	*	*	n	NotFnd	1.01	*	430	387	2.06				
PCB-180	4.86e+04	1.16	y	45:52	0.83	17.7	-	-	*				
PCB-193	*	*	n	NotFnd	1.07	*	430	387	1.95				
PCB-191	*	*	n	NotFnd	1.04	*	430	387	2.00				
PCB-170	3.12e+04	0.95	y	47:09	0.74	12.9	-	-	*				
PCB-190	*	*	n	NotFnd	0.97	*	430	387	2.15				
PCB-189	2.90e+04	1.00	y	48:30	1.08	9.45	-	-	*				
13C-PCB-189	4.36e+06	1.11	y	48:28	0.81	1230				80.2	8.60e+05	7.80e+05	
PCB-202	2.73e+04	0.76	y	44:54	1.07	9.47	-	-	*				
PCB-201	*	*	n	NotFnd	1.14	*	310	351	1.97				
PCB-204	*	*	n	NotFnd	1.14	*	310	351	1.97				
PCB-197	*	*	n	NotFnd	1.15	*	310	351	1.95				
PCB-200	*	*	n	NotFnd	1.10	*	310	351	2.03				
PCB-198	*	*	n	NotFnd	0.77	*	310	351	2.91				
PCB-199	1.59e+04	0.98	y	47:46	0.80	7.40	-	-	*				
PCB-203	1.49e+04	0.82	y	48:00	0.87	6.38	-	-	*		Co-elute PCB 196		
PCB-196	1.49e+04	0.82	y	48:00	0.87	6.38	-	-	*		Co-elute PCB 203		
13C-PCB-202	4.12e+06	0.92	y	44:54	0.80	1180				76.6	5.52e+05	5.81e+05	
13C-PCB-178	3.73e+06	1.08	y	42:26	0.75	1140				74.2	4.86e+05	4.58e+05	
13C-PCB-138	6.71e+06	1.32	y	41:39	-	3.01							
PCB-195	*	*	n	NotFnd	1.00	*	468	940	2.28				
PCB-194	1.43e+04	0.81	y	49:53	1.05	3.61	-	-	*				
PCB-205	3.99e+04	0.88	y	50:08	1.20	8.85	-	-	*				
13C-PCB-205	5.79e+06	0.90	y	50:07	1.12	1390				90.3	1.13e+06	1.25e+06	
PCB-208	2.75e+04	1.28	y	49:13	1.08	6.62	-	-	*				
13C-PCB-208	5.89e+06	0.82	y	49:12	1.19	1330				86.6	1.05e+06	1.28e+06	
PCB-207	*	*	n	NotFnd	1.31	*	332	740	1.73				
PCB-206	2.45e+04	1.20	y	51:20	1.13	8.86	-	-	*				
13C-PCB-206	3.77e+06	0.81	y	51:19	0.80	1260				81.9	5.89e+05	7.60e+05	
PCB-209	2.18e+04	1.27	y	52:31	1.20	7.17	-	-	*				
13C-PCB-209	3.89e+06	1.21	y	52:30	0.88	1190				77.4	7.79e+05	6.41e+05	
13C-PCB-194	5.72e+06	0.89	y	49:52	-	2.93							

Analyst: _____ Date: 11/10/21

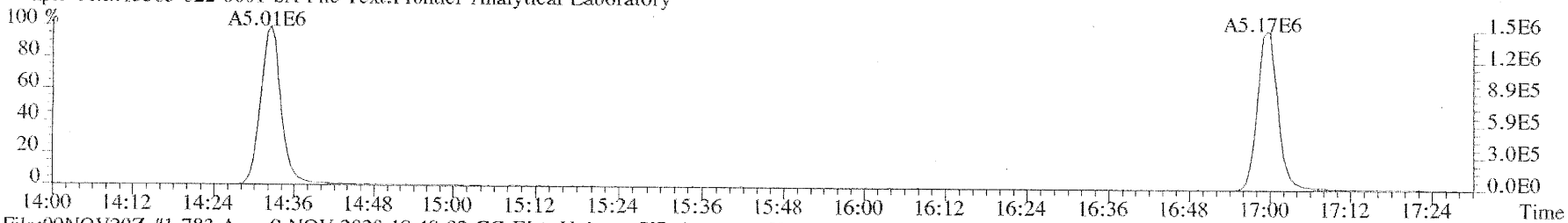
File:09NOV20Z #1-783 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



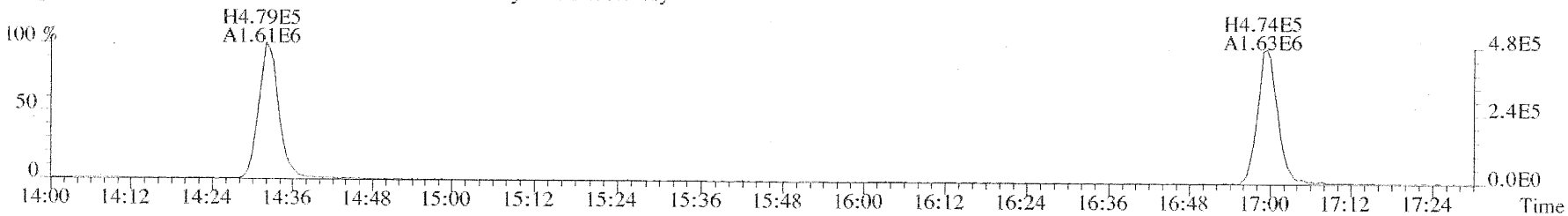
File:09NOV20Z #1-783 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



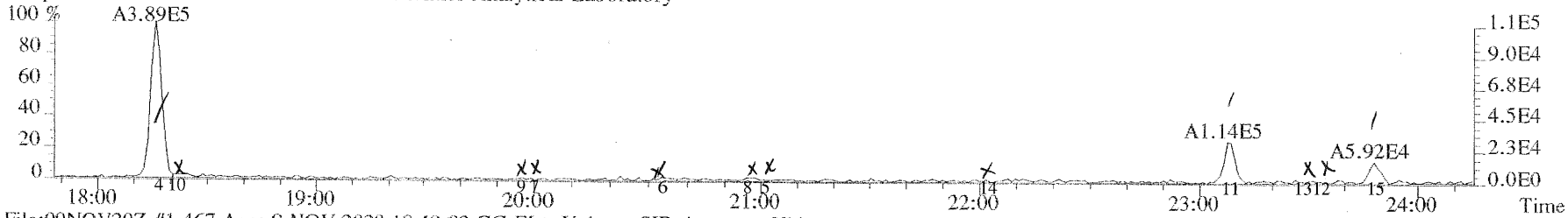
File:09NOV20Z #1-783 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



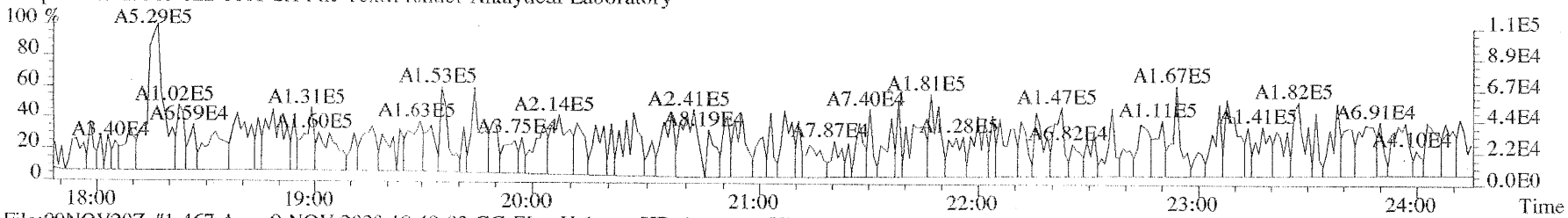
File:09NOV20Z #1-783 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:9 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



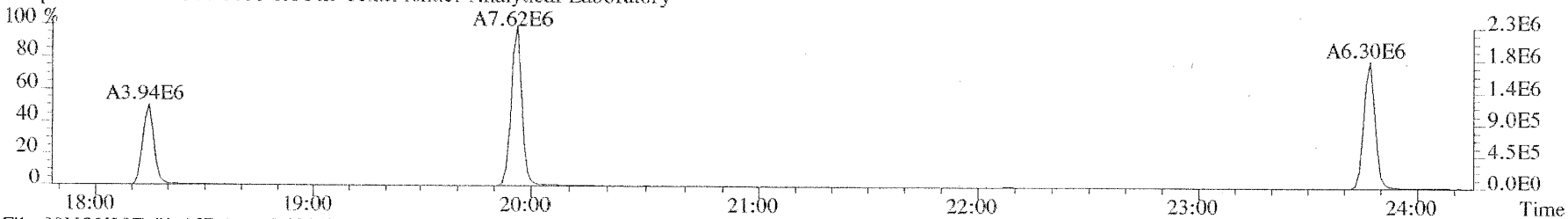
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



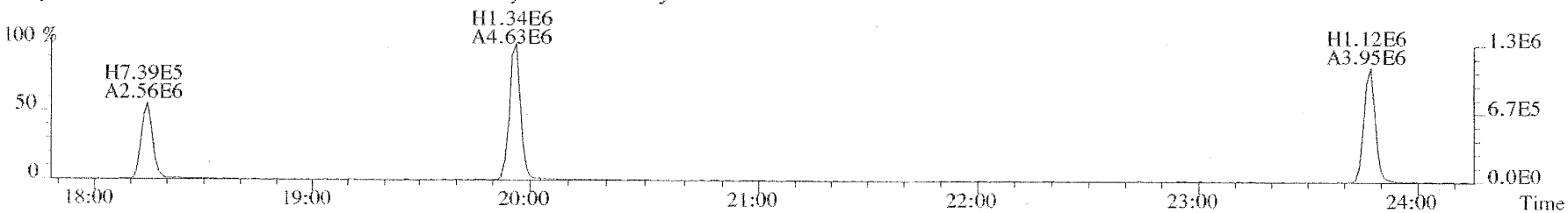
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



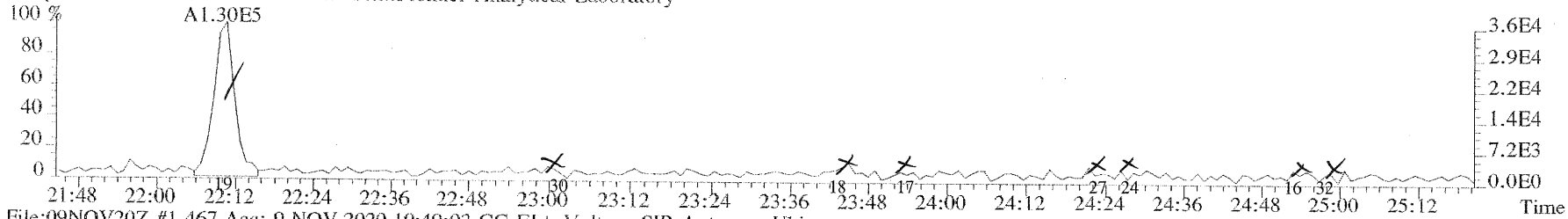
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



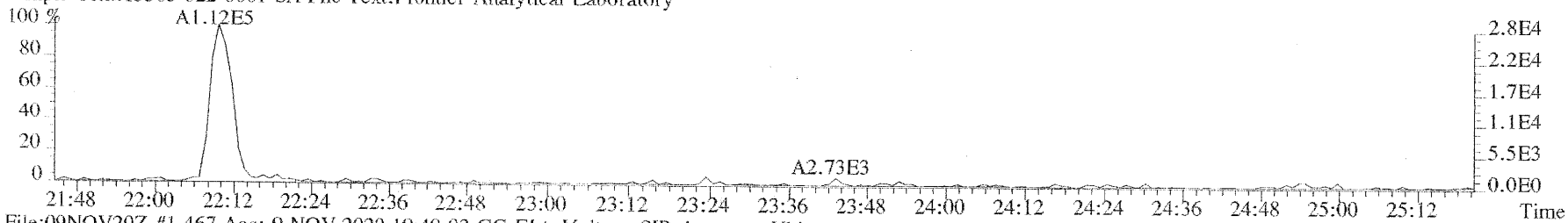
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:9 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



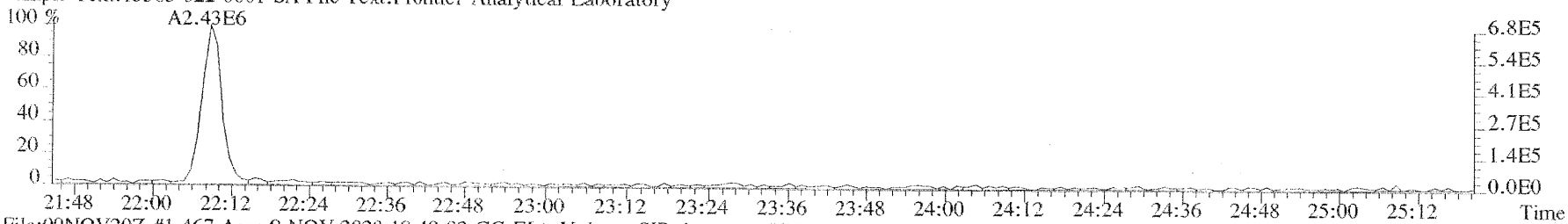
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



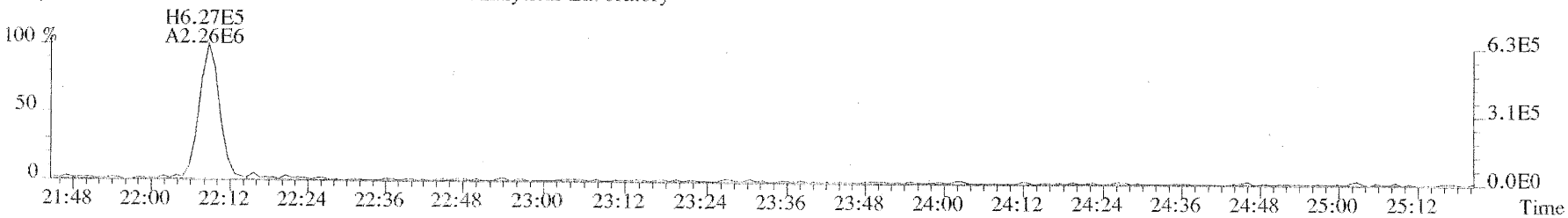
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



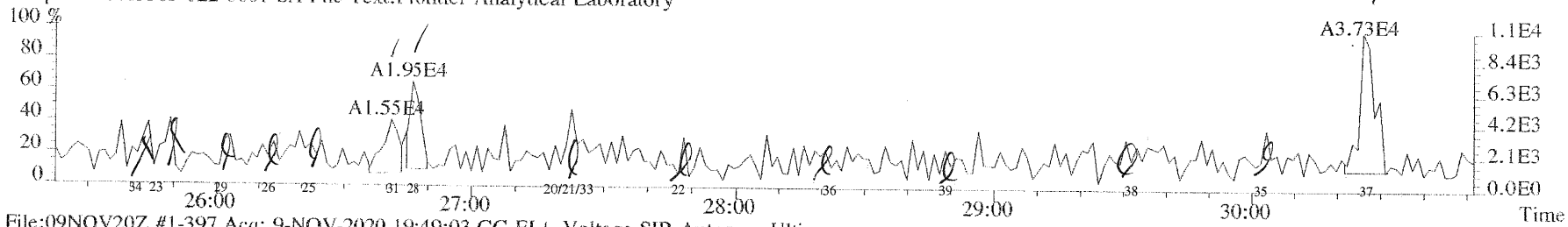
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



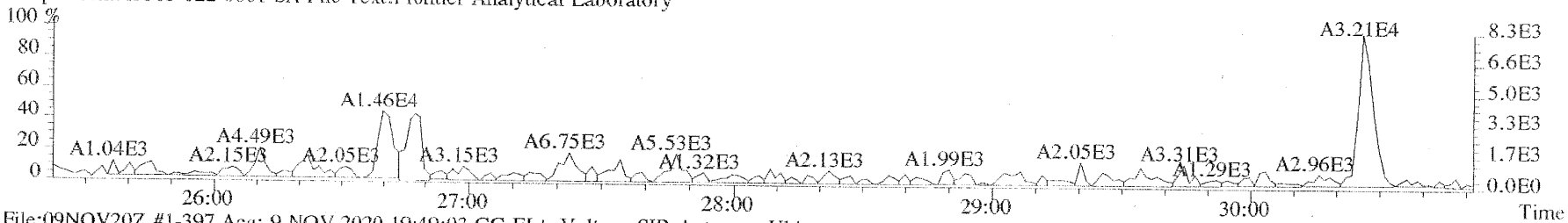
File:09NOV20Z #1-467 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



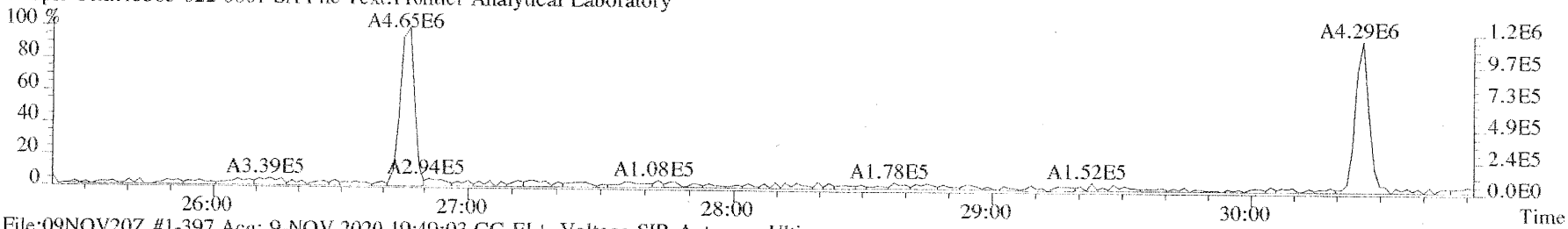
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



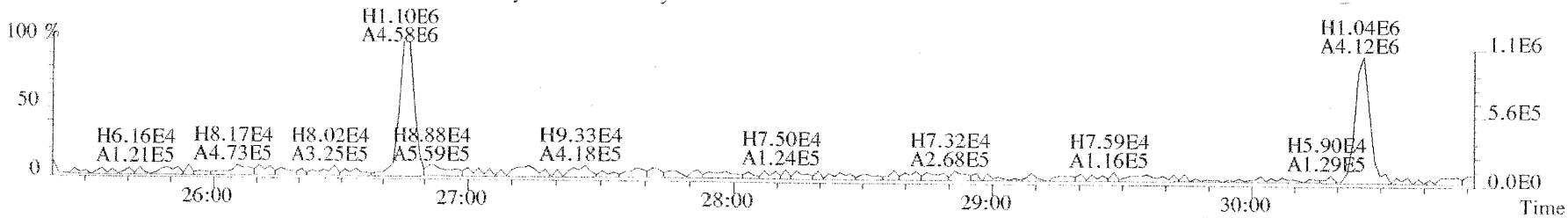
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



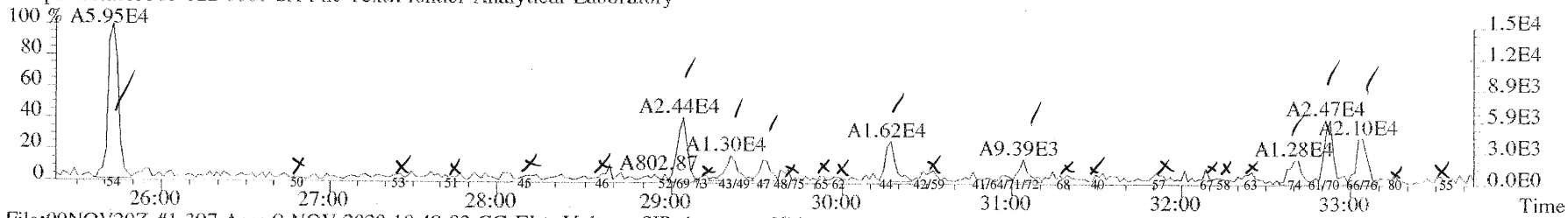
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



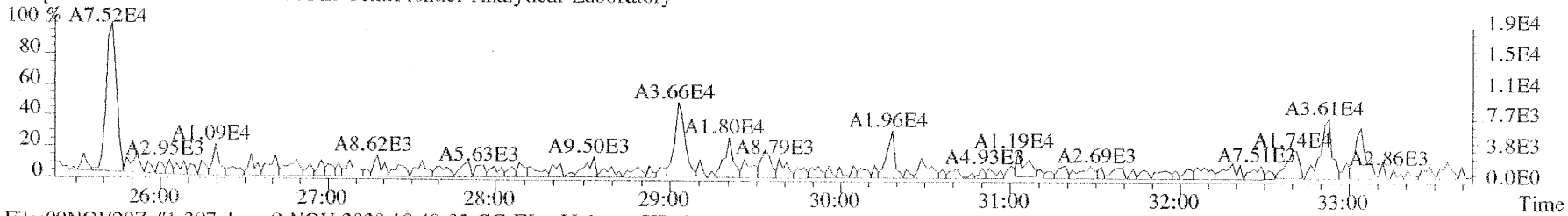
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



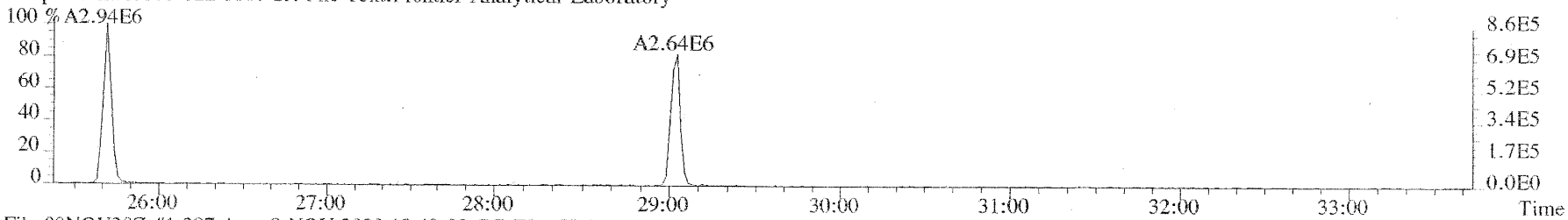
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



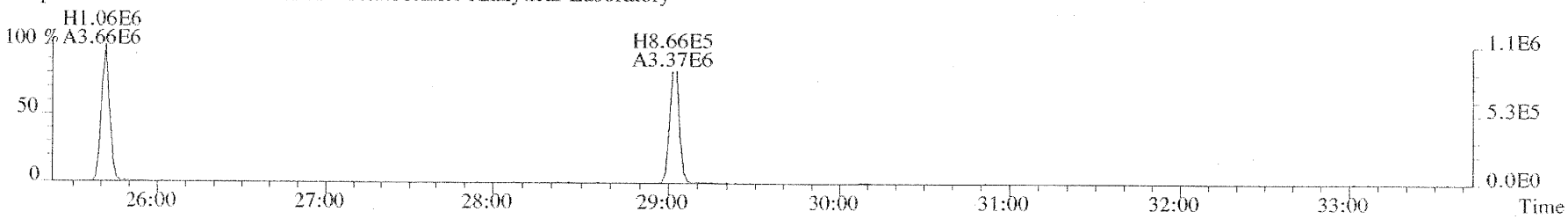
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



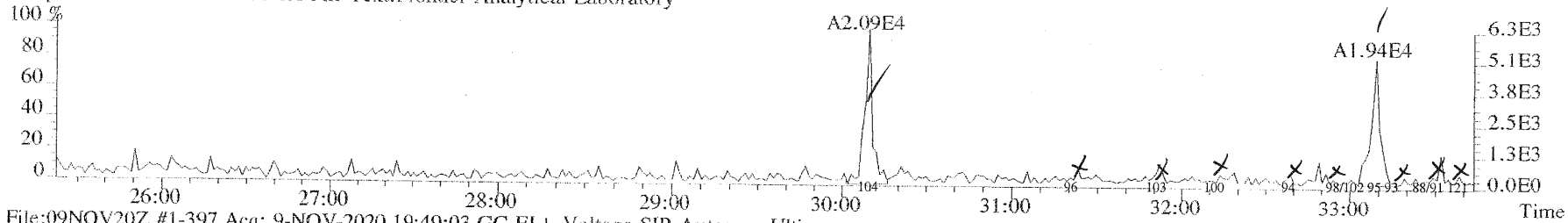
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



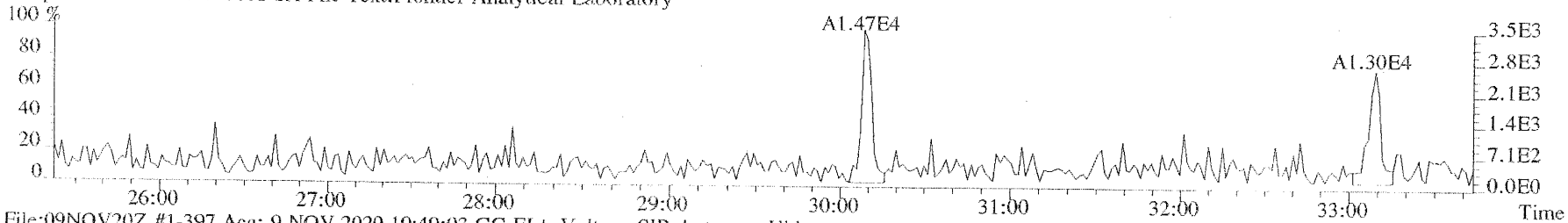
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



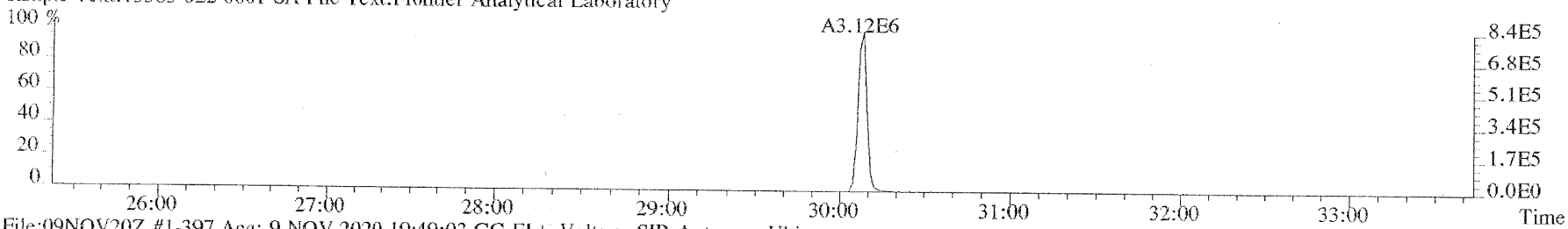
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



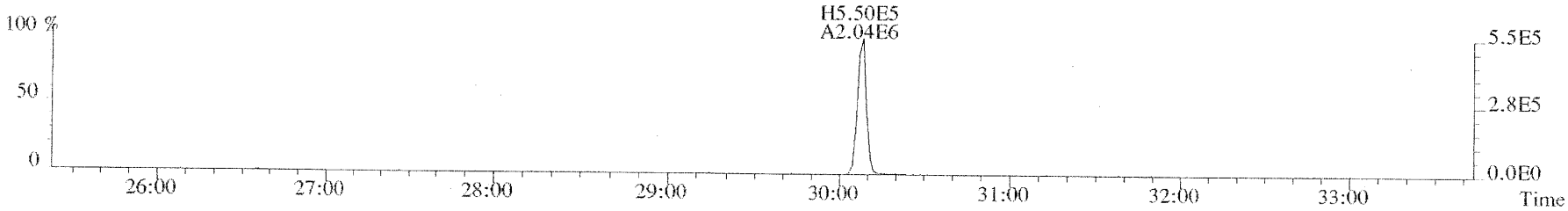
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



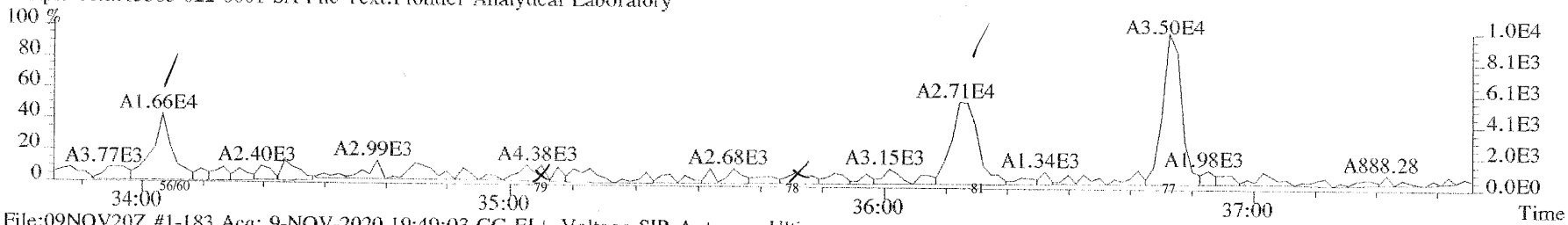
File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-397 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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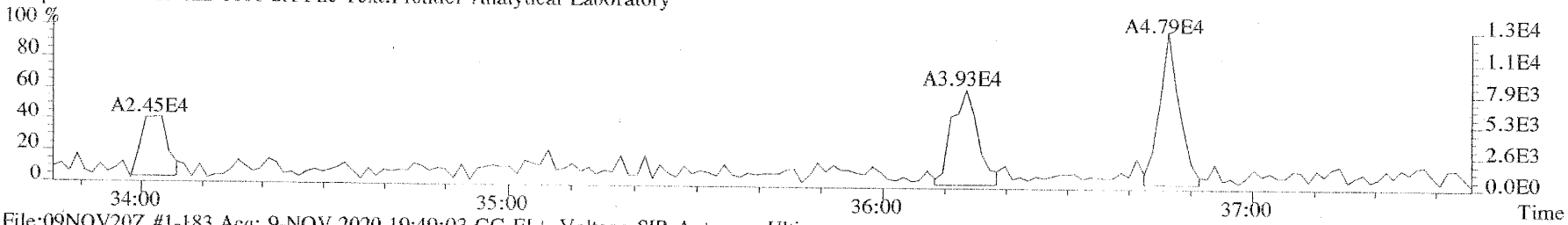
291.9194 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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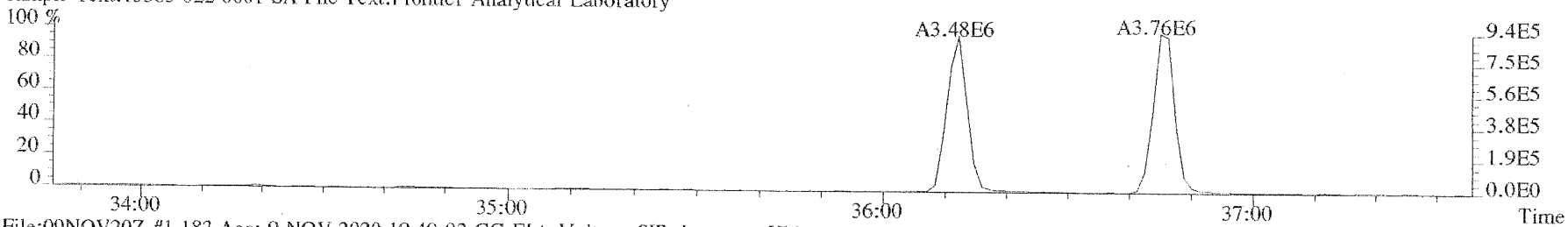
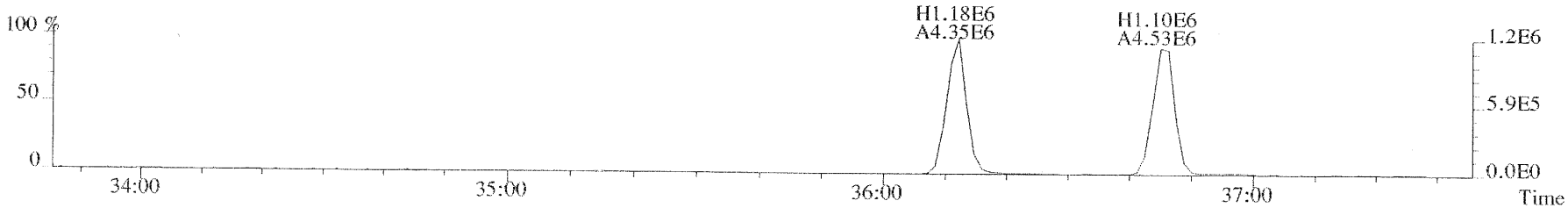
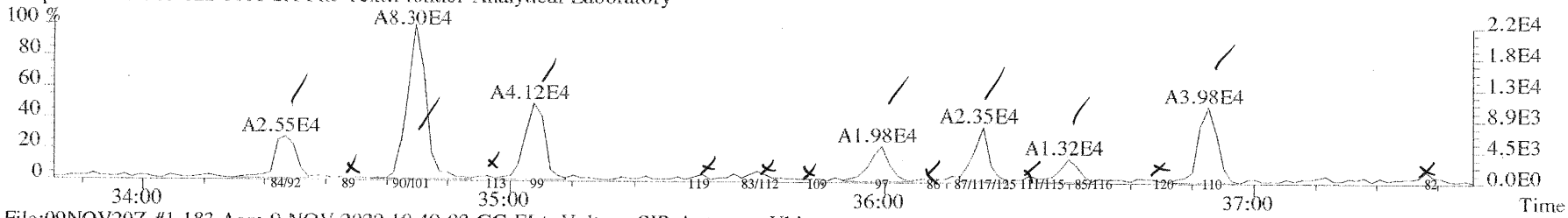
301.9626 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



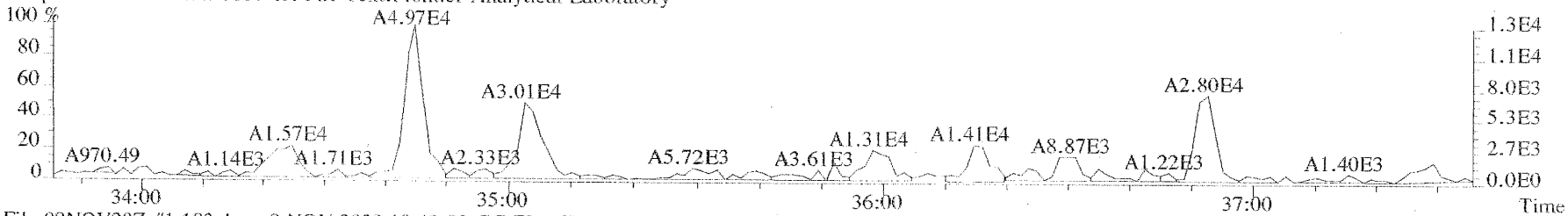
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



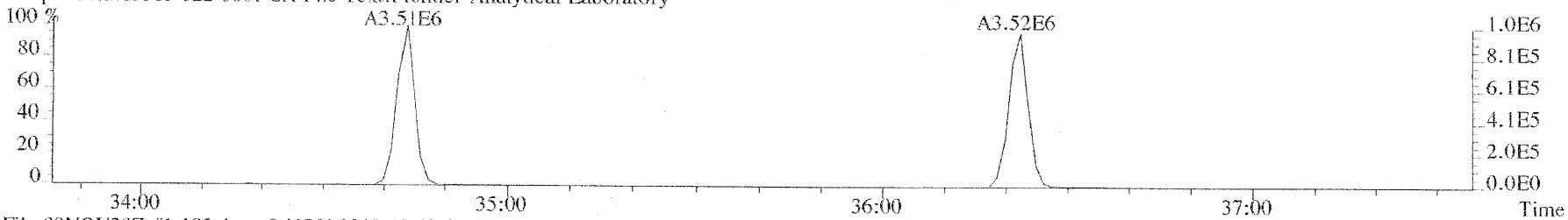
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



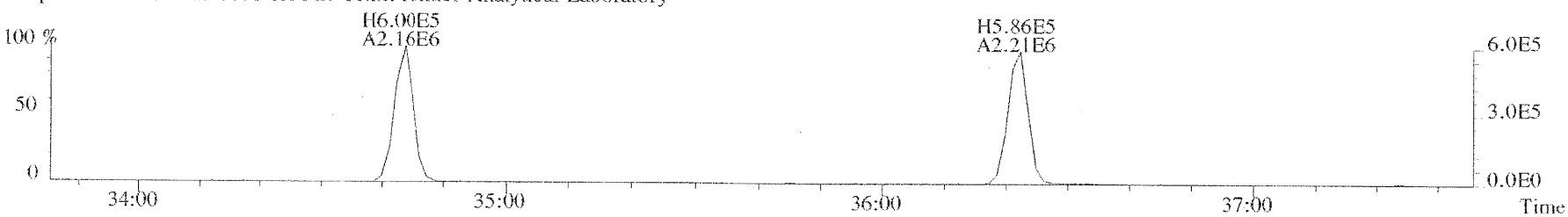
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



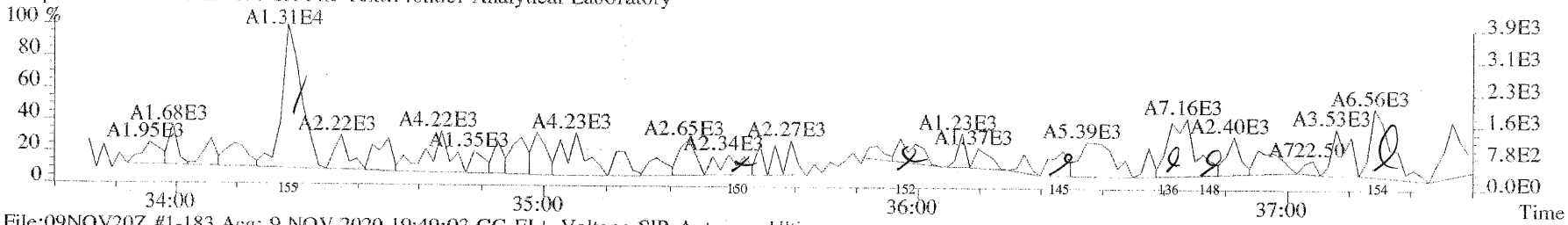
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



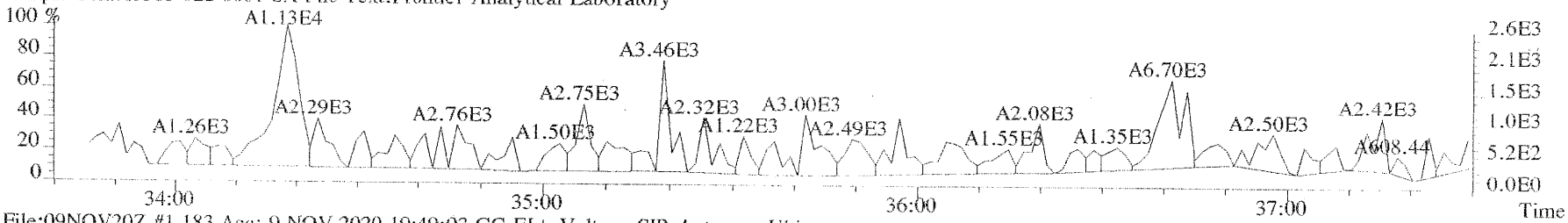
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:4 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



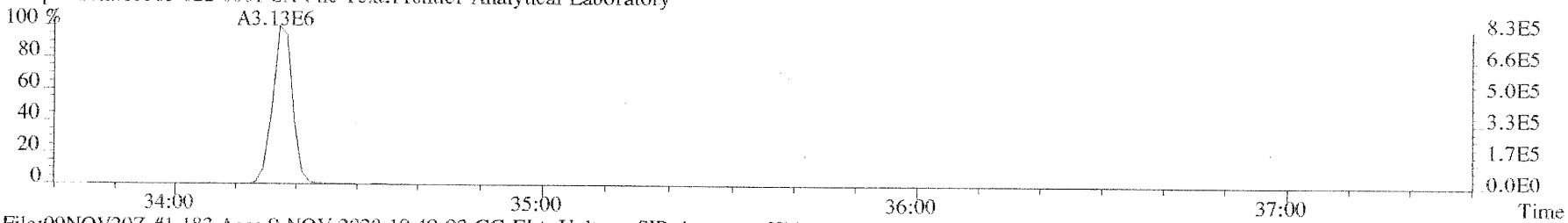
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



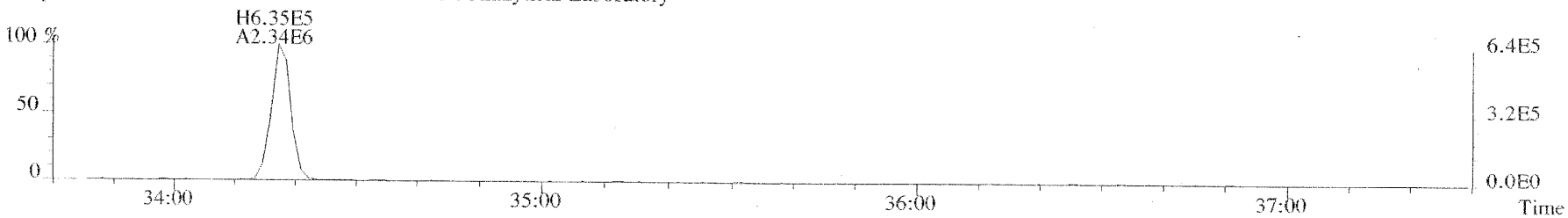
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



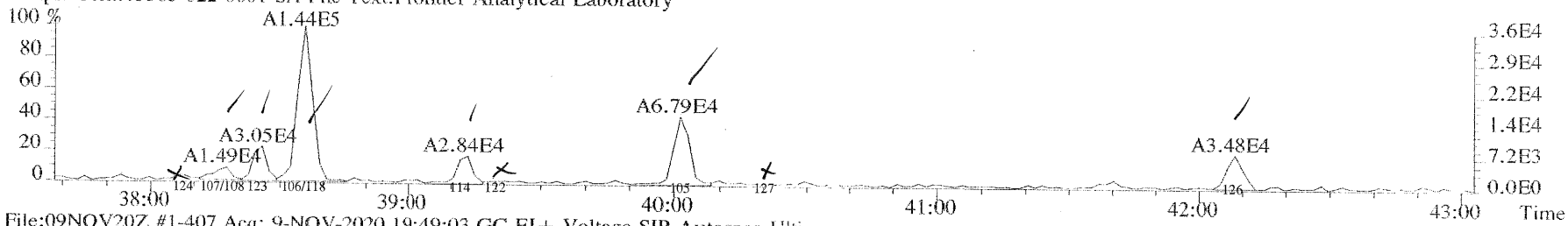
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



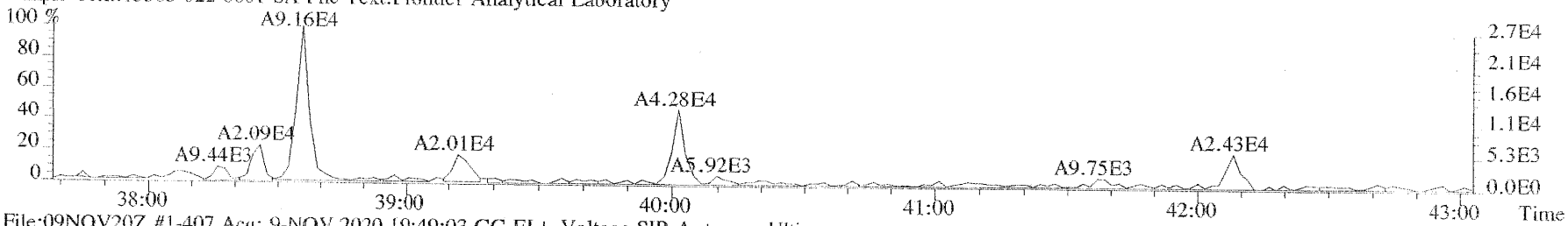
File:09NOV20Z #1-183 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



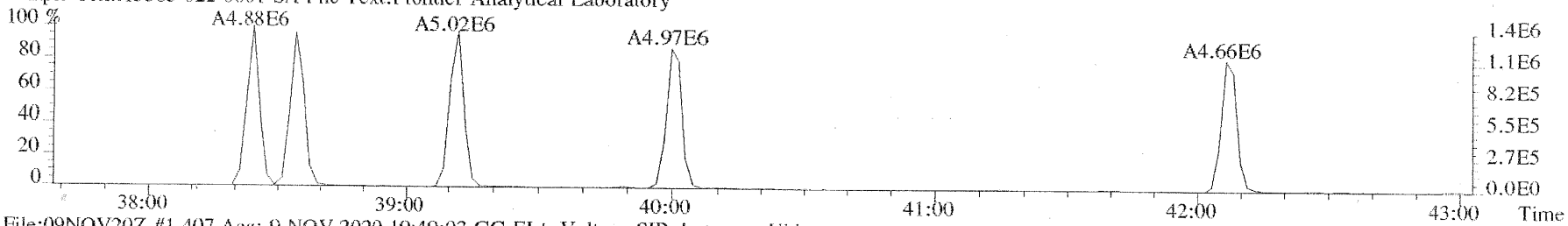
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



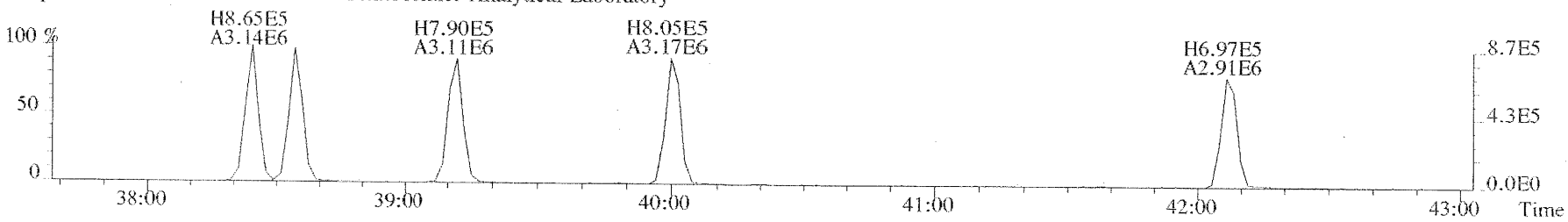
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



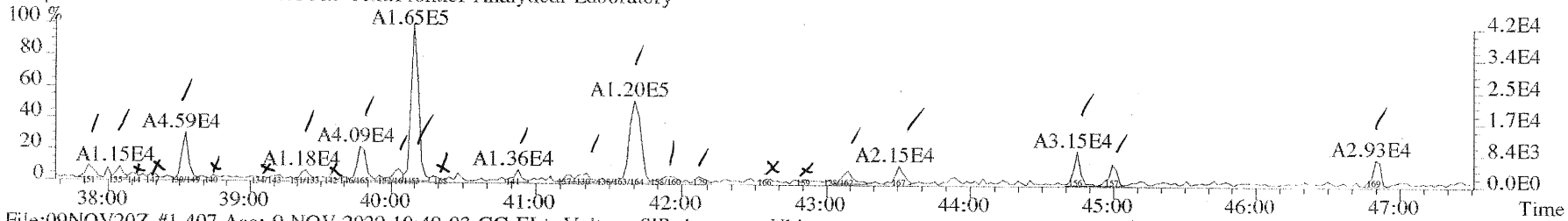
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



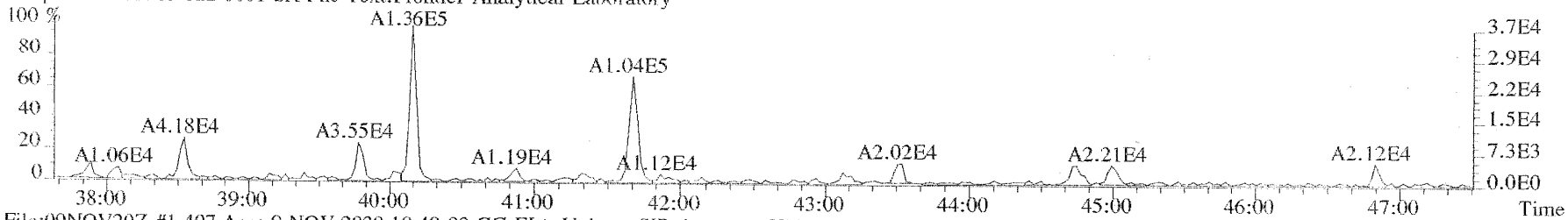
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



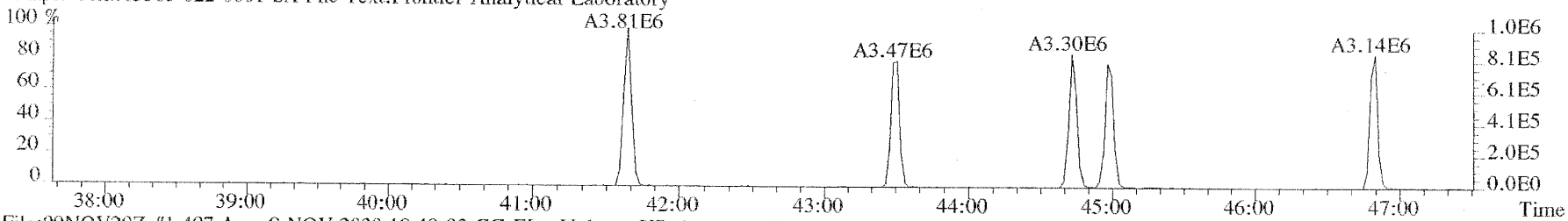
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



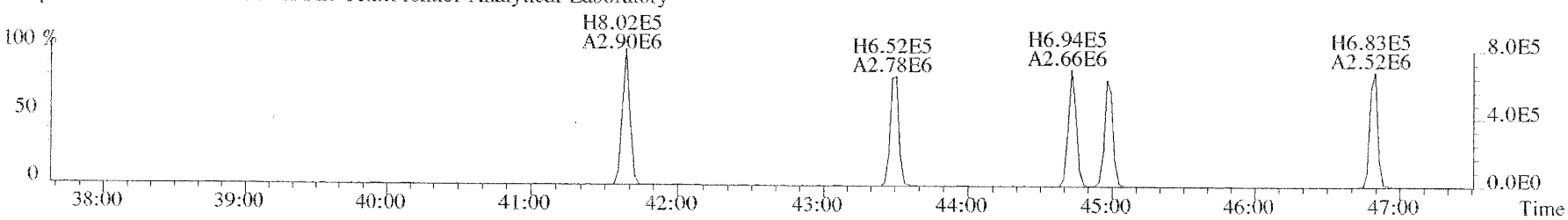
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



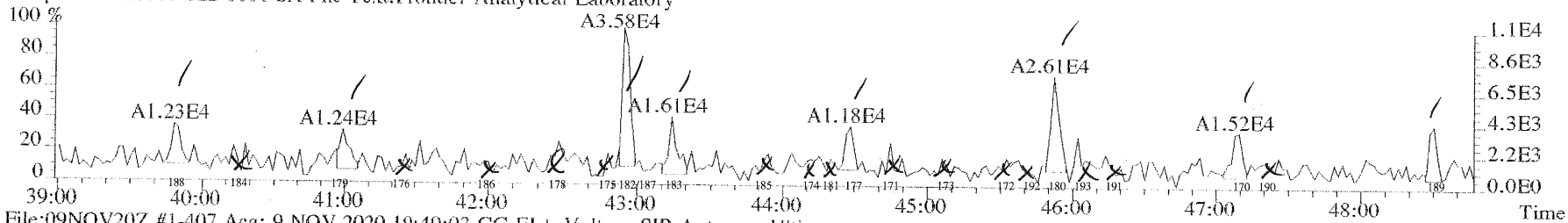
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



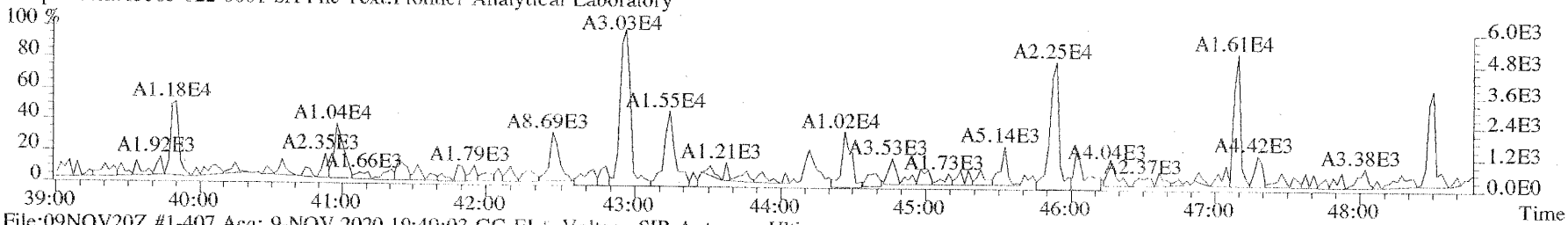
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



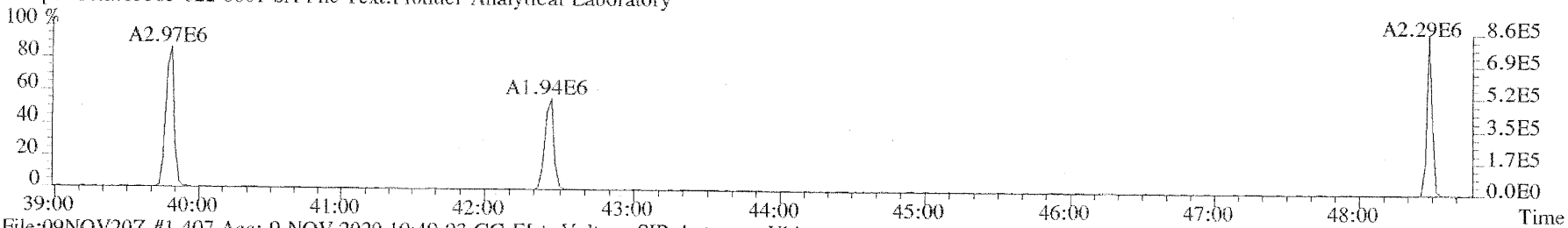
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



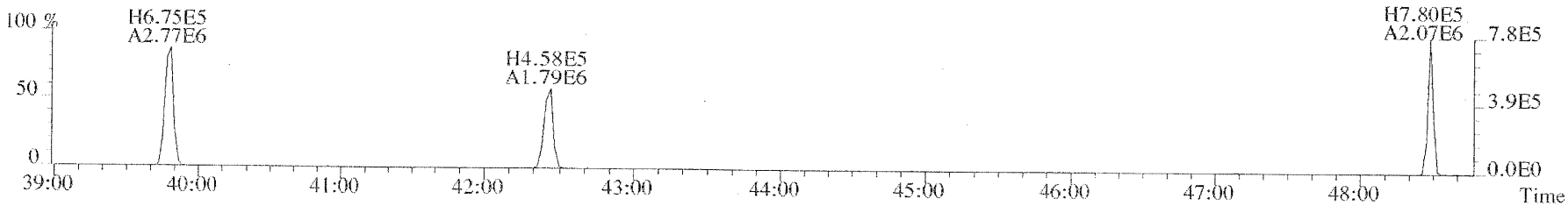
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



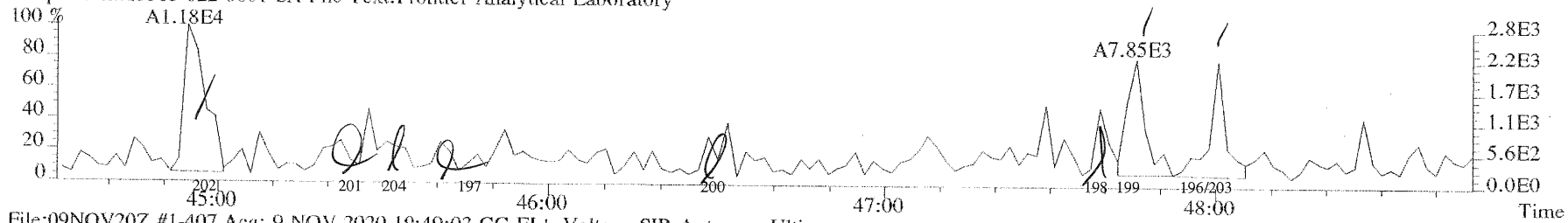
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



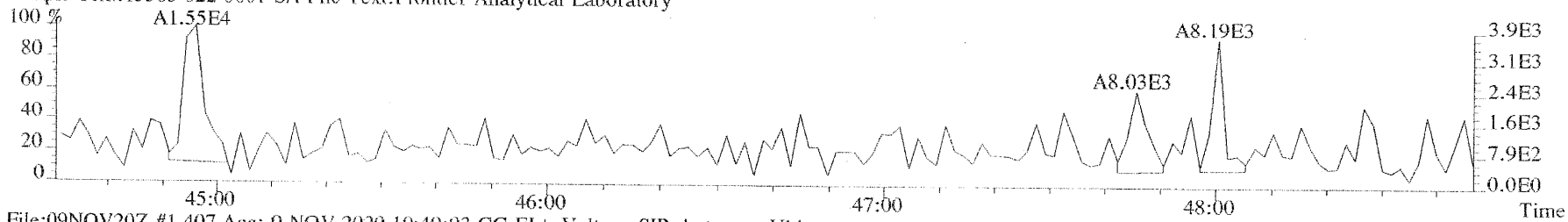
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



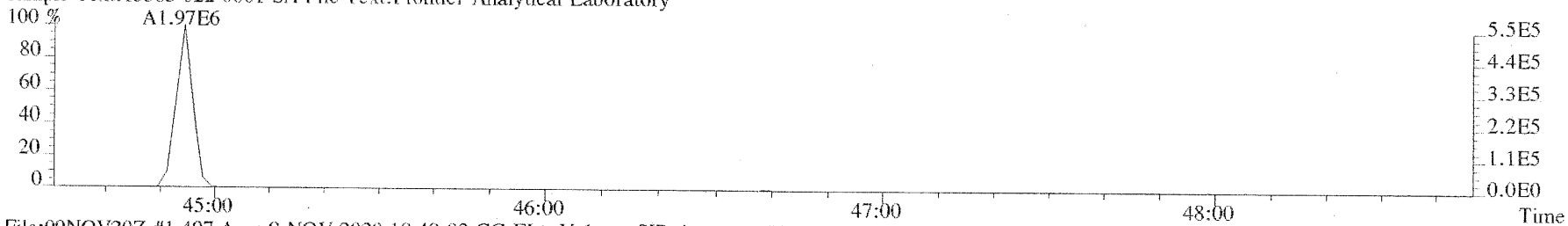
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



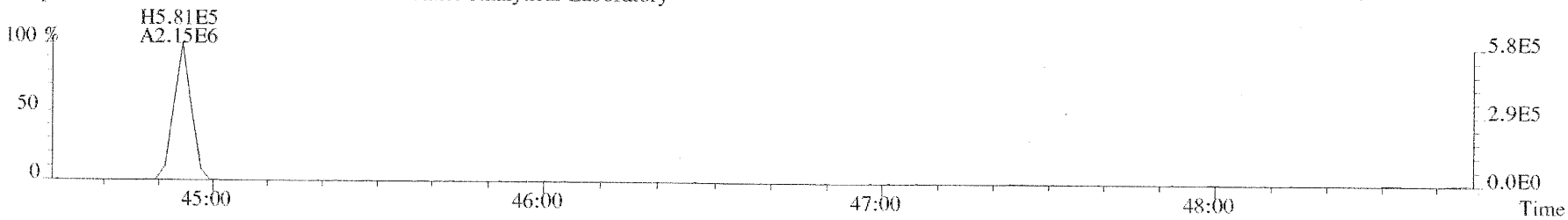
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



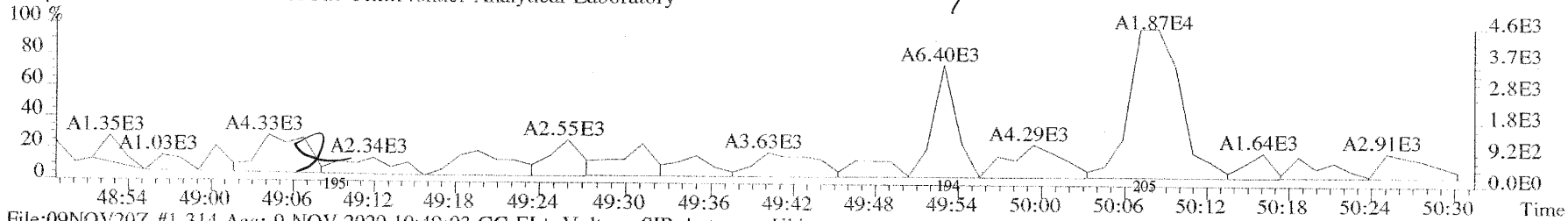
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



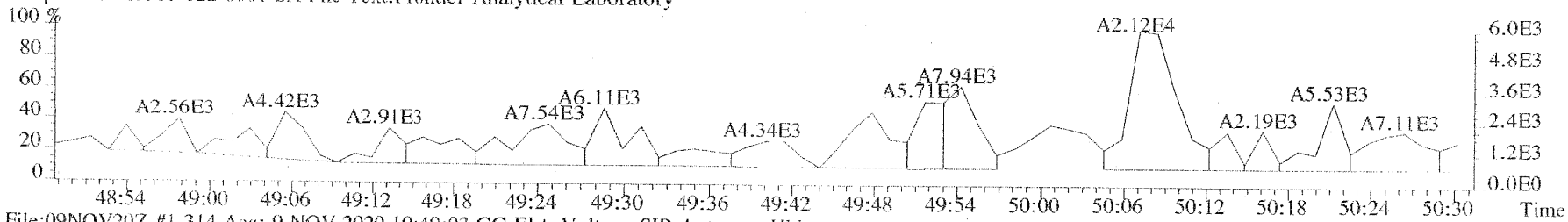
File:09NOV20Z #1-407 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:9 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



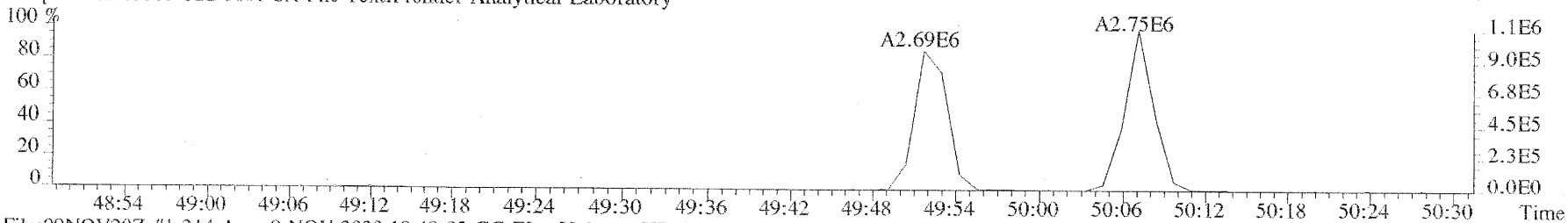
File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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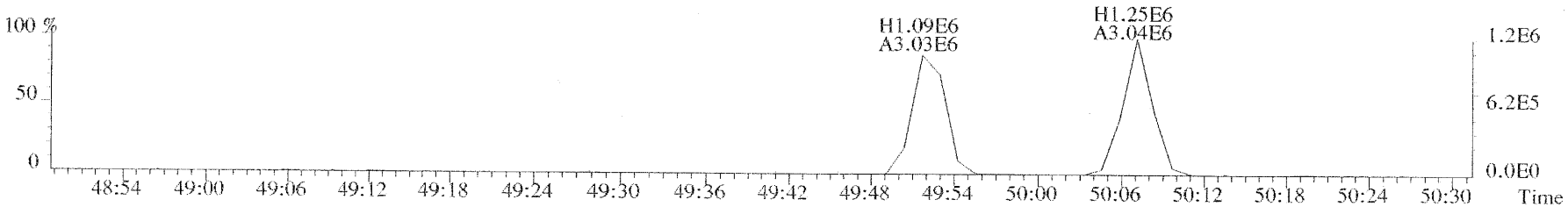
441.8008 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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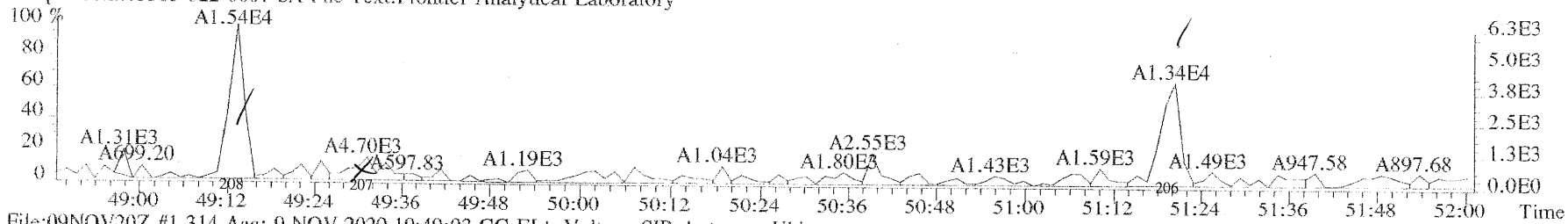
463.7216 S:9 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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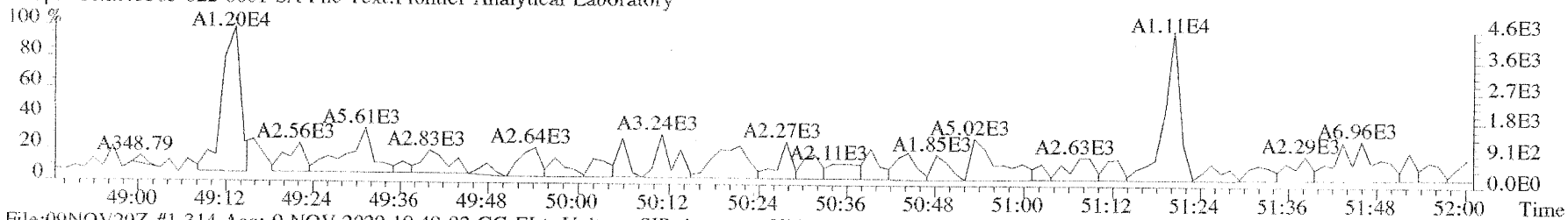
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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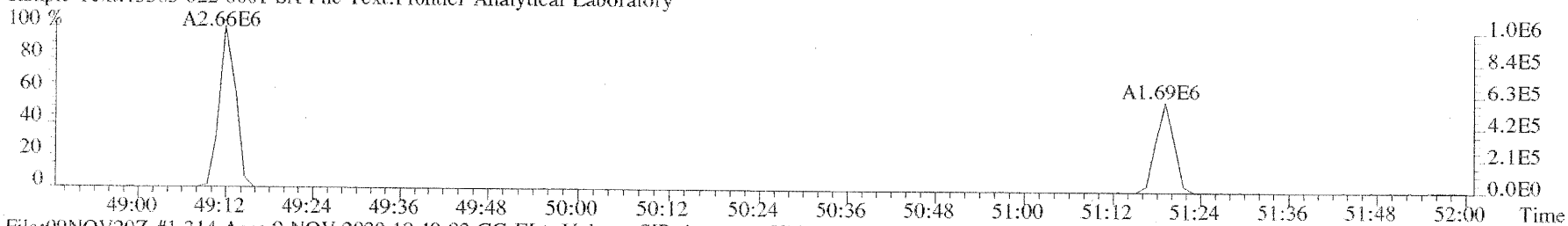
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
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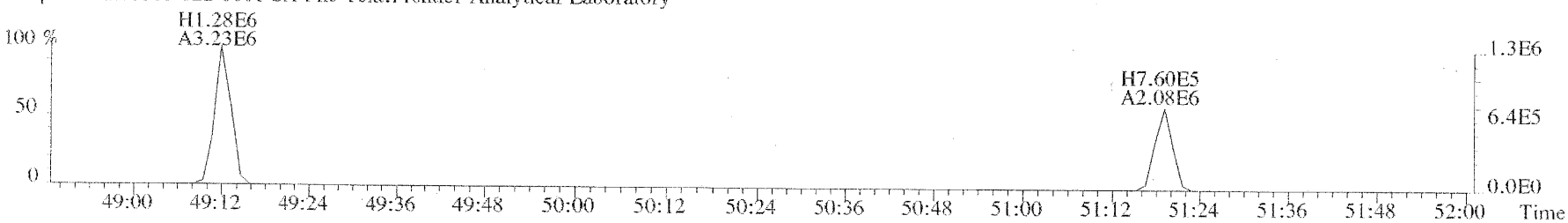
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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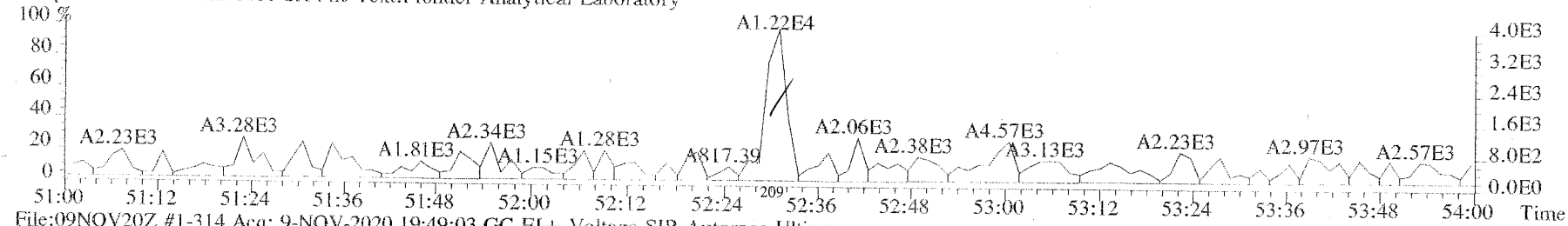
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



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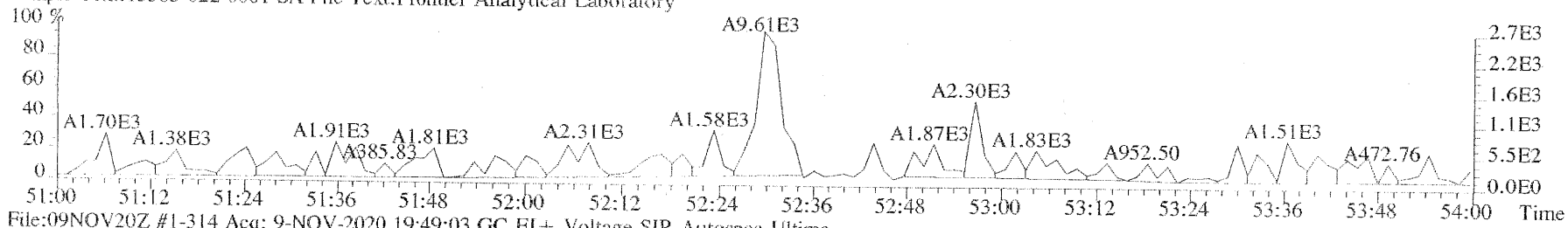
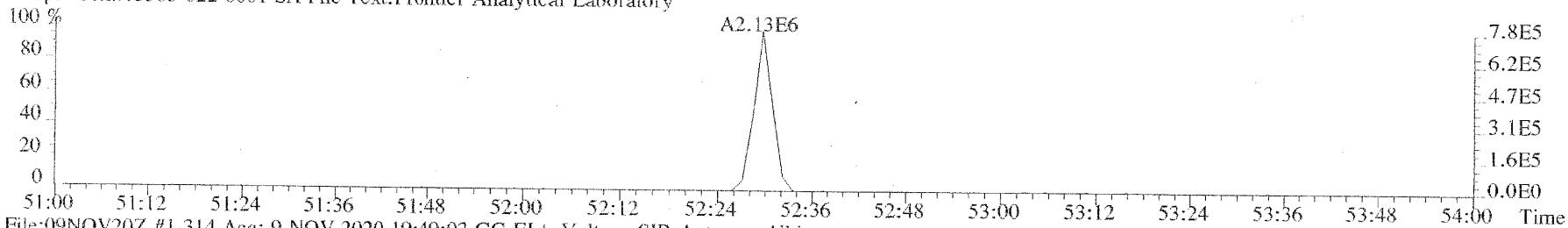
499.6797 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:9 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



File:09NOV20Z #1-314 Acq: 9-NOV-2020 19:49:03 GC EI+ Voltage SIR Autospec-Ultima
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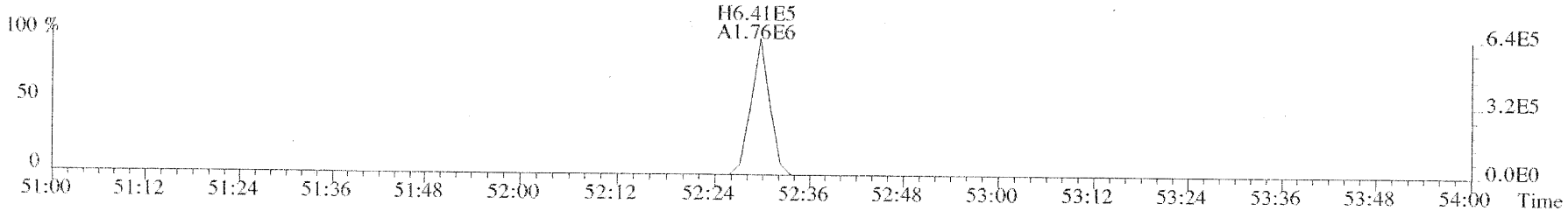
Sample Text:13383-022-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Data Filename: 22JUL20Z

Analyte: 1668PCBFAL4-7-22-20 Cal: 1668PCBFAL4-7-22-20

Name	RRF	S. D.	%RSD	S1 RRF#1	S2 RRF#2	S3 RRF#3	S4 RRF#4	S5 RRF#5	S6 RRF#6
PCB-1	1.21	0.0906	7.48 %	1.38	1.24	1.18	1.15	1.14	1.17
13C-PCB-1	0.90	0.0253	2.82 %	0.89	0.87	0.90	0.90	0.95	0.88
PCB-3	1.23	0.0885	7.19 %	1.38	1.28	1.21	1.17	1.19	1.15
13C-PCB-3	0.93	0.0266	2.86 %	0.93	0.89	0.93	0.92	0.96	0.95
PCB-4	1.14	0.153	13.4 %	1.42	1.20	1.12	1.03	1.05	1.02
13C-PCB-4	0.66	0.0127	1.92 %	0.65	0.64	0.66	0.66	0.68	0.67
PCB-15	1.09	0.0888	8.13 %	1.24	1.15	1.10	1.02	1.02	1.02
13C-PCB-15	1.09	0.0329	3.03 %	1.07	1.09	1.04	1.07	1.11	1.14
PCB-19	1.21	0.0859	7.10 %	1.38	1.22	1.21	1.15	1.16	1.16
13C-PCB-19	0.50	0.0118	2.35 %	0.49	0.52	0.49	0.51	0.52	0.50
13C-PCB-9	-	-	- %	-	-	-	-	-	-
PCB-37	1.14	0.0725	6.34 %	1.28	1.16	1.13	1.06	1.12	1.12
13C-PCB-37	1.64	0.0733	4.47 %	1.74	1.67	1.56	1.68	1.65	1.55
PCB-54	1.18	0.0449	3.79 %	1.24	1.23	1.18	1.18	1.17	1.11
13C-PCB-54	1.26	0.0314	2.49 %	1.29	1.24	1.23	1.29	1.29	1.24
PCB-104	1.12	0.0554	4.97 %	1.10	1.20	1.16	1.09	1.12	1.03
13C-PCB-104	1.02	0.0354	3.47 %	1.08	1.01	0.98	1.02	1.04	0.99
13C-PCB-28	1.73	0.0728	4.20 %	1.85	1.76	1.71	1.75	1.68	1.65
13C-PCB-52	-	-	- %	-	-	-	-	-	-
PCB-81	1.13	0.0617	5.45 %	1.21	1.17	1.16	1.10	1.13	1.03
13C-PCB-81	1.57	0.0793	5.05 %	1.54	1.53	1.53	1.52	1.58	1.73
PCB-77	1.10	0.0617	5.61 %	1.19	1.13	1.12	1.07	1.08	1.01
13C-PCB-77	1.61	0.0829	5.14 %	1.58	1.57	1.59	1.54	1.63	1.77
PCB-155	1.13	0.0489	4.31 %	1.21	1.17	1.14	1.09	1.12	1.08
13C-PCB-155	1.10	0.0325	2.95 %	1.05	1.13	1.11	1.13	1.09	1.11
13C-PCB-111	1.27	0.0191	1.51 %	1.25	1.28	1.30	1.26	1.28	1.25
13C-PCB-101	-	-	- %	-	-	-	-	-	-
PCB-123	1.11	0.0424	3.82 %	1.18	1.14	1.08	1.09	1.09	1.07
13C-PCB-123	1.28	0.0404	3.15 %	1.31	1.24	1.30	1.25	1.35	1.25
PCB-118	1.12	0.0635	5.66 %	1.21	1.17	1.15	1.07	1.07	1.06
13C-PCB-118	1.35	0.0382	2.82 %	1.36	1.32	1.32	1.35	1.42	1.35
PCB-114	1.13	0.0470	4.16 %	1.18	1.17	1.16	1.08	1.08	1.09
13C-PCB-114	1.29	0.0386	2.98 %	1.30	1.30	1.24	1.28	1.36	1.29
PCB-105	1.10	0.0683	6.19 %	1.24	1.09	1.10	1.07	1.06	1.07
13C-PCB-105	1.28	0.0298	2.32 %	1.32	1.30	1.28	1.25	1.25	1.29
PCB-126	1.08	0.0278	2.57 %	1.11	1.10	1.10	1.08	1.09	1.03
13C-PCB-126	1.23	0.0921	7.48 %	1.15	1.23	1.24	1.13	1.27	1.38
PCB-167	1.11	0.0641	5.78 %	1.20	1.16	1.12	1.07	1.06	1.03
13C-PCB-167	1.23	0.0588	4.79 %	1.18	1.21	1.21	1.18	1.28	1.32
PCB-156	1.13	0.0540	4.80 %	1.20	1.17	1.14	1.09	1.09	1.07
13C-PCB-156	1.19	0.0597	5.02 %	1.14	1.17	1.13	1.16	1.26	1.27
PCB-157	1.08	0.0406	3.75 %	1.15	1.08	1.11	1.06	1.05	1.04
13C-PCB-157	1.21	0.0764	6.29 %	1.14	1.19	1.16	1.17	1.28	1.34
PCB-169	1.08	0.0377	3.50 %	1.12	1.10	1.09	1.08	1.05	1.02
13C-PCB-169	1.17	0.104	8.90 %	1.07	1.15	1.10	1.12	1.23	1.35
PCB-188	1.10	0.0468	4.26 %	1.11	1.13	1.15	1.09	1.11	1.01
13C-PCB-188	1.13	0.0217	1.93 %	1.14	1.10	1.13	1.10	1.14	1.15
PCB-189	1.07	0.0736	6.88 %	1.16	1.08	1.09	1.07	1.07	0.94
13C-PCB-189	0.97	0.0907	9.40 %	0.86	0.94	0.93	0.94	0.99	1.13
PCB-202	1.03	0.0801	7.78 %	1.14	1.09	1.03	1.02	0.99	0.91
13C-PCB-202	0.96	0.0503	5.26 %	0.86	0.98	0.94	0.98	1.00	0.98
13C-PCB-178	0.78	0.0334	4.31 %	0.71	0.80	0.78	0.76	0.79	0.81
13C-PCB-138	-	-	- %	-	-	-	-	-	-

PCB-205	1.09	0.0892	8.22 %	1.20	1.13	1.12	1.07	1.06	0.93
13C-PCB-205	1.32	0.0588	4.47 %	1.31	1.28	1.25	1.29	1.35	1.42
PCB-208	1.01	0.0633	6.28 %	1.09	1.03	1.04	1.00	0.99	0.90
13C-PCB-208	1.38	0.0358	2.61 %	1.43	1.34	1.34	1.39	1.40	1.35
PCB-206	1.04	0.0680	6.54 %	1.09	1.09	1.07	1.04	1.04	0.91
13C-PCB-206	0.94	0.0476	5.08 %	0.99	0.91	0.89	0.89	0.95	1.00
PCB-209	1.13	0.117	10.4 %	1.31	1.11	1.17	1.11	1.12	0.95
13C-PCB-209	1.10	0.0679	6.16 %	0.99	1.10	1.11	1.09	1.15	1.19
13C-PCB-194	-	-	- %	-	-	-	-	-	-

Analyst: [illegible] Date: 7/28/01

Run #1 Filename 22JUL20Z S: 1 Acquired: 22-JUL-20 08:04:10 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z0 Analyte: FAL ID: 1668 CS099 R181022A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	0.20	3.45e+05	3.04	y	14:32	-	1.38	y
2	IS/RT	13C-PCB-1	100.00	1.25e+08	3.19	y	14:30	-	0.889	y
3	Unk	PCB-3	0.20	3.59e+05	3.03	y	16:57	-	1.38	y
4	IS/RT	13C-PCB-3	100.00	1.30e+08	3.27	y	16:56	-	0.925	y
5	Unk	PCB-4	0.20	2.61e+05	1.34	y	18:12	-	1.42	y
6	IS/RT	13C-PCB-4	100.00	9.17e+07	1.57	y	18:10	-	0.654	y
7	Unk	PCB-15	0.20	3.72e+05	1.41	y	23:42	-	1.24	y
8	IS/RT	13C-PCB-15	100.00	1.50e+08	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	0.20	1.91e+05	1.11	y	22:05	-	1.38	y
10	IS/RT	13C-PCB-19	100.00	6.93e+07	1.07	y	22:03	-	0.494	y
11	RS	13C-PCB-9	100.00	1.40e+08	1.60	y	19:51	1.40e+06	-	n
12	Unk	PCB-37	0.20	3.10e+05	1.07	y	30:20	-	1.28	y
13	IS	13C-PCB-37	100.00	1.21e+08	1.07	y	30:18	-	1.74	y
14	Unk	PCB-54	0.20	2.23e+05	0.71	y	25:36	-	1.24	y
15	IS/RT	13C-PCB-54	100.00	9.01e+07	0.79	y	25:35	-	1.29	y
16	Unk	PCB-104	0.20	1.65e+05	1.65	y	30:03	-	1.10	y
17	IS	13C-PCB-104	100.00	7.51e+07	1.60	y	30:01	-	1.08	y
18	C/Up	13C-PCB-28	100.00	1.29e+08	1.05	y	26:38	-	1.85	y
19	RS	13C-PCB-52	100.00	6.97e+07	0.78	y	28:56	6.97e+05	-	n
20	Unk	PCB-81	0.20	2.43e+05	0.79	y	36:06	-	1.21	y
21	IS	13C-PCB-81	100.00	1.01e+08	0.80	y	36:05	-	1.54	y
22	Unk	PCB-77	0.20	2.45e+05	0.70	y	36:40	-	1.19	y
23	IS/RT	13C-PCB-77	100.00	1.03e+08	0.81	y	36:39	-	1.58	y
24	Unk	PCB-155	0.20	1.65e+05	1.21	y	34:12	-	1.21	y
25	IS	13C-PCB-155	100.00	6.85e+07	1.34	y	34:11	-	1.05	y
26	C/Up	13C-PCB-111	100.00	8.19e+07	1.64	y	36:15	-	1.25	y
27	RS	13C-PCB-101	100.00	6.54e+07	1.65	y	34:36	6.54e+05	-	n
28	Unk	PCB-123	0.20	2.03e+05	1.64	y	38:19	-	1.18	y
29	IS	13C-PCB-123	100.00	8.58e+07	1.59	y	38:17	-	1.31	y
30	Unk	PCB-118	0.20	2.17e+05	1.56	y	38:29	-	1.21	y
31	IS	13C-PCB-118	100.00	8.95e+07	1.61	y	38:27	-	1.36	y
32	Unk	PCB-114	0.20	2.03e+05	1.53	y	39:07	-	1.18	y
33	IS	13C-PCB-114	100.00	8.55e+07	1.61	y	39:05	-	1.30	y
34	Unk	PCB-105	0.20	2.16e+05	1.33	y	39:54	-	1.24	y
35	IS	13C-PCB-105	100.00	8.70e+07	1.57	y	39:53	-	1.32	y
36	Unk	PCB-126	0.20	1.67e+05	1.67	y	42:01	-	1.11	y
37	IS	13C-PCB-126	100.00	7.54e+07	1.59	y	41:60	-	1.15	y
38	Unk	PCB-167	0.20	1.85e+05	1.18	y	43:23	-	1.20	y
39	IS	13C-PCB-167	100.00	7.72e+07	1.29	y	43:23	-	1.18	y
40	Unk	PCB-156	0.20	1.81e+05	1.13	y	44:38	-	1.20	y
41	IS	13C-PCB-156	100.00	7.51e+07	1.28	y	44:36	-	1.14	y
42	Unk	PCB-157	0.20	1.73e+05	1.14	y	44:52	-	1.15	y
43	IS	13C-PCB-157	100.00	7.51e+07	1.29	y	44:51	-	1.14	y
44	Unk	PCB-169	0.20	1.57e+05	1.24	y	46:44	-	1.12	y
45	IS	13C-PCB-169	100.00	7.01e+07	1.28	y	46:43	-	1.07	y
46	Unk	PCB-188	0.20	1.66e+05	1.18	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	7.49e+07	1.07	y	39:41	-	1.14	y
48	Unk	PCB-189	0.20	1.31e+05	1.12	y	48:25	-	1.16	y
49	IS	13C-PCB-189	100.00	5.64e+07	1.05	y	48:23	-	0.858	y
50	Unk	PCB-202	0.20	1.29e+05	0.93	y	44:49	-	1.14	y
51	IS	13C-PCB-202	100.00	5.65e+07	0.90	y	44:47	-	0.859	y
52	C/Up	13C-PCB-178	100.00	4.70e+07	1.07	y	42:19	-	0.715	y
53	RS	13C-PCB-138	100.00	6.57e+07	1.28	y	41:32	6.57e+05	-	n

54	Unk	PCB-205	0.20	1.52e+05	0.99	y	50:03	-	1.20	y
55	IS	13C-PCB-205	100.00	6.36e+07	0.89	y	50:02	-	1.31	y
56	Unk	PCB-208	0.20	1.50e+05	1.24	y	49:08	-	1.09	y
57	IS	13C-PCB-208	100.00	6.92e+07	0.80	y	49:07	-	1.43	y
58	Unk	PCB-206	0.20	1.04e+05	1.18	y	51:15	-	1.09	y
59	IS	13C-PCB-206	100.00	4.77e+07	0.78	y	51:14	-	0.986	y
60	Unk	PCB-209	0.20	1.25e+05	1.22	y	52:26	-	1.31	y
61	IS	13C-PCB-209	100.00	4.77e+07	1.19	y	52:25	-	0.985	y
62	RS	13C-PCB-194	100.00	4.84e+07	0.90	y	49:48	4.84e+05	-	n

Analyst: _____ Date: 7/28/20

Run #2 Filename 22JUL20Z S: 2 Acquired: 22-JUL-20 09:02:30 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z1 Analyte: FAL ID: 1668 CS199 R170213A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	1.00	9.47e+05	3.10	y	14:32	-	1.24	y
2	IS/RT	13C-PCB-1	100.00	7.65e+07	3.20	y	14:32	-	0.874	y
3	Unk	PCB-3	1.00	9.95e+05	3.18	y	16:57	-	1.28	y
4	IS/RT	13C-PCB-3	100.00	7.75e+07	3.21	y	16:57	-	0.885	y
5	Unk	PCB-4	1.00	6.70e+05	1.36	y	18:12	-	1.20	y
6	IS/RT	13C-PCB-4	100.00	5.60e+07	1.58	y	18:11	-	0.639	y
7	Unk	PCB-15	1.00	1.10e+06	1.39	y	23:42	-	1.15	y
8	IS/RT	13C-PCB-15	100.00	9.58e+07	1.58	y	23:41	-	1.09	y
9	Unk	PCB-19	1.00	5.52e+05	1.05	y	22:05	-	1.22	y
10	IS/RT	13C-PCB-19	100.00	4.54e+07	1.07	y	22:04	-	0.518	y
11	RS	13C-PCB-9	100.00	8.76e+07	1.59	y	19:51	8.76e+05	-	n
12	Unk	PCB-37	1.00	8.91e+05	1.06	y	30:20	-	1.16	y
13	IS	13C-PCB-37	100.00	7.71e+07	1.05	y	30:19	-	1.67	y
14	Unk	PCB-54	1.00	7.00e+05	0.82	y	25:37	-	1.23	y
15	IS/RT	13C-PCB-54	100.00	5.71e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	1.00	5.59e+05	1.62	y	30:02	-	1.20	y
17	IS	13C-PCB-104	100.00	4.68e+07	1.59	y	30:01	-	1.01	y
18	C/Up	13C-PCB-28	100.00	8.11e+07	1.05	y	26:40	-	1.76	y
19	RS	13C-PCB-52	100.00	4.62e+07	0.78	y	28:55	4.62e+05	-	n
20	Unk	PCB-81	1.00	7.49e+05	0.76	y	36:06	-	1.17	y
21	IS	13C-PCB-81	100.00	6.40e+07	0.80	y	36:05	-	1.53	y
22	Unk	PCB-77	1.00	7.47e+05	0.81	y	36:39	-	1.13	y
23	IS/RT	13C-PCB-77	100.00	6.59e+07	0.80	y	36:38	-	1.57	y
24	Unk	PCB-155	1.00	5.57e+05	1.27	y	34:12	-	1.17	y
25	IS	13C-PCB-155	100.00	4.75e+07	1.33	y	34:11	-	1.13	y
26	C/Up	13C-PCB-111	100.00	5.37e+07	1.61	y	36:15	-	1.28	y
27	RS	13C-PCB-101	100.00	4.19e+07	1.63	y	34:36	4.19e+05	-	n
28	Unk	PCB-123	1.00	5.98e+05	1.65	y	38:17	-	1.14	y
29	IS	13C-PCB-123	100.00	5.25e+07	1.59	y	38:17	-	1.24	y
30	Unk	PCB-118	1.00	6.52e+05	1.71	y	38:27	-	1.17	y
31	IS	13C-PCB-118	100.00	5.59e+07	1.59	y	38:27	-	1.32	y
32	Unk	PCB-114	1.00	6.40e+05	1.57	y	39:05	-	1.17	y
33	IS	13C-PCB-114	100.00	5.47e+07	1.59	y	39:04	-	1.30	y
34	Unk	PCB-105	1.00	5.98e+05	1.54	y	39:55	-	1.09	y
35	IS	13C-PCB-105	100.00	5.50e+07	1.62	y	39:53	-	1.30	y
36	Unk	PCB-126	1.00	5.71e+05	1.51	y	41:60	-	1.10	y
37	IS	13C-PCB-126	100.00	5.18e+07	1.60	y	41:60	-	1.23	y
38	Unk	PCB-167	1.00	5.92e+05	1.30	y	43:22	-	1.16	y
39	IS	13C-PCB-167	100.00	5.10e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	1.00	5.81e+05	1.27	y	44:36	-	1.17	y
41	IS	13C-PCB-156	100.00	4.96e+07	1.29	y	44:34	-	1.17	y
42	Unk	PCB-157	1.00	5.45e+05	1.27	y	44:52	-	1.08	y
43	IS	13C-PCB-157	100.00	5.03e+07	1.30	y	44:51	-	1.19	y
44	Unk	PCB-169	1.00	5.33e+05	1.22	y	46:43	-	1.10	y
45	IS	13C-PCB-169	100.00	4.85e+07	1.27	y	46:43	-	1.15	y
46	Unk	PCB-188	1.00	5.25e+05	1.11	y	39:41	-	1.13	y
47	IS	13C-PCB-188	100.00	4.66e+07	1.07	y	39:40	-	1.10	y
48	Unk	PCB-189	1.00	4.29e+05	1.08	y	48:23	-	1.08	y
49	IS	13C-PCB-189	100.00	3.99e+07	1.06	y	48:23	-	0.944	y
50	Unk	PCB-202	1.00	4.51e+05	0.85	y	44:48	-	1.09	y
51	IS	13C-PCB-202	100.00	4.14e+07	0.91	y	44:46	-	0.981	y
52	C/Up	13C-PCB-178	100.00	3.37e+07	1.07	y	42:18	-	0.797	y
53	RS	13C-PCB-138	100.00	4.22e+07	1.29	y	41:30	4.22e+05	-	n

54	Unk	PCB-205	1.00	4.80e+05	0.86	y	50:04	-	1.13	y	
55	IS	13C-PCB-205	100.00	4.24e+07	0.90	y	50:02	-	1.28	y	
56	Unk	PCB-208	1.00	4.59e+05	1.27	y	49:07	-	1.03	y	
57	IS	13C-PCB-208	100.00	4.45e+07	0.80	y	49:07	-	1.34	y	
58	Unk	PCB-206	1.00	3.28e+05	1.34	y	51:14	-	1.09	y	
59	IS	13C-PCB-206	100.00	3.00e+07	0.80	y	51:14	-	0.907	y	
60	Unk	PCB-209	1.00	4.02e+05	1.07	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.64e+07	1.20	y	52:25	-	1.10	y	
62	RS	13C-PCB-194	100.00	3.31e+07	0.91	y	49:47	3.31e+05	-	n	

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

Run #3 Filename 22JUL20Z S: 3 Acquired: 22-JUL-20 10:00:51 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z2 Analyte: FAL ID: 1668 CS299 R170213B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	5.00	4.71e+06	3.12	y	14:32	-	1.18	y
2	IS/RT	13C-PCB-1	100.00	8.00e+07	3.21	y	14:31	-	0.903	y
3	Unk	PCB-3	5.00	5.01e+06	3.05	y	16:57	-	1.21	y
4	IS/RT	13C-PCB-3	100.00	8.27e+07	3.23	y	16:56	-	0.934	y
5	Unk	PCB-4	5.00	3.26e+06	1.38	y	18:12	-	1.12	y
6	IS/RT	13C-PCB-4	100.00	5.84e+07	1.58	y	18:11	-	0.659	y
7	Unk	PCB-15	5.00	5.08e+06	1.41	y	23:43	-	1.10	y
8	IS/RT	13C-PCB-15	100.00	9.25e+07	1.59	y	23:41	-	1.04	y
9	Unk	PCB-19	5.00	2.61e+06	1.06	y	22:05	-	1.21	y
10	IS/RT	13C-PCB-19	100.00	4.33e+07	1.09	y	22:04	-	0.489	y
11	RS	13C-PCB-9	100.00	8.86e+07	1.57	y	19:51	8.86e+05	-	n
12	Unk	PCB-37	5.00	4.07e+06	1.06	y	30:19	-	1.13	y
13	IS	13C-PCB-37	100.00	7.21e+07	1.07	y	30:18	-	1.56	y
14	Unk	PCB-54	5.00	3.37e+06	0.76	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.70e+07	0.80	y	25:35	-	1.23	y
16	Unk	PCB-104	5.00	2.62e+06	1.49	y	30:02	-	1.16	y
17	IS	13C-PCB-104	100.00	4.53e+07	1.58	y	30:00	-	0.976	y
18	C/Up	13C-PCB-28	100.00	7.91e+07	1.06	y	26:39	-	1.71	y
19	RS	13C-PCB-52	100.00	4.63e+07	0.79	y	28:55	4.63e+05	-	n
20	Unk	PCB-81	5.00	3.55e+06	0.78	y	36:06	-	1.16	y
21	IS	13C-PCB-81	100.00	6.12e+07	0.80	y	36:04	-	1.53	y
22	Unk	PCB-77	5.00	3.56e+06	0.80	y	36:38	-	1.12	y
23	IS/RT	13C-PCB-77	100.00	6.35e+07	0.80	y	36:37	-	1.59	y
24	Unk	PCB-155	5.00	2.52e+06	1.26	y	34:12	-	1.14	y
25	IS	13C-PCB-155	100.00	4.43e+07	1.36	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	5.19e+07	1.62	y	36:14	-	1.30	y
27	RS	13C-PCB-101	100.00	3.99e+07	1.67	y	34:36	3.99e+05	-	n
28	Unk	PCB-123	5.00	2.84e+06	1.54	y	38:17	-	1.08	y
29	IS	13C-PCB-123	100.00	5.24e+07	1.61	y	38:17	-	1.30	y
30	Unk	PCB-118	5.00	3.05e+06	1.53	y	38:29	-	1.15	y
31	IS	13C-PCB-118	100.00	5.32e+07	1.63	y	38:27	-	1.32	y
32	Unk	PCB-114	5.00	2.89e+06	1.60	y	39:05	-	1.16	y
33	IS	13C-PCB-114	100.00	5.00e+07	1.63	y	39:03	-	1.24	y
34	Unk	PCB-105	5.00	2.82e+06	1.48	y	39:54	-	1.10	y
35	IS	13C-PCB-105	100.00	5.15e+07	1.63	y	39:53	-	1.28	y
36	Unk	PCB-126	5.00	2.74e+06	1.60	y	41:59	-	1.10	y
37	IS	13C-PCB-126	100.00	5.00e+07	1.62	y	41:59	-	1.24	y
38	Unk	PCB-167	5.00	2.74e+06	1.23	y	43:23	-	1.12	y
39	IS	13C-PCB-167	100.00	4.89e+07	1.28	y	43:22	-	1.21	y
40	Unk	PCB-156	5.00	2.60e+06	1.21	y	44:36	-	1.14	y
41	IS	13C-PCB-156	100.00	4.55e+07	1.27	y	44:36	-	1.13	y
42	Unk	PCB-157	5.00	2.59e+06	1.22	y	44:50	-	1.11	y
43	IS	13C-PCB-157	100.00	4.69e+07	1.27	y	44:50	-	1.16	y
44	Unk	PCB-169	5.00	2.43e+06	1.20	y	46:42	-	1.09	y
45	IS	13C-PCB-169	100.00	4.45e+07	1.28	y	46:42	-	1.10	y
46	Unk	PCB-188	5.00	2.62e+06	1.05	y	39:41	-	1.15	y
47	IS	13C-PCB-188	100.00	4.57e+07	1.07	y	39:39	-	1.13	y
48	Unk	PCB-189	5.00	2.05e+06	1.03	y	48:23	-	1.09	y
49	IS	13C-PCB-189	100.00	3.75e+07	1.07	y	48:23	-	0.929	y
50	Unk	PCB-202	5.00	1.97e+06	0.95	y	44:47	-	1.03	y
51	IS	13C-PCB-202	100.00	3.81e+07	0.90	y	44:46	-	0.944	y
52	C/Up	13C-PCB-178	100.00	3.17e+07	1.06	y	42:17	-	0.784	y
53	RS	13C-PCB-138	100.00	4.04e+07	1.27	y	41:30	4.04e+05	-	n

54	Unk	PCB-205	5.00	2.15e+06	0.89	y	50:03	-	1.12	y	
55	IS	13C-PCB-205	100.00	3.85e+07	0.91	y	50:02	-	1.25	y	
56	Unk	PCB-208	5.00	2.16e+06	1.40	y	49:08	-	1.04	y	
57	IS	13C-PCB-208	100.00	4.14e+07	0.79	y	49:07	-	1.34	y	
58	Unk	PCB-206	5.00	1.47e+06	1.38	y	51:14	-	1.07	y	
59	IS	13C-PCB-206	100.00	2.75e+07	0.78	y	51:14	-	0.892	y	
60	Unk	PCB-209	5.00	2.00e+06	1.15	y	52:24	-	1.17	y	
61	IS	13C-PCB-209	100.00	3.44e+07	1.20	y	52:24	-	1.11	y	
62	RS	13C-PCB-194	100.00	3.08e+07	0.91	y	49:46	3.08e+05	-	n	

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

Run #4 Filename 22JUL20Z S: 4 Acquired: 22-JUL-20 10:59:13 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z3 Analyte: FAL ID: 1668 CS399 R190905A

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	50.00	4.01e+07	3.17	y	14:32	-	1.15	y
2	IS/RT	13C-PCB-1	100.00	6.96e+07	3.19	y	14:31	-	0.898	y
3	Unk	PCB-3	50.00	4.19e+07	3.20	y	16:57	-	1.17	y
4	IS/RT	13C-PCB-3	100.00	7.16e+07	3.23	y	16:56	-	0.923	y
5	Unk	PCB-4	50.00	2.64e+07	1.52	y	18:12	-	1.03	y
6	IS/RT	13C-PCB-4	100.00	5.11e+07	1.56	y	18:11	-	0.659	y
7	Unk	PCB-15	50.00	4.24e+07	1.52	y	23:42	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.28e+07	1.58	y	23:41	-	1.07	y
9	Unk	PCB-19	50.00	2.28e+07	1.06	y	22:05	-	1.15	y
10	IS/RT	13C-PCB-19	100.00	3.94e+07	1.08	y	22:03	-	0.509	y
11	RS	13C-PCB-9	100.00	7.75e+07	1.61	y	19:51	7.75e+05	-	n
12	Unk	PCB-37	50.00	3.56e+07	1.06	y	30:20	-	1.06	y
13	IS	13C-PCB-37	100.00	6.71e+07	1.06	y	30:18	-	1.68	y
14	Unk	PCB-54	50.00	3.03e+07	0.78	y	25:36	-	1.18	y
15	IS/RT	13C-PCB-54	100.00	5.15e+07	0.80	y	25:35	-	1.29	y
16	Unk	PCB-104	50.00	2.24e+07	1.55	y	30:02	-	1.09	y
17	IS	13C-PCB-104	100.00	4.09e+07	1.59	y	30:01	-	1.02	y
18	C/Up	13C-PCB-28	100.00	7.00e+07	1.04	y	26:38	-	1.75	y
19	RS	13C-PCB-52	100.00	4.00e+07	0.78	y	28:55	4.00e+05	-	n
20	Unk	PCB-81	50.00	3.00e+07	0.76	y	36:06	-	1.10	y
21	IS	13C-PCB-81	100.00	5.48e+07	0.79	y	36:04	-	1.52	y
22	Unk	PCB-77	50.00	2.97e+07	0.79	y	36:39	-	1.07	y
23	IS/RT	13C-PCB-77	100.00	5.55e+07	0.80	y	36:37	-	1.54	y
24	Unk	PCB-155	50.00	2.24e+07	1.28	y	34:11	-	1.09	y
25	IS	13C-PCB-155	100.00	4.10e+07	1.33	y	34:09	-	1.13	y
26	C/Up	13C-PCB-111	100.00	4.57e+07	1.61	y	36:13	-	1.26	y
27	RS	13C-PCB-101	100.00	3.62e+07	1.64	y	34:36	3.62e+05	-	n
28	Unk	PCB-123	50.00	2.48e+07	1.58	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.53e+07	1.59	y	38:16	-	1.25	y
30	Unk	PCB-118	50.00	2.61e+07	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	4.88e+07	1.60	y	38:25	-	1.35	y
32	Unk	PCB-114	50.00	2.50e+07	1.59	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.62e+07	1.60	y	39:03	-	1.28	y
34	Unk	PCB-105	50.00	2.41e+07	1.58	y	39:53	-	1.07	y
35	IS	13C-PCB-105	100.00	4.51e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	50.00	2.21e+07	1.55	y	41:59	-	1.08	y
37	IS	13C-PCB-126	100.00	4.08e+07	1.62	y	41:58	-	1.13	y
38	Unk	PCB-167	50.00	2.29e+07	1.24	y	43:22	-	1.07	y
39	IS	13C-PCB-167	100.00	4.26e+07	1.29	y	43:22	-	1.18	y
40	Unk	PCB-156	50.00	2.29e+07	1.25	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.20e+07	1.27	y	44:34	-	1.16	y
42	Unk	PCB-157	50.00	2.26e+07	1.26	y	44:51	-	1.06	y
43	IS	13C-PCB-157	100.00	4.25e+07	1.27	y	44:49	-	1.17	y
44	Unk	PCB-169	50.00	2.20e+07	1.28	y	46:43	-	1.08	y
45	IS	13C-PCB-169	100.00	4.05e+07	1.27	y	46:43	-	1.12	y
46	Unk	PCB-188	50.00	2.17e+07	1.05	y	39:41	-	1.09	y
47	IS	13C-PCB-188	100.00	3.97e+07	1.08	y	39:40	-	1.10	y
48	Unk	PCB-189	50.00	1.83e+07	1.05	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.41e+07	1.07	y	48:23	-	0.941	y
50	Unk	PCB-202	50.00	1.80e+07	0.92	y	44:47	-	1.02	y
51	IS	13C-PCB-202	100.00	3.53e+07	0.91	y	44:46	-	0.975	y
52	C/Up	13C-PCB-178	100.00	2.76e+07	1.05	y	42:18	-	0.763	y
53	RS	13C-PCB-138	100.00	3.62e+07	1.29	y	41:30	3.62e+05	-	n

54	Unk	PCB-205	50.00	1.96e+07	0.90	y	50:02	-	1.07	y	
55	IS	13C-PCB-205	100.00	3.65e+07	0.88	y	50:02	-	1.29	y	
56	Unk	PCB-208	50.00	1.96e+07	1.36	y	49:07	-	0.998	y	
57	IS	13C-PCB-208	100.00	3.92e+07	0.80	y	49:07	-	1.39	y	
58	Unk	PCB-206	50.00	1.30e+07	1.33	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.51e+07	0.79	y	51:13	-	0.888	y	
60	Unk	PCB-209	50.00	1.70e+07	1.18	y	52:25	-	1.11	y	
61	IS	13C-PCB-209	100.00	3.07e+07	1.22	y	52:25	-	1.09	y	
62	RS	13C-PCB-194	100.00	2.82e+07	0.90	y	49:47	2.82e+05	-	n	

Analyst: [illegible] Date: 7/28/21

Run #5 Filename 22JUL20Z S: 5 Acquired: 22-JUL-20 11:57:34 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z4 Analyte: FAL ID: 1668 CS499 R181022B

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	400.00	3.43e+08	3.16	y	14:31	-	1.14	y
2	IS/RT	13C-PCB-1	100.00	7.50e+07	3.19	y	14:30	-	0.946	y
3	Unk	PCB-3	400.00	3.61e+08	3.17	y	16:56	-	1.19	y
4	IS/RT	13C-PCB-3	100.00	7.62e+07	3.23	y	16:55	-	0.962	y
5	Unk	PCB-4	400.00	2.26e+08	1.54	y	18:11	-	1.05	y
6	IS/RT	13C-PCB-4	100.00	5.37e+07	1.55	y	18:10	-	0.678	y
7	Unk	PCB-15	400.00	3.58e+08	1.54	y	23:41	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	8.76e+07	1.60	y	23:40	-	1.11	y
9	Unk	PCB-19	400.00	1.89e+08	1.05	y	22:04	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	4.09e+07	1.08	y	22:03	-	0.516	y
11	RS	13C-PCB-9	100.00	7.92e+07	1.59	y	19:50	7.92e+05	-	n
12	Unk	PCB-37	400.00	3.02e+08	1.07	y	30:20	-	1.12	y
13	IS	13C-PCB-37	100.00	6.75e+07	1.06	y	30:19	-	1.65	y
14	Unk	PCB-54	400.00	2.48e+08	0.77	y	25:35	-	1.17	y
15	IS/RT	13C-PCB-54	100.00	5.30e+07	0.80	y	25:34	-	1.29	y
16	Unk	PCB-104	400.00	1.90e+08	1.57	y	30:02	-	1.12	y
17	IS	13C-PCB-104	100.00	4.26e+07	1.59	y	30:01	-	1.04	y
18	C/Up	13C-PCB-28	100.00	6.89e+07	1.07	y	26:39	-	1.68	y
19	RS	13C-PCB-52	100.00	4.10e+07	0.78	y	28:55	4.10e+05	-	n
20	Unk	PCB-81	400.00	2.61e+08	0.78	y	36:05	-	1.13	y
21	IS	13C-PCB-81	100.00	5.80e+07	0.79	y	36:05	-	1.58	y
22	Unk	PCB-77	400.00	2.59e+08	0.77	y	36:39	-	1.08	y
23	IS/RT	13C-PCB-77	100.00	6.00e+07	0.80	y	36:38	-	1.63	y
24	Unk	PCB-155	400.00	1.80e+08	1.31	y	34:12	-	1.12	y
25	IS	13C-PCB-155	100.00	4.01e+07	1.35	y	34:10	-	1.09	y
26	C/Up	13C-PCB-111	100.00	4.71e+07	1.61	y	36:13	-	1.28	y
27	RS	13C-PCB-101	100.00	3.68e+07	1.68	y	34:36	3.68e+05	-	n
28	Unk	PCB-123	400.00	2.09e+08	1.57	y	38:17	-	1.09	y
29	IS	13C-PCB-123	100.00	4.81e+07	1.59	y	38:16	-	1.35	y
30	Unk	PCB-118	400.00	2.18e+08	1.58	y	38:27	-	1.07	y
31	IS	13C-PCB-118	100.00	5.08e+07	1.61	y	38:27	-	1.42	y
32	Unk	PCB-114	400.00	2.10e+08	1.55	y	39:05	-	1.08	y
33	IS	13C-PCB-114	100.00	4.84e+07	1.59	y	39:04	-	1.36	y
34	Unk	PCB-105	400.00	1.89e+08	1.59	y	39:53	-	1.06	y
35	IS	13C-PCB-105	100.00	4.46e+07	1.60	y	39:53	-	1.25	y
36	Unk	PCB-126	400.00	1.98e+08	1.58	y	41:60	-	1.09	y
37	IS	13C-PCB-126	100.00	4.52e+07	1.60	y	41:60	-	1.27	y
38	Unk	PCB-167	400.00	1.94e+08	1.22	y	43:22	-	1.06	y
39	IS	13C-PCB-167	100.00	4.56e+07	1.26	y	43:22	-	1.28	y
40	Unk	PCB-156	400.00	1.95e+08	1.22	y	44:36	-	1.09	y
41	IS	13C-PCB-156	100.00	4.48e+07	1.27	y	44:34	-	1.26	y
42	Unk	PCB-157	400.00	1.92e+08	1.26	y	44:51	-	1.05	y
43	IS	13C-PCB-157	100.00	4.56e+07	1.27	y	44:49	-	1.28	y
44	Unk	PCB-169	400.00	1.85e+08	1.24	y	46:43	-	1.05	y
45	IS	13C-PCB-169	100.00	4.40e+07	1.25	y	46:43	-	1.23	y
46	Unk	PCB-188	400.00	1.81e+08	1.05	y	39:41	-	1.11	y
47	IS	13C-PCB-188	100.00	4.08e+07	1.07	y	39:40	-	1.14	y
48	Unk	PCB-189	400.00	1.52e+08	1.06	y	48:23	-	1.07	y
49	IS	13C-PCB-189	100.00	3.54e+07	1.06	y	48:23	-	0.991	y
50	Unk	PCB-202	400.00	1.40e+08	0.93	y	44:48	-	0.986	y
51	IS	13C-PCB-202	100.00	3.56e+07	0.91	y	44:46	-	0.996	y
52	C/Up	13C-PCB-178	100.00	2.84e+07	1.06	y	42:18	-	0.794	y
53	RS	13C-PCB-138	100.00	3.57e+07	1.29	y	41:30	3.57e+05	-	n

54	Unk	PCB-205	400.00	1.64e+08	0.88	y	50:02	-	1.06	y	
55	IS	13C-PCB-205	100.00	3.87e+07	0.89	y	50:02	-	1.35	y	
56	Unk	PCB-208	400.00	1.59e+08	1.33	y	49:07	-	0.989	y	
57	IS	13C-PCB-208	100.00	4.02e+07	0.81	y	49:07	-	1.40	y	
58	Unk	PCB-206	400.00	1.14e+08	1.34	y	51:14	-	1.04	y	
59	IS	13C-PCB-206	100.00	2.74e+07	0.80	y	51:13	-	0.954	y	
60	Unk	PCB-209	400.00	1.47e+08	1.18	y	52:25	-	1.12	y	
61	IS	13C-PCB-209	100.00	3.29e+07	1.19	y	52:23	-	1.15	y	
62	RS	13C-PCB-194	100.00	2.87e+07	0.90	y	49:47	2.87e+05	-	n	

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

Run #6 Filename 22JUL20Z S: 6 Acquired: 22-JUL-20 12:55:55 Cal: 1668PCBFAL4-7-22-20
Client ID: ST072220Z5 Analyte: 1668PCBFAL4-7-22-20 FAL ID: 1668 CS599 R130426C

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	PCB-1	2000.00	2.88e+09	3.17	y	14:30	-	1.17	y
2	IS/RT	13C-PCB-1	100.00	1.23e+08	3.18	y	14:29	-	0.884	y
3	Unk	PCB-3	2000.00	3.04e+09	3.14	y	16:56	-	1.15	y
4	IS/RT	13C-PCB-3	100.00	1.32e+08	3.18	y	16:55	-	0.951	y
5	Unk	PCB-4	2000.00	1.89e+09	1.53	y	18:12	-	1.02	y
6	IS/RT	13C-PCB-4	100.00	9.25e+07	1.58	y	18:10	-	0.665	y
7	Unk	PCB-15	2000.00	3.23e+09	1.54	y	23:43	-	1.02	y
8	IS/RT	13C-PCB-15	100.00	1.58e+08	1.57	y	23:41	-	1.14	y
9	Unk	PCB-19	2000.00	1.62e+09	1.05	y	22:05	-	1.16	y
10	IS/RT	13C-PCB-19	100.00	7.00e+07	1.07	y	22:04	-	0.503	y
11	RS	13C-PCB-9	100.00	1.39e+08	1.59	y	19:51	1.39e+06	-	n
12	Unk	PCB-37	2000.00	2.63e+09	1.06	y	30:21	-	1.12	y
13	IS	13C-PCB-37	100.00	1.17e+08	1.06	y	30:19	-	1.55	y
14	Unk	PCB-54	2000.00	2.07e+09	0.77	y	25:38	-	1.11	y
15	IS/RT	13C-PCB-54	100.00	9.34e+07	0.80	y	25:35	-	1.24	y
16	Unk	PCB-104	2000.00	1.56e+09	1.55	y	30:03	-	1.03	y
17	IS	13C-PCB-104	100.00	7.52e+07	1.59	y	30:02	-	0.995	y
18	C/Up	13C-PCB-28	100.00	1.24e+08	1.06	y	26:39	-	1.65	y
19	RS	13C-PCB-52	100.00	7.56e+07	0.80	y	28:56	7.56e+05	-	n
20	Unk	PCB-81	2000.00	2.34e+09	0.78	y	36:07	-	1.03	y
21	IS	13C-PCB-81	100.00	1.13e+08	0.79	y	36:06	-	1.73	y
22	Unk	PCB-77	2000.00	2.34e+09	0.79	y	36:40	-	1.01	y
23	IS/RT	13C-PCB-77	100.00	1.16e+08	0.78	y	36:38	-	1.77	y
24	Unk	PCB-155	2000.00	1.56e+09	1.29	y	34:13	-	1.08	y
25	IS	13C-PCB-155	100.00	7.27e+07	1.33	y	34:11	-	1.11	y
26	C/Up	13C-PCB-111	100.00	8.21e+07	1.60	y	36:14	-	1.25	y
27	RS	13C-PCB-101	100.00	6.56e+07	1.63	y	34:37	6.56e+05	-	n
28	Unk	PCB-123	2000.00	1.83e+09	1.59	y	38:19	-	1.07	y
29	IS	13C-PCB-123	100.00	8.57e+07	1.61	y	38:17	-	1.25	y
30	Unk	PCB-118	2000.00	1.95e+09	1.58	y	38:29	-	1.06	y
31	IS	13C-PCB-118	100.00	9.20e+07	1.61	y	38:27	-	1.35	y
32	Unk	PCB-114	2000.00	1.93e+09	1.58	y	39:06	-	1.09	y
33	IS	13C-PCB-114	100.00	8.84e+07	1.59	y	39:05	-	1.29	y
34	Unk	PCB-105	2000.00	1.88e+09	1.59	y	39:54	-	1.07	y
35	IS	13C-PCB-105	100.00	8.81e+07	1.59	y	39:53	-	1.29	y
36	Unk	PCB-126	2000.00	1.95e+09	1.59	y	42:01	-	1.03	y
37	IS	13C-PCB-126	100.00	9.45e+07	1.60	y	41:59	-	1.38	y
38	Unk	PCB-167	2000.00	1.86e+09	1.24	y	43:23	-	1.03	y
39	IS	13C-PCB-167	100.00	9.03e+07	1.28	y	43:22	-	1.32	y
40	Unk	PCB-156	2000.00	1.85e+09	1.24	y	44:37	-	1.07	y
41	IS	13C-PCB-156	100.00	8.66e+07	1.27	y	44:36	-	1.27	y
42	Unk	PCB-157	2000.00	1.90e+09	1.24	y	44:52	-	1.04	y
43	IS	13C-PCB-157	100.00	9.13e+07	1.27	y	44:51	-	1.34	y
44	Unk	PCB-169	2000.00	1.87e+09	1.24	y	46:44	-	1.02	y
45	IS	13C-PCB-169	100.00	9.21e+07	1.27	y	46:42	-	1.35	y
46	Unk	PCB-188	2000.00	1.59e+09	1.04	y	39:41	-	1.01	y
47	IS	13C-PCB-188	100.00	7.85e+07	1.05	y	39:41	-	1.15	y
48	Unk	PCB-189	2000.00	1.44e+09	1.05	y	48:25	-	0.936	y
49	IS	13C-PCB-189	100.00	7.71e+07	1.05	y	48:23	-	1.13	y
50	Unk	PCB-202	2000.00	1.22e+09	0.94	y	44:49	-	0.910	y
51	IS	13C-PCB-202	100.00	6.69e+07	0.91	y	44:47	-	0.980	y
52	C/Up	13C-PCB-178	100.00	5.50e+07	1.08	y	42:17	-	0.805	y
53	RS	13C-PCB-138	100.00	6.83e+07	1.28	y	41:31	6.83e+05	-	n

54	Unk	PCB-205	2000.00	1.56e+09	0.90	y	50:03	-	0.932	y	
55	IS	13C-PCB-205	100.00	8.39e+07	0.90	y	50:02	-	1.42	y	
56	Unk	PCB-208	2000.00	1.44e+09	1.35	y	49:08	-	0.901	y	
57	IS	13C-PCB-208	100.00	7.99e+07	0.80	y	49:07	-	1.35	y	
58	Unk	PCB-206	2000.00	1.07e+09	1.31	y	51:14	-	0.909	y	
59	IS	13C-PCB-206	100.00	5.90e+07	0.78	y	51:14	-	0.995	y	
60	Unk	PCB-209	2000.00	1.34e+09	1.20	y	52:24	-	0.951	y	
61	IS	13C-PCB-209	100.00	7.03e+07	1.20	y	52:24	-	1.19	y	
62	RS	13C-PCB-194	100.00	5.93e+07	0.88	y	49:46	5.93e+05	-	n	

Analyst: [illegible] Date: 7/28/26

Frontier Analytical Laboratory

FORM 4A
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.17	2.66-3.60	y	47.6	37.5 - 62.5
PCB-3	M/M+2	3.20	2.66-3.60	y	47.5	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	45.3	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	46.9	37.5 - 62.5
PCB-19	M/M+2	1.06	0.88-1.20	y	47.7	37.5 - 62.5
PCB-37	M/M+2	1.06	0.88-1.20	y	46.4	37.5 - 62.5
PCB-54	M/M+2	0.78	0.65-0.89	y	49.7	37.5 - 62.5
PCB-77	M/M+2	0.79	0.65-0.89	y	48.6	37.5 - 62.5
PCB-81	M/M+2	0.76	0.65-0.89	y	48.4	37.5 - 62.5
PCB-104	M+2/M+4	1.55	1.32-1.78	y	49.0	37.5 - 62.5
PCB-105	M+2/M+4	1.58	1.32-1.78	y	48.5	37.5 - 62.5
PCB-114	M+2/M+4	1.59	1.32-1.78	y	47.9	37.5 - 62.5
PCB-118	M+2/M+4	1.58	1.32-1.78	y	47.8	37.5 - 62.5
PCB-123	M+2/M+4	1.58	1.32-1.78	y	49.3	37.5 - 62.5
PCB-126	M+2/M+4	1.55	1.32-1.78	y	49.9	37.5 - 62.5
PCB-155	M+2/M+4	1.28	1.05-1.43	y	48.2	37.5 - 62.5
PCB-156	M+2/M+4	1.25	1.05-1.43	y	48.4	37.5 - 62.5
PCB-157	M+2/M+4	1.26	1.05-1.43	y	49.2	37.5 - 62.5
PCB-167	M+2/M+4	1.24	1.05-1.43	y	48.4	37.5 - 62.5
PCB-169	M+2/M+4	1.28	1.05-1.43	y	50.3	37.5 - 62.5
PCB-188	M+2/M+4	1.05	0.89-1.21	y	49.8	37.5 - 62.5
PCB-189	M+2/M+4	1.05	0.89-1.21	y	50.2	37.5 - 62.5
PCB-202	M+2/M+4	0.92	0.76-1.02	y	49.5	37.5 - 62.5
PCB-205	M+2/M+4	0.90	0.76-1.02	y	49.5	37.5 - 62.5
PCB-206	M+4/M+6	1.33	1.13-1.53	y	49.9	37.5 - 62.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	49.5	37.5 - 62.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	49.1	37.5 - 62.5

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:4 Analysis Date: 22-JUL-20 10:59:13

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.19	2.66-3.60	y	99.9	50.0 - 145
13C-PCB-3	M/M+2	3.23	2.66-3.60	y	99.3	50.0 - 145
13C-PCB-4	M/M+2	1.56	1.33-1.79	y	100.0	50.0 - 145
13C-PCB-15	M/M+2	1.58	1.33-1.79	y	98.2	50.0 - 145
13C-PCB-19	M/M+2	1.08	0.88-1.20	y	101	50.0 - 145
13C-PCB-37	M/M+2	1.06	0.88-1.20	y	102	50.0 - 145
13C-PCB-54	M/M+2	0.80	0.65-0.89	y	102	50.0 - 145
13C-PCB-77	M/M+2	0.80	0.65-0.89	y	95.2	50.0 - 145
13C-PCB-81	M/M+2	0.79	0.65-0.89	y	96.5	50.0 - 145
13C-PCB-104	M+2/M+4	1.59	1.32-1.78	y	100	50.0 - 145
13C-PCB-105	M+2/M+4	1.60	1.32-1.78	y	97.3	50.0 - 145
13C-PCB-114	M+2/M+4	1.60	1.32-1.78	y	98.6	50.0 - 145
13C-PCB-118	M+2/M+4	1.60	1.32-1.78	y	99.5	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	97.6	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	91.5	50.0 - 145
13C-PCB-155	M+2/M+4	1.33	1.05-1.43	y	103	50.0 - 145
13C-PCB-156	M+2/M+4	1.27	1.05-1.43	y	97.6	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	96.7	50.0 - 145
13C-PCB-167	M+2/M+4	1.29	1.05-1.43	y	95.8	50.0 - 145
13C-PCB-169	M+2/M+4	1.27	1.05-1.43	y	95.7	50.0 - 145
13C-PCB-188	M+2/M+4	1.08	0.89-1.21	y	97.4	50.0 - 145
13C-PCB-189	M+2/M+4	1.07	0.89-1.21	y	97.5	50.0 - 145
13C-PCB-202	M+2/M+4	0.91	0.76-1.02	y	102	50.0 - 145
13C-PCB-205	M+2/M+4	0.88	0.76-1.02	y	98.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	94.8	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	101	50.0 - 145
13C-PCB-209	M+4/M+6	1.22	0.99-1.33	y	98.6	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.04	0.88-1.20	y	101	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	99.4	75.0 - 125
13C-PCB-178	M+2/M+4	1.05	0.89-1.21	y	98.3	75.0 - 125

Analyst: _____ Date: 7/22/20

FAL ID: ST072220Z3 Filename: 22JUL20Z Sam:4 Acquired: 22-JUL-20 10:59:13 ICal: 1668PCBFAL4-7-22-20
Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.01e+07	3.17 y	14:32	1.21	47.6		2.50	-	-	*	-
13C-PCB-1	6.96e+07	3.19 y	14:31	0.90	99.9		2.50				99.9
PCB-3	4.19e+07	3.20 y	16:57	1.23	47.5		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.23 y	16:56	0.93	99.3		2.50				99.3
PCB-4	2.64e+07	1.52 y	18:12	1.14	45.3		2.50	-	-	*	-
13C-PCB-4	5.11e+07	1.56 y	18:11	0.66	100.0		2.50				100.0
PCB-15	4.24e+07	1.52 y	23:42	1.09	46.9		2.50	-	-	*	-
13C-PCB-15	8.28e+07	1.58 y	23:41	1.09	98.2		2.50				98.2
PCB-19	2.28e+07	1.06 y	22:05	1.21	47.7		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.08 y	22:03	0.50	101		2.50				101
13C-PCB-9	7.75e+07	1.61 y	19:51	-	76.0		2.50				
PCB-37	3.56e+07	1.06 y	30:20	1.14	46.4		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.06 y	30:18	1.64	102		2.50				102
PCB-54	3.03e+07	0.78 y	25:36	1.18	49.7		2.50	-	-	*	-
13C-PCB-54	5.15e+07	0.80 y	25:35	1.26	102		2.50				102
PCB-104	2.24e+07	1.55 y	30:02	1.12	49.0		2.50	-	-	*	-
13C-PCB-104	4.09e+07	1.59 y	30:01	1.02	100		2.50				100
13C-PCB-28	7.00e+07	1.04 y	26:38	1.73	101		2.50				101
13C-PCB-52	4.00e+07	0.78 y	28:55	-	75.3		2.50				
PCB-81	3.00e+07	0.76 y	36:06	1.13	48.4		2.50	-	-	*	-
13C-PCB-81	5.48e+07	0.79 y	36:04	1.57	96.5		2.50				96.5
PCB-77	2.97e+07	0.79 y	36:39	1.10	48.6		2.50	-	-	*	-
13C-PCB-77	5.55e+07	0.80 y	36:37	1.61	95.2		2.50				95.2
PCB-155	2.24e+07	1.28 y	34:11	1.13	48.2		2.50	-	-	*	-
13C-PCB-155	4.10e+07	1.33 y	34:09	1.10	103		2.50				103
13C-PCB-111	4.57e+07	1.61 y	36:13	1.27	99.4		2.50				99.4
13C-PCB-101	3.62e+07	1.64 y	34:36	-	75.9		2.50				
PCB-123	2.48e+07	1.58 y	38:17	1.11	49.3		2.50	-	-	*	-
13C-PCB-123	4.53e+07	1.59 y	38:16	1.28	97.6		2.50				97.6
PCB-118	2.61e+07	1.58 y	38:27	1.12	47.8		2.50	-	-	*	-
13C-PCB-118	4.88e+07	1.60 y	38:25	1.35	99.5		2.50				99.5
PCB-114	2.50e+07	1.59 y	39:05	1.13	47.9		2.50	-	-	*	-
13C-PCB-114	4.62e+07	1.60 y	39:03	1.29	98.6		2.50				98.6
PCB-105	2.41e+07	1.58 y	39:53	1.10	48.5		2.50	-	-	*	-
13C-PCB-105	4.51e+07	1.60 y	39:53	1.28	97.3		2.50				97.3
PCB-126	2.21e+07	1.55 y	41:59	1.08	49.9		2.50	-	-	*	-
13C-PCB-126	4.08e+07	1.62 y	41:58	1.23	91.5		2.50				91.5
PCB-167	2.29e+07	1.24 y	43:22	1.11	48.4		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.29 y	43:22	1.23	95.8		2.50				95.8
PCB-156	2.29e+07	1.25 y	44:36	1.13	48.4		2.50	-	-	*	-
13C-PCB-156	4.20e+07	1.27 y	44:34	1.19	97.6		2.50				97.6
PCB-157	2.26e+07	1.26 y	44:51	1.08	49.2		2.50	-	-	*	-
13C-PCB-157	4.25e+07	1.27 y	44:49	1.21	96.7		2.50				96.7
PCB-169	2.20e+07	1.28 y	46:43	1.08	50.3		2.50	-	-	*	-
13C-PCB-169	4.05e+07	1.27 y	46:43	1.17	95.7		2.50				95.7
PCB-188	2.17e+07	1.05 y	39:41	1.10	49.8		2.50	-	-	*	-
13C-PCB-188	3.97e+07	1.08 y	39:40	1.13	97.4		2.50				97.4
PCB-189	1.83e+07	1.05 y	48:23	1.07	50.2		2.50	-	-	*	-
13C-PCB-189	3.41e+07	1.07 y	48:23	0.97	97.5		2.50				97.5
PCB-202	1.80e+07	0.92 y	44:47	1.03	49.5		2.50	-	-	*	-
13C-PCB-202	3.53e+07	0.91 y	44:46	0.96	102		2.50				102
13C-PCB-178	2.76e+07	1.05 y	42:18	0.78	98.3		2.50				98.3
13C-PCB-138	3.62e+07	1.29 y	41:30	-	75.3		2.50				

Client ID: 1668 CS399 R190905A ConCal: NA EndCal: NA
Results: GC Column: DB1MS Amount: 1.000

PCB-205	1.96e+07	0.90 y	50:02	1.09	49.5	2.50	-	-	*	-
13C-PCB-205	3.65e+07	0.88 y	50:02	1.32	98.2	2.50				98.2
PCB-208	1.96e+07	1.36 y	49:07	1.01	49.5	2.50	-	-	*	-
13C-PCB-208	3.92e+07	0.80 y	49:07	1.38	101	2.50				101
PCB-206	1.30e+07	1.33 y	51:14	1.04	49.9	2.50	-	-	*	-
13C-PCB-206	2.51e+07	0.79 y	51:13	0.94	94.8	2.50				94.8
PCB-209	1.70e+07	1.18 y	52:25	1.13	49.1	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.22 y	52:25	1.10	98.6	2.50				98.6
13C-PCB-194	2.82e+07	0.90 y	49:47	-	74.1	2.50				

Analyst: [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:8 Analysis Date: 22-JUL-20 14:52:38

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

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

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

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

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

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.32e+07	3.23 y	14:31	1.21	51.0		2.50	-	-	*	-
13C-PCB-1	7.00e+07	3.09 y	14:30	0.90	94.4		2.50				94.4
PCB-3	4.31e+07	3.15 y	16:56	1.23	48.9		2.50	-	-	*	-
13C-PCB-3	7.16e+07	3.31 y	16:55	0.93	93.3		2.50				93.3
PCB-4	2.69e+07	1.47 y	18:11	1.14	46.7		2.50	-	-	*	-
13C-PCB-4	5.04e+07	1.60 y	18:09	0.66	92.8		2.50				92.8
PCB-15	4.76e+07	1.51 y	23:41	1.09	52.2		2.50	-	-	*	-
13C-PCB-15	8.36e+07	1.61 y	23:39	1.09	93.3		2.50				93.3
PCB-19	2.41e+07	1.06 y	22:04	1.21	50.5		2.50	-	-	*	-
13C-PCB-19	3.94e+07	1.11 y	22:02	0.50	94.6		2.50				94.6
13C-PCB-9	8.25e+07	1.59 y	19:49	-	80.8		2.50				
PCB-37	3.91e+07	1.05 y	30:19	1.14	51.0		2.50	-	-	*	-
13C-PCB-37	6.71e+07	1.04 y	30:17	1.64	102		2.50				102
PCB-54	6.21e+07	0.76 y	25:35	1.18	105		2.50	-	-	*	-
13C-PCB-54	4.99e+07	0.80 y	25:34	1.26	98.1		2.50				98.1
PCB-104	4.76e+07	1.57 y	30:02	1.12	106		2.50	-	-	*	-
13C-PCB-104	4.03e+07	1.60 y	29:60	1.02	97.9		2.50				97.9
13C-PCB-28	7.60e+07	1.06 y	26:39	1.73	109		2.50				109
13C-PCB-52	4.03e+07	0.79 y	28:54	-	75.8		2.50				
PCB-81	7.19e+07	0.77 y	36:05	1.13	112		2.50	-	-	*	-
13C-PCB-81	5.66e+07	0.80 y	36:03	1.57	104		2.50				104
PCB-77	6.50e+07	0.79 y	36:39	1.10	100		2.50	-	-	*	-
13C-PCB-77	5.89e+07	0.80 y	36:38	1.61	105		2.50				105
PCB-155	4.14e+07	1.32 y	34:11	1.13	107		2.50	-	-	*	-
13C-PCB-155	3.40e+07	1.34 y	34:10	1.10	88.6		2.50				88.6
13C-PCB-111	4.76e+07	1.62 y	36:14	1.27	108		2.50				108
13C-PCB-101	3.48e+07	1.68 y	34:35	-	73.0		2.50				
PCB-123	5.02e+07	1.62 y	38:17	1.11	95.7		2.50	-	-	*	-
13C-PCB-123	4.73e+07	1.60 y	38:16	1.28	95.2		2.50				95.2
PCB-118	1.14e+08	1.55 y	38:29	1.12	207		2.50	-	-	*	-
13C-PCB-118	4.91e+07	1.59 y	38:26	1.35	93.6		2.50				93.6
PCB-114	6.17e+07	1.55 y	39:05	1.13	121		2.50	-	-	*	-
13C-PCB-114	4.52e+07	1.64 y	39:04	1.29	90.1		2.50				90.1
PCB-105	5.79e+07	1.58 y	39:53	1.10	111		2.50	-	-	*	-
13C-PCB-105	4.72e+07	1.57 y	39:51	1.28	95.0		2.50				95.0
PCB-126	5.35e+07	1.60 y	41:60	1.08	111		2.50	-	-	*	-
13C-PCB-126	4.44e+07	1.62 y	41:58	1.23	93.1		2.50				93.1
PCB-167	5.26e+07	1.26 y	43:22	1.11	106		2.50	-	-	*	-
13C-PCB-167	4.48e+07	1.27 y	43:20	1.23	94.2		2.50				94.2
PCB-156	5.38e+07	1.27 y	44:36	1.13	111		2.50	-	-	*	-
13C-PCB-156	4.32e+07	1.31 y	44:34	1.19	93.9		2.50				93.9
PCB-157	5.18e+07	1.26 y	44:51	1.08	112		2.50	-	-	*	-
13C-PCB-157	4.29e+07	1.29 y	44:49	1.21	91.2		2.50				91.2
PCB-169	4.35e+07	1.21 y	46:43	1.08	96.1		2.50	-	-	*	-
13C-PCB-169	4.20e+07	1.25 y	46:41	1.17	92.7		2.50				92.7
PCB-188	4.66e+07	1.05 y	39:40	1.10	108		2.50	-	-	*	-
13C-PCB-188	3.94e+07	1.09 y	39:40	1.13	90.3		2.50				90.3
PCB-189	3.80e+07	1.04 y	48:23	1.07	100		2.50	-	-	*	-
13C-PCB-189	3.55e+07	1.06 y	48:22	0.97	94.8		2.50				94.8
PCB-202	4.88e+07	0.93 y	44:46	1.03	145		2.50	-	-	*	-
13C-PCB-202	3.27e+07	0.89 y	44:46	0.96	88.3		2.50				88.3
13C-PCB-178	3.18e+07	1.07 y	42:16	0.78	106		2.50				106
13C-PCB-138	3.87e+07	1.27 y	41:30	-	80.6		2.50				

FAL ID: ST072220Z6 Filename: 22JUL20Z Sam:8 Acquired: 22-JUL-20 14:52:38 ICal: 1668PCBFAL4-7-22-20
Client ID: CS20998 200406A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.56e+07	0.88 y	50:02	1.09	156	2.50	-	-	*	-
13C-PCB-205	3.89e+07	0.91 y	50:01	1.32	95.6	2.50				95.6
PCB-208	6.35e+07	1.35 y	49:07	1.01	157	2.50	-	-	*	-
13C-PCB-208	4.03e+07	0.79 y	49:06	1.38	94.8	2.50				94.8
PCB-206	4.51e+07	1.35 y	51:14	1.04	158	2.50	-	-	*	-
13C-PCB-206	2.75e+07	0.80 y	51:13	0.94	95.1	2.50				95.1
PCB-209	5.44e+07	1.16 y	52:25	1.13	157	2.50	-	-	*	-
13C-PCB-209	3.07e+07	1.21 y	52:24	1.10	90.3	2.50				90.3
13C-PCB-194	3.09e+07	0.91 y	49:47	-	81.0	2.50				

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

Frontier Analytical Laboratory

NATIVES
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
PCB-1	M/M+2	3.16	2.66-3.60	y	49.5	37.5 - 62.5
PCB-3	M/M+2	3.12	2.66-3.60	y	47.0	37.5 - 62.5
PCB-4	M/M+2	1.52	1.33-1.79	y	49.8	37.5 - 62.5
PCB-15	M/M+2	1.52	1.33-1.79	y	53.7	37.5 - 62.5
PCB-19	M/M+2	1.07	0.88-1.20	y	52.4	37.5 - 62.5
PCB-37	M/M+2	1.10	0.88-1.20	y	57.6	37.5 - 62.5
PCB-54	M/M+2	0.76	0.65-0.89	y	95.9	75.0 - 125
PCB-77	M/M+2	0.81	0.65-0.89	y	100	75.0 - 125
PCB-81	M/M+2	0.79	0.65-0.89	y	111	75.0 - 125
PCB-104	M+2/M+4	1.53	1.32-1.78	y	100	75.0 - 125
PCB-105	M+2/M+4	1.62	1.32-1.78	y	116	75.0 - 125
PCB-114	M+2/M+4	1.58	1.32-1.78	y	118	75.0 - 125
PCB-118	M+2/M+4	1.61	1.32-1.78	y	211	150 - 250
PCB-123	M+2/M+4	1.61	1.32-1.78	y	103	75.0 - 125
PCB-126	M+2/M+4	1.58	1.32-1.78	y	112	75.0 - 125
PCB-155	M+2/M+4	1.31	1.05-1.43	y	112	75.0 - 125
PCB-156	M+2/M+4	1.23	1.05-1.43	y	105	75.0 - 125
PCB-157	M+2/M+4	1.24	1.05-1.43	y	106	75.0 - 125
PCB-167	M+2/M+4	1.22	1.05-1.43	y	102	75.0 - 125
PCB-169	M+2/M+4	1.24	1.05-1.43	y	103	75.0 - 125
PCB-188	M+2/M+4	1.05	0.89-1.21	y	103	75.0 - 125
PCB-189	M+2/M+4	1.05	0.89-1.21	y	102	75.0 - 125
PCB-202	M+2/M+4	0.94	0.76-1.02	y	152	112.5 - 187.5
PCB-205	M+2/M+4	0.89	0.76-1.02	y	153	112.5 - 187.5
PCB-206	M+4/M+6	1.36	1.13-1.53	y	159	112.5 - 187.5
PCB-208	M+4/M+6	1.36	1.13-1.53	y	154	112.5 - 187.5
PCB-209	M+4/M+6	1.18	0.99-1.33	y	153	112.5 - 187.5

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

Frontier Analytical Laboratory

FORM 4B
209 PCB CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Initial Calibration Date: 7/22/20

Instrument ID: FAL4 GC Column ID: DB1MS

VER Data Filename: 22JUL20Z Sam:20 Analysis Date: 23-JUL-20 02:32:55

	M/Z'S FORMING RATIO	ION ABUND. RATIO	QC LIMITS	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL)
LABELED COMPOUNDS						
13C-PCB-1	M/M+2	3.23	2.66-3.60	y	97.5	50.0 - 145
13C-PCB-3	M/M+2	3.24	2.66-3.60	y	92.3	50.0 - 145
13C-PCB-4	M/M+2	1.55	1.33-1.79	y	96.1	50.0 - 145
13C-PCB-15	M/M+2	1.60	1.33-1.79	y	91.9	50.0 - 145
13C-PCB-19	M/M+2	1.09	0.88-1.20	y	92.8	50.0 - 145
13C-PCB-37	M/M+2	1.07	0.88-1.20	y	70.8	50.0 - 145
13C-PCB-54	M/M+2	0.78	0.65-0.89	y	99.2	50.0 - 145
13C-PCB-77	M/M+2	0.79	0.65-0.89	y	91.8	50.0 - 145
13C-PCB-81	M/M+2	0.78	0.65-0.89	y	90.7	50.0 - 145
13C-PCB-104	M+2/M+4	1.60	1.32-1.78	y	113	50.0 - 145
13C-PCB-105	M+2/M+4	1.58	1.32-1.78	y	78.6	50.0 - 145
13C-PCB-114	M+2/M+4	1.59	1.32-1.78	y	83.7	50.0 - 145
13C-PCB-118	M+2/M+4	1.61	1.32-1.78	y	83.3	50.0 - 145
13C-PCB-123	M+2/M+4	1.59	1.32-1.78	y	80.7	50.0 - 145
13C-PCB-126	M+2/M+4	1.62	1.32-1.78	y	82.7	50.0 - 145
13C-PCB-155	M+2/M+4	1.34	1.05-1.43	y	86.1	50.0 - 145
13C-PCB-156	M+2/M+4	1.26	1.05-1.43	y	91.1	50.0 - 145
13C-PCB-157	M+2/M+4	1.27	1.05-1.43	y	93.9	50.0 - 145
13C-PCB-167	M+2/M+4	1.26	1.05-1.43	y	91.3	50.0 - 145
13C-PCB-169	M+2/M+4	1.26	1.05-1.43	y	92.2	50.0 - 145
13C-PCB-188	M+2/M+4	1.07	0.89-1.21	y	96.6	50.0 - 145
13C-PCB-189	M+2/M+4	1.04	0.89-1.21	y	96.9	50.0 - 145
13C-PCB-202	M+2/M+4	0.90	0.76-1.02	y	90.6	50.0 - 145
13C-PCB-205	M+2/M+4	0.90	0.76-1.02	y	95.2	50.0 - 145
13C-PCB-206	M+2/M+4	0.79	0.65-0.89	y	97.2	50.0 - 145
13C-PCB-208	M+2/M+4	0.80	0.65-0.89	y	98.4	50.0 - 145
13C-PCB-209	M+4/M+6	1.20	0.99-1.33	y	98.9	50.0 - 145
CLEANUP STANDARDS						
13C-PCB-28	M/M+2	1.03	0.88-1.20	y	84.4	65.0 - 135
13C-PCB-111	M+2/M+4	1.61	1.32-1.78	y	101	75.0 - 125
13C-PCB-178	M+2/M+4	1.07	0.89-1.21	y	108	75.0 - 125

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

FAL ID: SS072220Z1 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec
PCB-1	4.37e+07	3.17 y	14:30	1.21	54.0		2.50	-	-	*	-
13C-PCB-1	6.68e+07	3.19 y	14:29	0.90	95.1		2.50				95.1
PCB-3	4.43e+07	3.15 y	16:56	1.23	52.1		2.50	-	-	*	-
13C-PCB-3	6.91e+07	3.23 y	16:55	0.93	95.0		2.50				95.0
PCB-4	2.66e+07	1.47 y	18:11	1.14	49.6		2.50	-	-	*	-
13C-PCB-4	4.70e+07	1.58 y	18:09	0.66	91.2		2.50				91.2
PCB-15	4.99e+07	1.50 y	23:41	1.09	57.7		2.50	-	-	*	-
13C-PCB-15	7.93e+07	1.58 y	23:40	1.09	93.3		2.50				93.3
PCB-19	2.44e+07	1.06 y	22:04	1.21	55.7		2.50	-	-	*	-
13C-PCB-19	3.61e+07	1.09 y	22:02	0.50	91.5		2.50				91.5
13C-PCB-9	7.82e+07	1.61 y	19:50	-	76.6		2.50				
PCB-37	3.95e+07	1.07 y	30:20	1.14	57.5		2.50	-	-	*	-
13C-PCB-37	6.00e+07	1.04 y	30:18	1.64	92.7		2.50				92.7
PCB-54	6.47e+07	0.77 y	25:35	1.18	115		2.50	-	-	*	-
13C-PCB-54	4.76e+07	0.79 y	25:34	1.26	95.6		2.50				95.6
PCB-104	4.98e+07	1.55 y	30:02	1.12	110		2.50	-	-	*	-
13C-PCB-104	4.06e+07	1.59 y	30:01	1.02	101		2.50				101
13C-PCB-28	6.30e+07	1.03 y	26:38	1.73	92.1		2.50				92.1
13C-PCB-52	3.95e+07	0.79 y	28:55	-	74.3		2.50				
PCB-81	7.58e+07	0.78 y	36:04	1.13	121		2.50	-	-	*	-
13C-PCB-81	5.53e+07	0.80 y	36:03	1.57	92.4		2.50				92.4
PCB-77	6.74e+07	0.80 y	36:39	1.10	108		2.50	-	-	*	-
13C-PCB-77	5.67e+07	0.79 y	36:37	1.61	92.2		2.50				92.2
PCB-155	4.84e+07	1.30 y	34:11	1.13	110		2.50	-	-	*	-
13C-PCB-155	3.90e+07	1.31 y	34:09	1.10	92.5		2.50				92.5
13C-PCB-111	4.54e+07	1.60 y	36:15	1.27	93.7		2.50				93.7
13C-PCB-101	3.81e+07	1.64 y	34:36	-	80.1		2.50				
PCB-123	5.46e+07	1.60 y	38:17	1.11	111		2.50	-	-	*	-
13C-PCB-123	4.42e+07	1.58 y	38:16	1.28	90.7		2.50				90.7
PCB-118	1.19e+08	1.58 y	38:29	1.12	218		2.50	-	-	*	-
13C-PCB-118	4.87e+07	1.58 y	38:25	1.35	94.7		2.50				94.7
PCB-114	6.53e+07	1.58 y	39:05	1.13	122		2.50	-	-	*	-
13C-PCB-114	4.74e+07	1.58 y	39:03	1.29	96.5		2.50				96.5
PCB-105	6.07e+07	1.59 y	39:53	1.10	121		2.50	-	-	*	-
13C-PCB-105	4.55e+07	1.60 y	39:51	1.28	93.4		2.50				93.4
PCB-126	5.71e+07	1.62 y	41:59	1.08	122		2.50	-	-	*	-
13C-PCB-126	4.33e+07	1.64 y	41:58	1.23	92.4		2.50				92.4
PCB-167	5.16e+07	1.22 y	43:22	1.11	109		2.50	-	-	*	-
13C-PCB-167	4.26e+07	1.27 y	43:20	1.23	91.2		2.50				91.2
PCB-156	5.37e+07	1.23 y	44:36	1.13	113		2.50	-	-	*	-
13C-PCB-156	4.21e+07	1.25 y	44:34	1.19	93.3		2.50				93.3
PCB-157	5.42e+07	1.24 y	44:51	1.08	115		2.50	-	-	*	-
13C-PCB-157	4.38e+07	1.31 y	44:49	1.21	94.9		2.50				94.9
PCB-169	4.57e+07	1.22 y	46:43	1.08	105		2.50	-	-	*	-
13C-PCB-169	4.03e+07	1.27 y	46:43	1.17	90.7		2.50				90.7
PCB-188	4.93e+07	1.04 y	39:41	1.10	107		2.50	-	-	*	-
13C-PCB-188	4.18e+07	1.05 y	39:40	1.13	97.6		2.50				97.6
PCB-189	4.15e+07	1.05 y	48:23	1.07	112		2.50	-	-	*	-
13C-PCB-189	3.48e+07	1.07 y	48:23	0.97	94.7		2.50				94.7
PCB-202	5.50e+07	0.92 y	44:47	1.03	168		2.50	-	-	*	-
13C-PCB-202	3.17e+07	0.91 y	44:46	0.96	87.3		2.50				87.3
13C-PCB-178	3.01e+07	1.07 y	42:18	0.78	102		2.50				102
13C-PCB-138	3.80e+07	1.27 y	41:30	-	79.0		2.50				

FAL ID: SS072220Z1 Filename: 22JUL20Z Sam:9 Acquired: 22-JUL-20 15:50:59 ICal: 1668PCBFAL4-7-22-20
Client ID: 2nd Source 170815A ConCal: ST072220Z6 EndCal: ST072220Z7
Results: 13203 GC Column: DB1MS Amount: 1.000

PCB-205	6.65e+07	0.90	y	50:02	1.09	166	2.50	-	-	*	-
13C-PCB-205	3.68e+07	0.90	y	50:02	1.32	93.3	2.50				93.3
PCB-208	6.52e+07	1.32	y	49:07	1.01	166	2.50	-	-	*	-
13C-PCB-208	3.91e+07	0.80	y	49:06	1.38	94.6	2.50				94.6
PCB-206	4.57e+07	1.34	y	51:14	1.04	167	2.50	-	-	*	-
13C-PCB-206	2.63e+07	0.78	y	51:13	0.94	93.5	2.50				93.5
PCB-209	5.61e+07	1.21	y	52:25	1.13	166	2.50	-	-	*	-
13C-PCB-209	3.00e+07	1.17	y	52:23	1.10	90.7	2.50				90.7
13C-PCB-194	3.00e+07	0.90	y	49:47	-	78.8	2.50				

Analyst: _____ Date: 7/28/20

Frontier Analytical Laboratory - Acquisition Log

Run Name:22JUL20Z Instrument: FAL4 GC: DB1MS Experiment:1668PCB

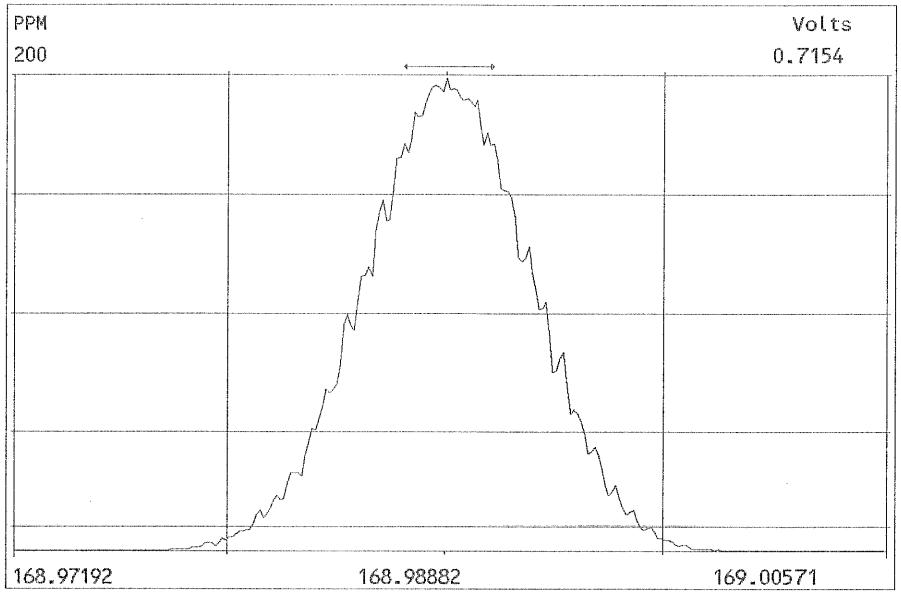
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
22JUL20Z	1	ST072220Z0	1668 CS099 R181022A	22-JUL-20 08:04:10	NA	NA	BS
22JUL20Z	2	ST072220Z1	1668 CS199 R170213A	22-JUL-20 09:02:30	NA	NA	BS
22JUL20Z	3	ST072220Z2	1668 CS299 R170213B	22-JUL-20 10:00:51	NA	NA	BS
22JUL20Z	4	ST072220Z3	1668 CS399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

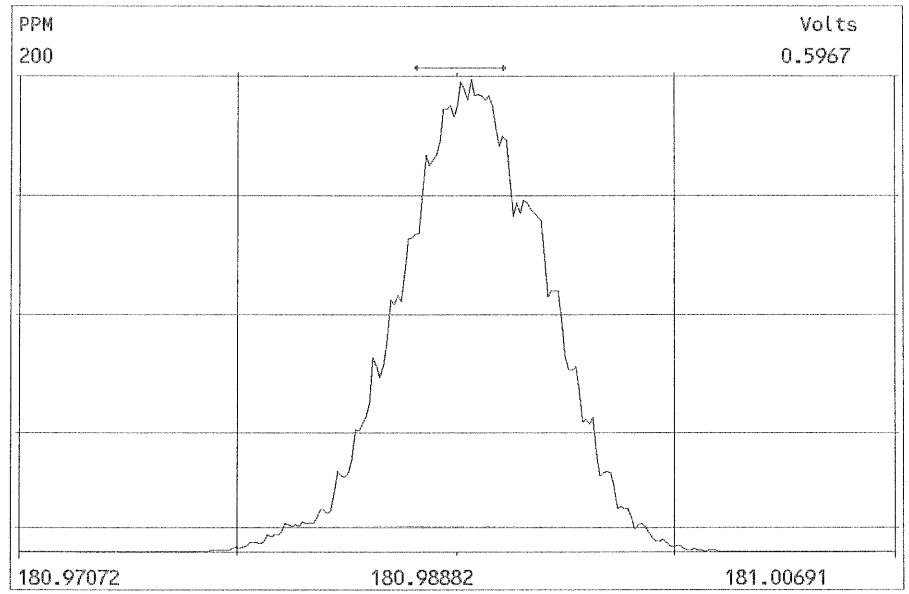
7/28/20

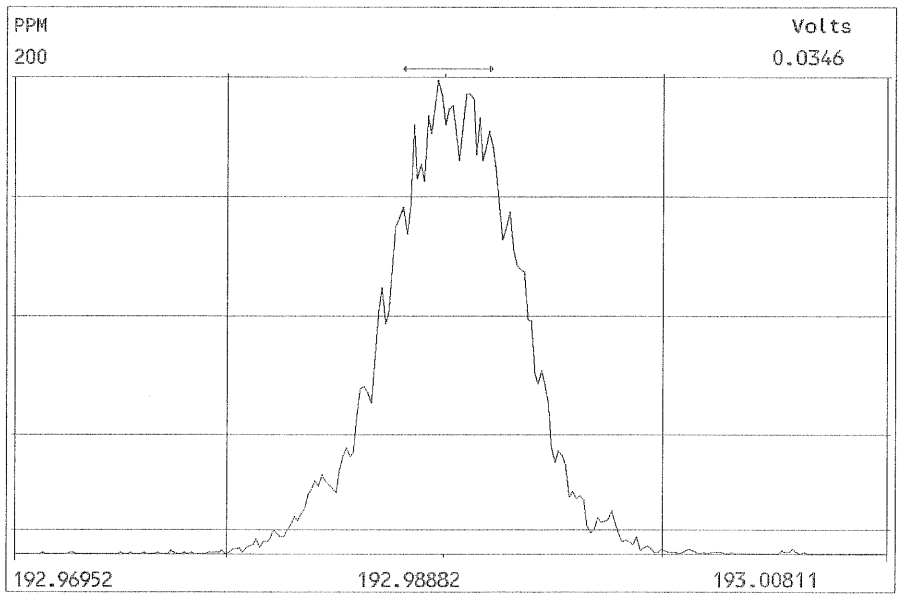
Data Backed Up:_____

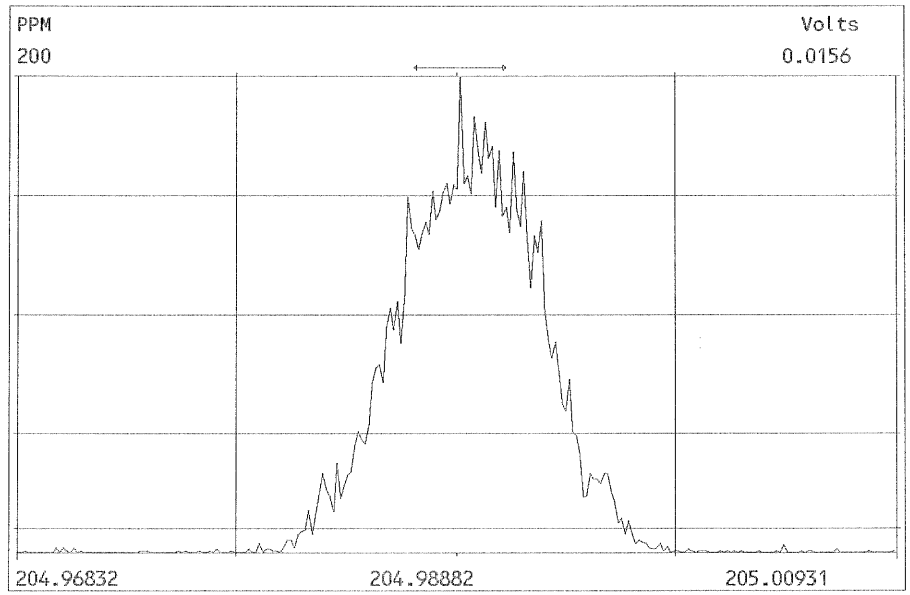
Date:_____

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

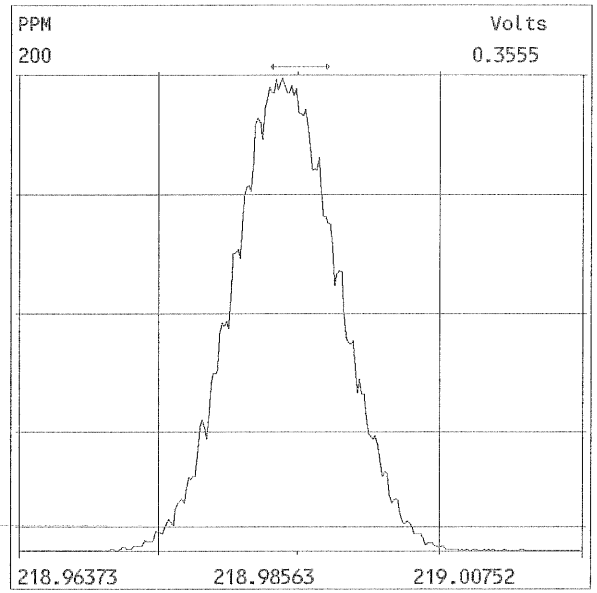


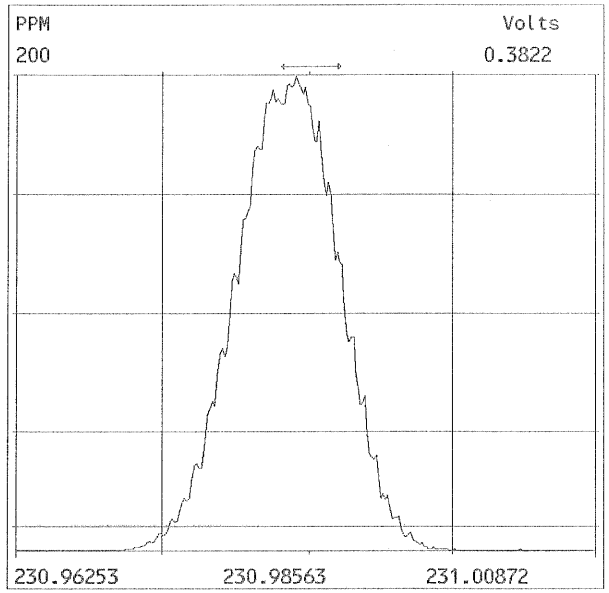


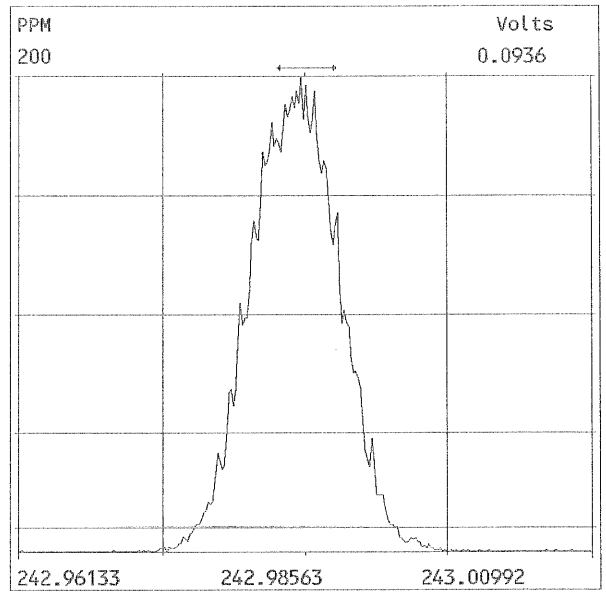


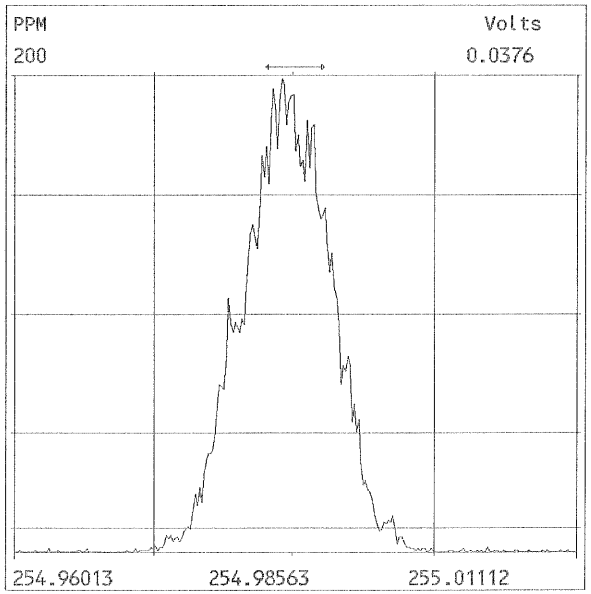


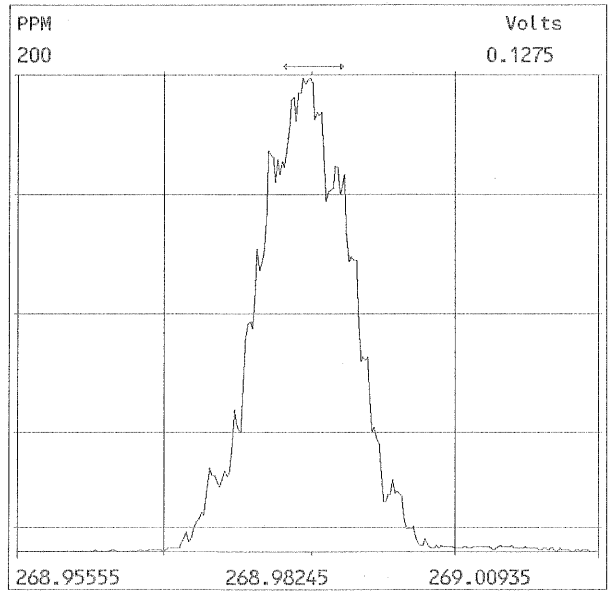
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:2 Reference:PFK 99

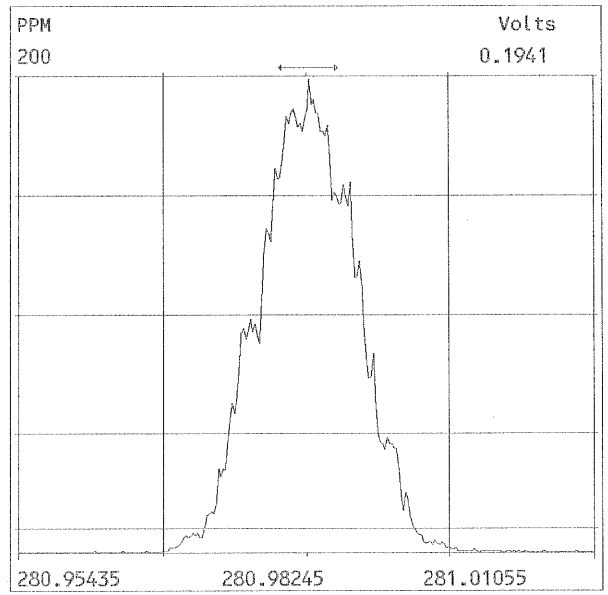




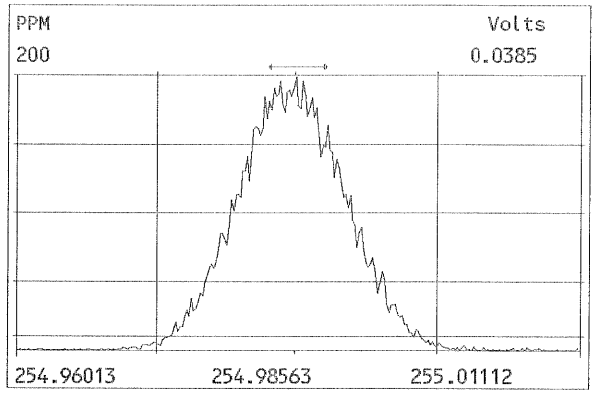


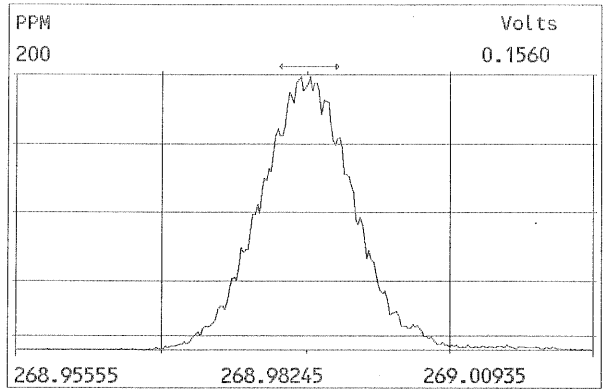


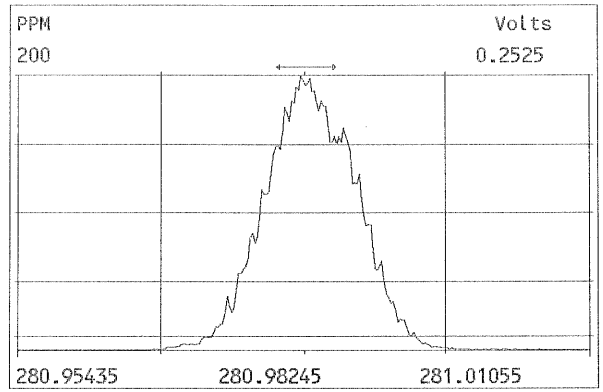


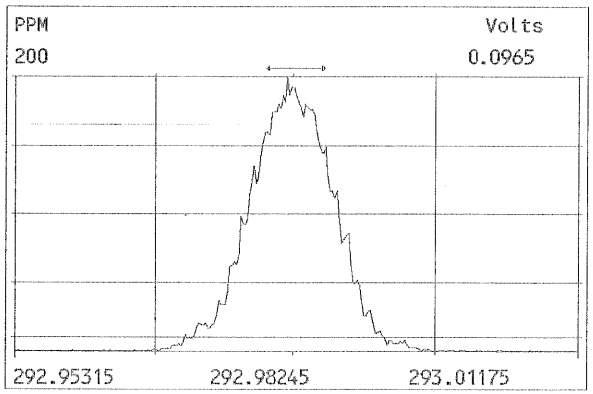


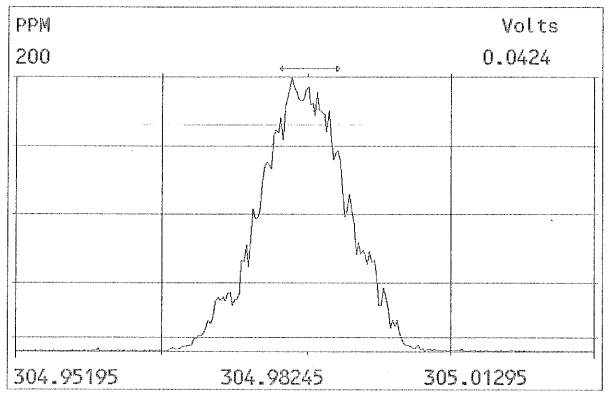
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:3 Reference:PFK99

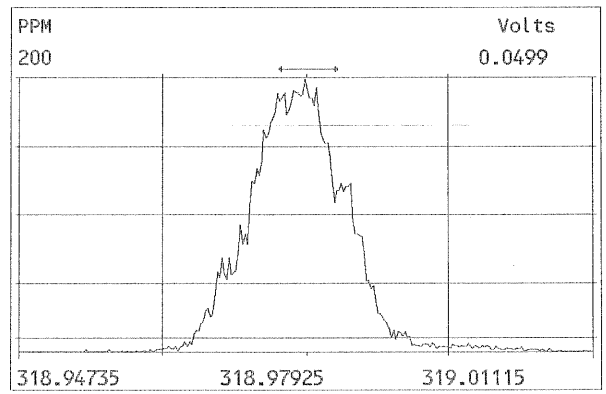


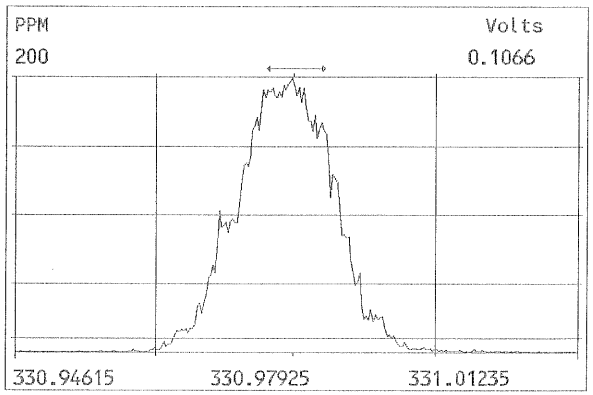


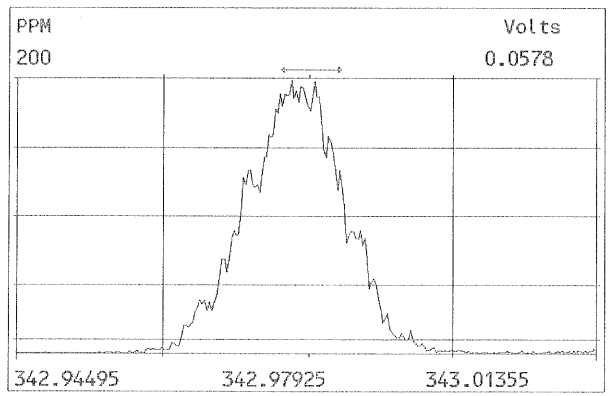




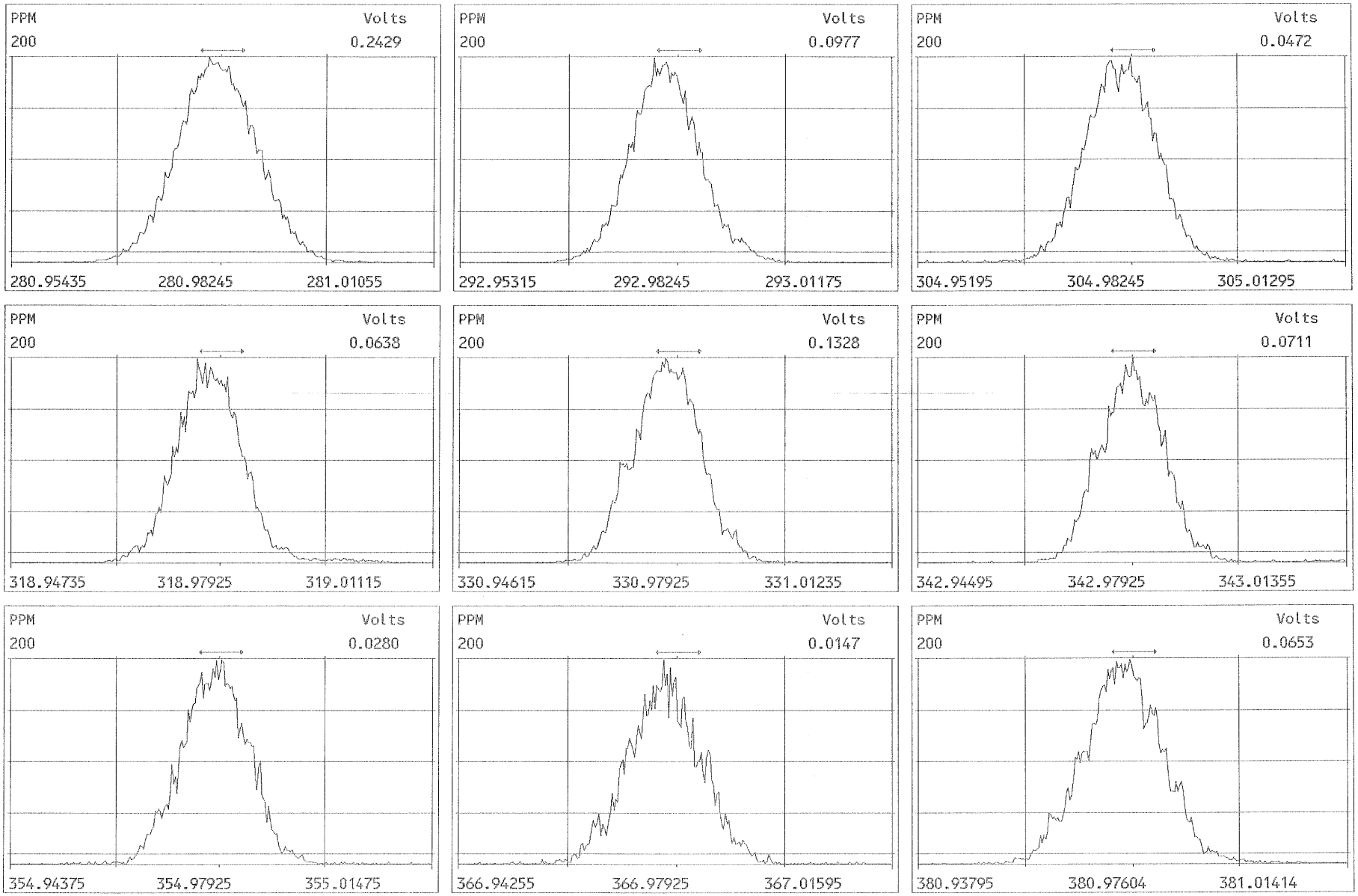




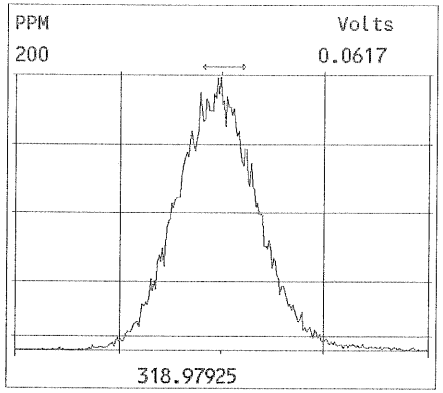


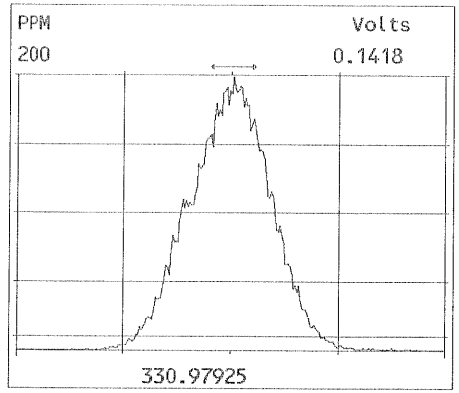


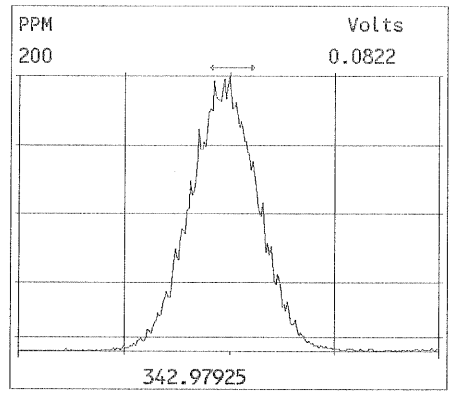
Peak Locate Examination:22-JUL-2020:08:01 File:22JUL20Z
Experiment:1668PCB Function:4 Reference:PFK99

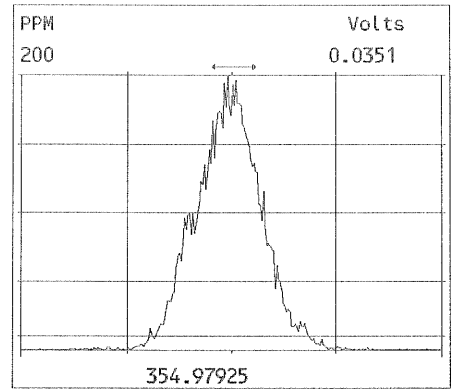


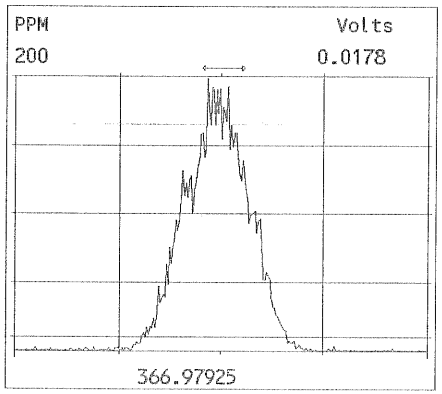
Peak Locate Examination:22-JUL-2020:08:02 File:22JUL20Z
Experiment:1668PCB Function:5 Reference:PFK 99

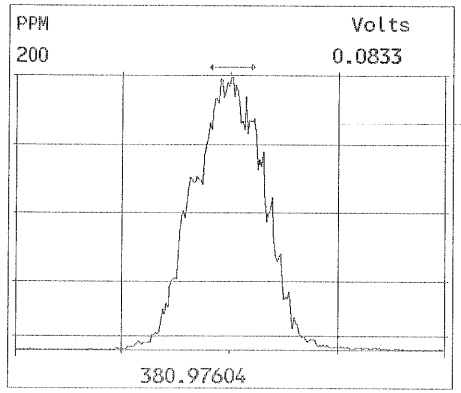


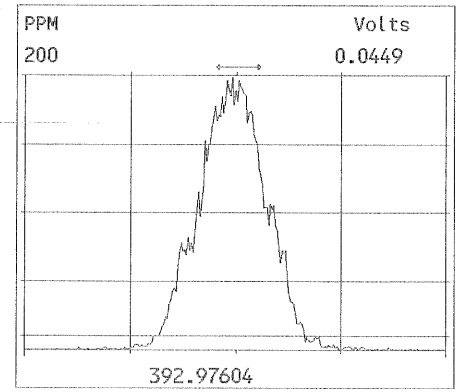


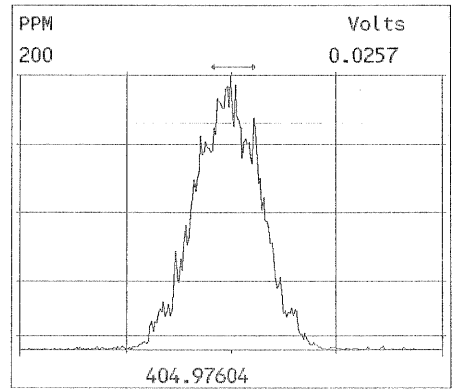


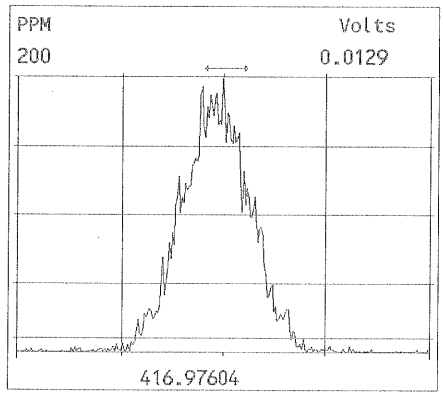


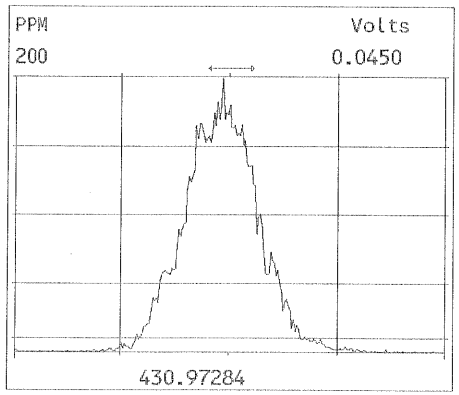


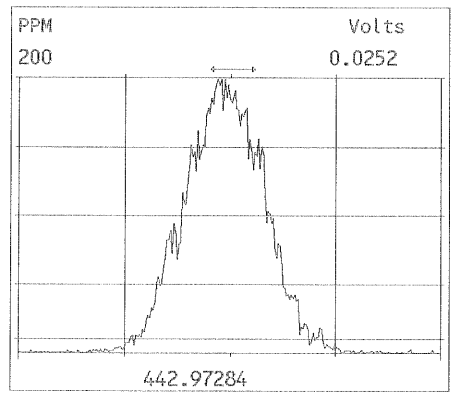




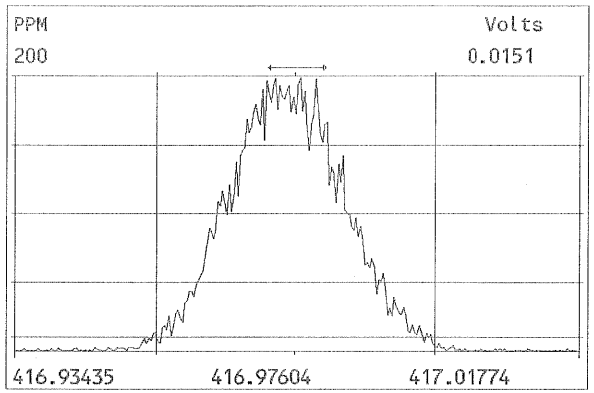


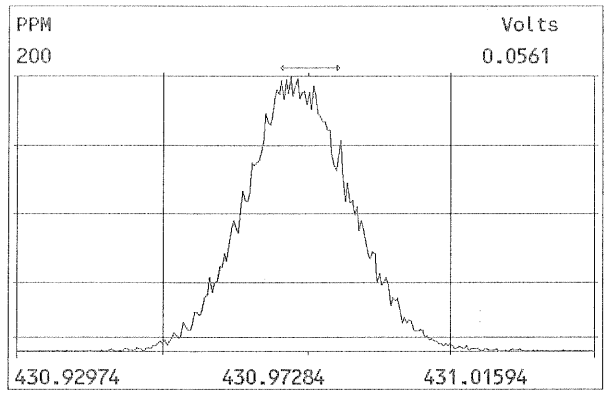


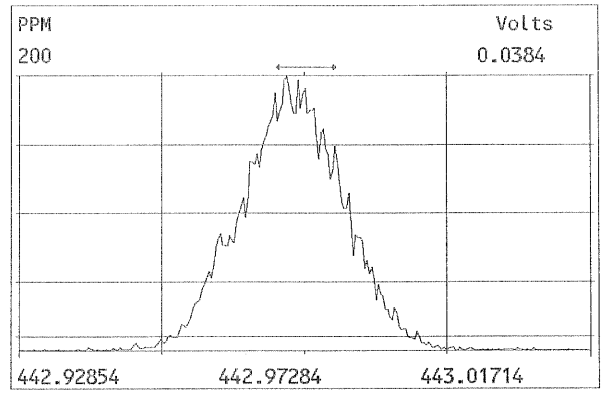


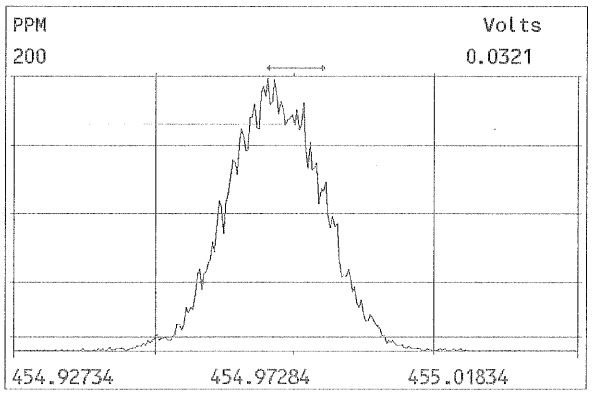


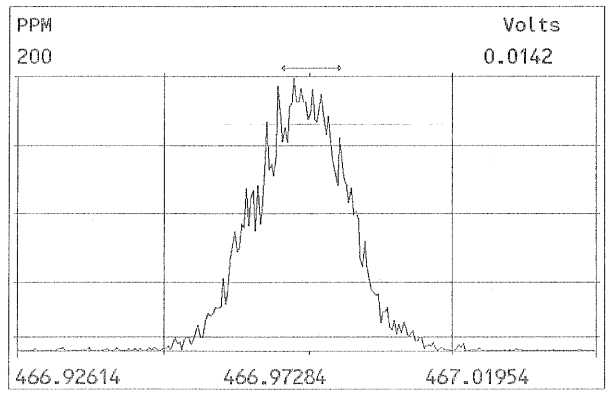
Peak Locate Examination:22-JUL-2020:08:03 File:22JUL20Z
Experiment:1668PCB Function:6 Reference:PFK99

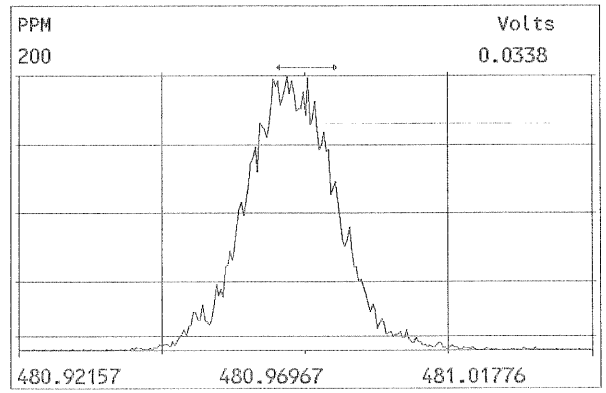


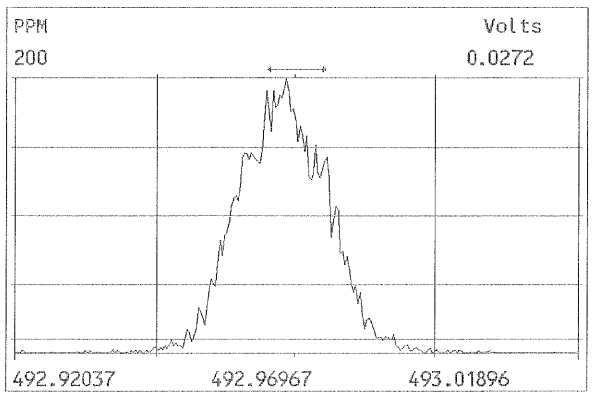


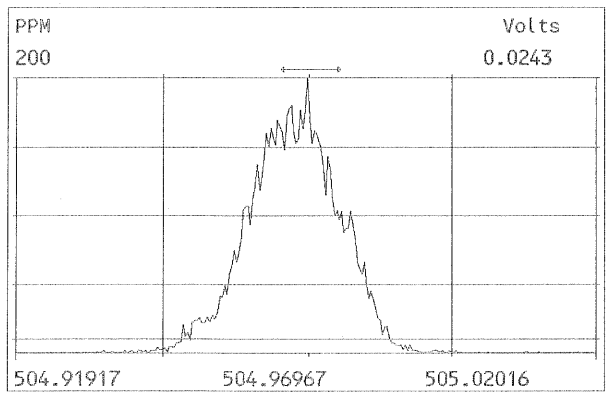


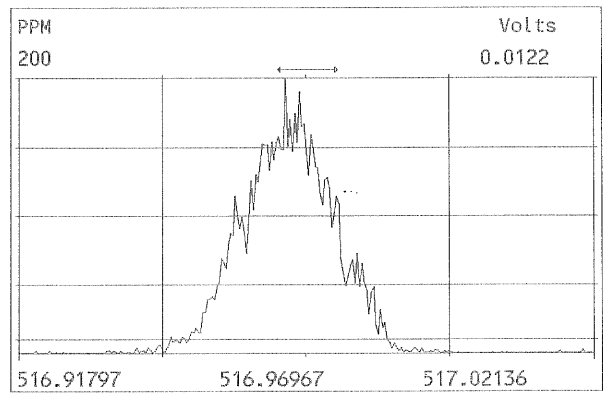




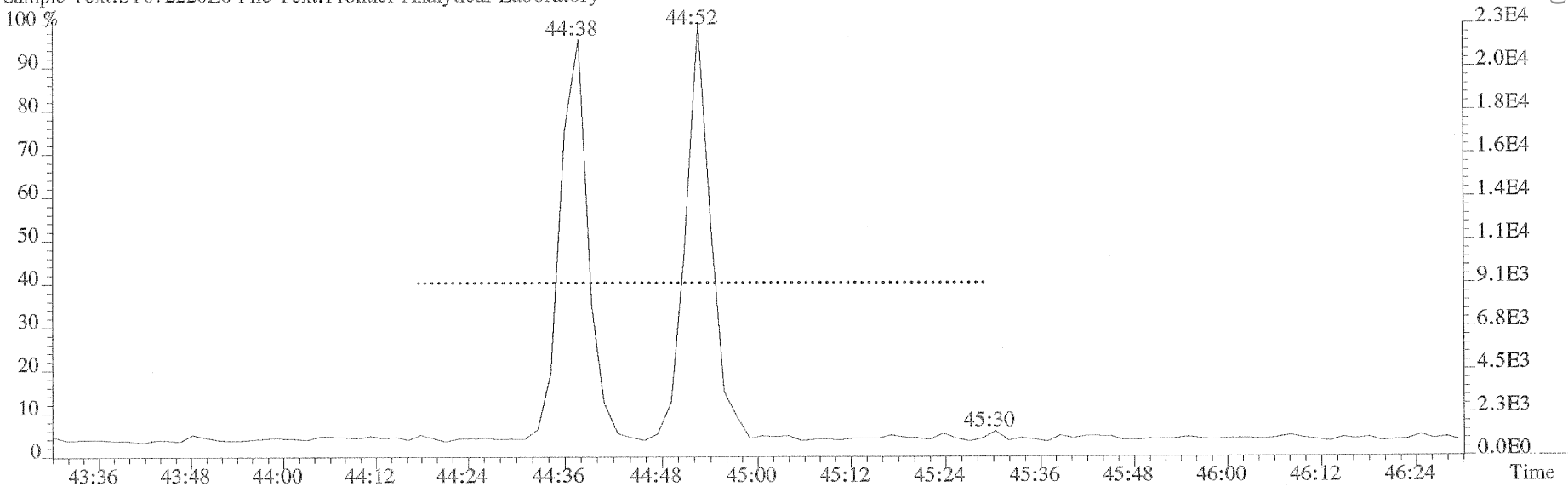








File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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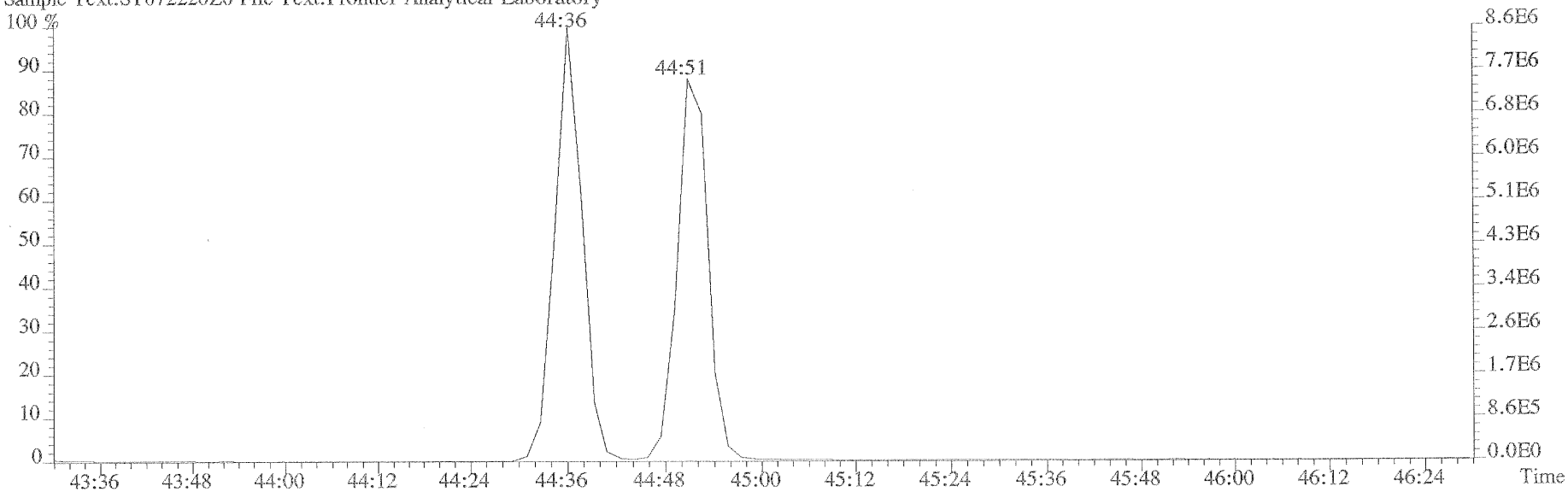
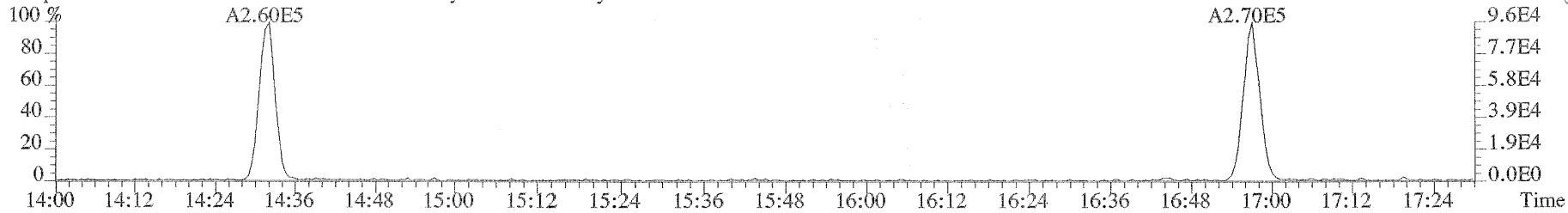
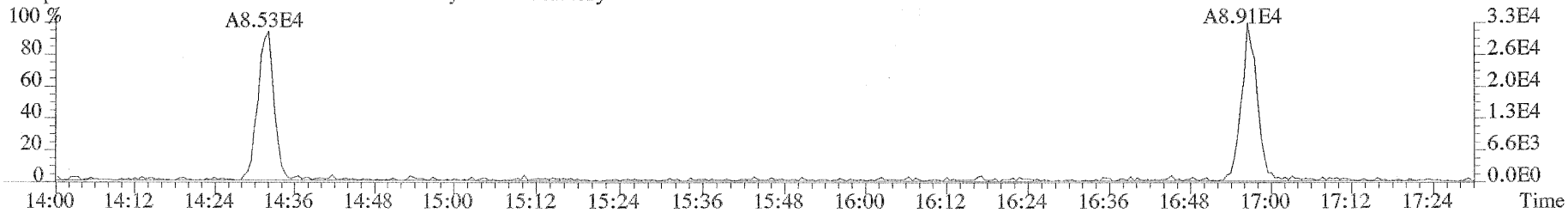


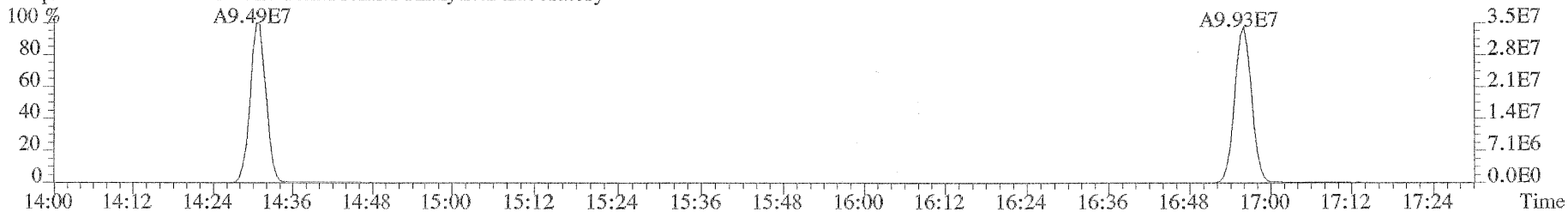
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



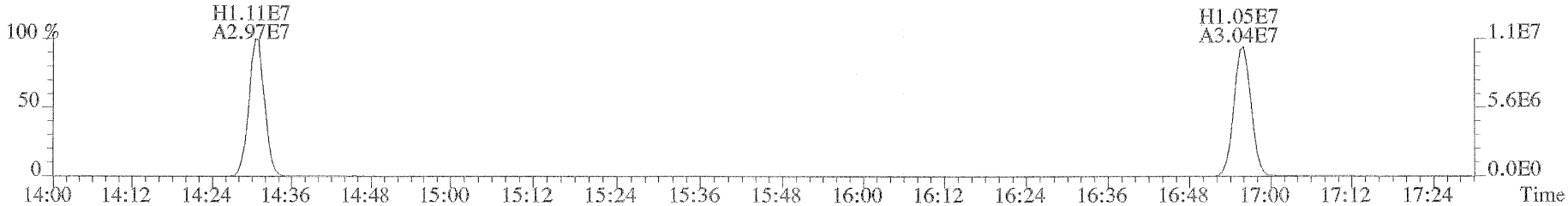
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



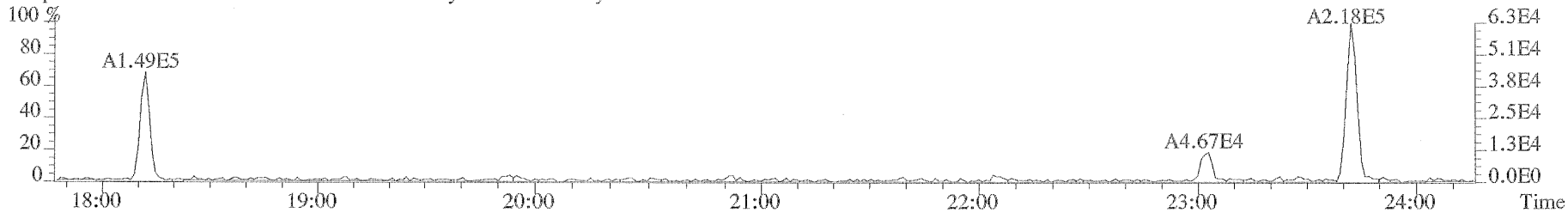
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



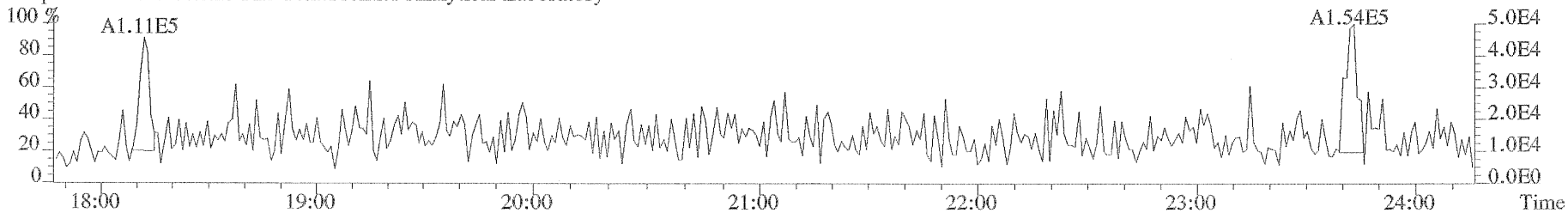
File:22JUL20Z #1-784 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



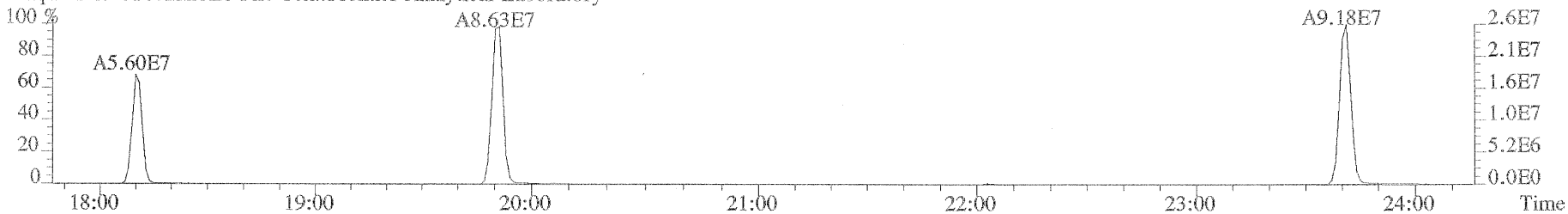
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



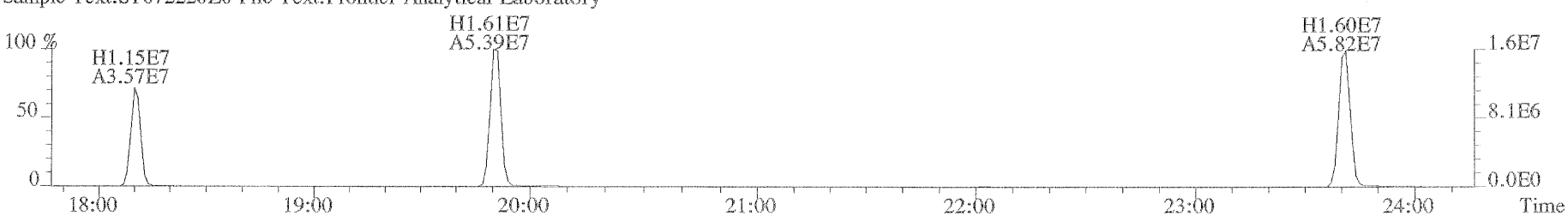
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



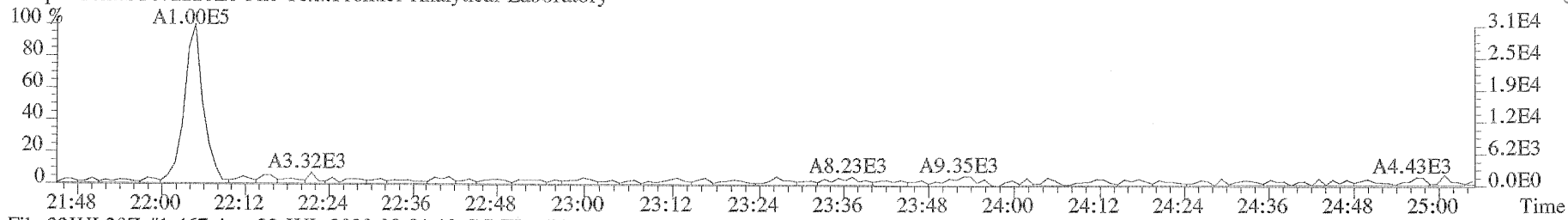
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



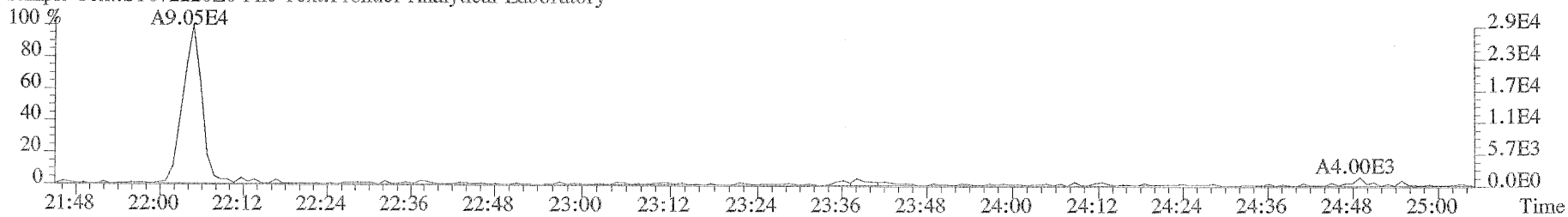
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



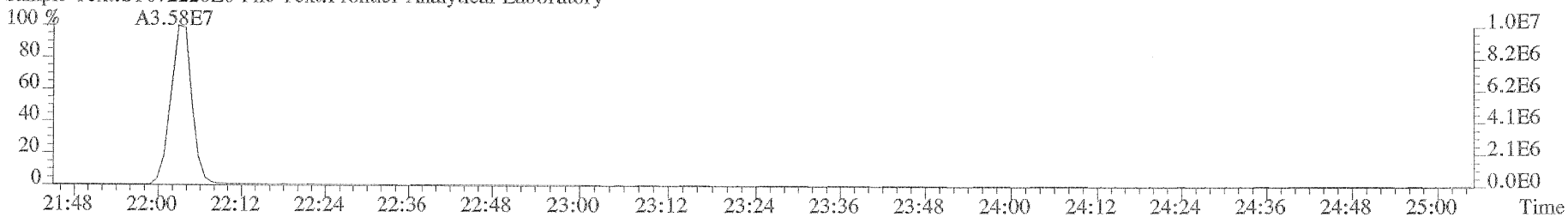
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



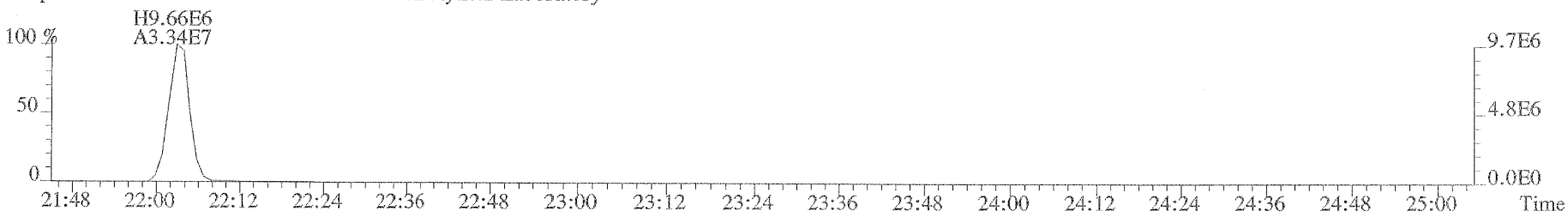
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



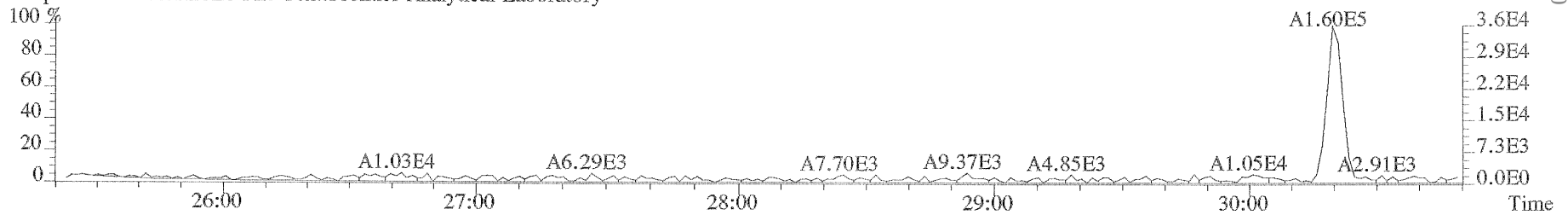
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



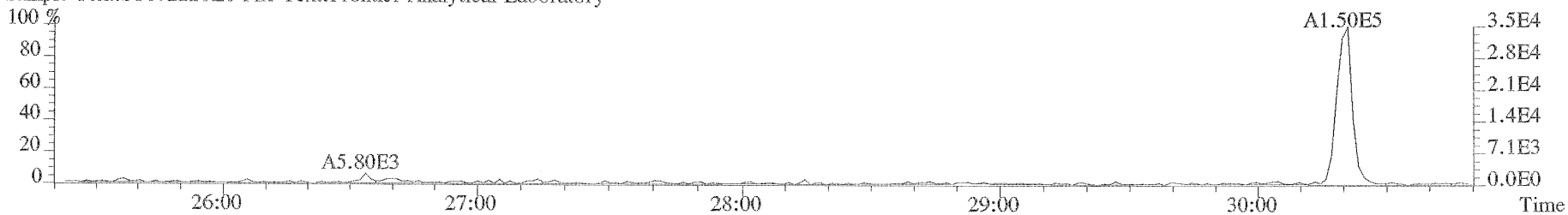
File:22JUL20Z #1-467 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



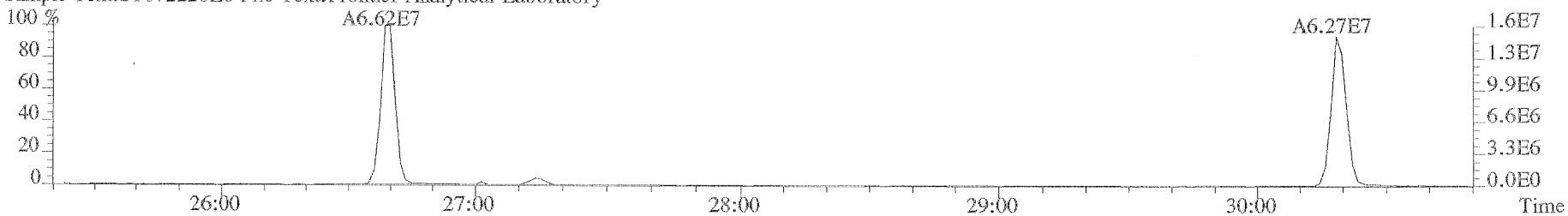
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



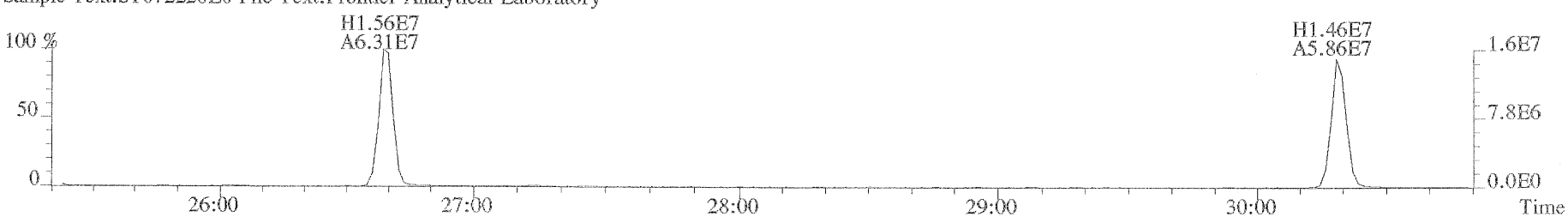
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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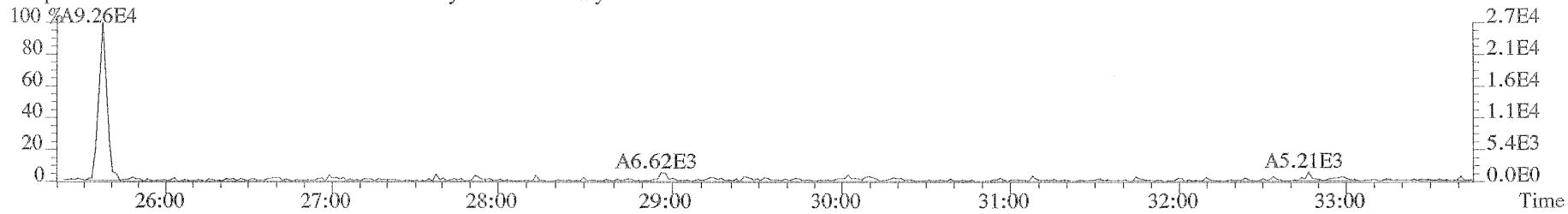
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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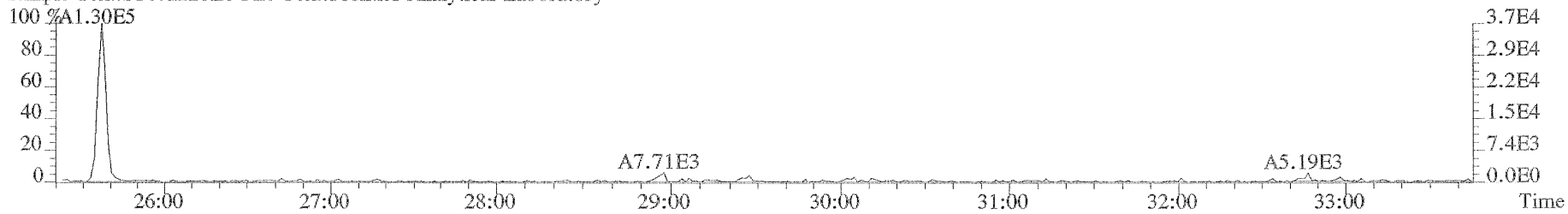
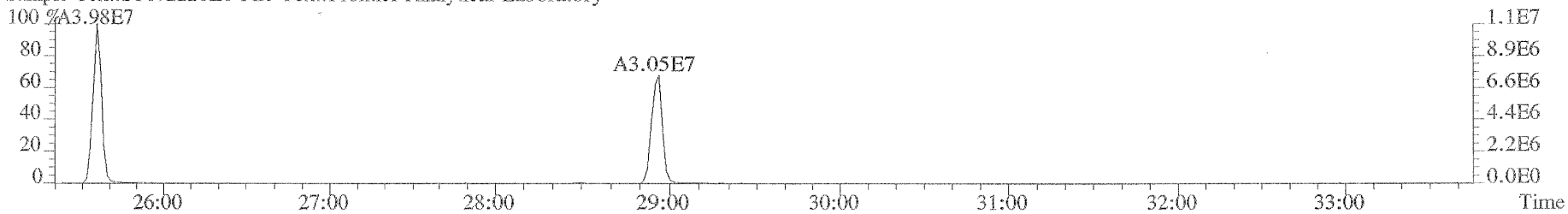
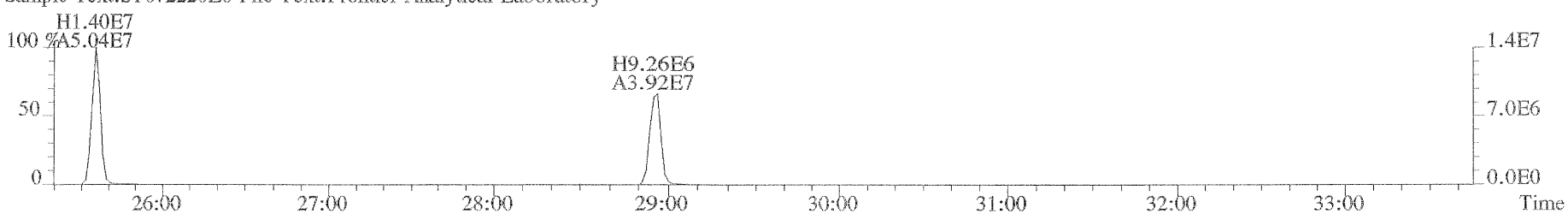
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



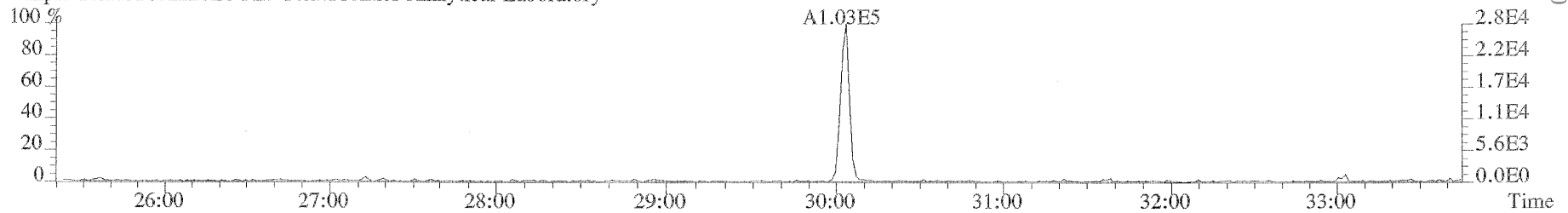
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



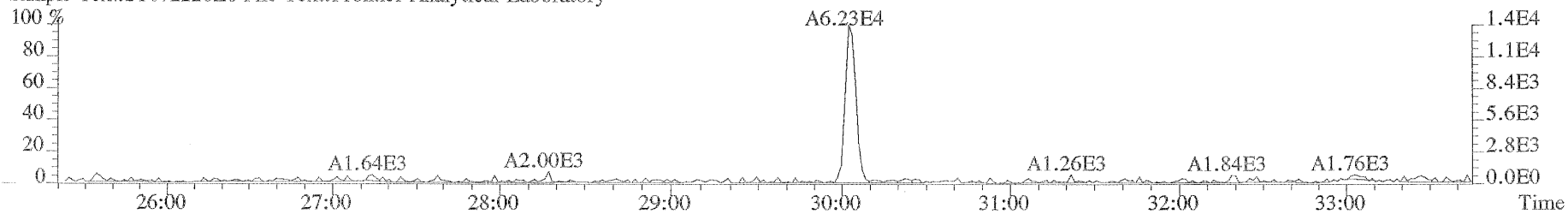
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



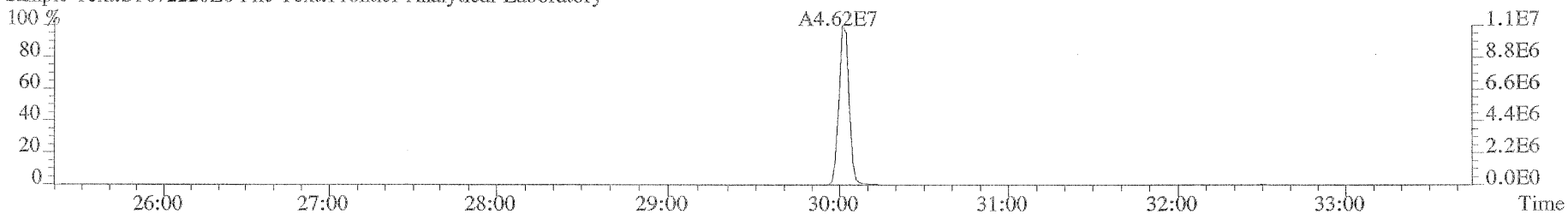
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



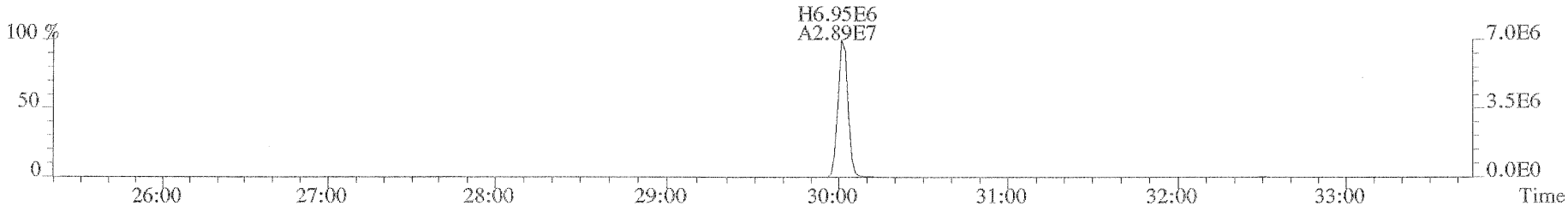
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



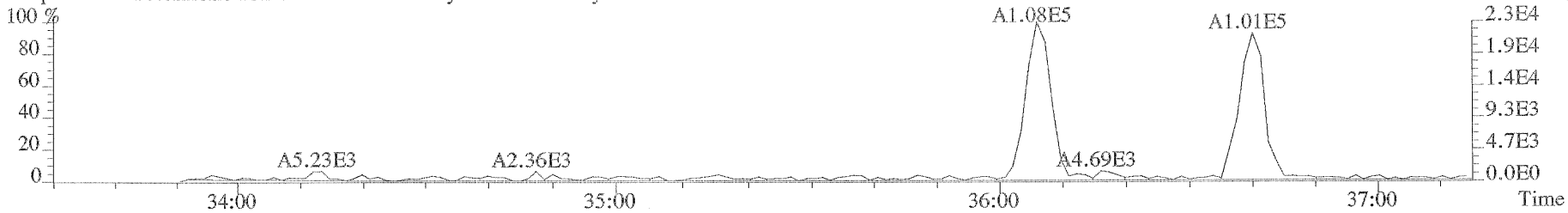
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



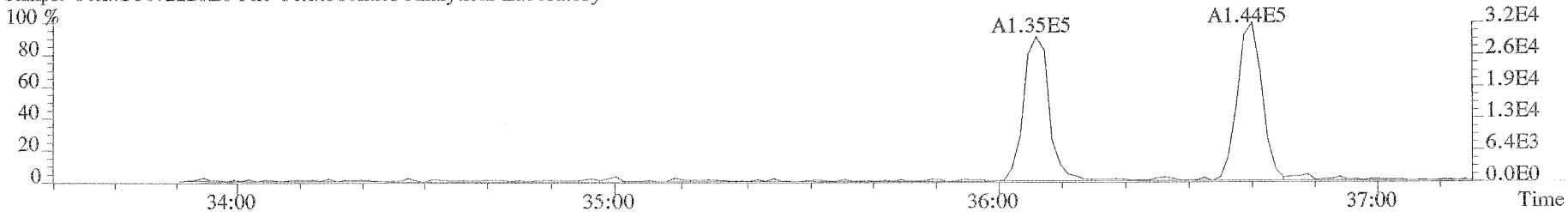
File:22JUL20Z #1-401 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



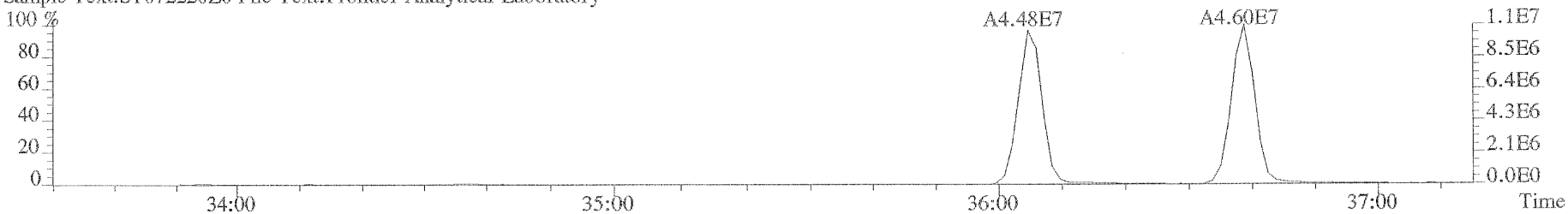
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



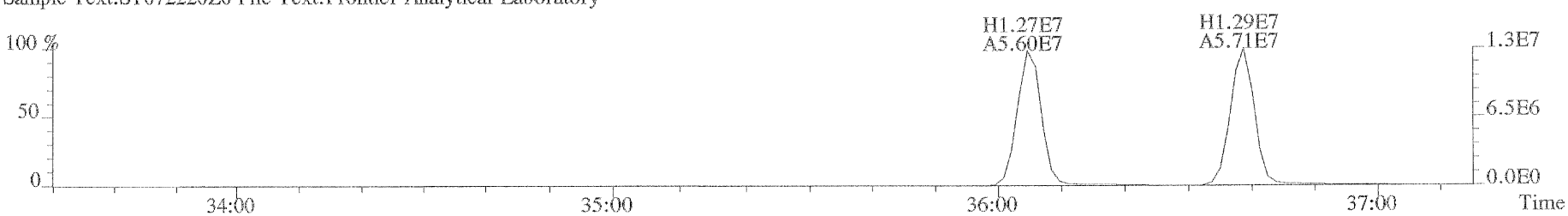
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



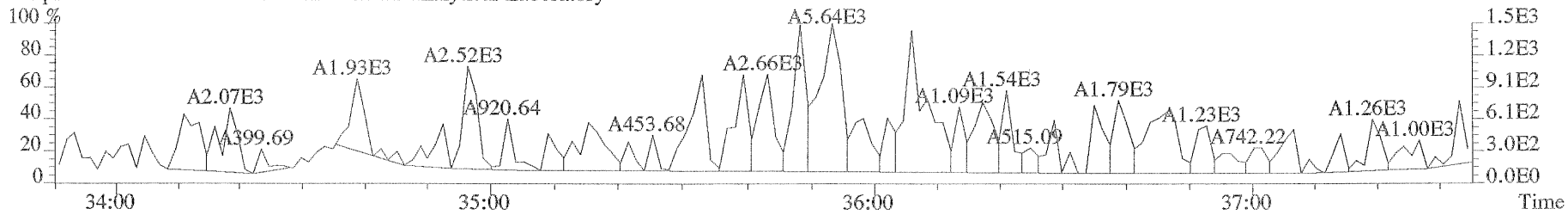
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



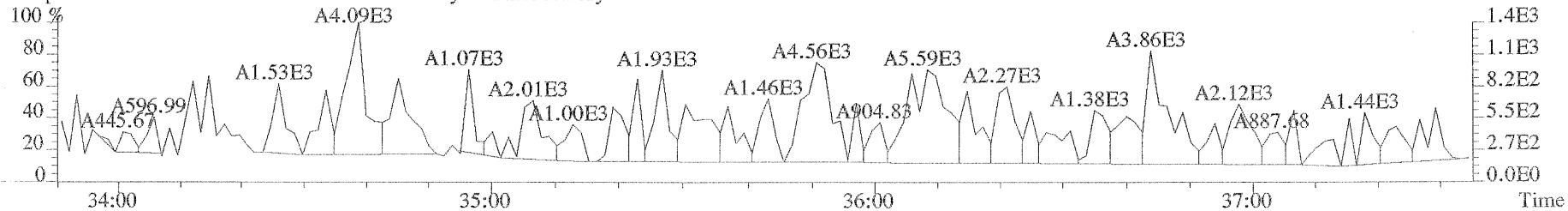
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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



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



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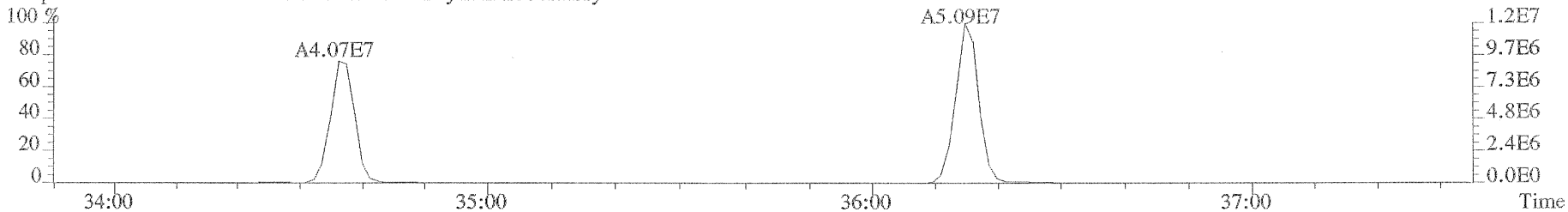
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
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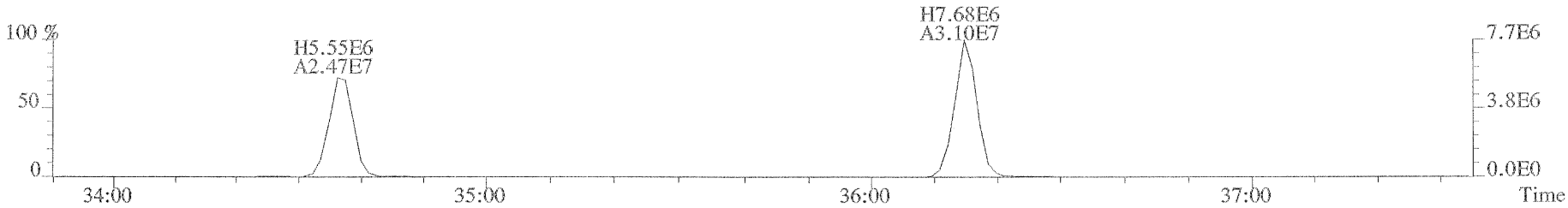
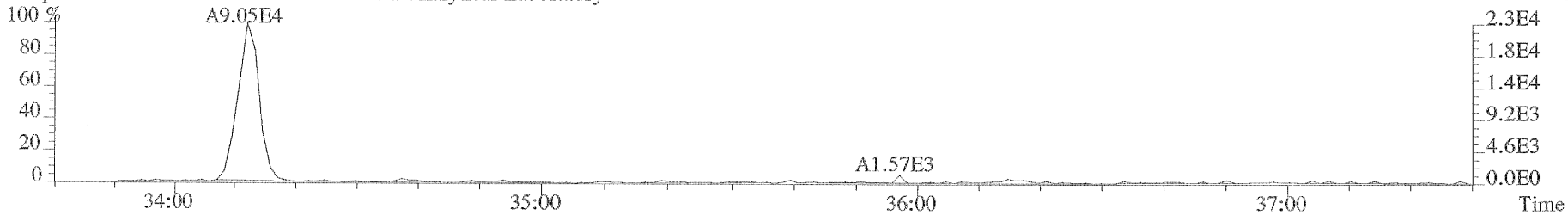
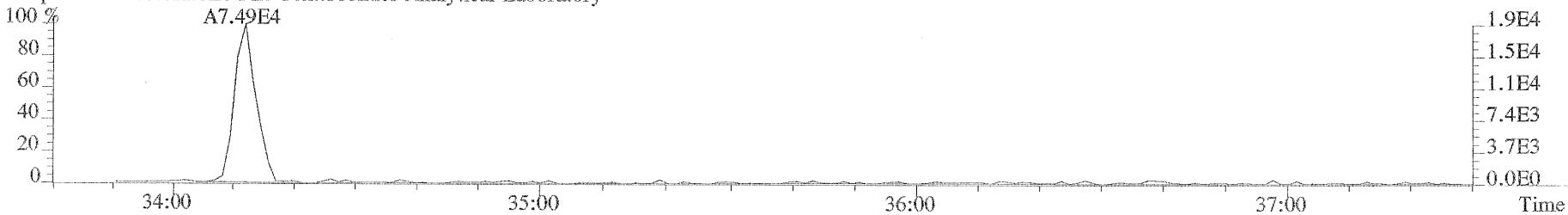
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



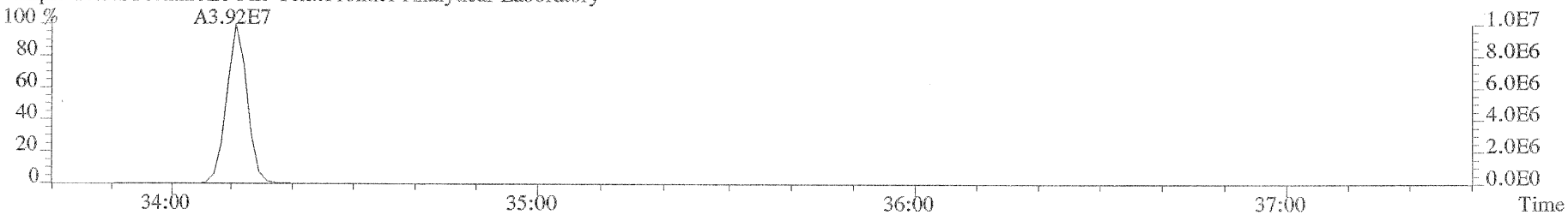
File:22JUL20Z #1-180 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



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



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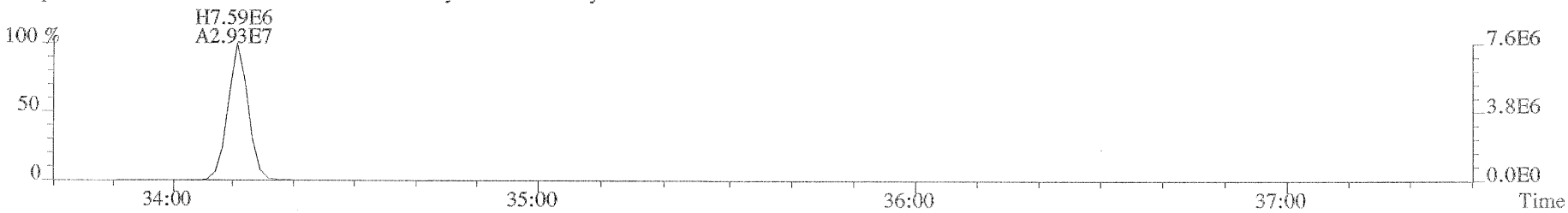
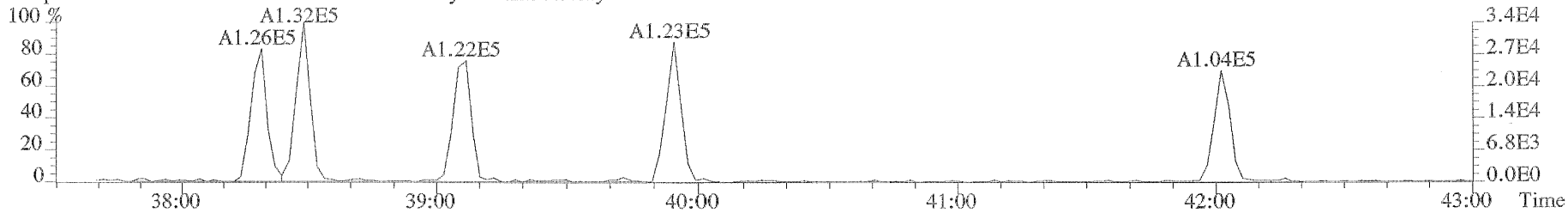
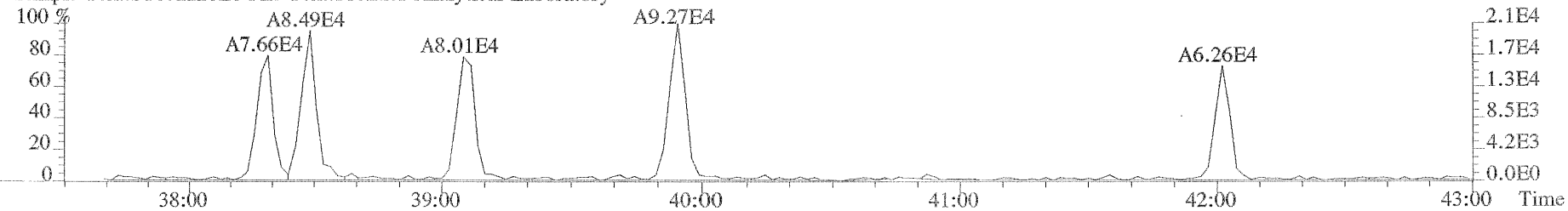
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



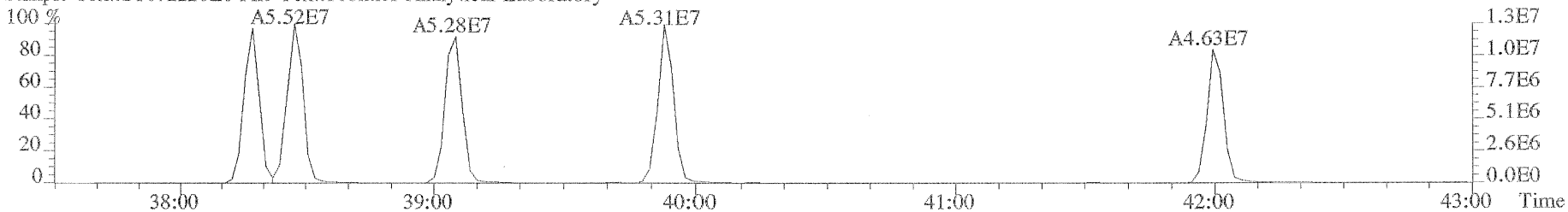
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



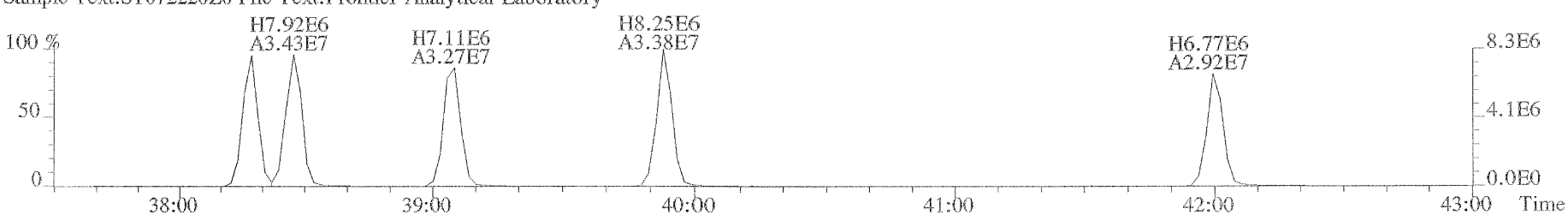
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



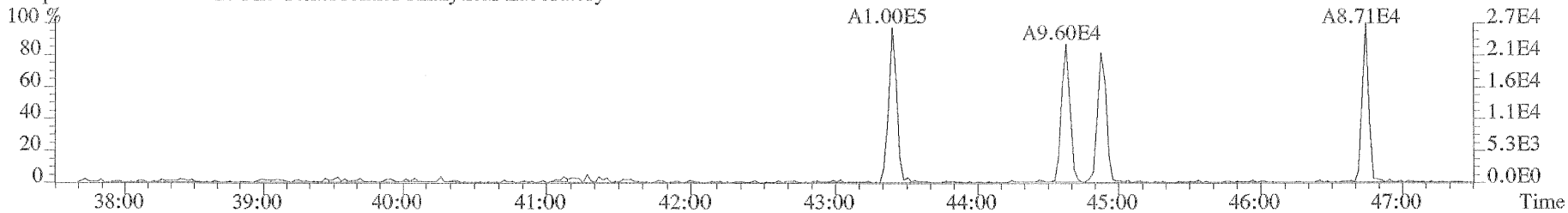
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



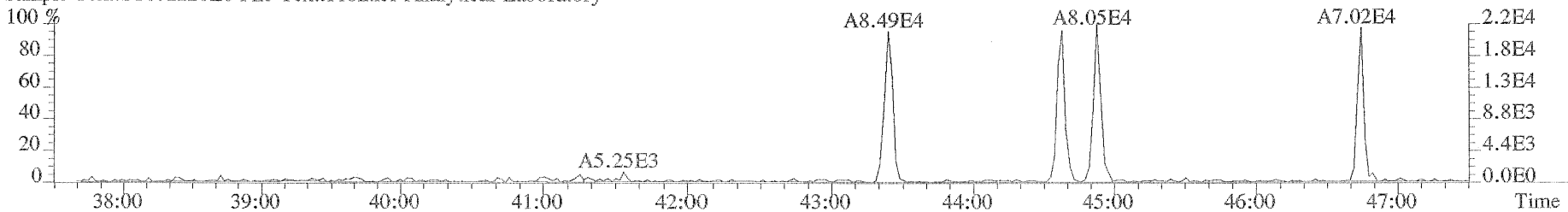
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



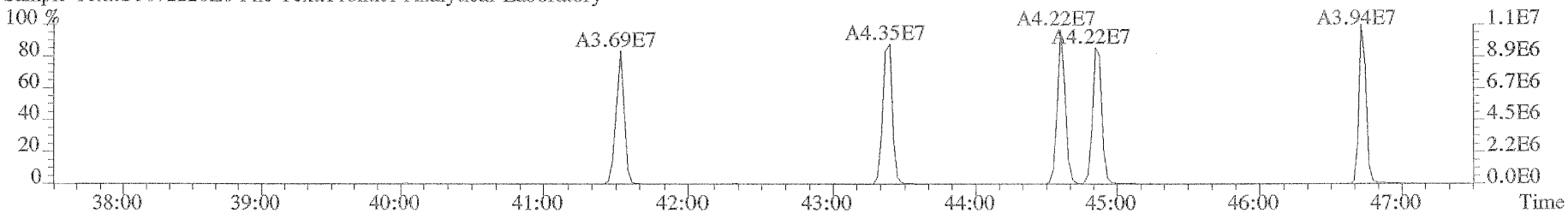
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



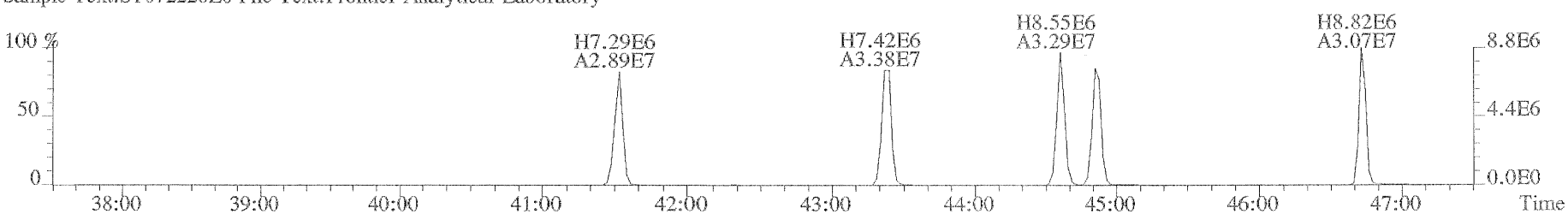
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



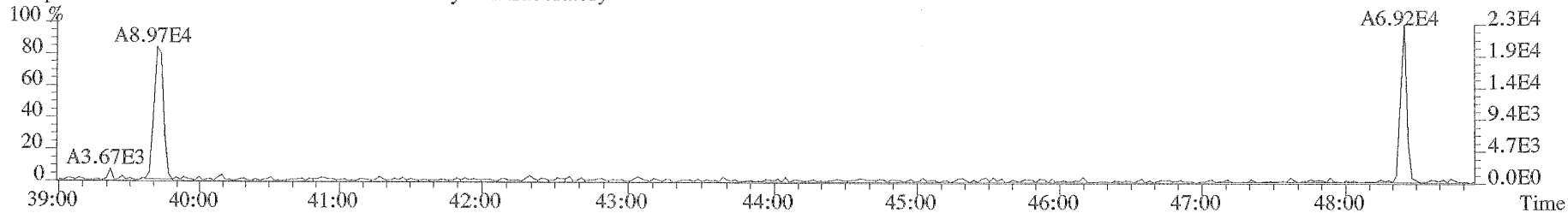
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



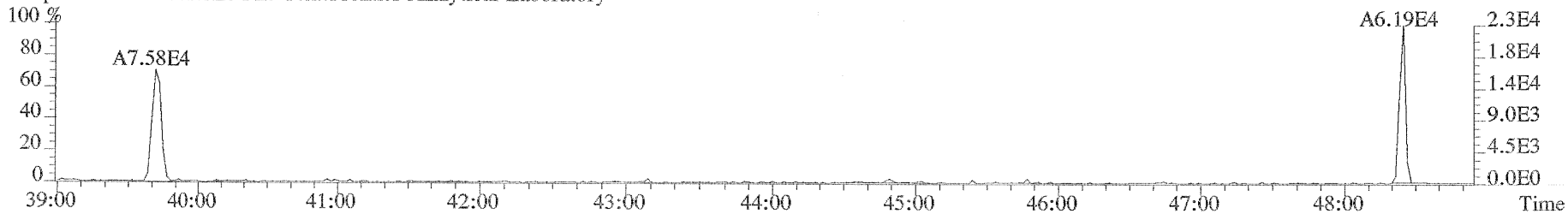
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



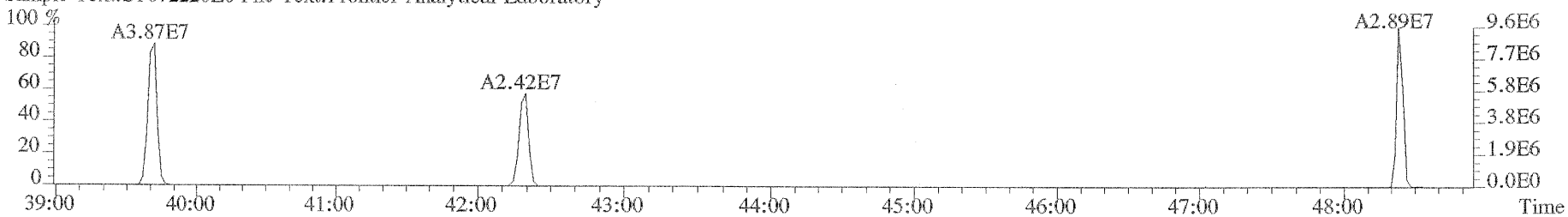
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



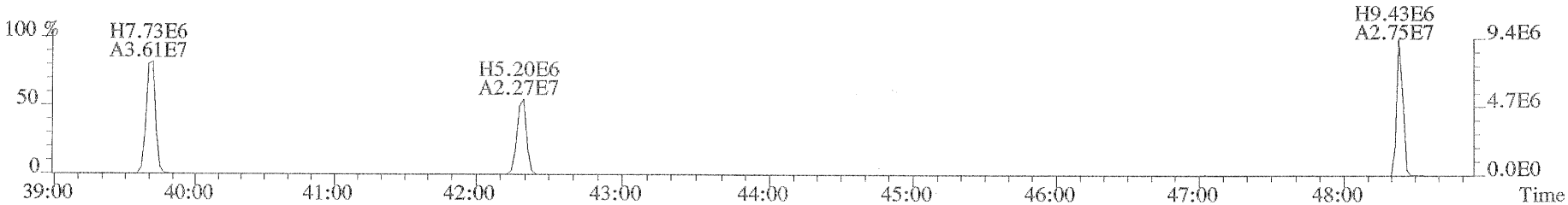
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



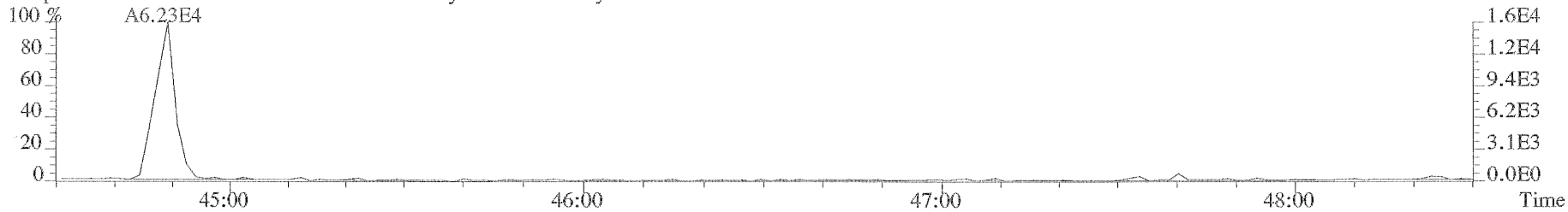
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



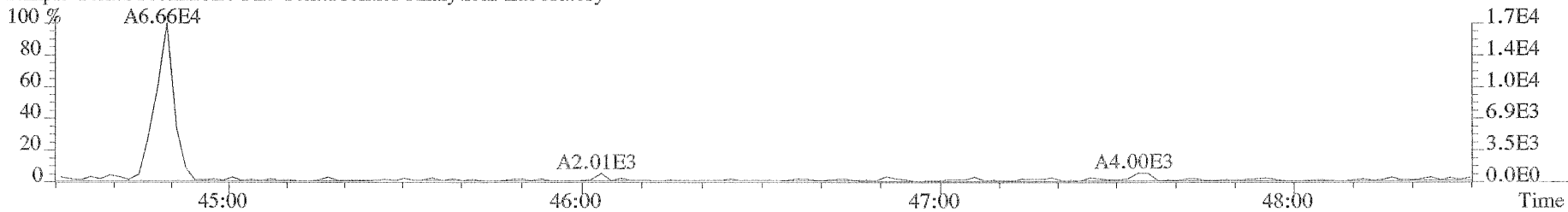
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



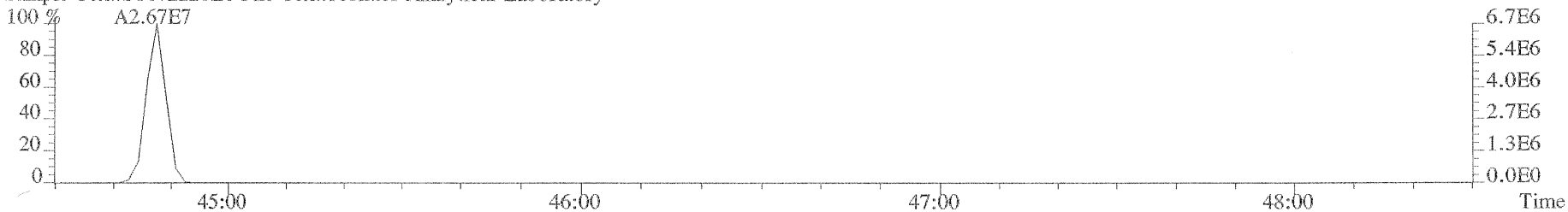
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



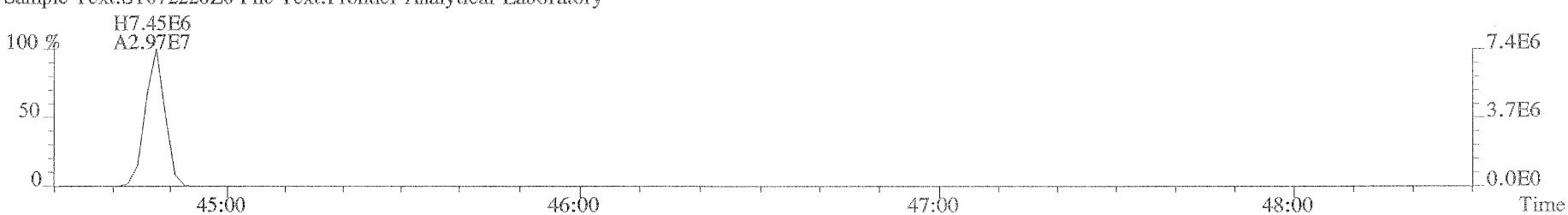
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



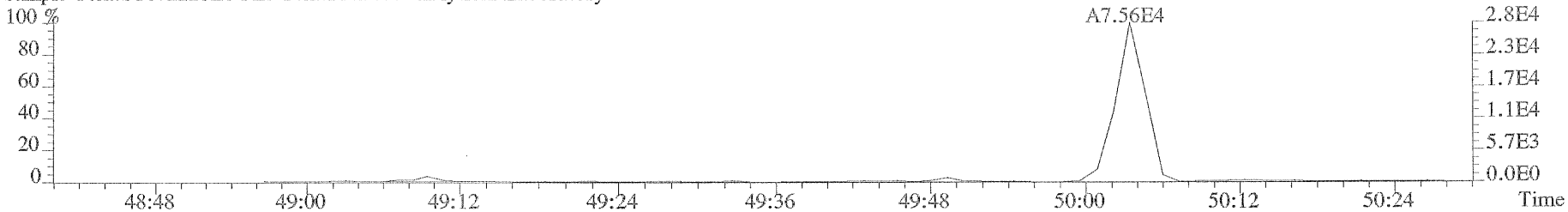
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



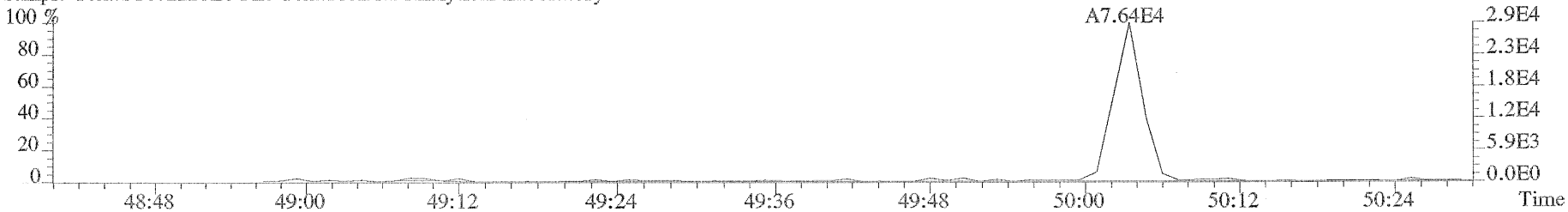
File:22JUL20Z #1-411 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



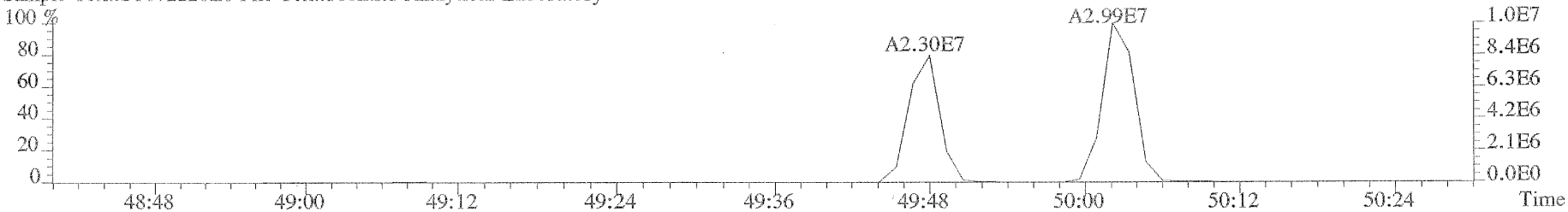
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



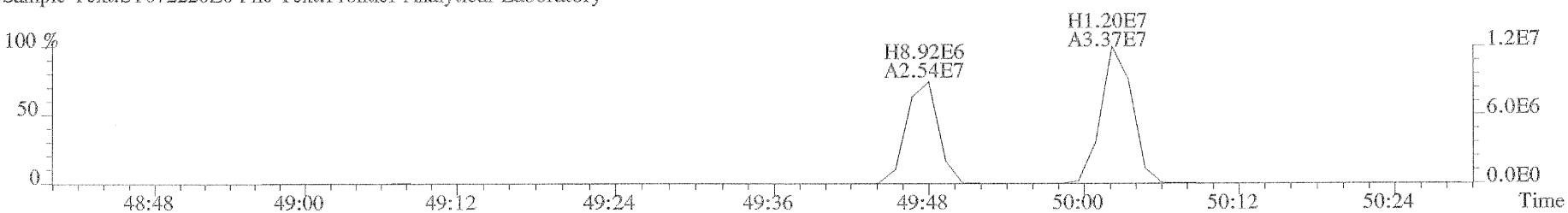
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



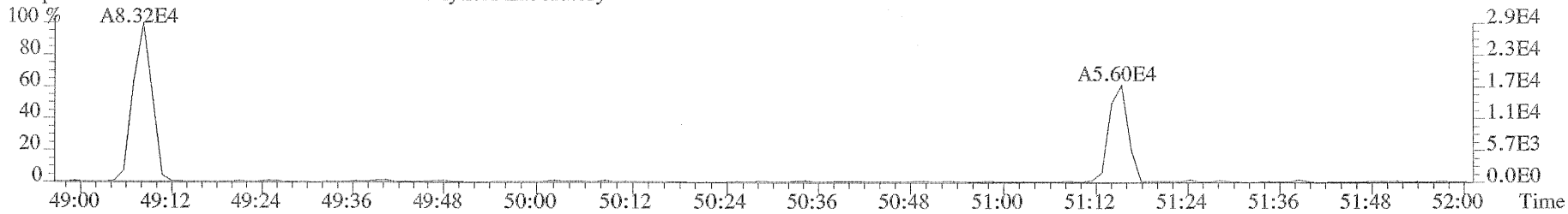
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



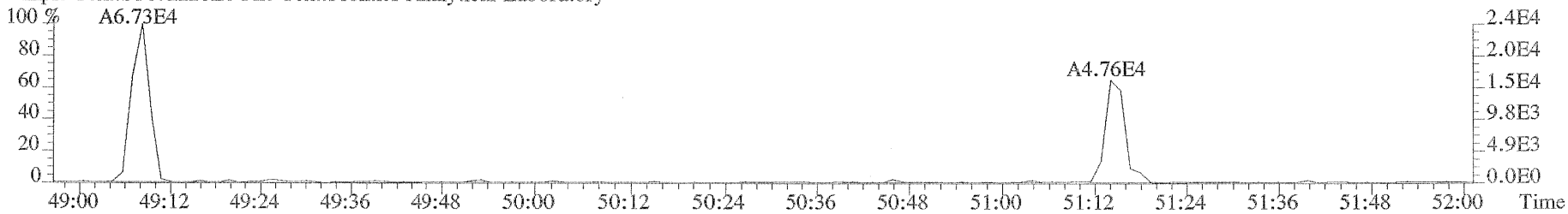
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



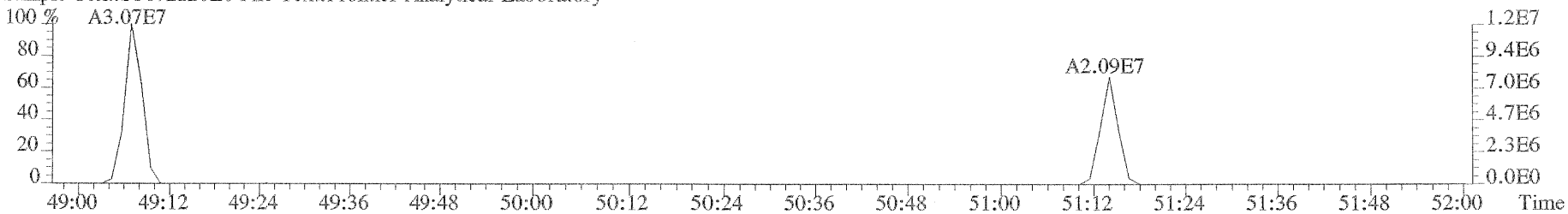
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



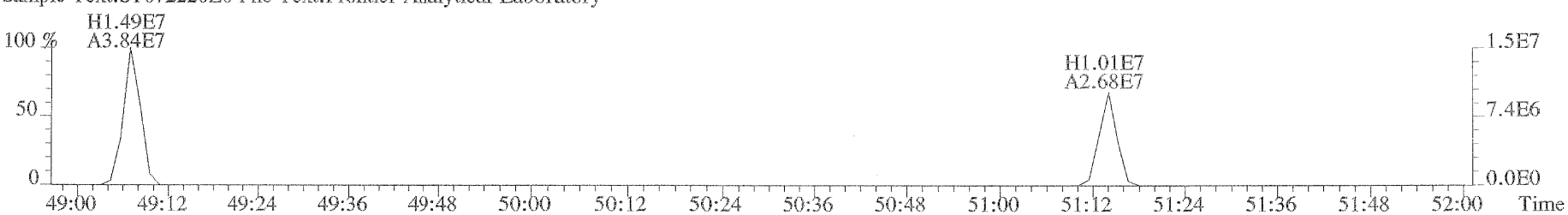
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



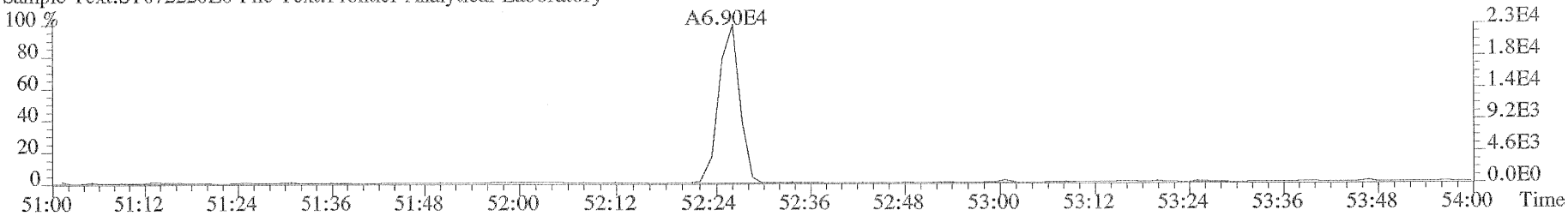
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



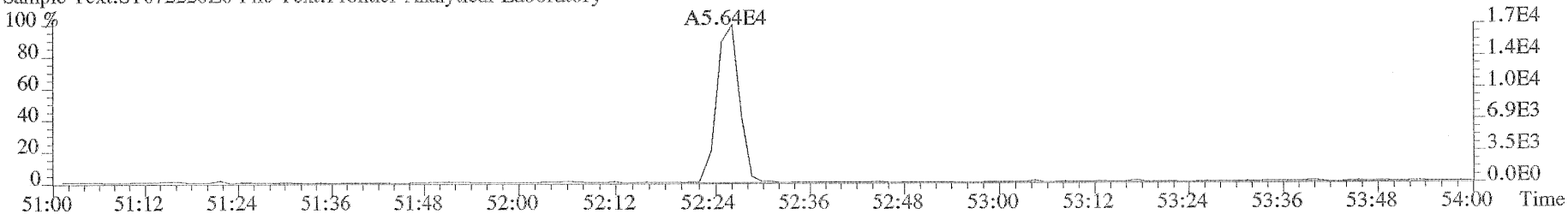
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



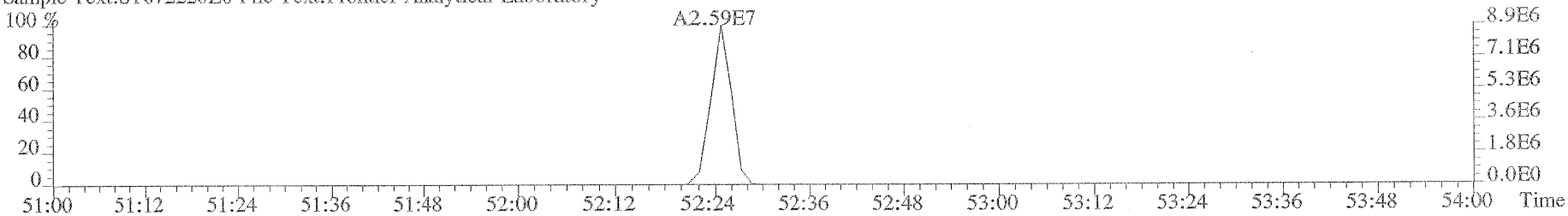
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



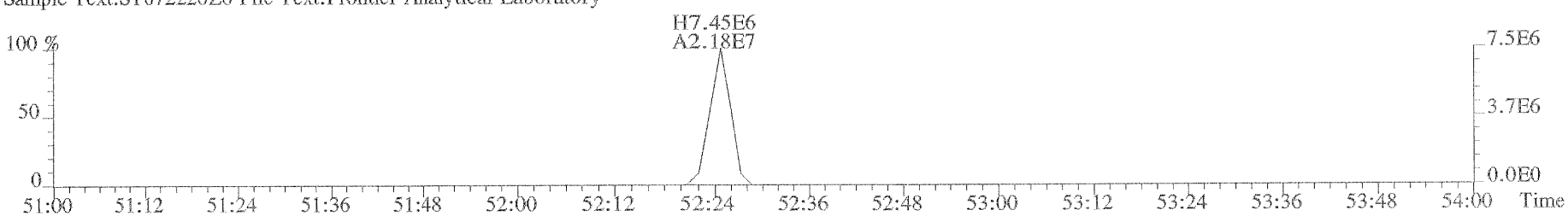
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



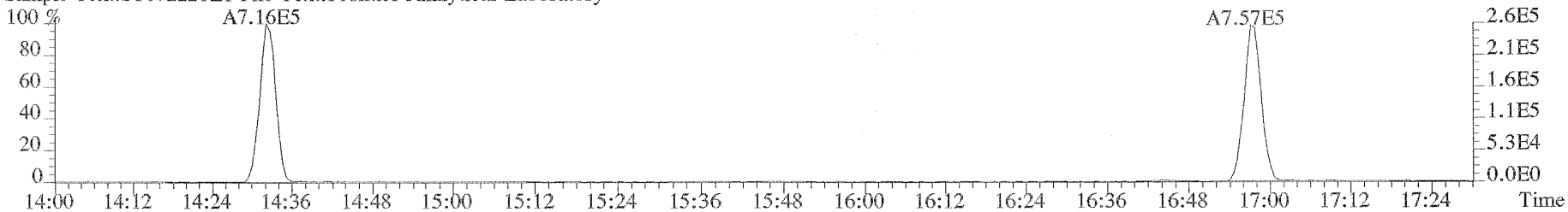
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



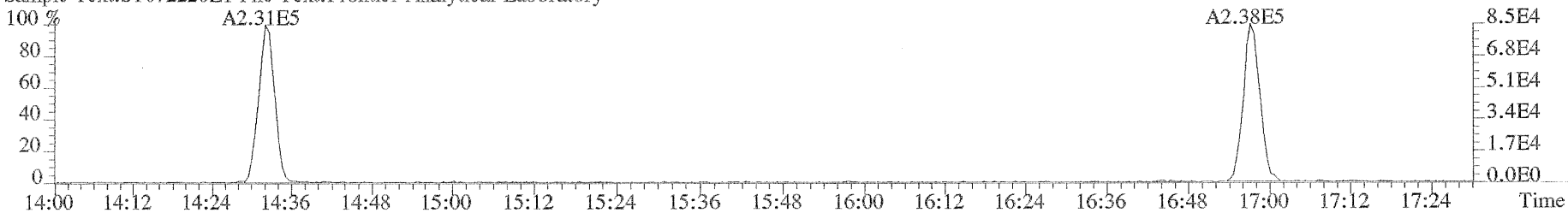
File:22JUL20Z #1-308 Acq:22-JUL-2020 08:04:10 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z0 File Text:Frontier Analytical Laboratory



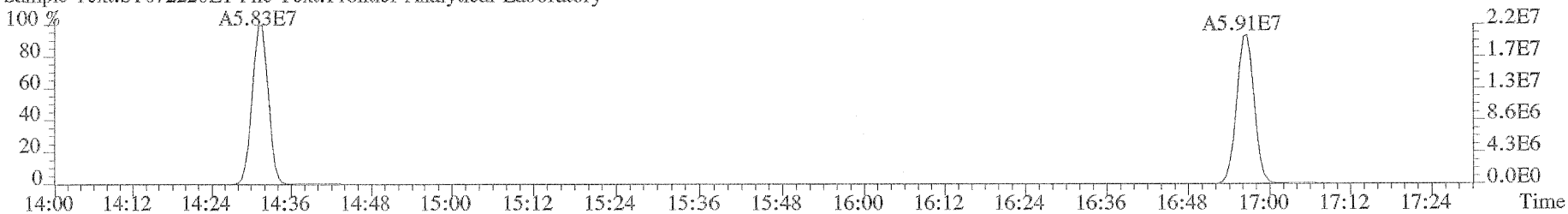
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



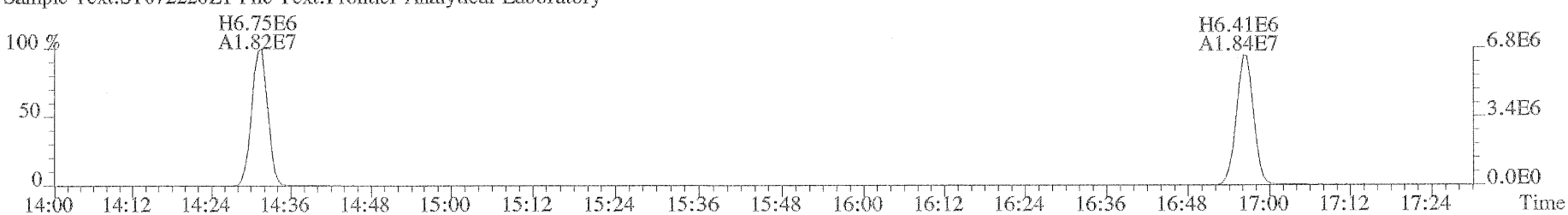
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



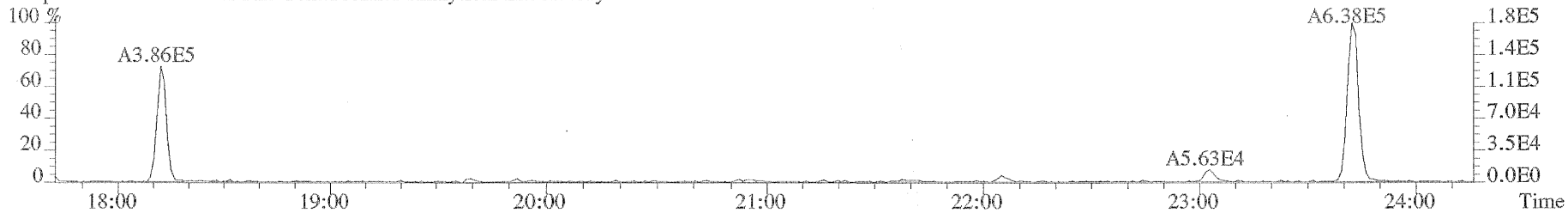
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



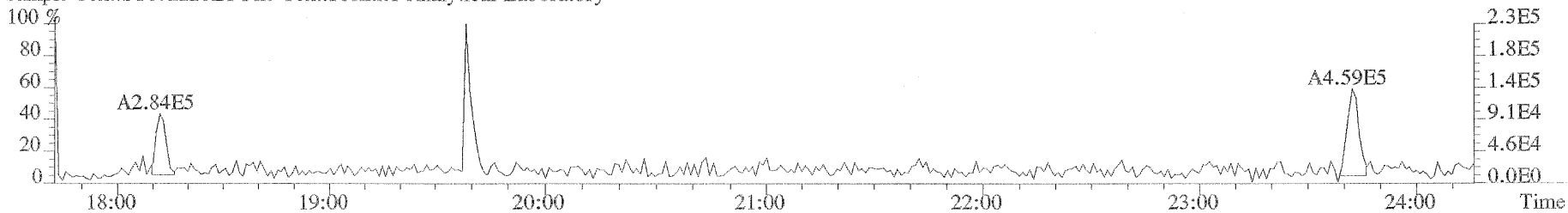
File:22JUL20Z #1-784 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



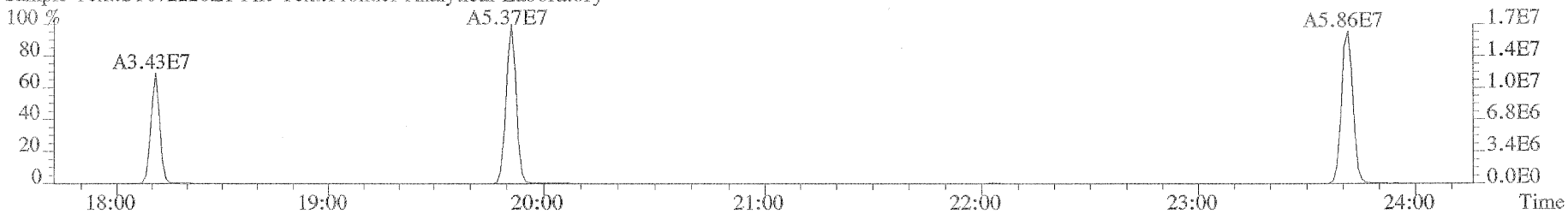
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



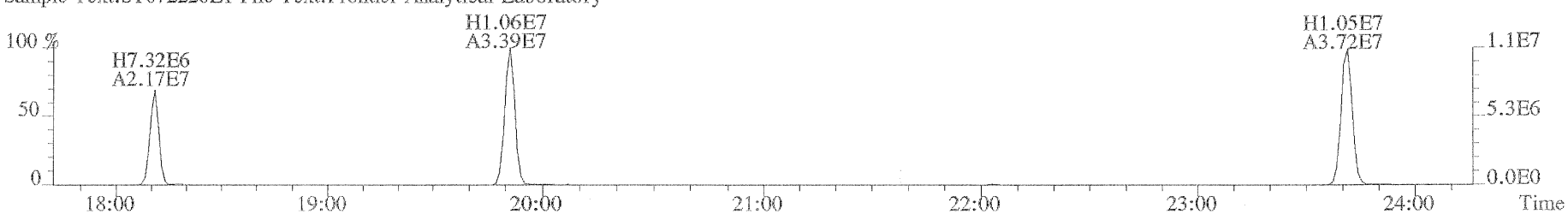
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



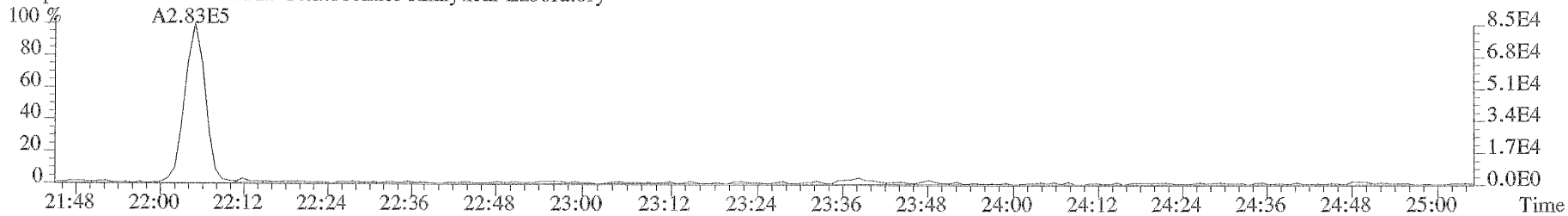
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



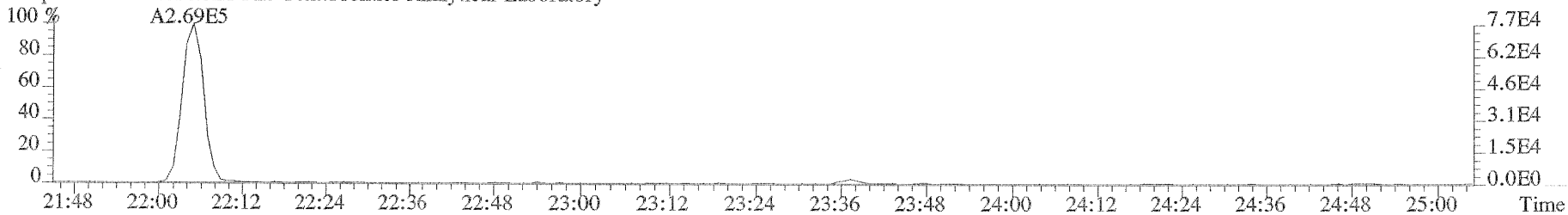
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:2 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



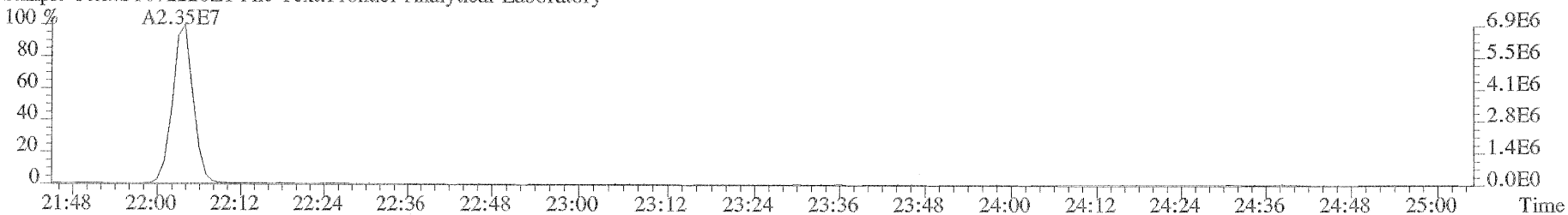
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



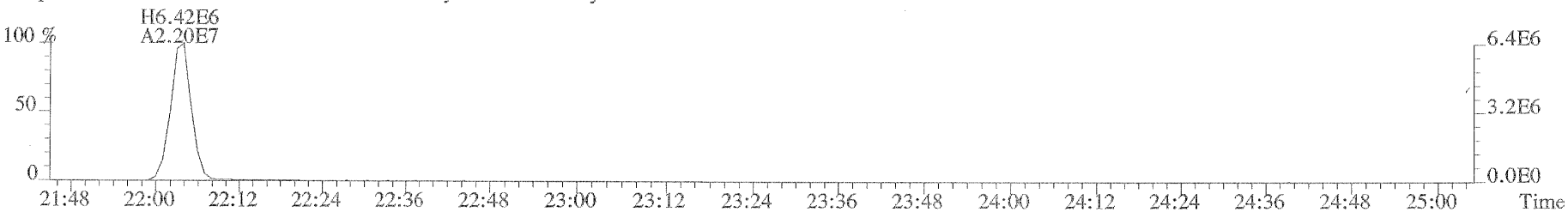
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



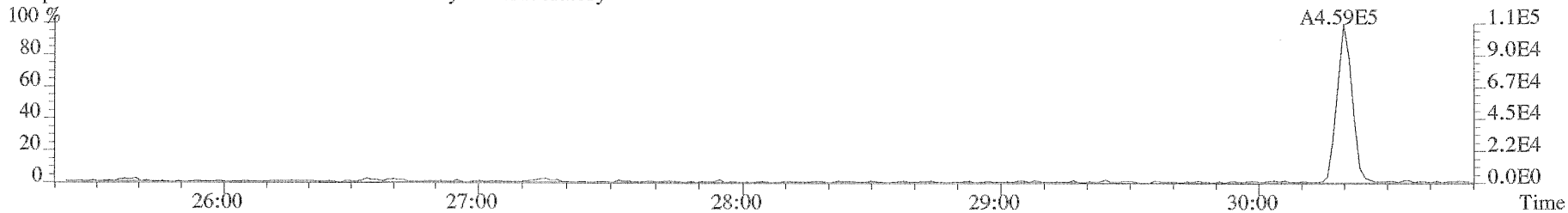
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



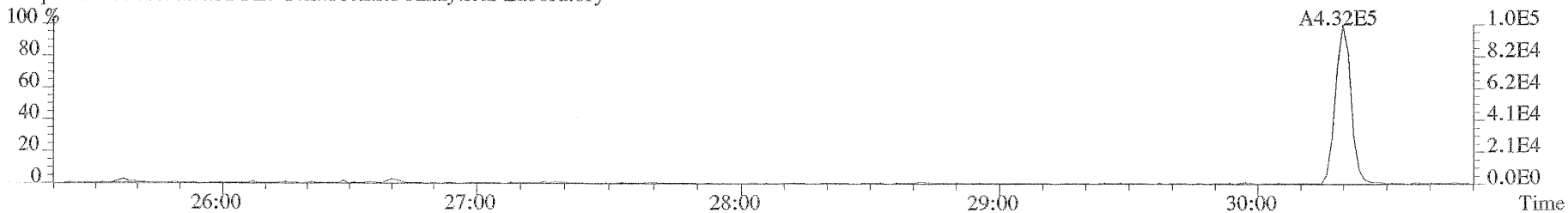
File:22JUL20Z #1-467 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



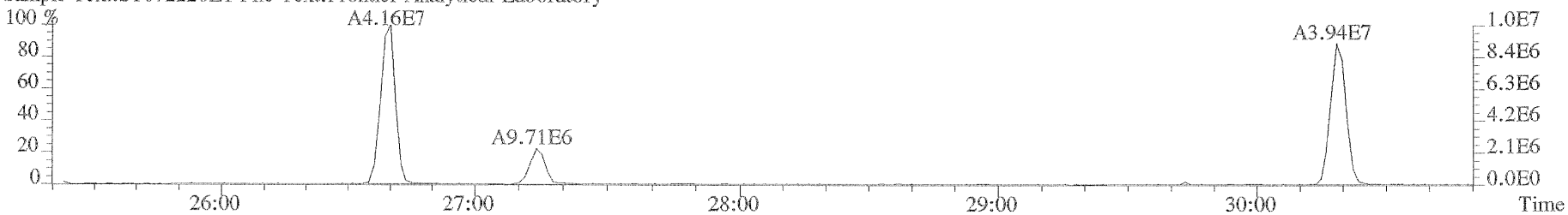
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



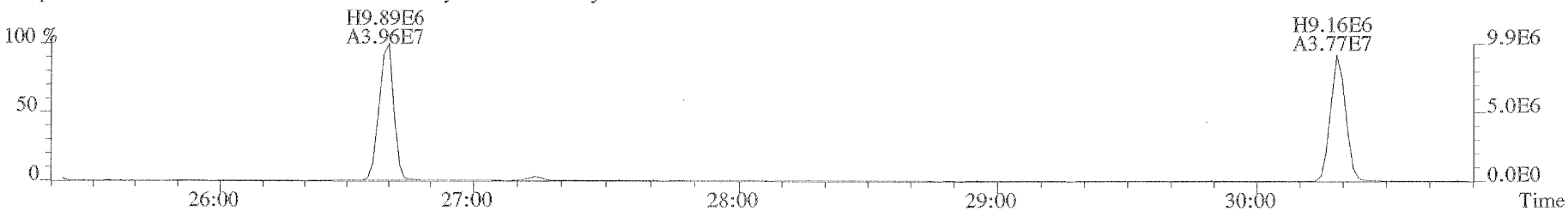
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



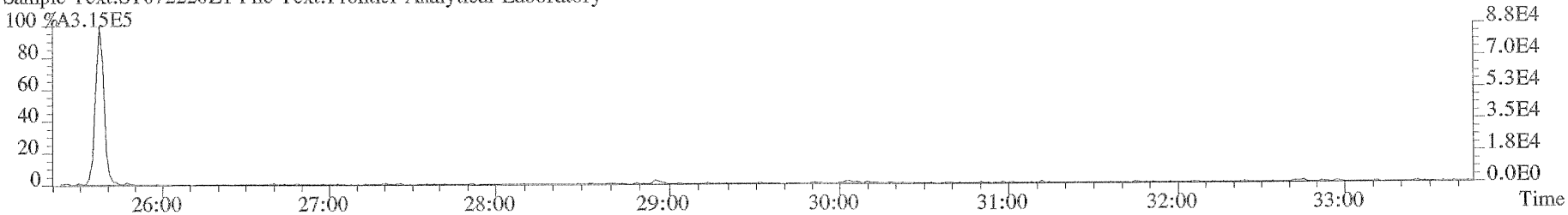
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



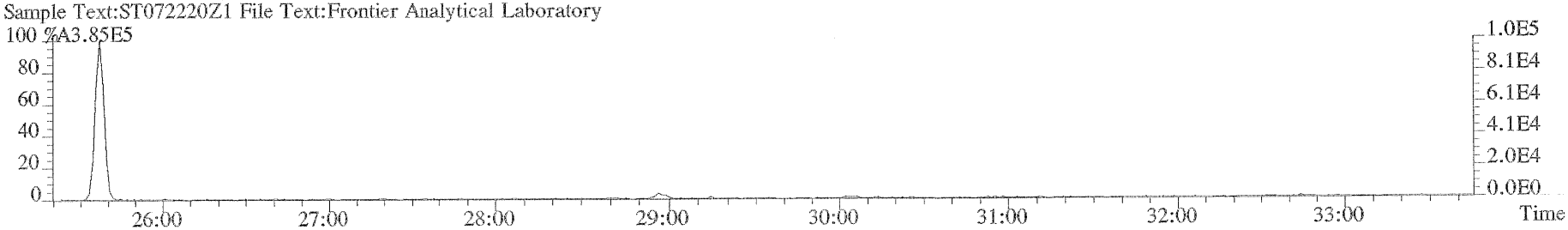
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



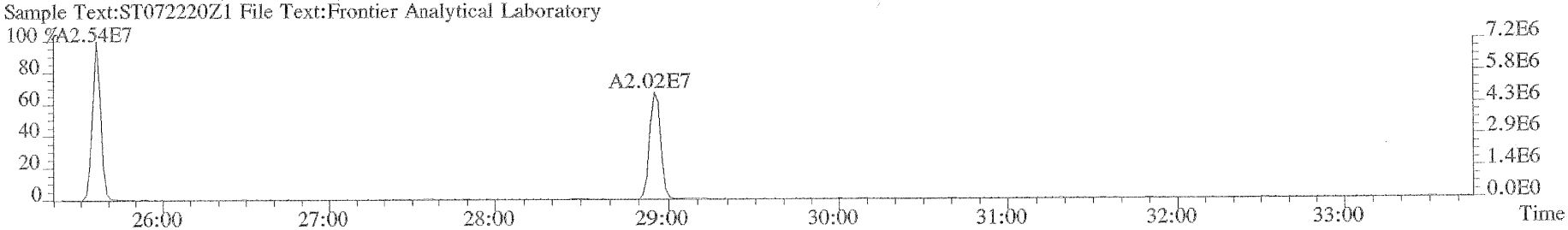
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



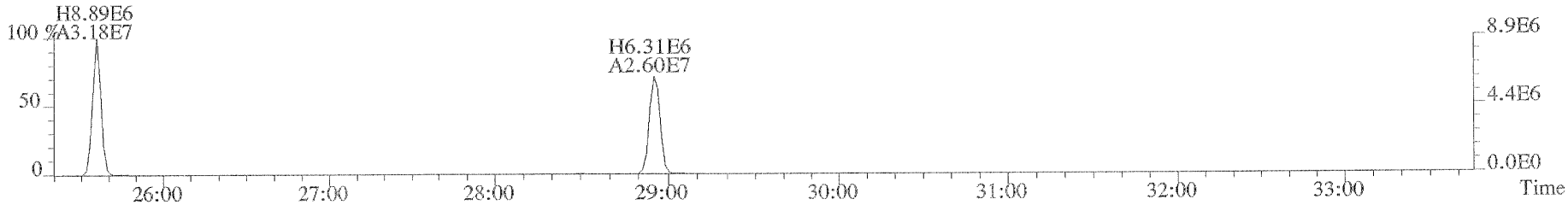
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



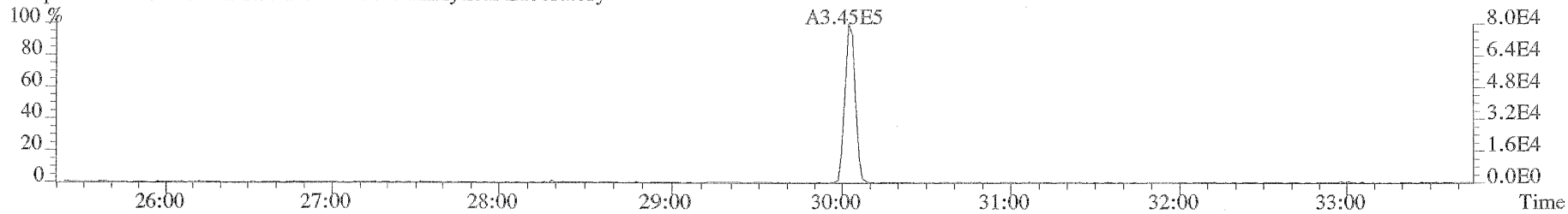
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



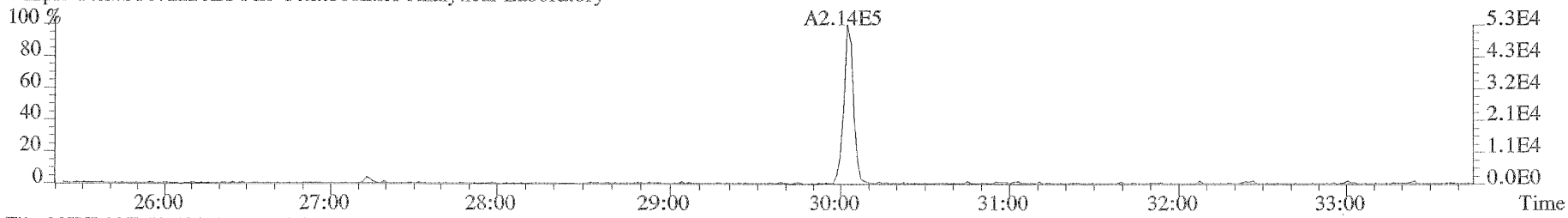
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



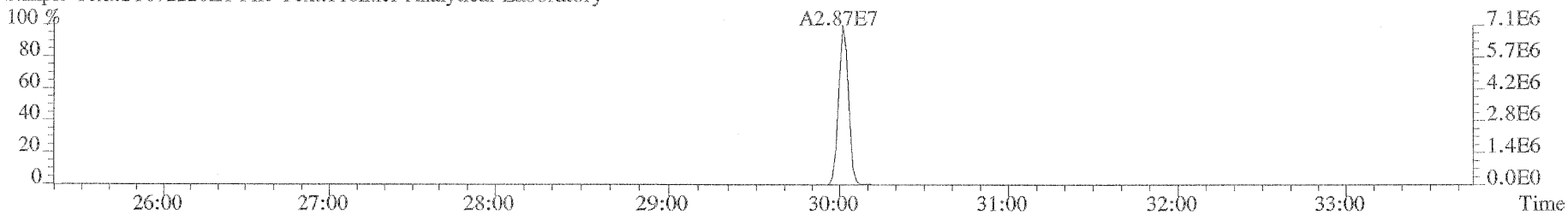
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



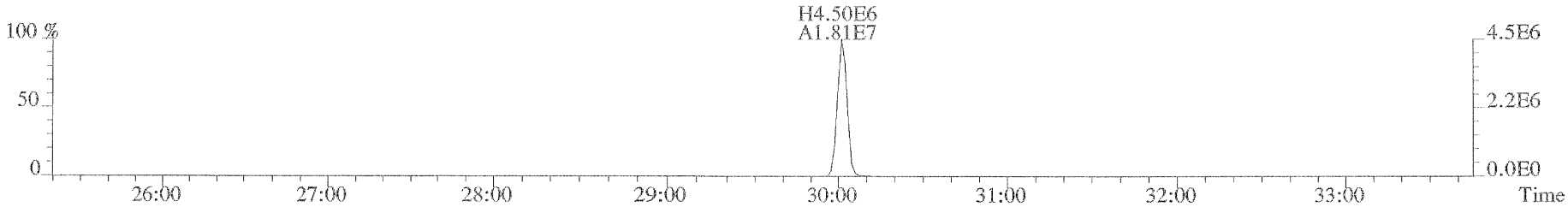
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



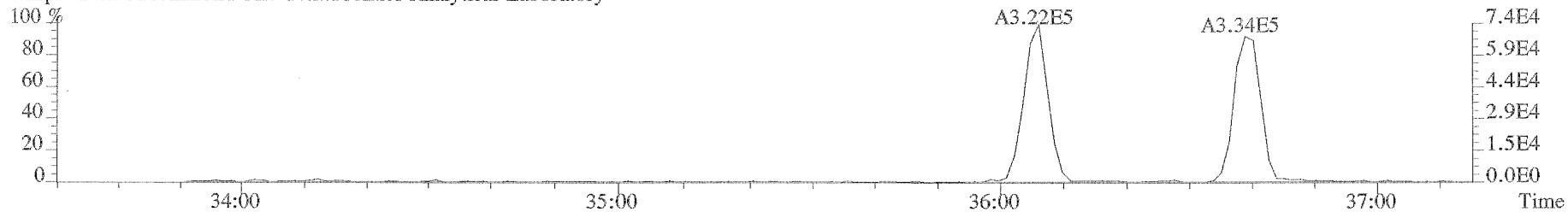
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



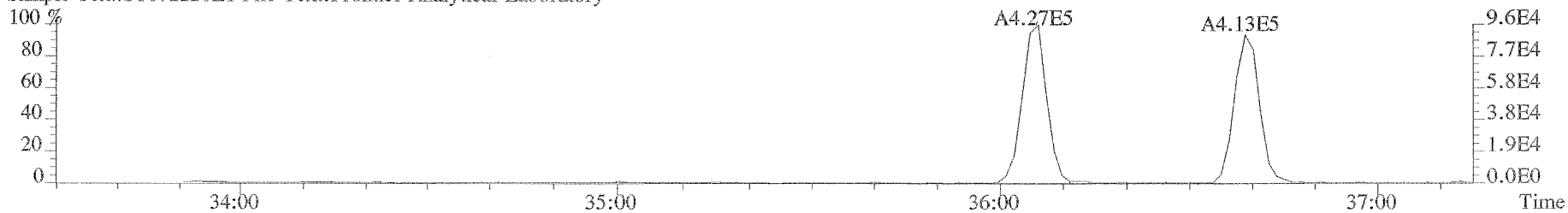
File:22JUL20Z #1-401 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



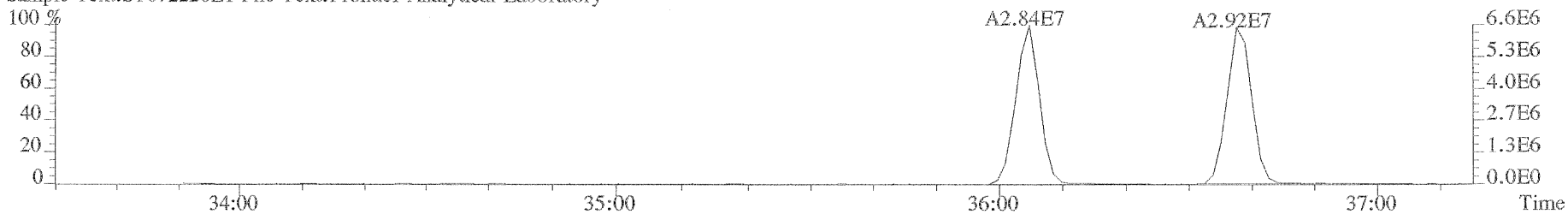
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



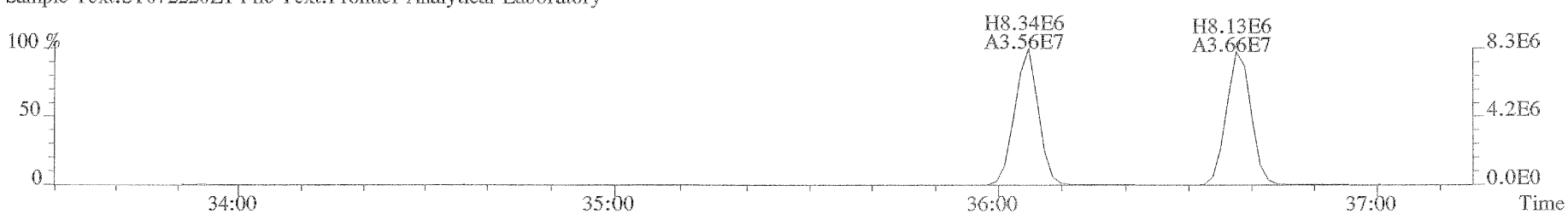
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



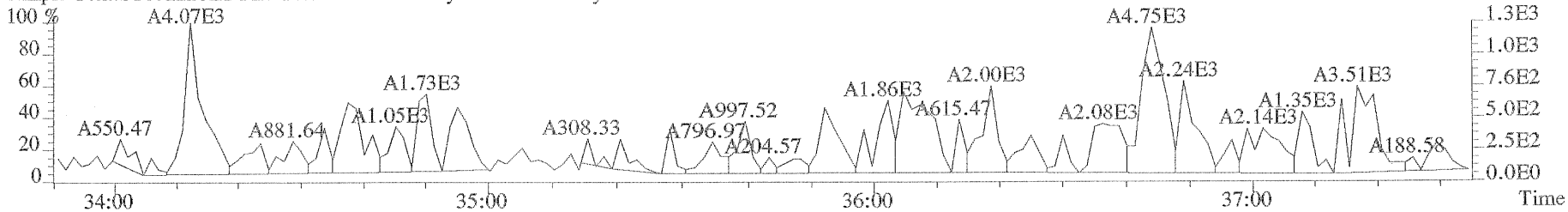
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



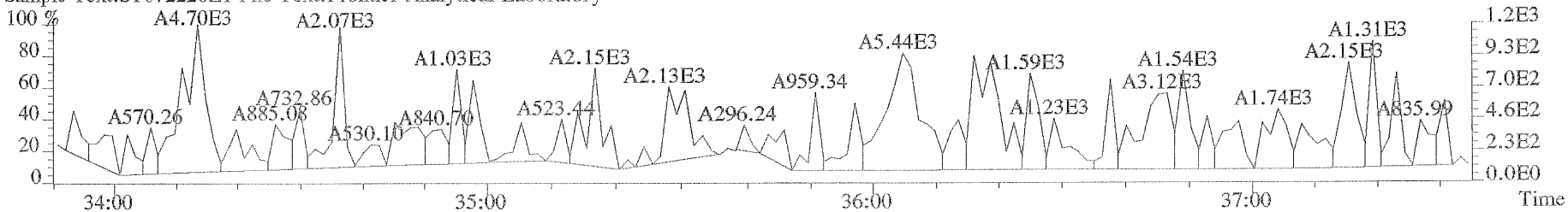
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



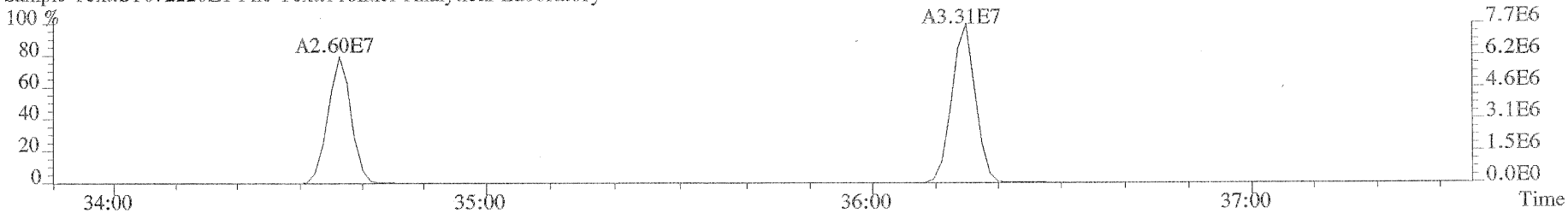
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



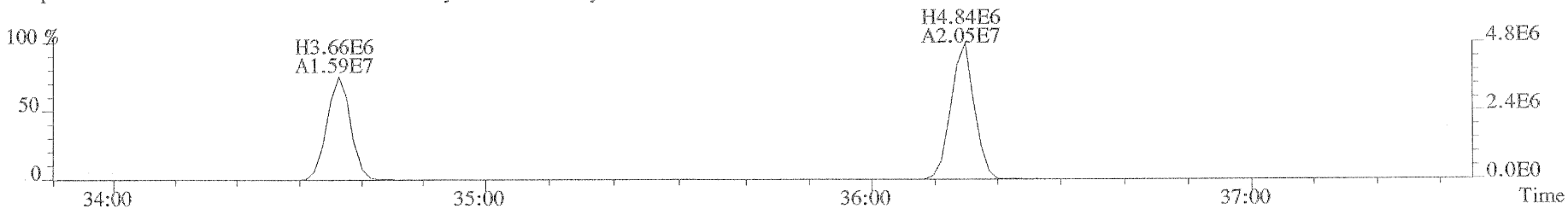
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



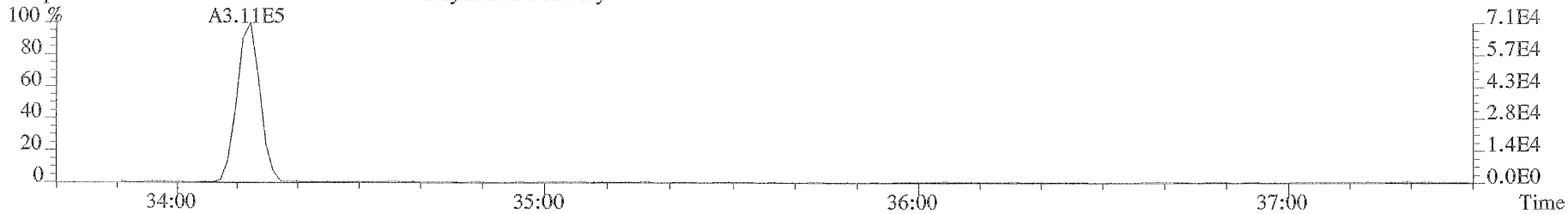
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



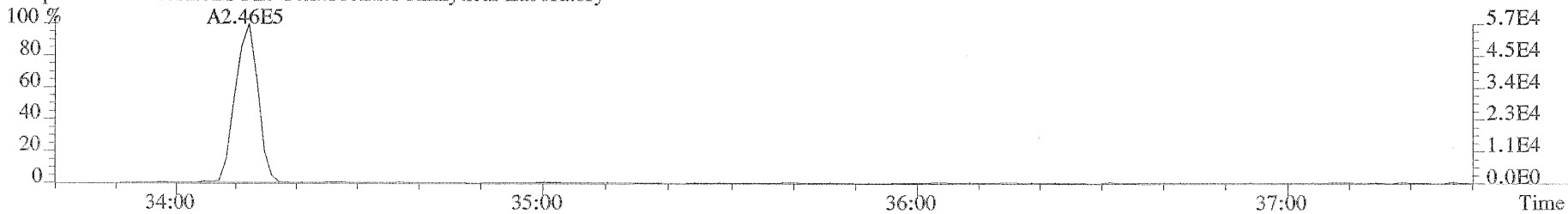
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



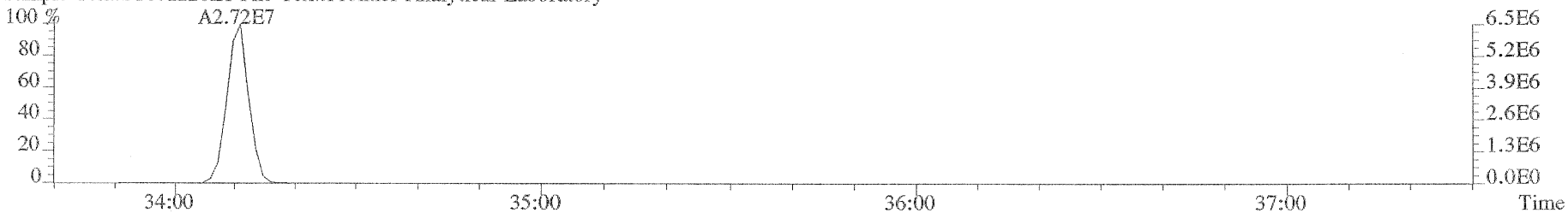
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



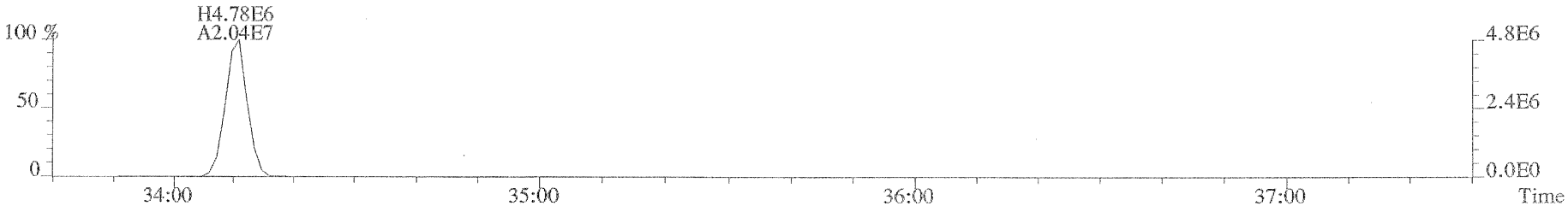
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



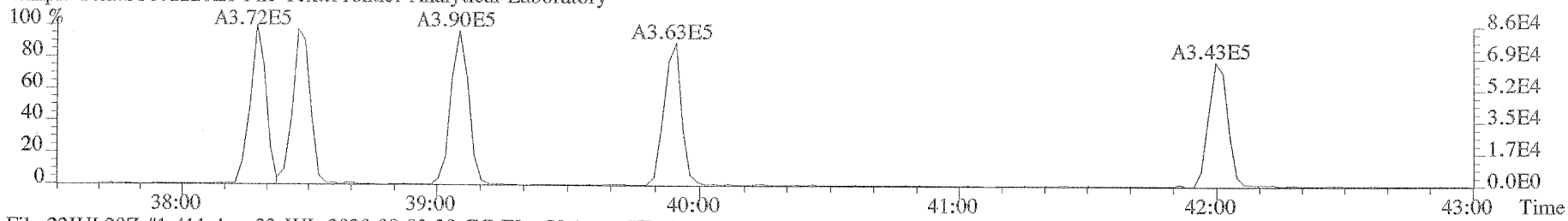
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



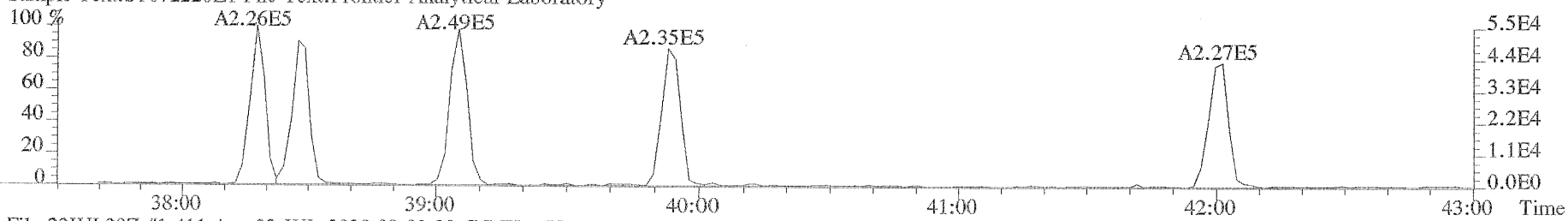
File:22JUL20Z #1-180 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



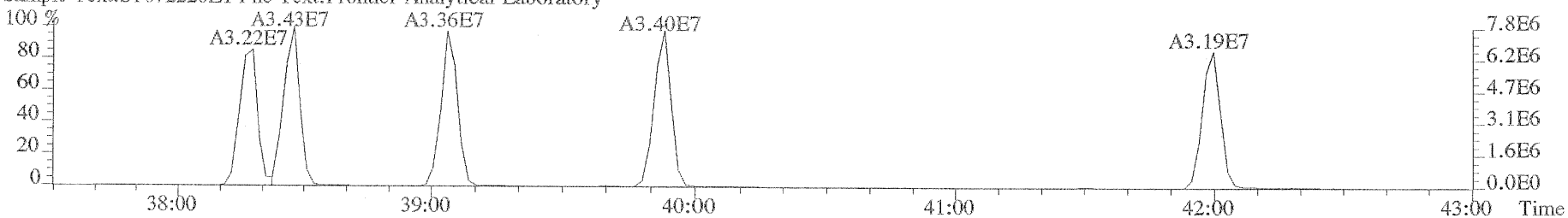
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



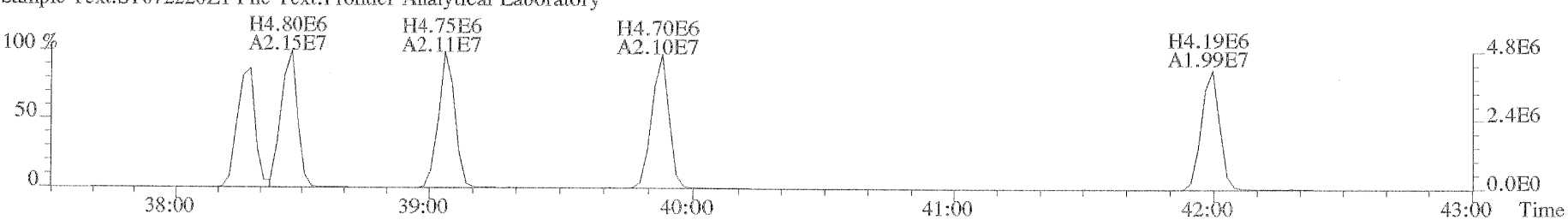
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



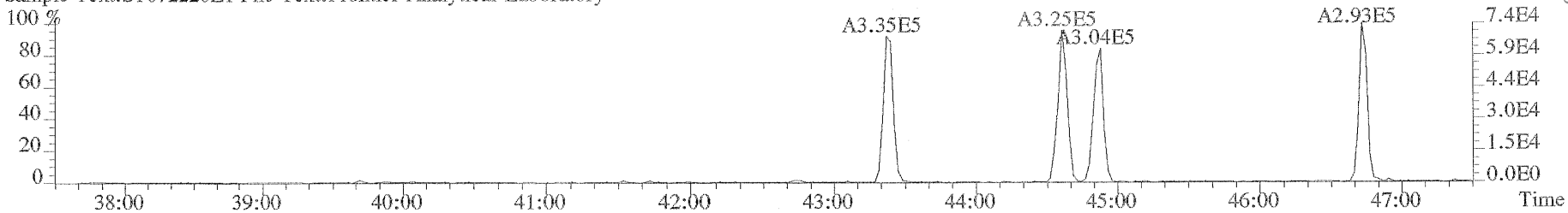
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



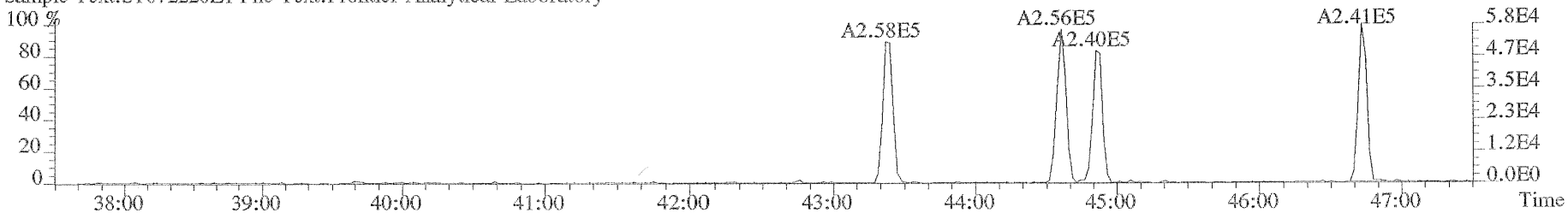
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



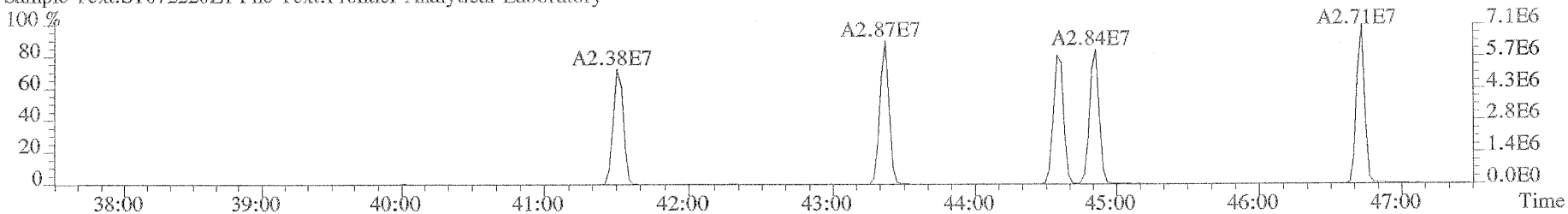
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



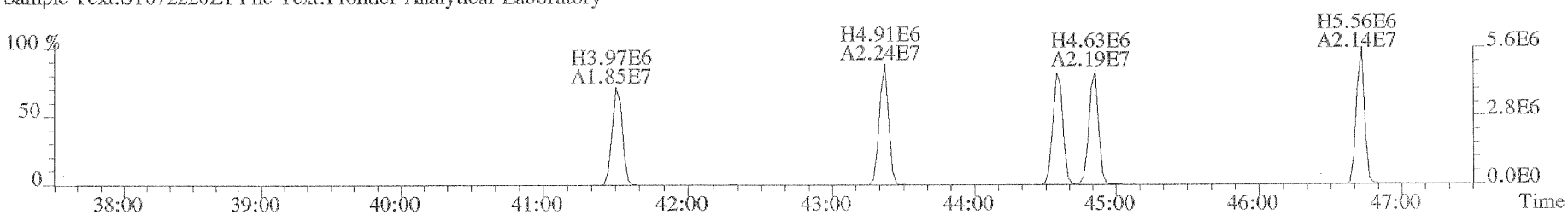
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



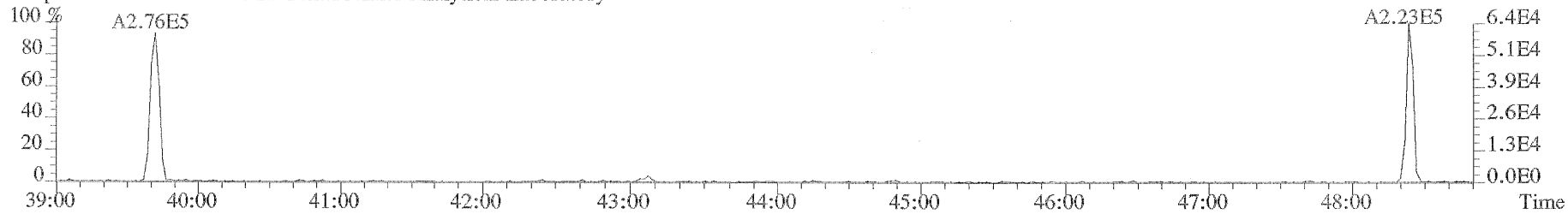
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



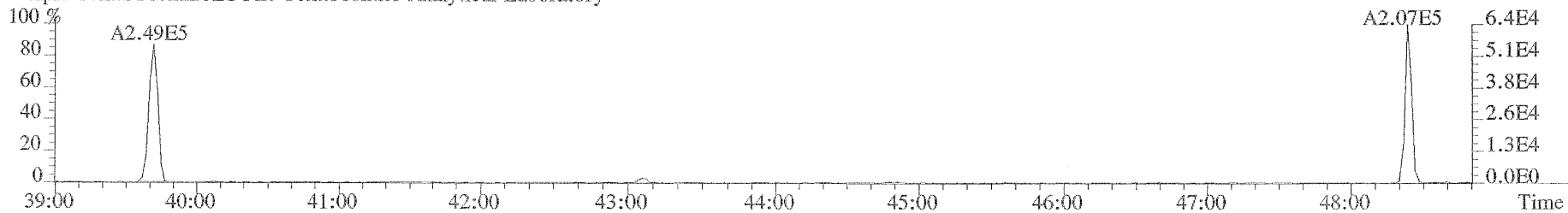
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



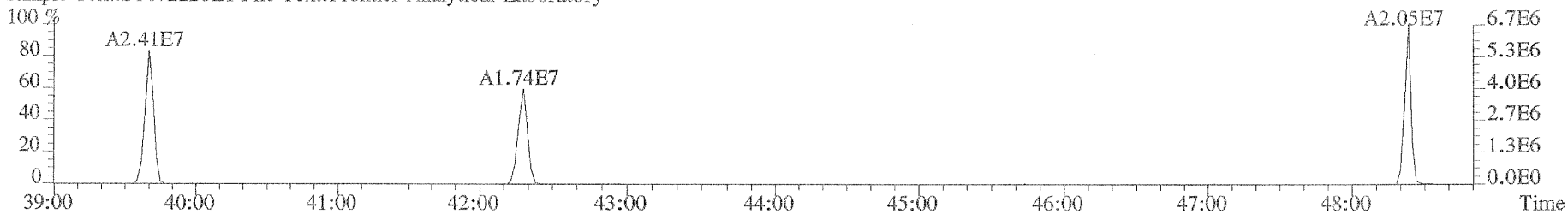
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



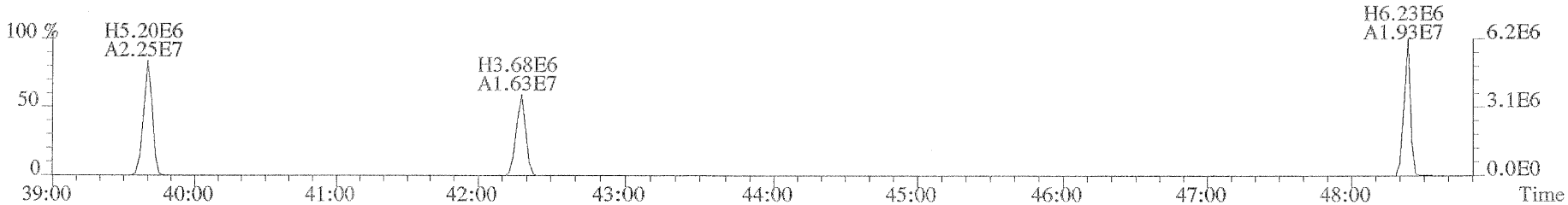
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



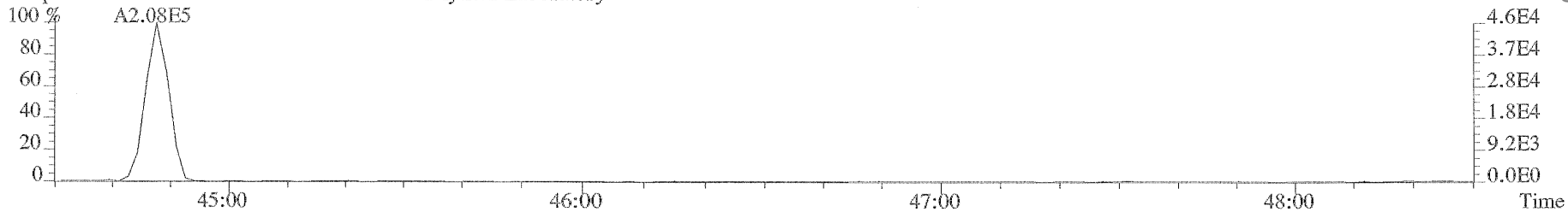
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



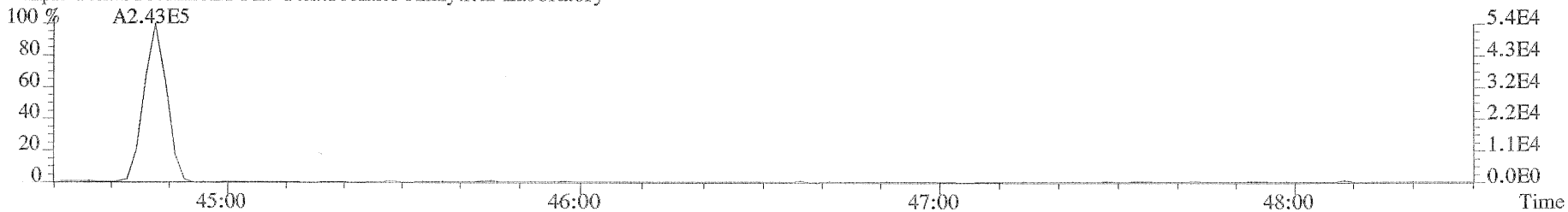
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



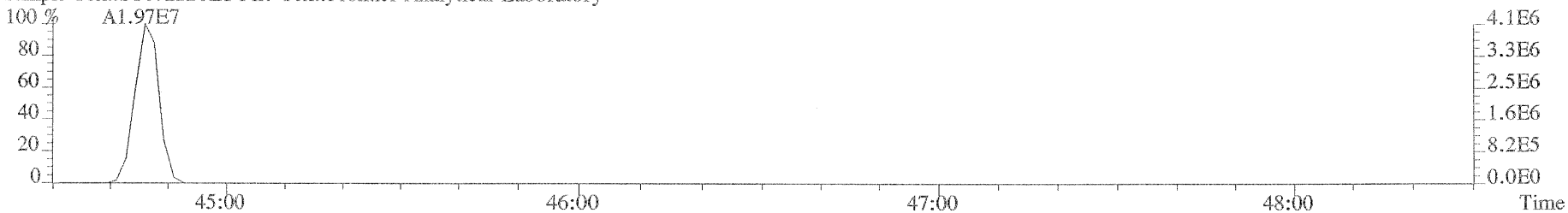
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



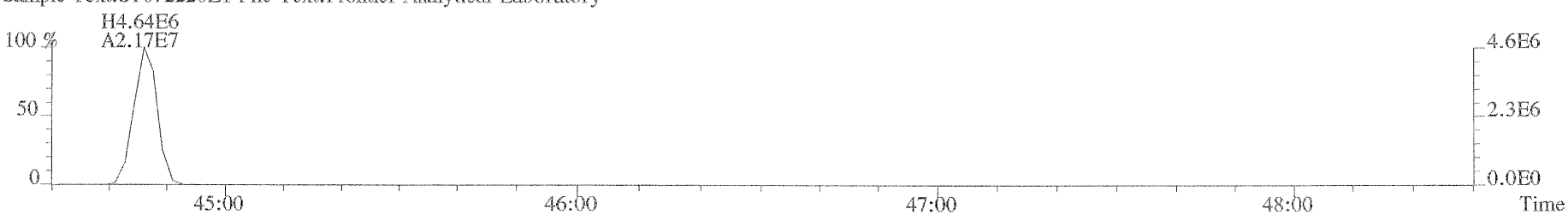
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



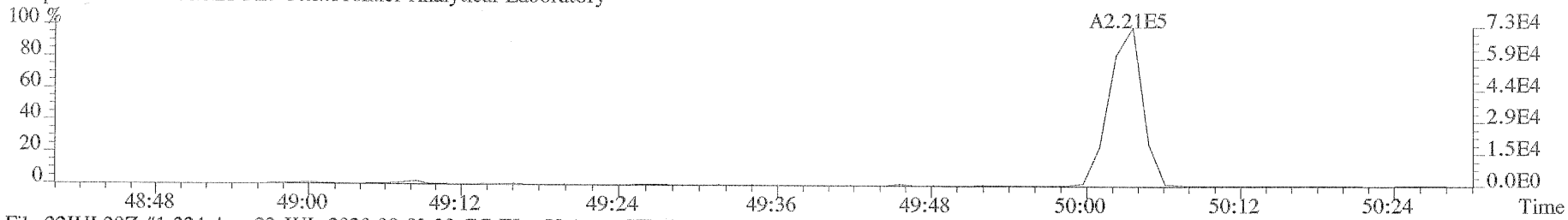
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



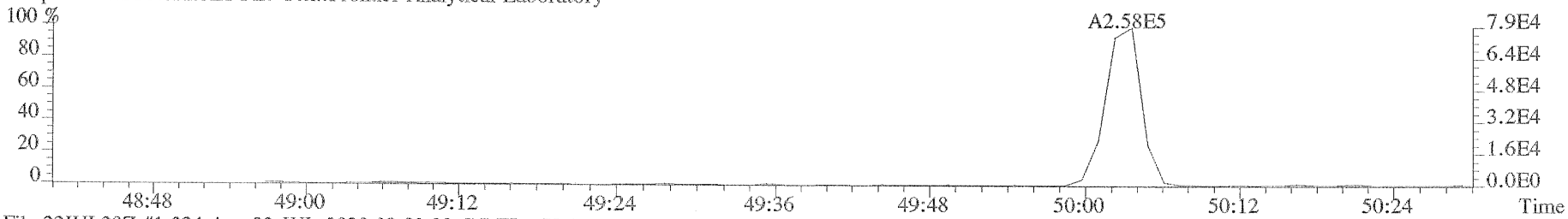
File:22JUL20Z #1-411 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



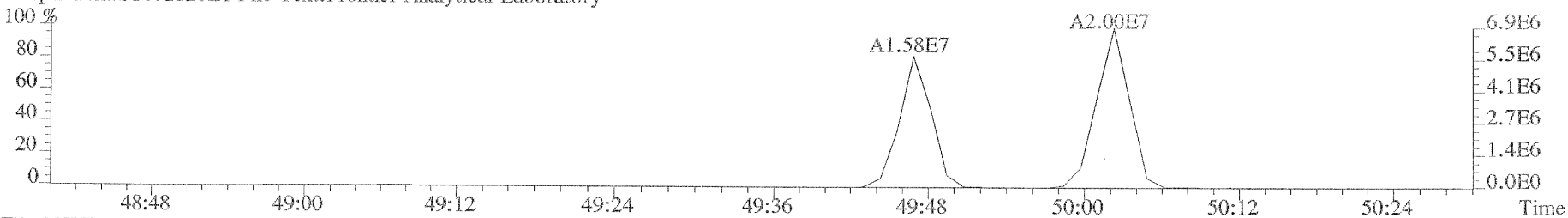
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



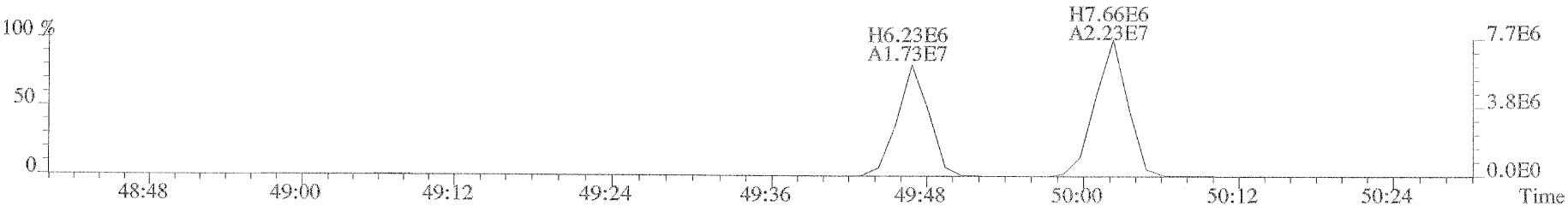
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



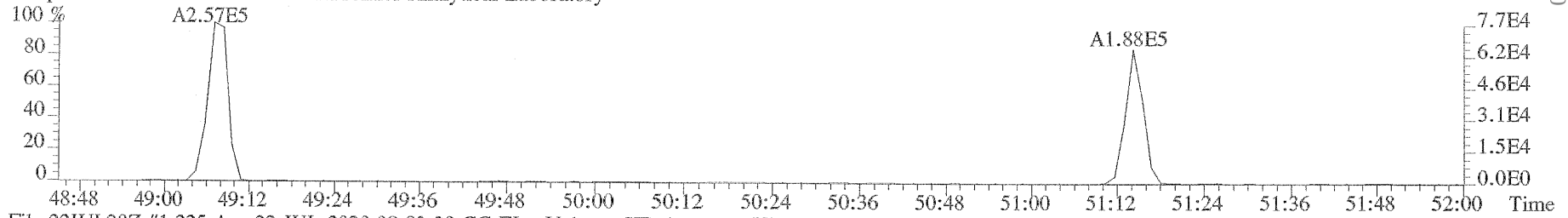
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



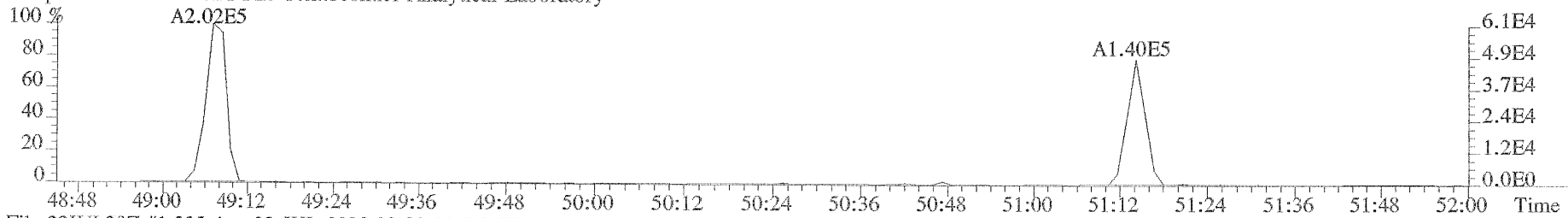
File:22JUL20Z #1-224 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



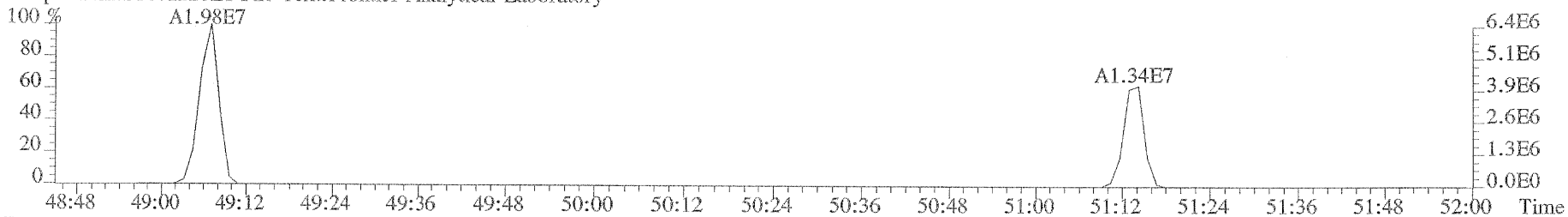
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



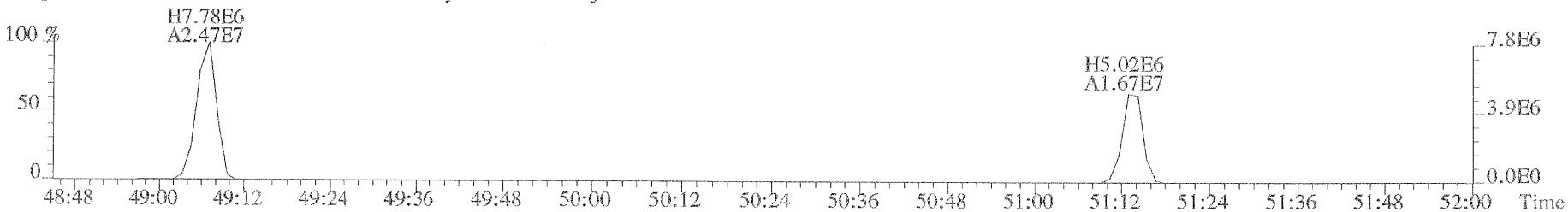
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



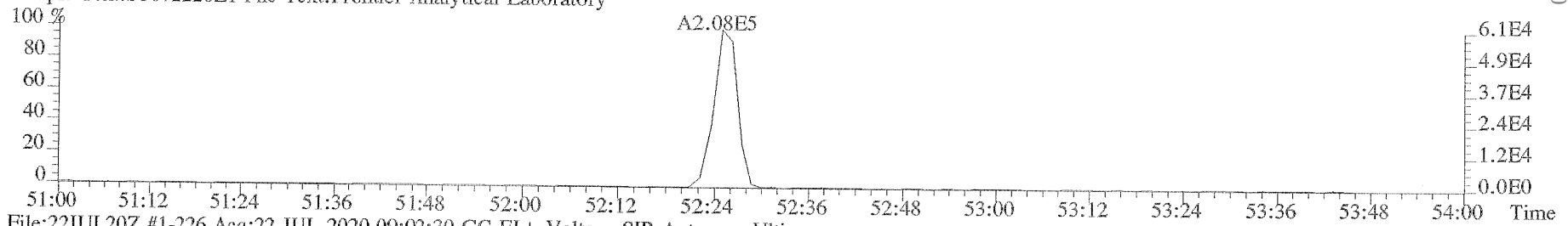
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



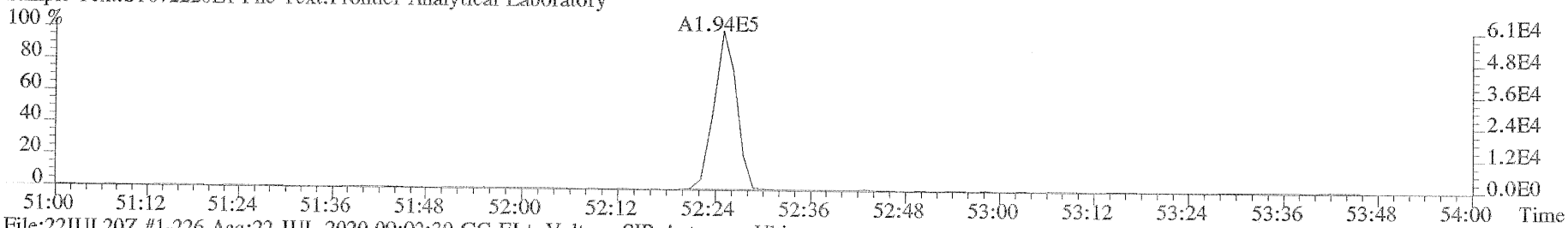
File:22JUL20Z #1-225 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



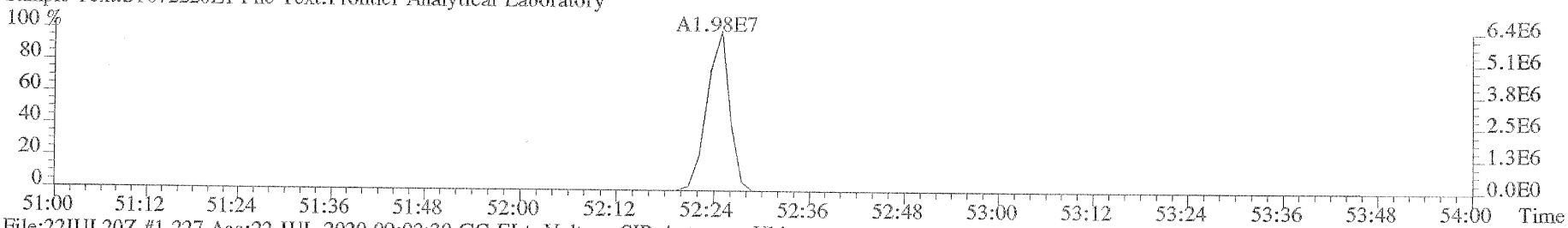
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



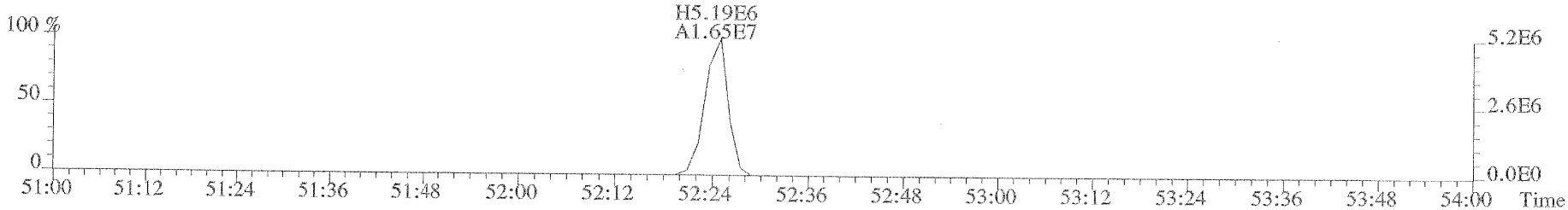
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



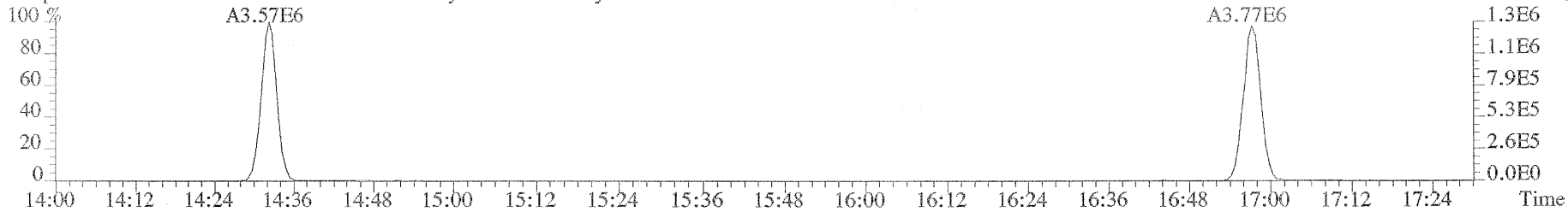
File:22JUL20Z #1-226 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



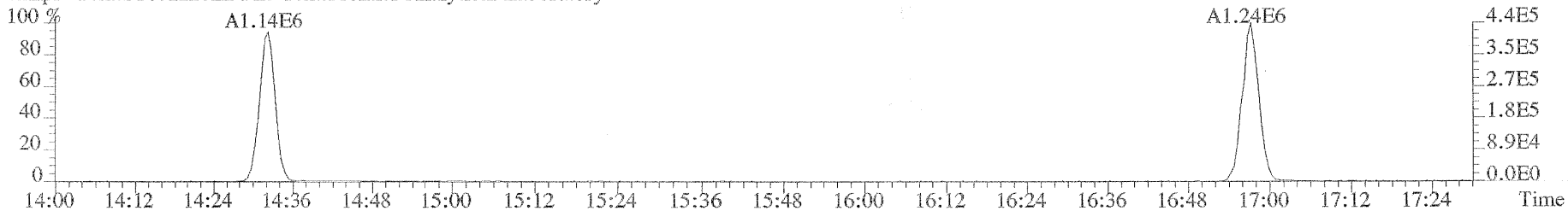
File:22JUL20Z #1-227 Acq:22-JUL-2020 09:02:30 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:2 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z1 File Text:Frontier Analytical Laboratory



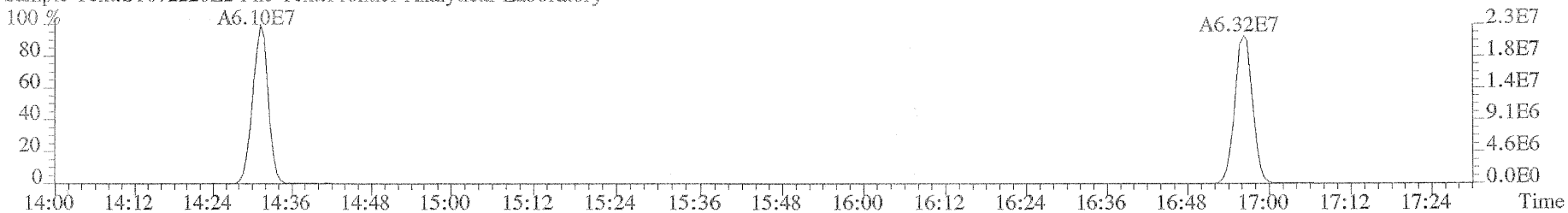
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



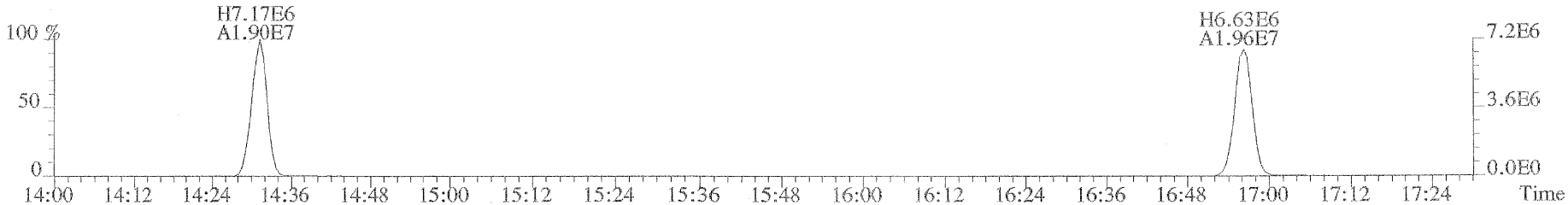
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



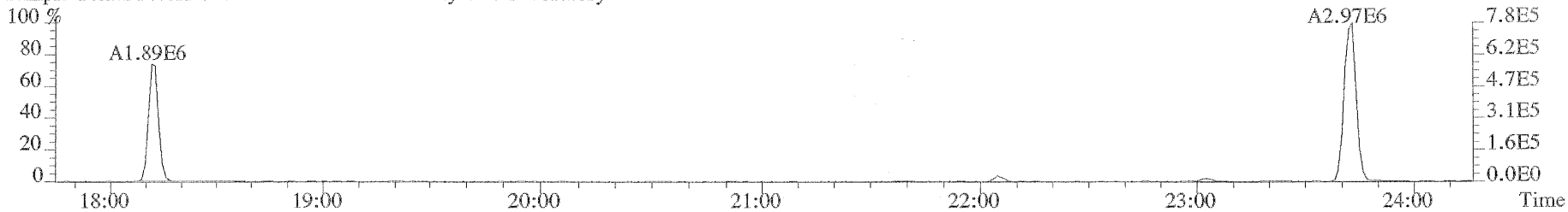
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



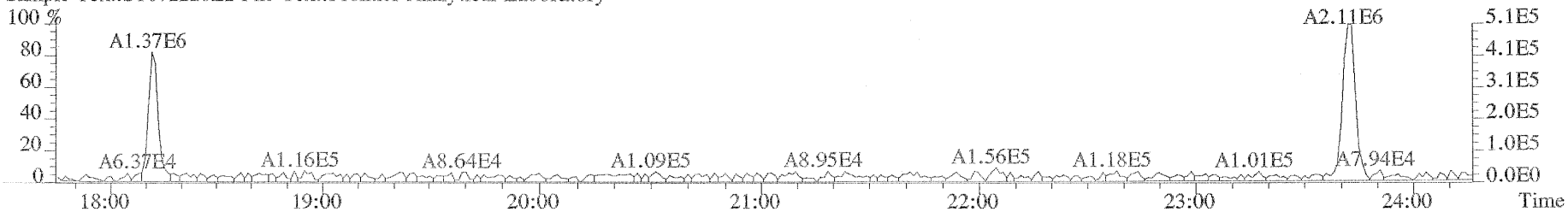
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



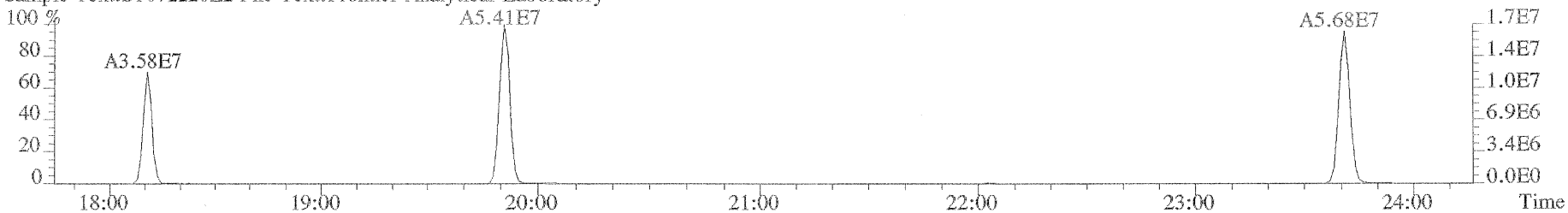
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



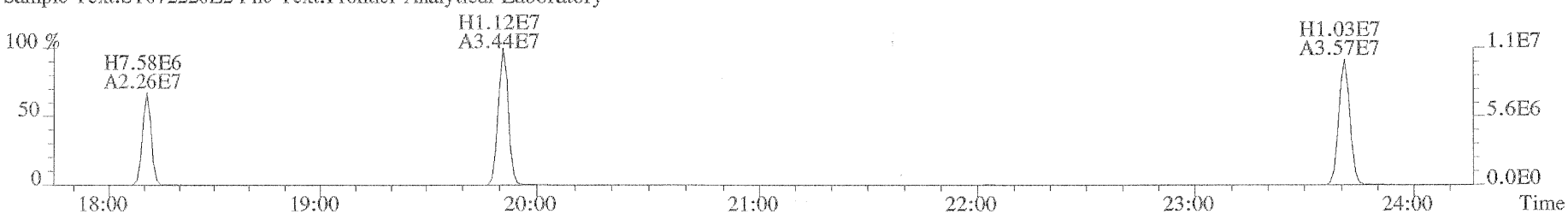
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



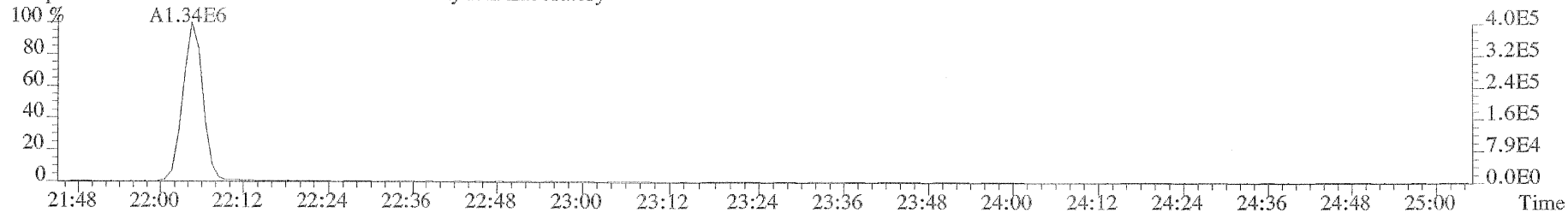
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



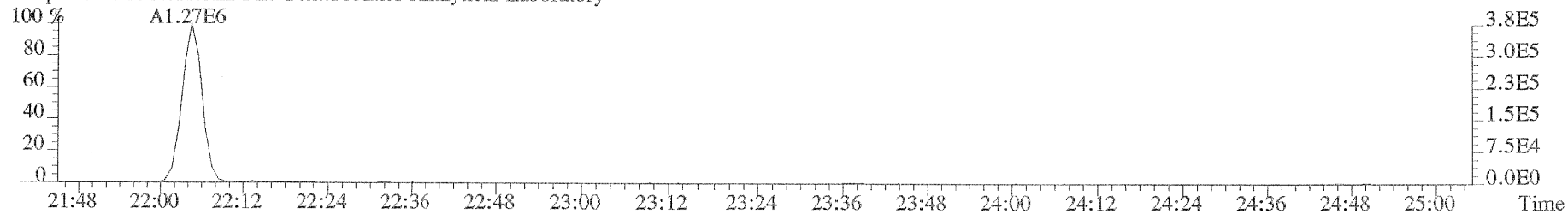
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:3 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



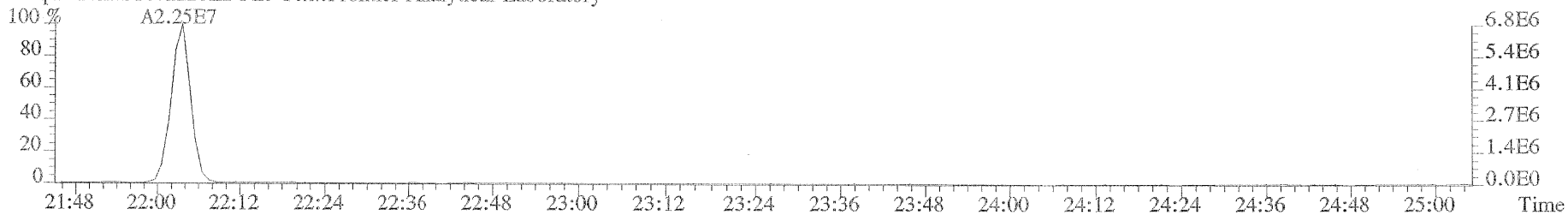
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



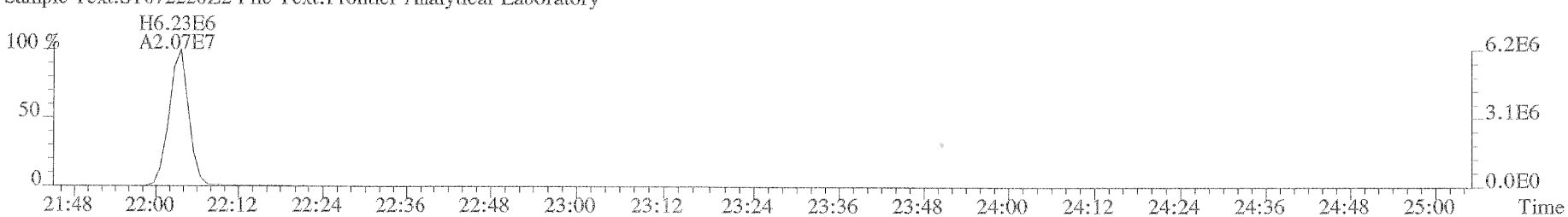
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



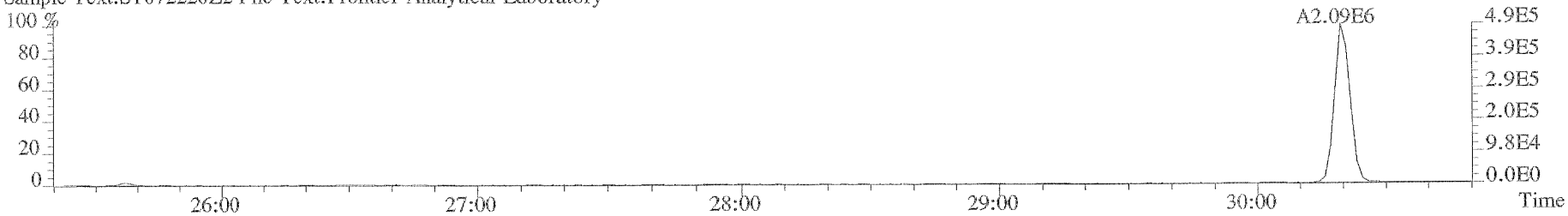
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



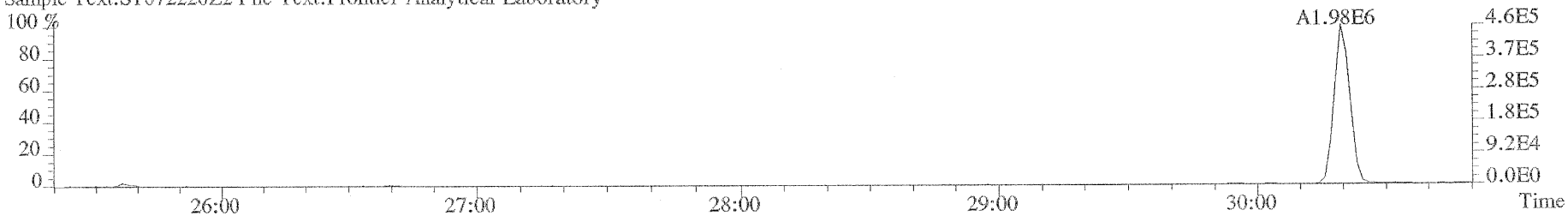
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



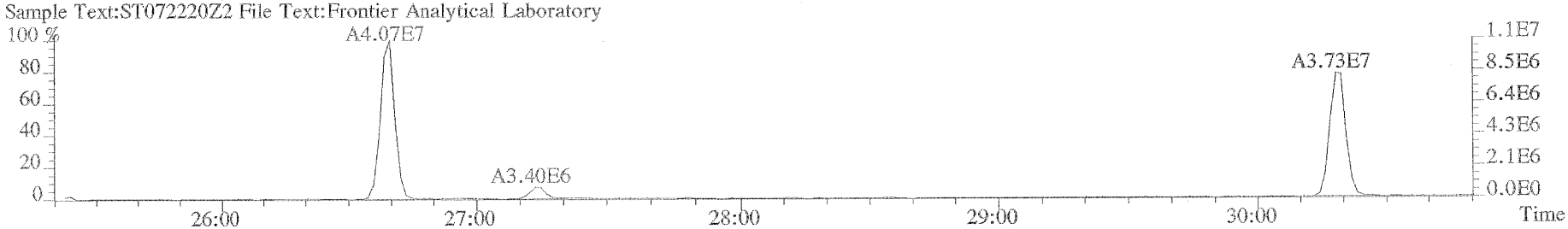
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



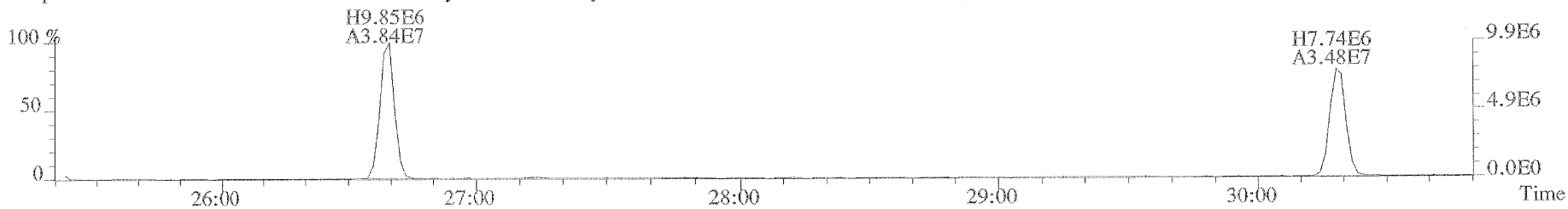
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



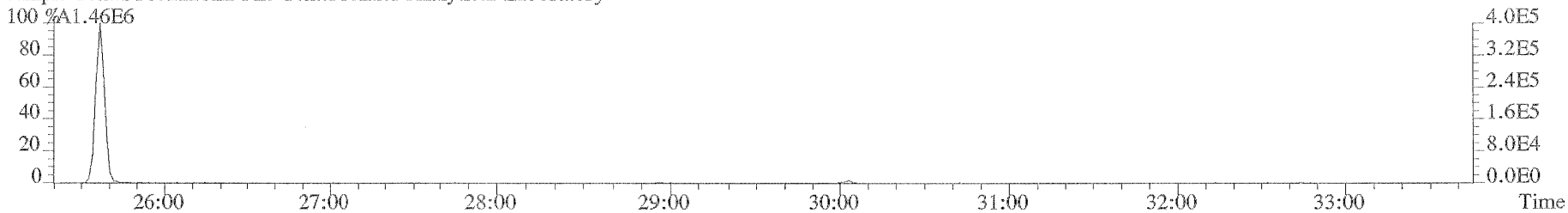
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



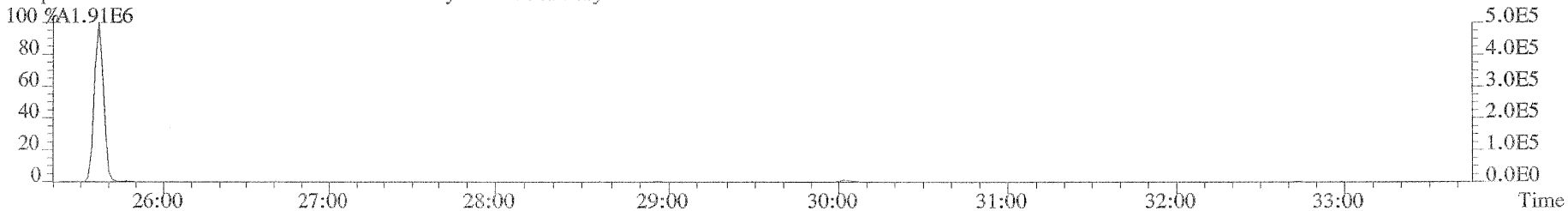
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



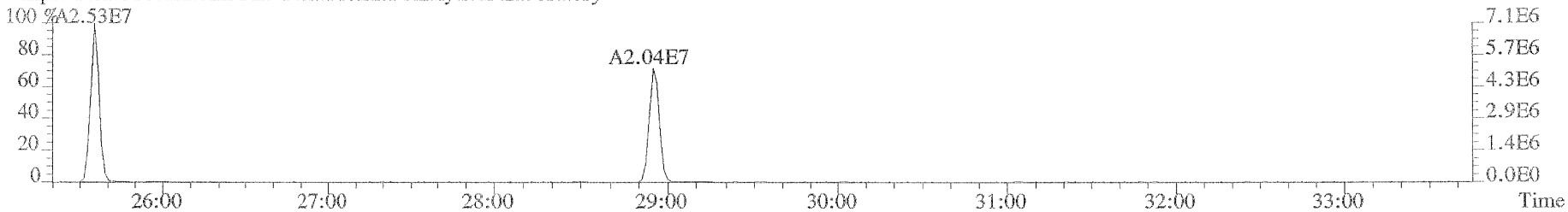
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



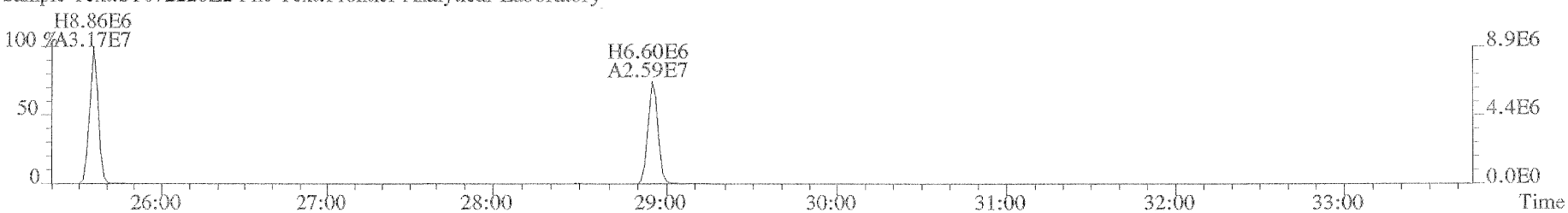
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



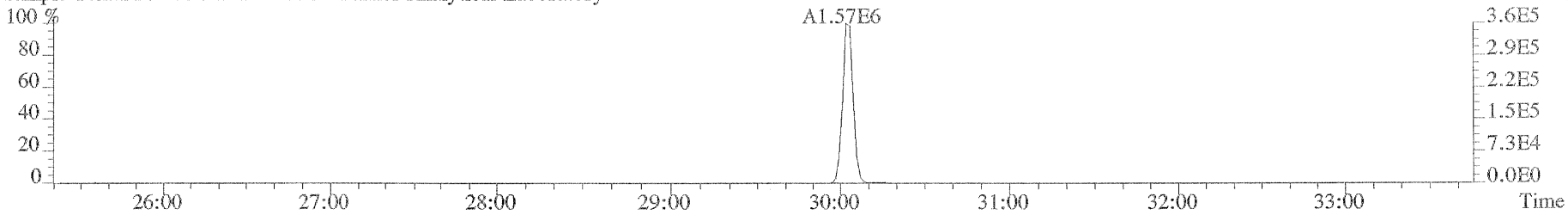
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



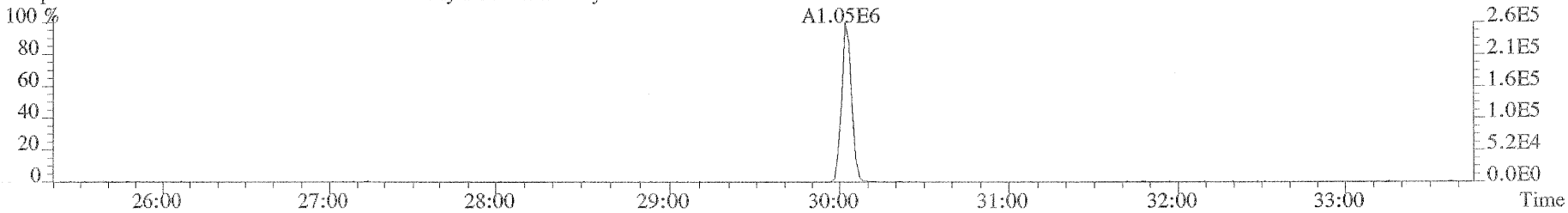
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



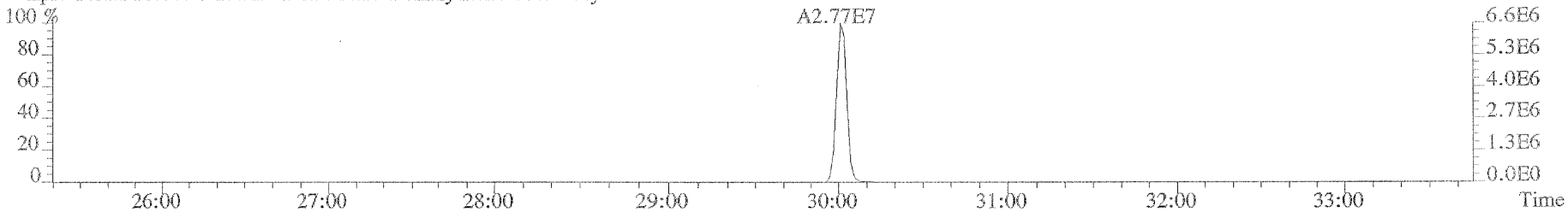
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



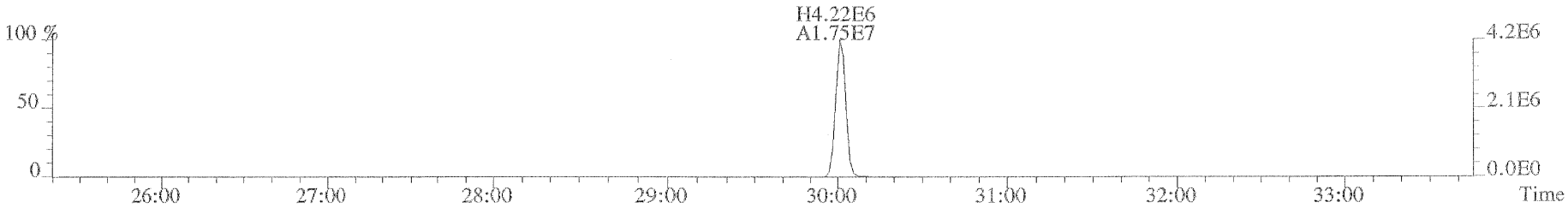
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



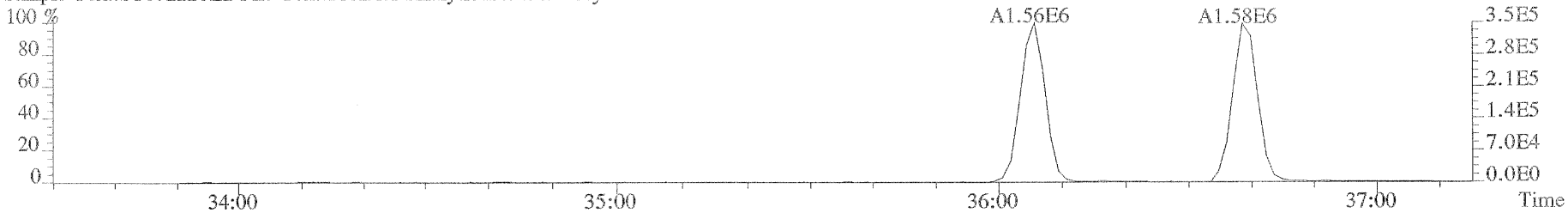
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



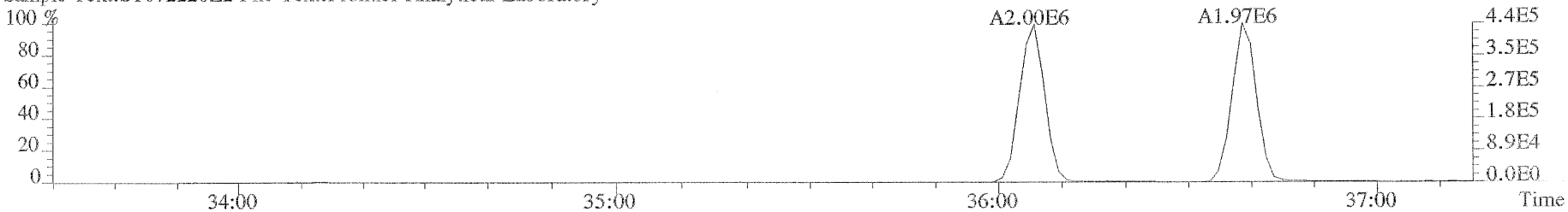
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



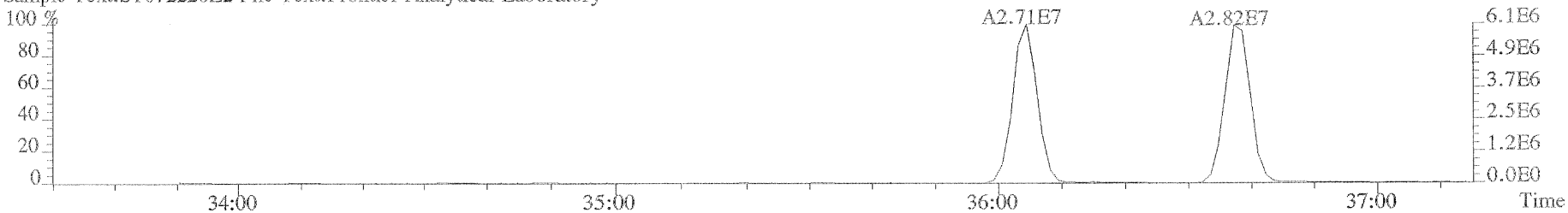
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



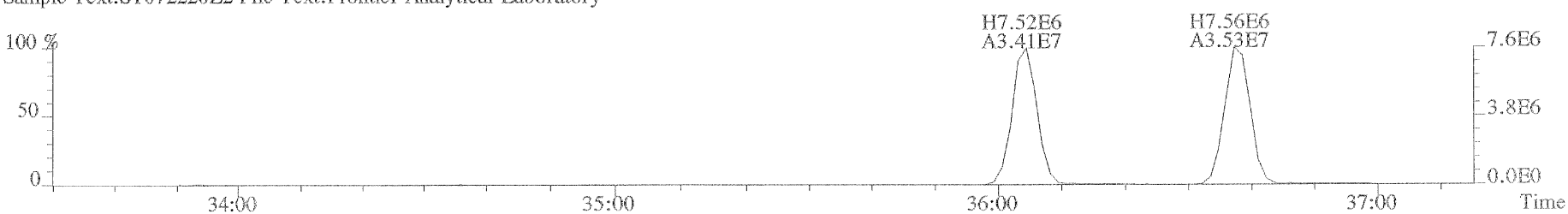
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



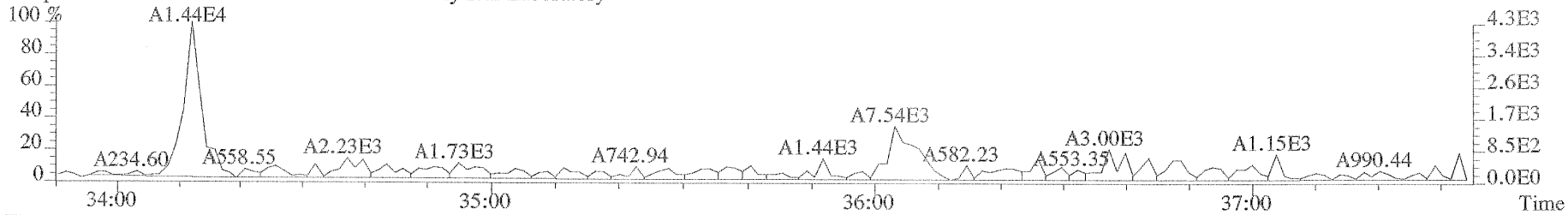
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



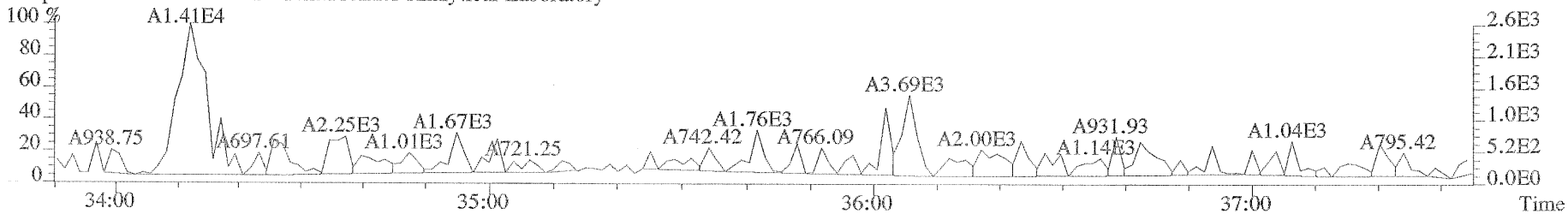
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



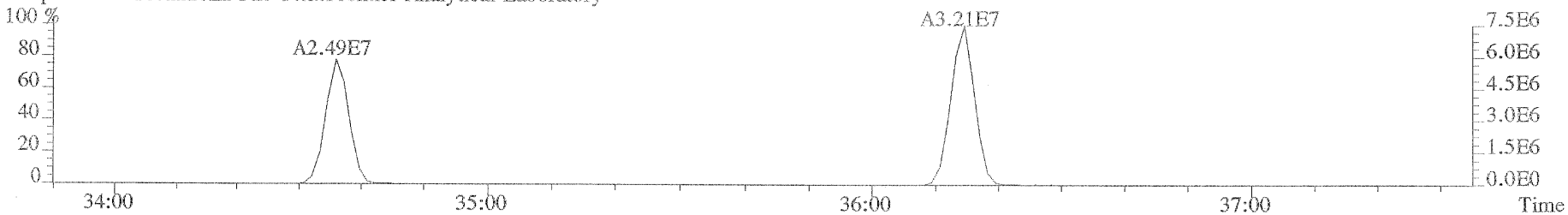
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



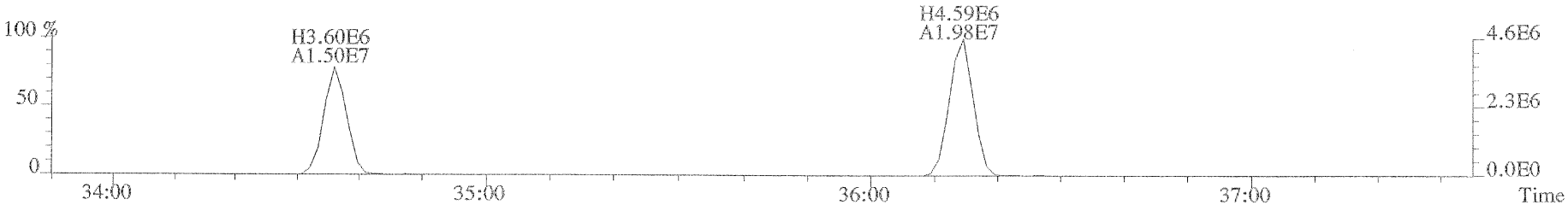
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



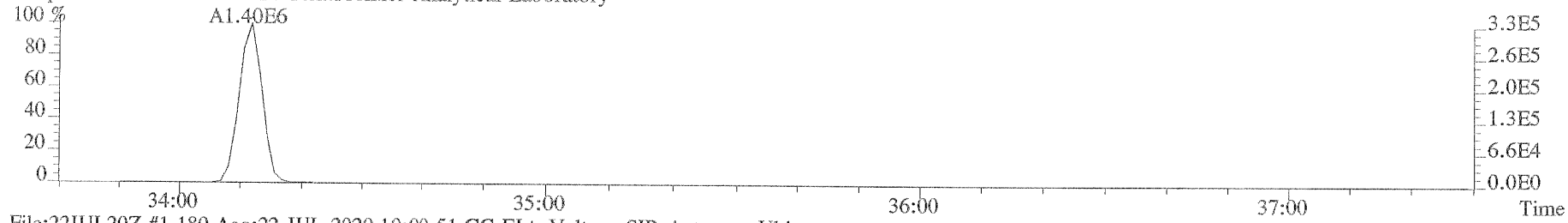
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



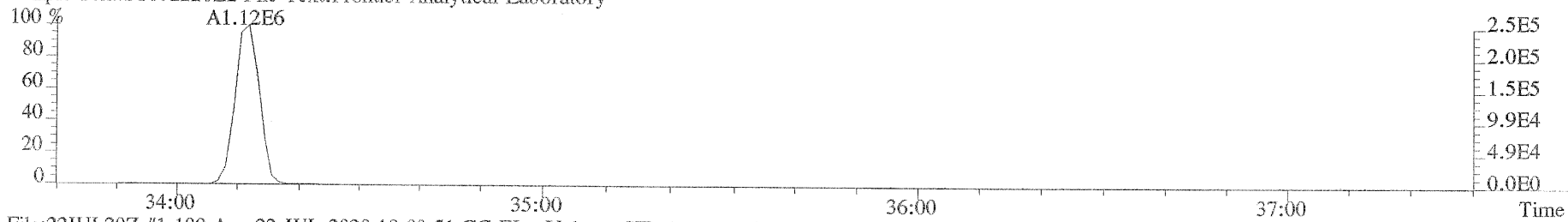
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



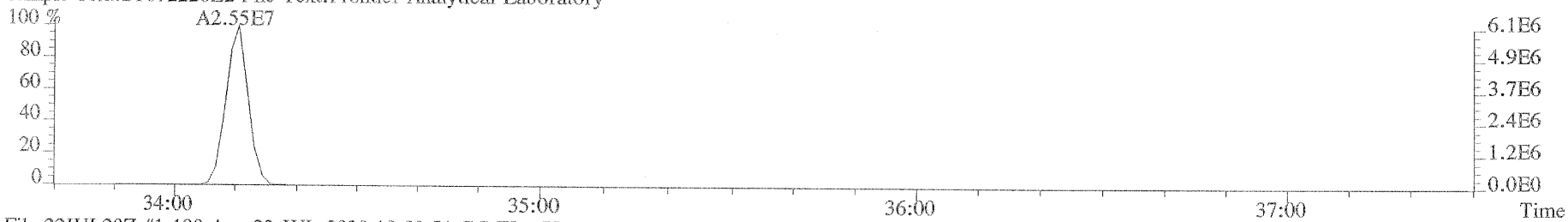
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



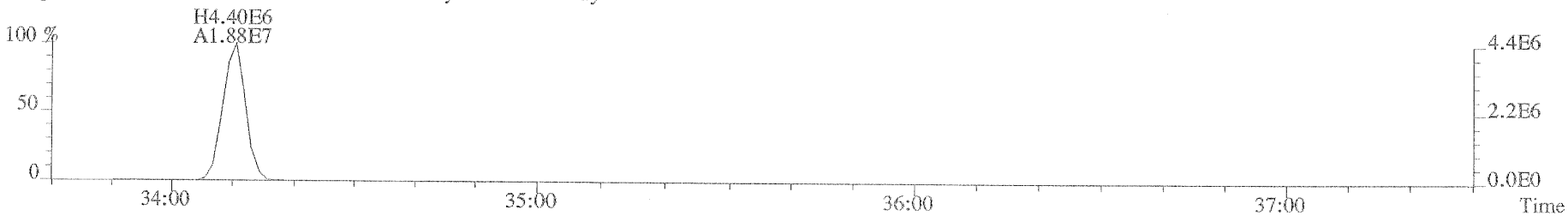
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



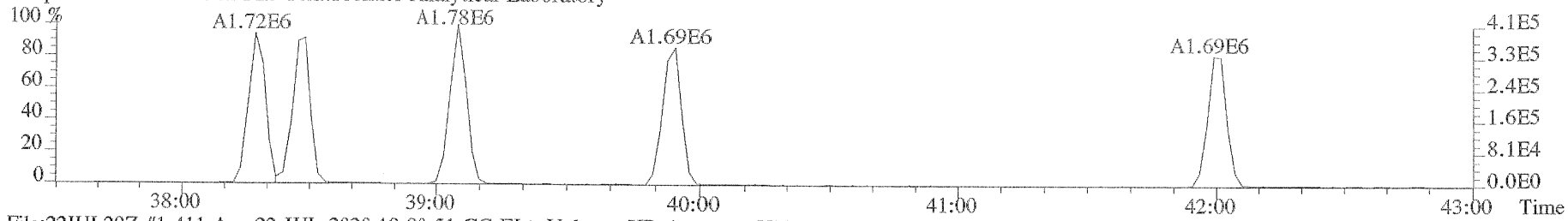
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



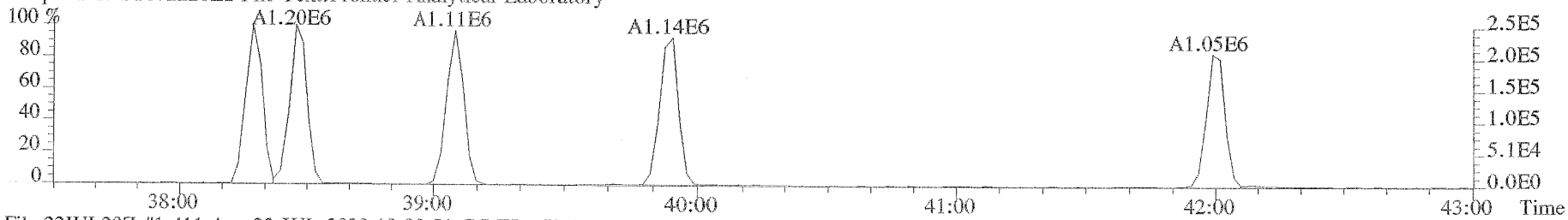
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



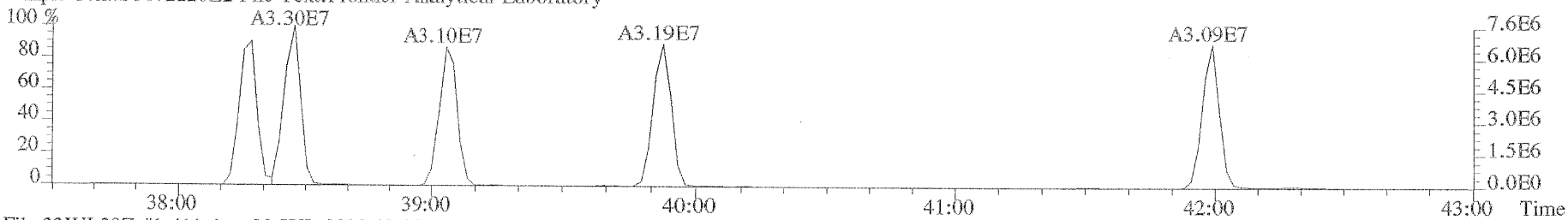
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



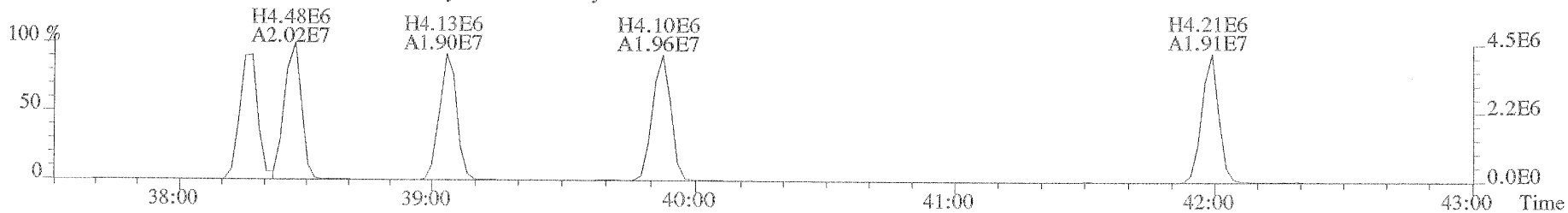
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



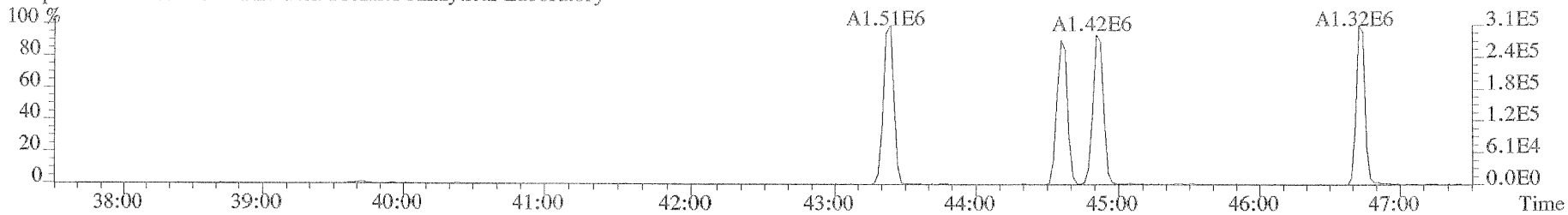
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



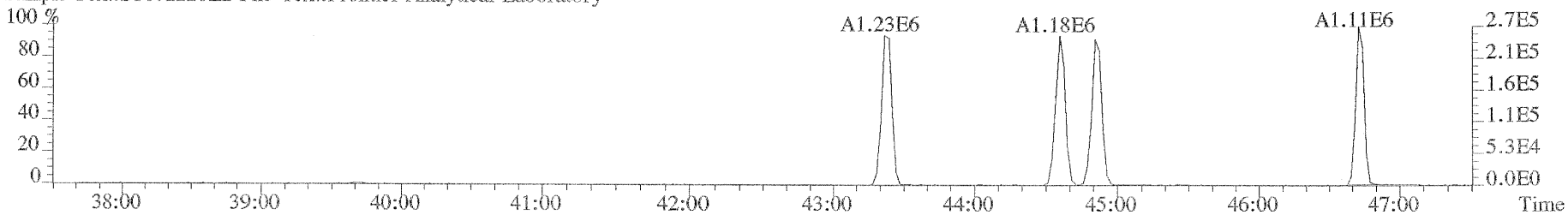
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



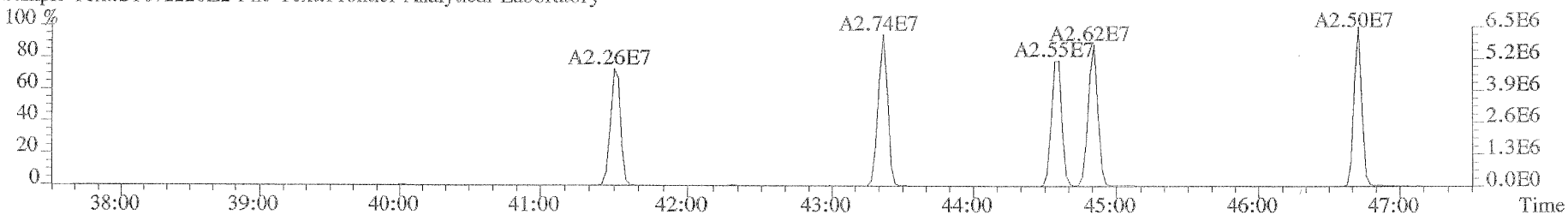
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



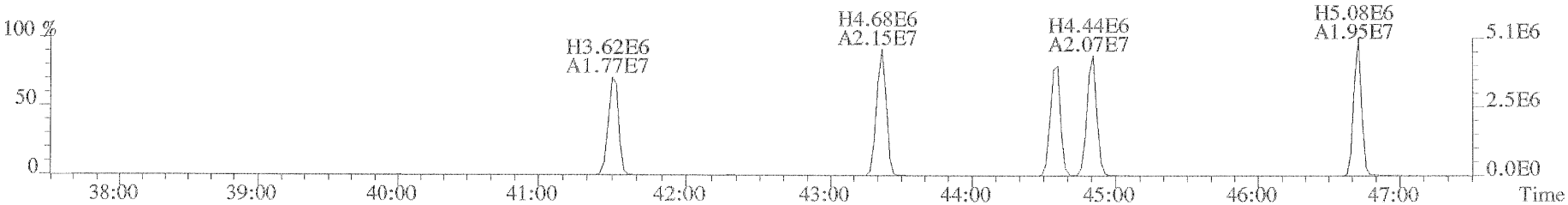
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



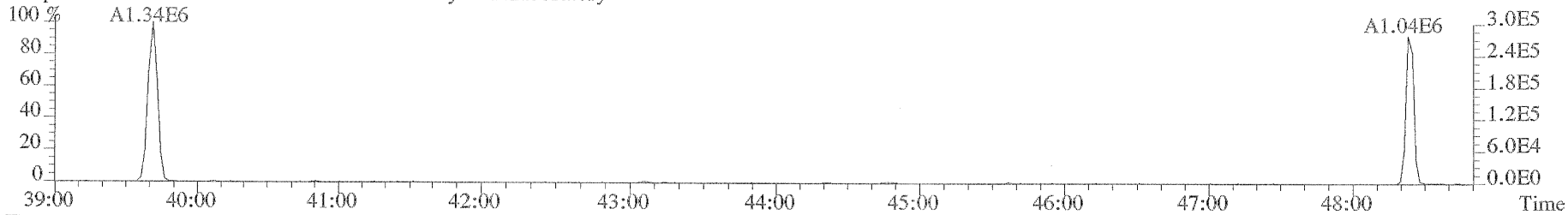
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



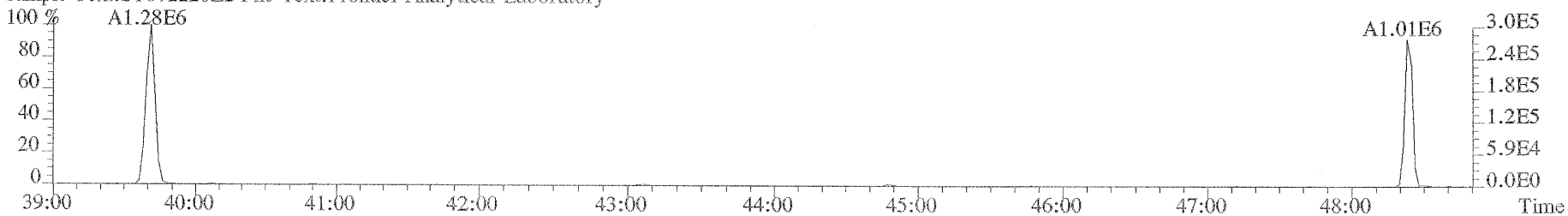
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



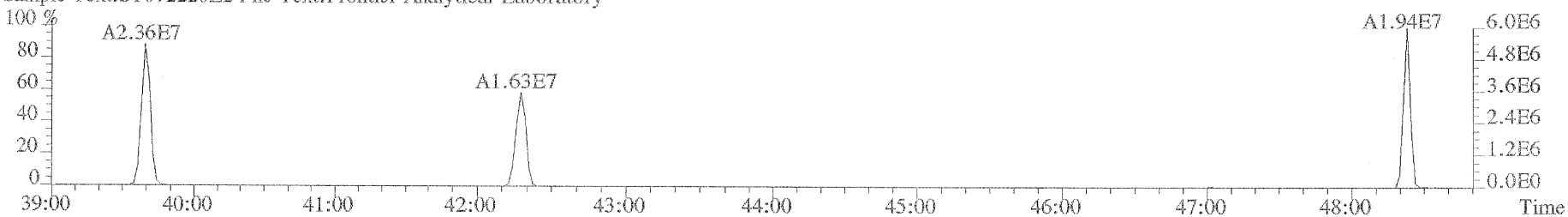
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



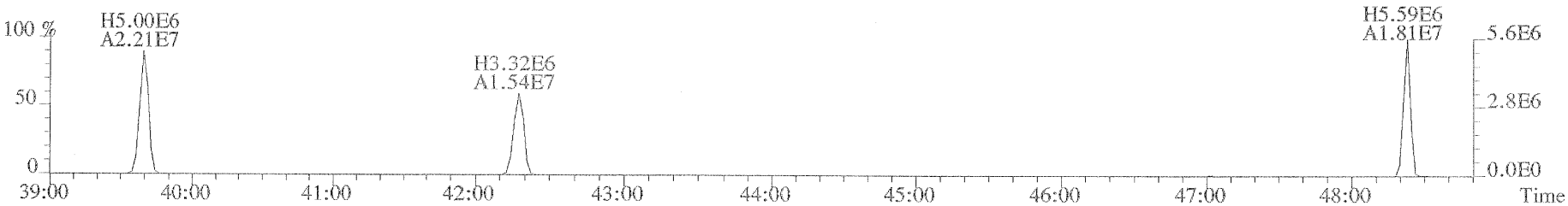
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



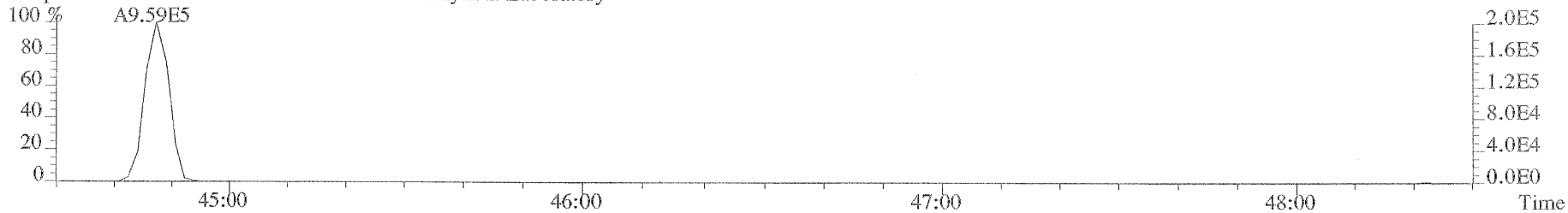
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



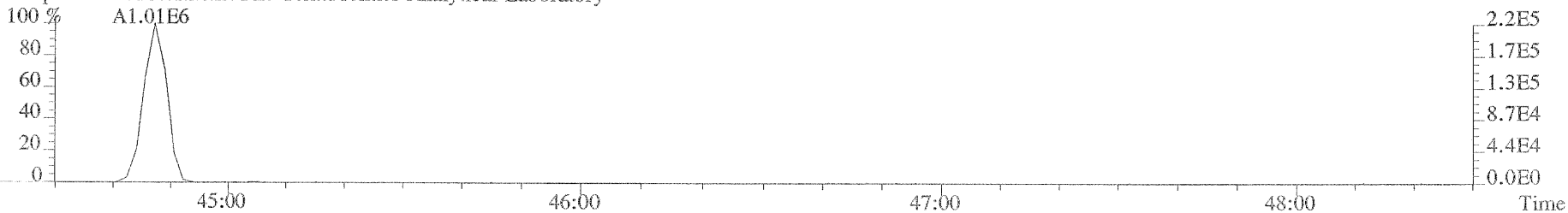
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



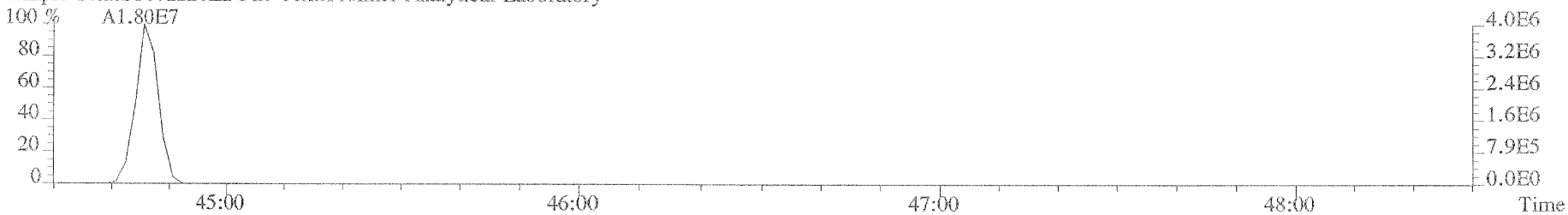
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



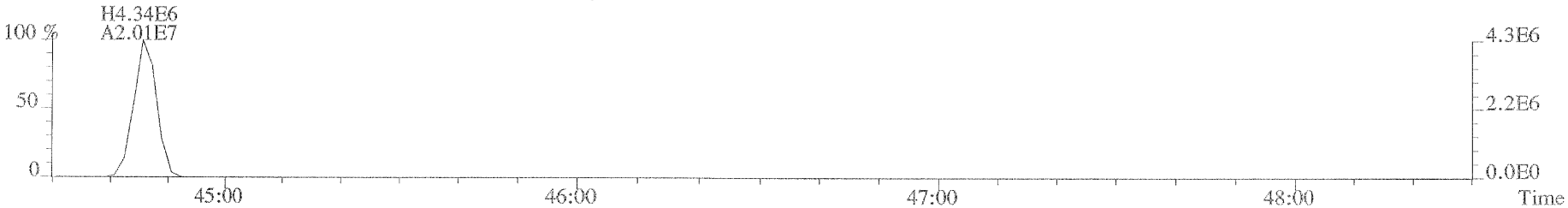
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



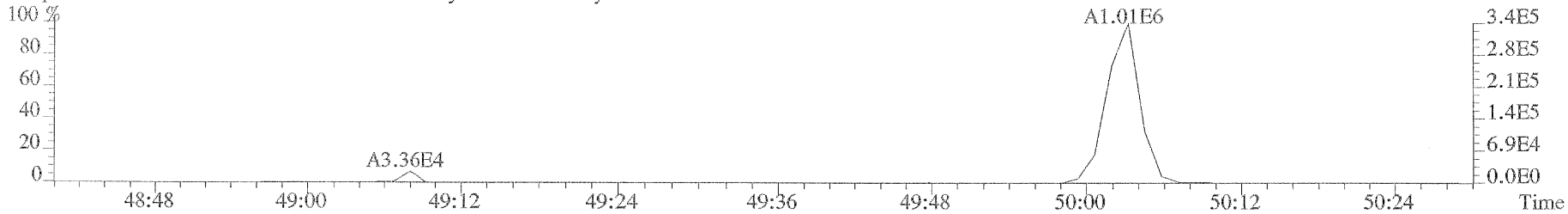
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



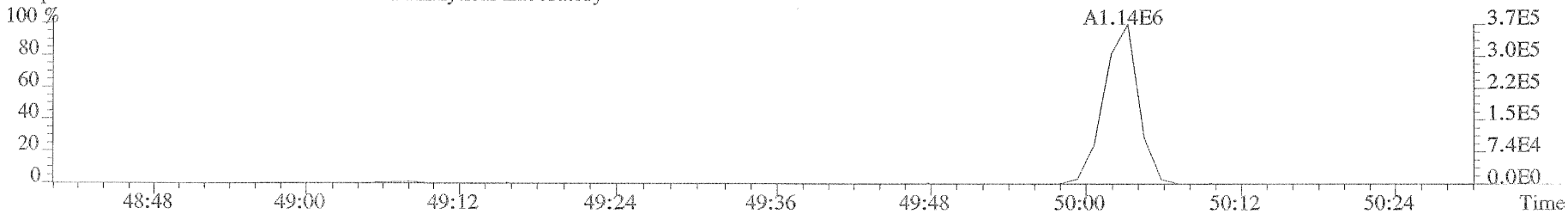
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



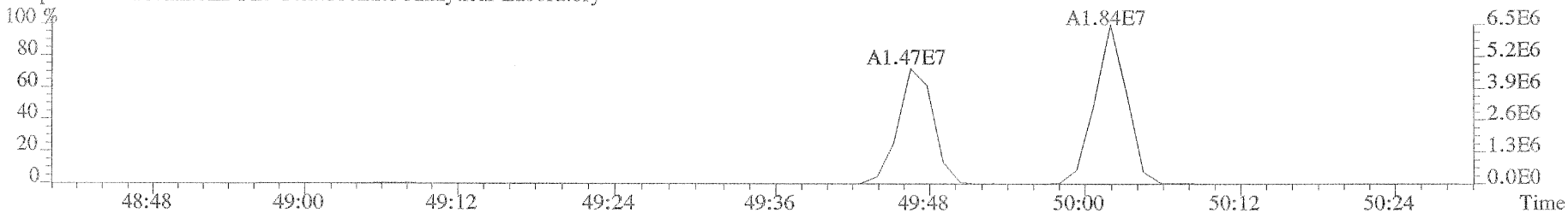
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



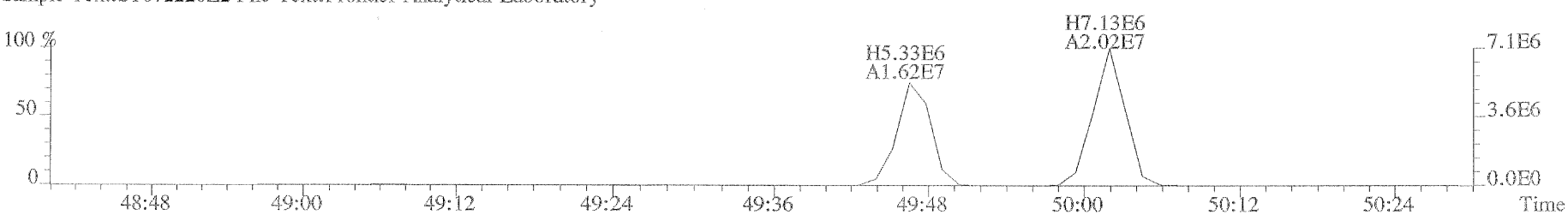
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



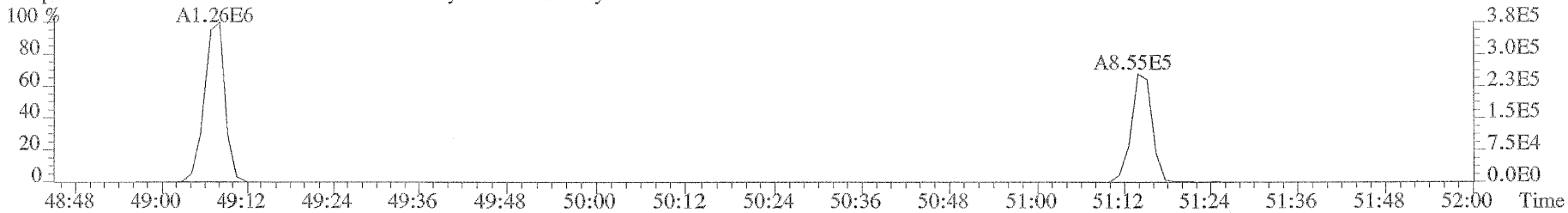
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



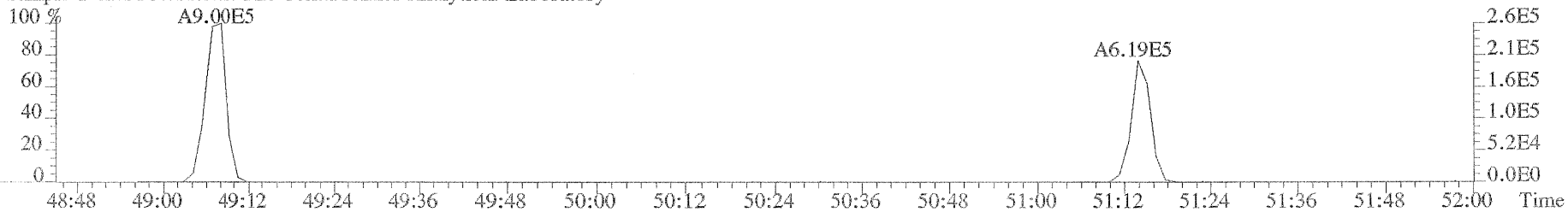
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



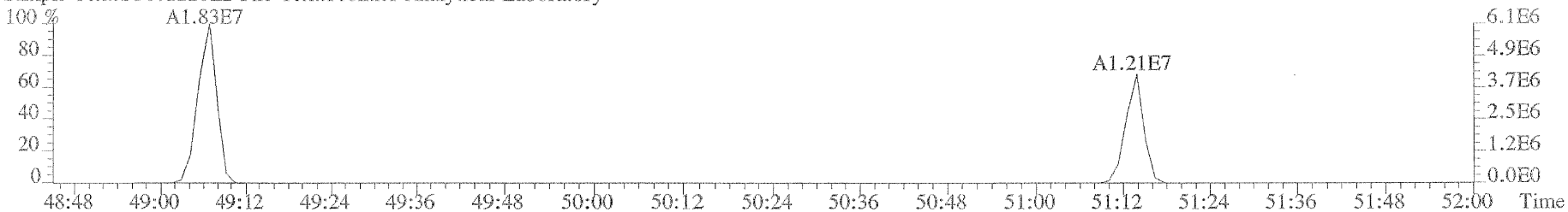
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



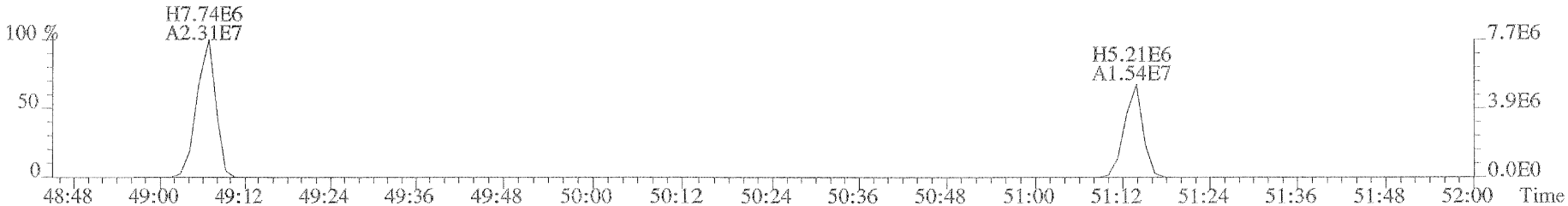
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



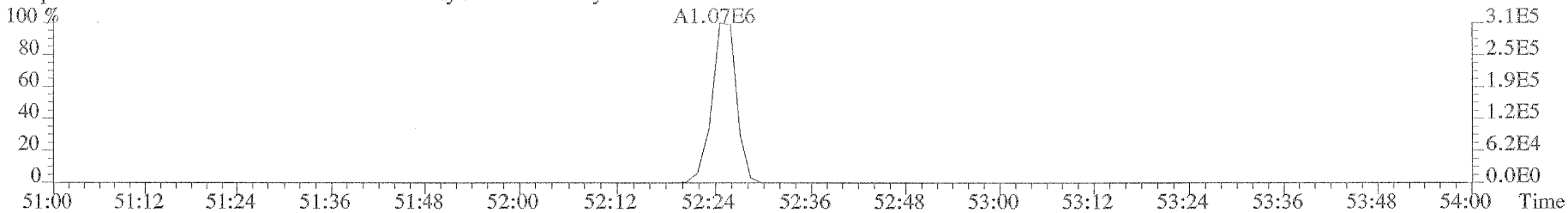
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



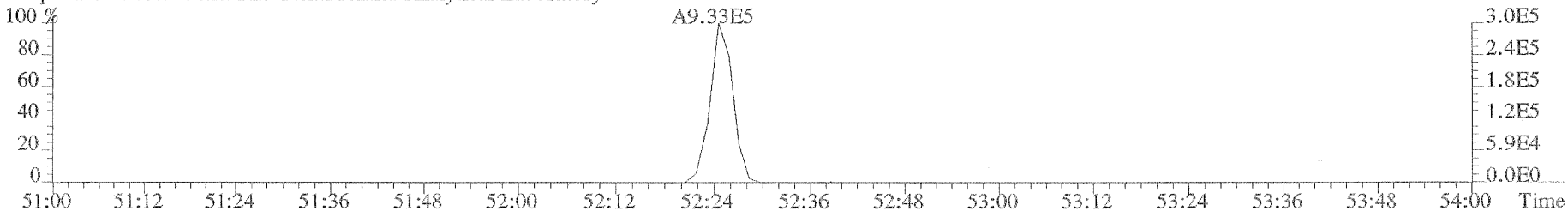
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



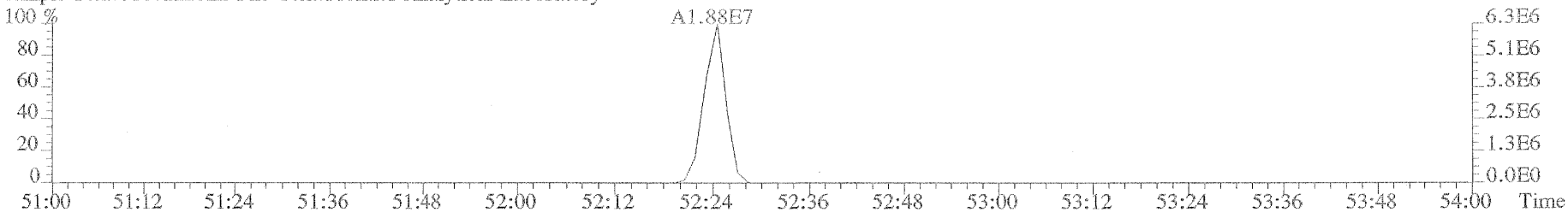
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



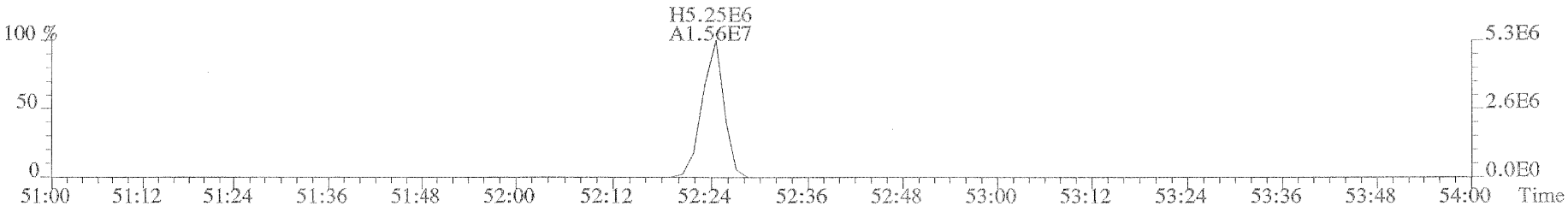
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



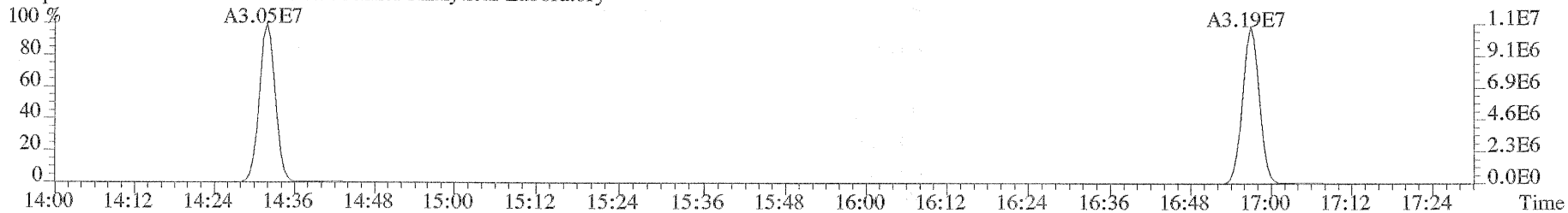
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



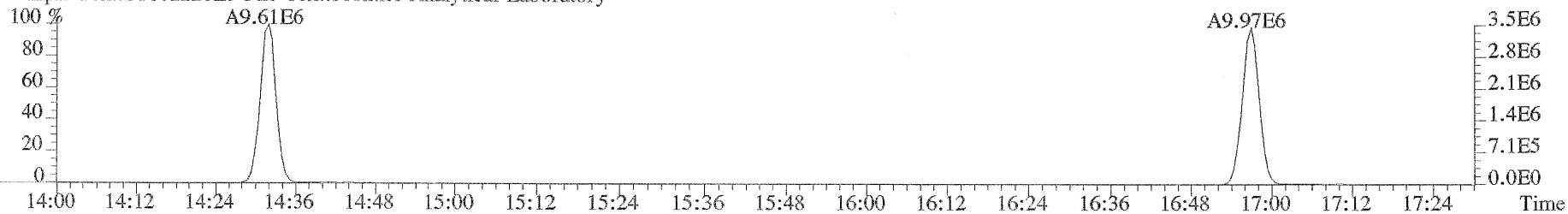
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:00:51 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:3 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z2 File Text:Frontier Analytical Laboratory



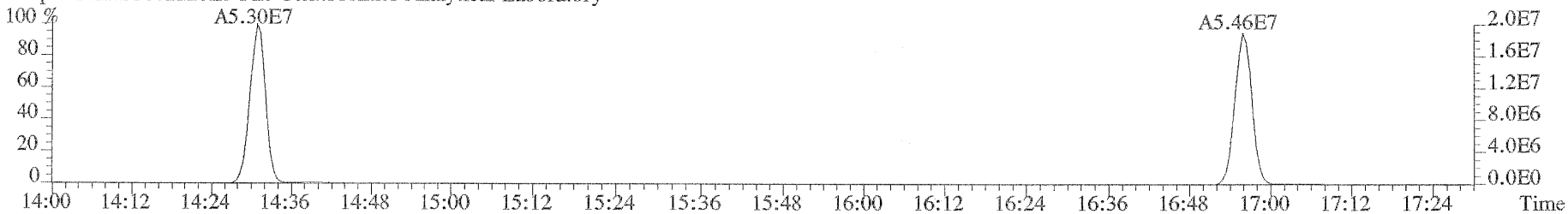
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



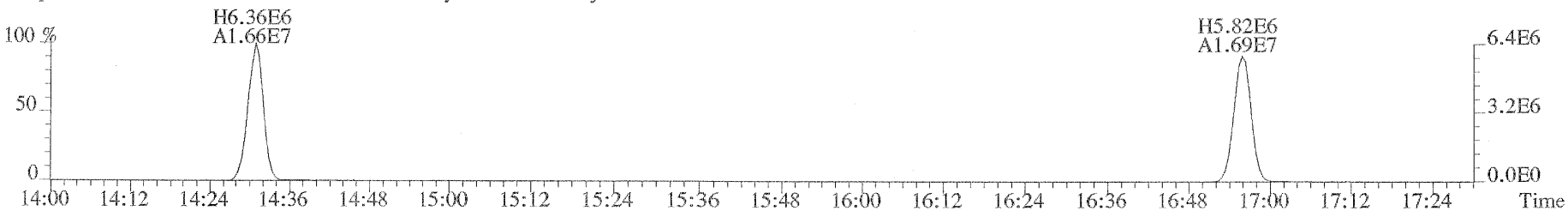
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



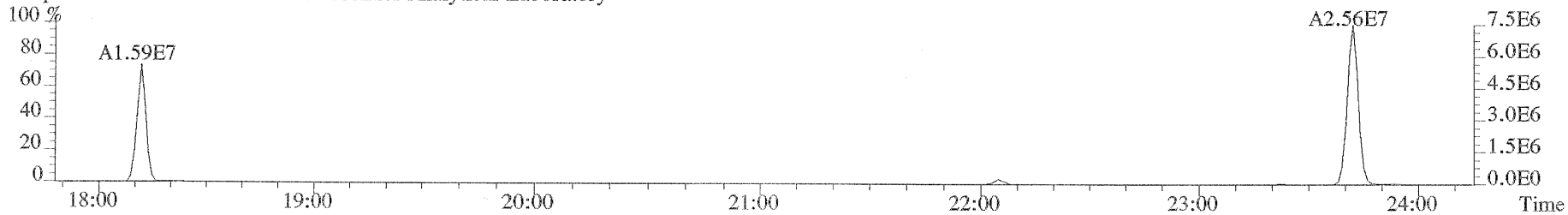
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



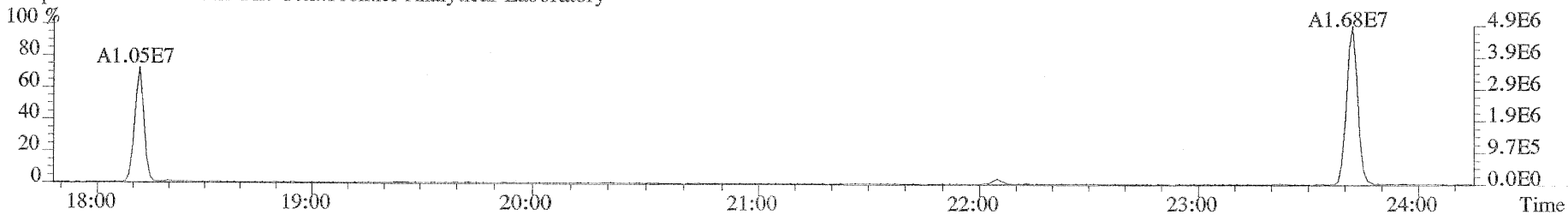
File:22JUL20Z #1-783 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



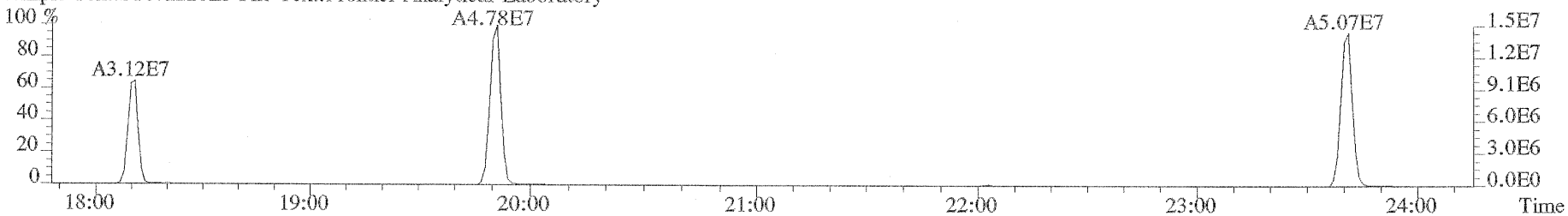
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



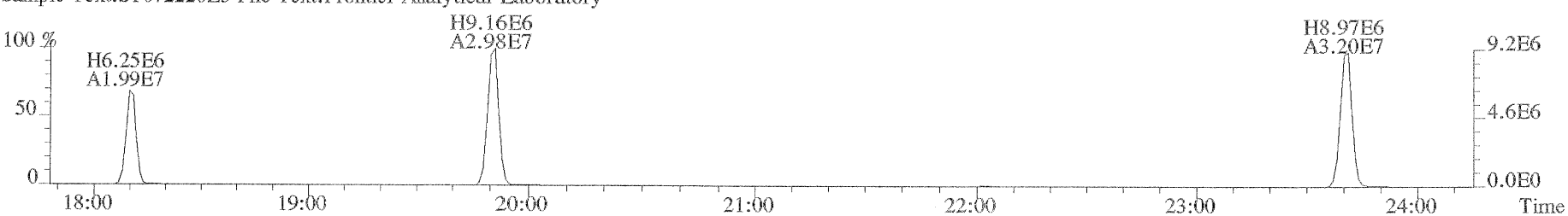
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



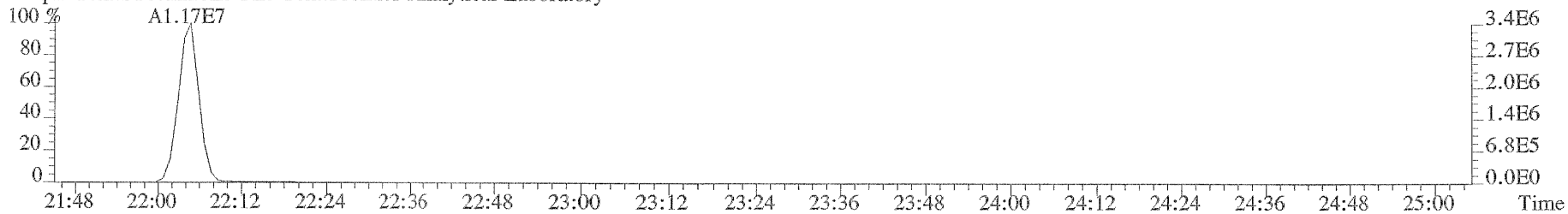
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



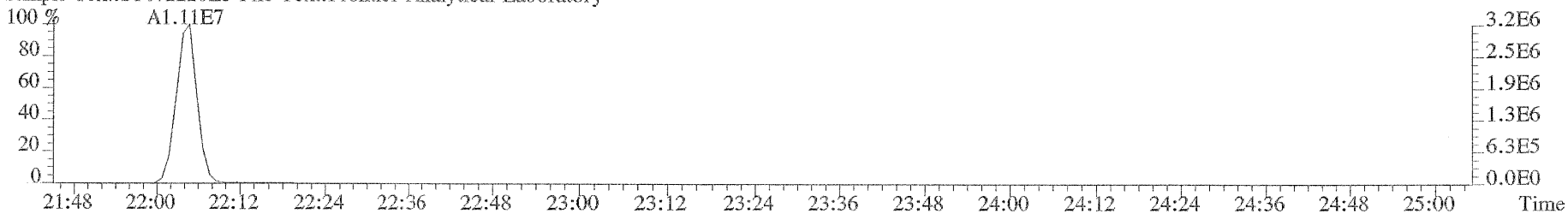
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



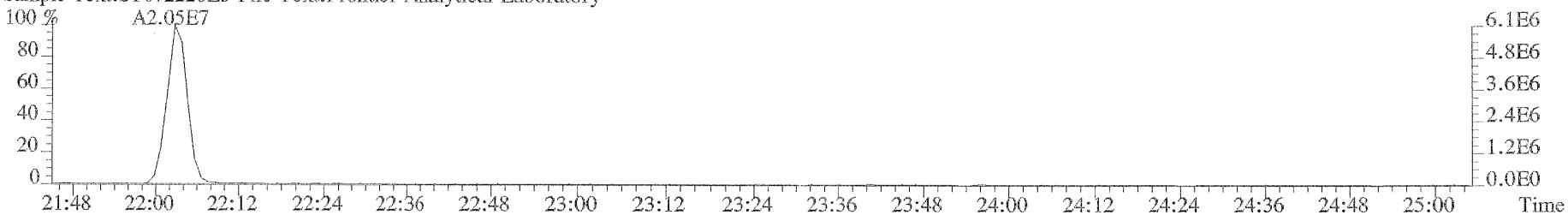
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



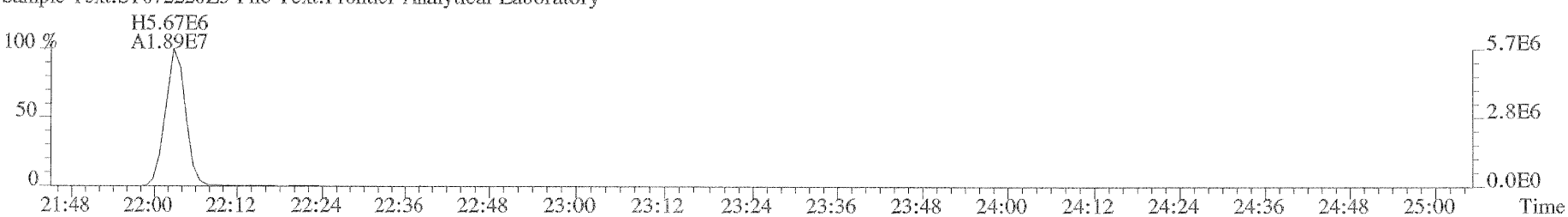
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



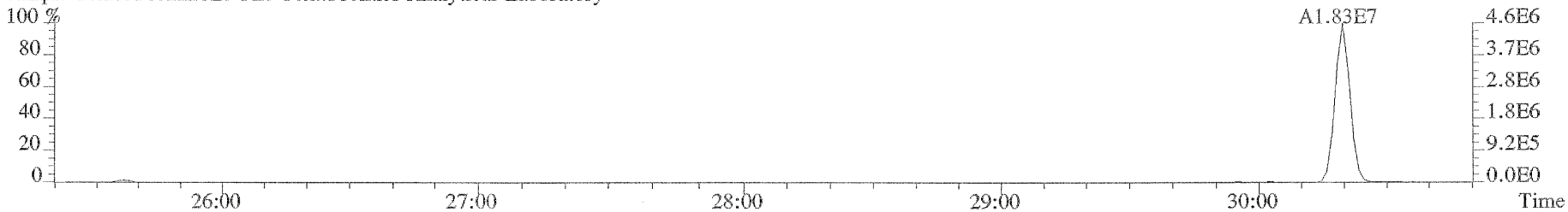
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



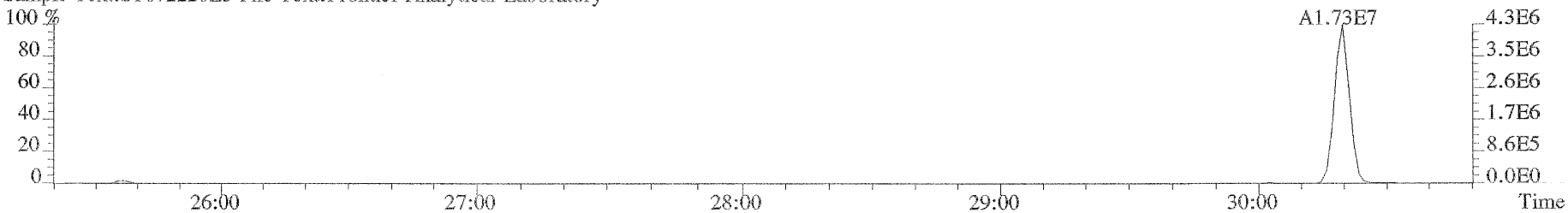
File:22JUL20Z #1-467 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



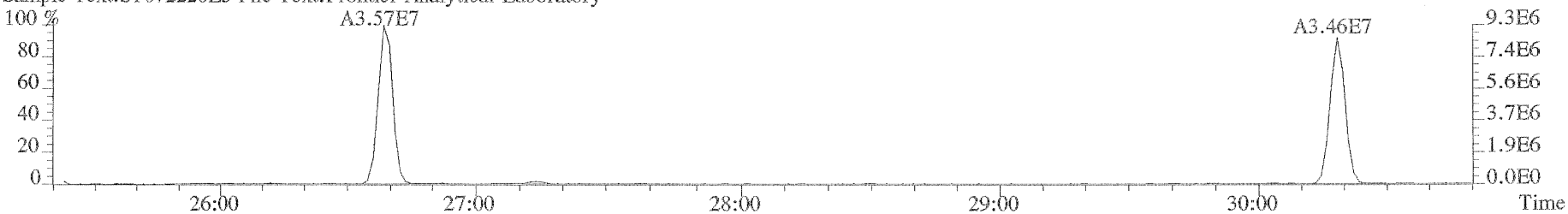
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



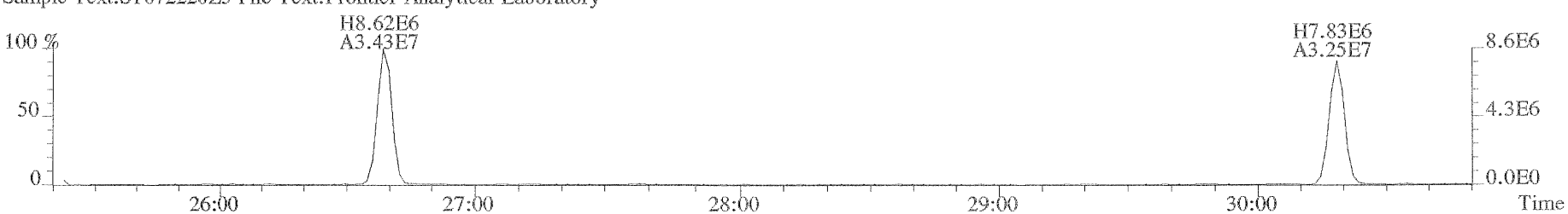
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



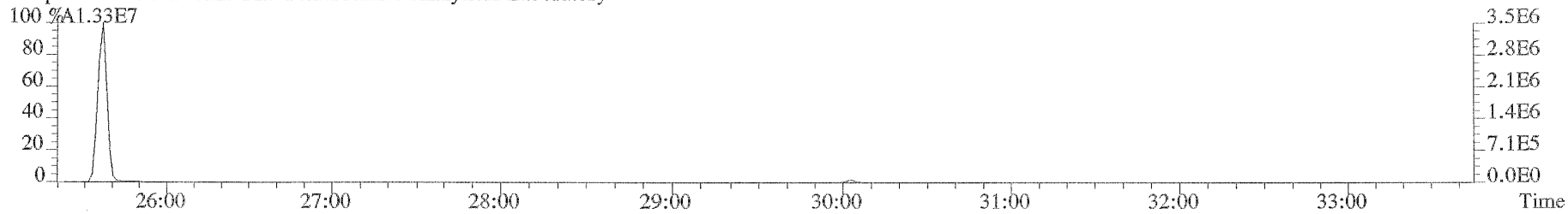
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



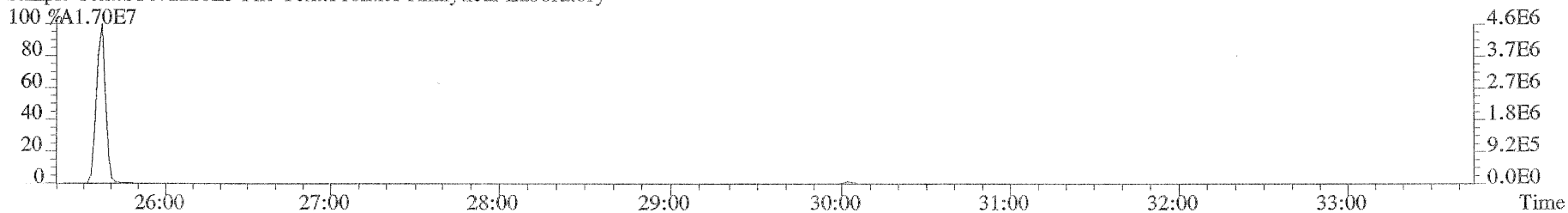
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



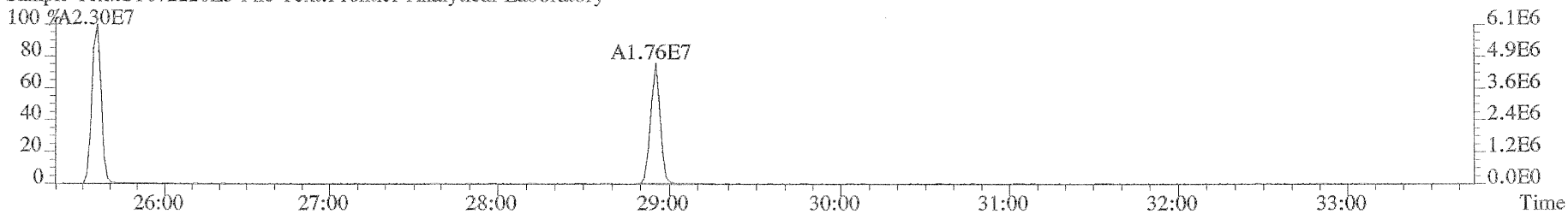
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



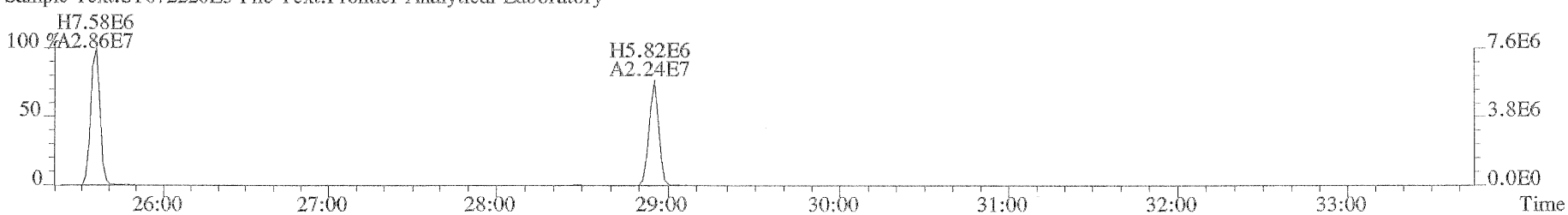
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



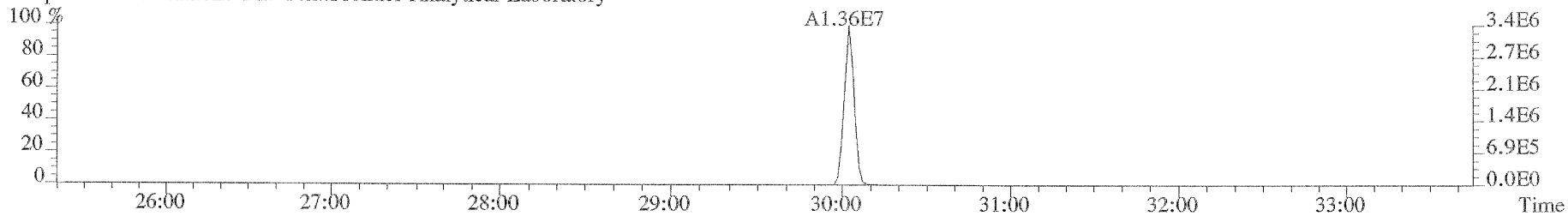
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



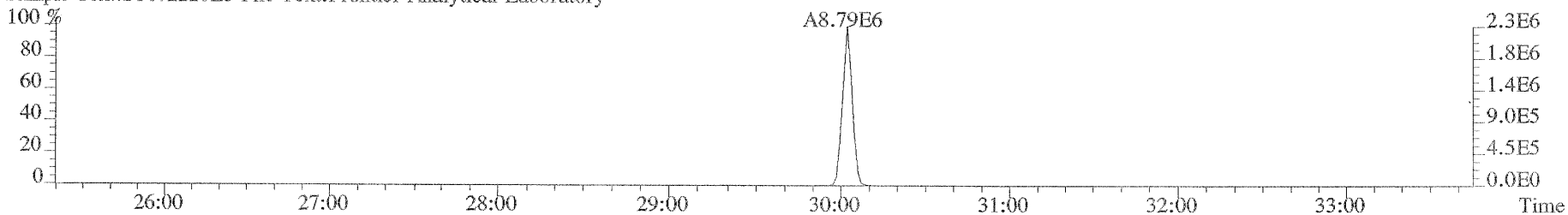
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



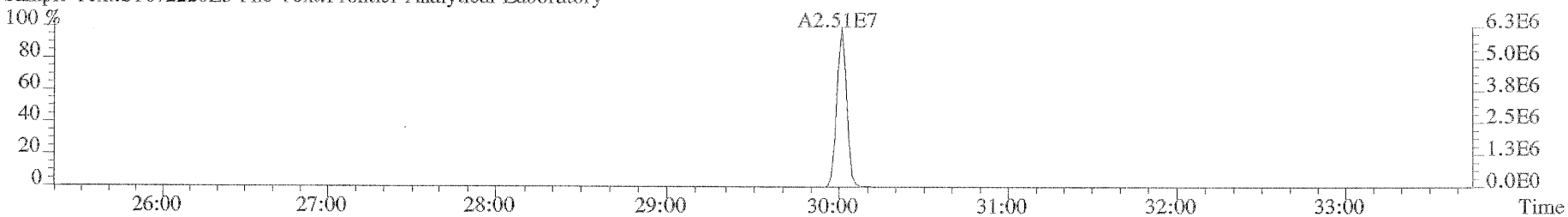
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



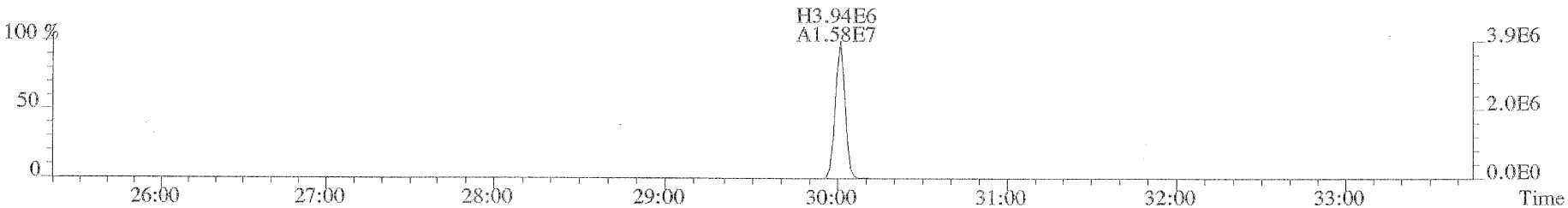
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



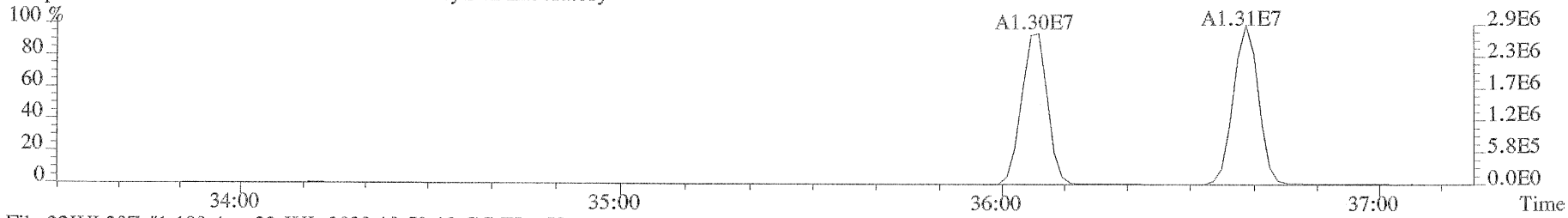
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



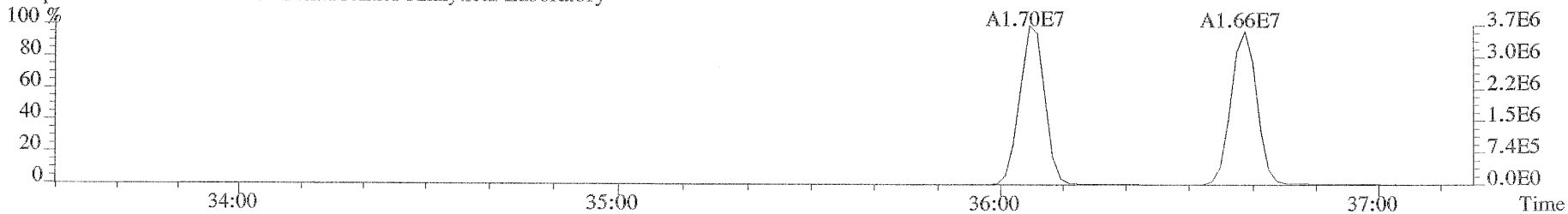
File:22JUL20Z #1-401 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



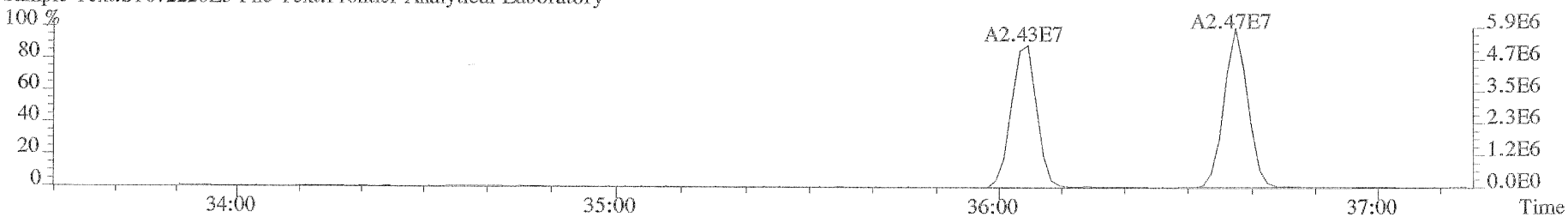
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



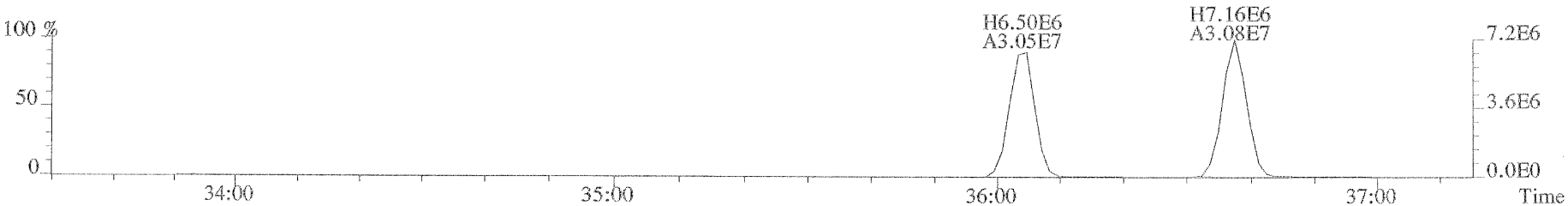
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



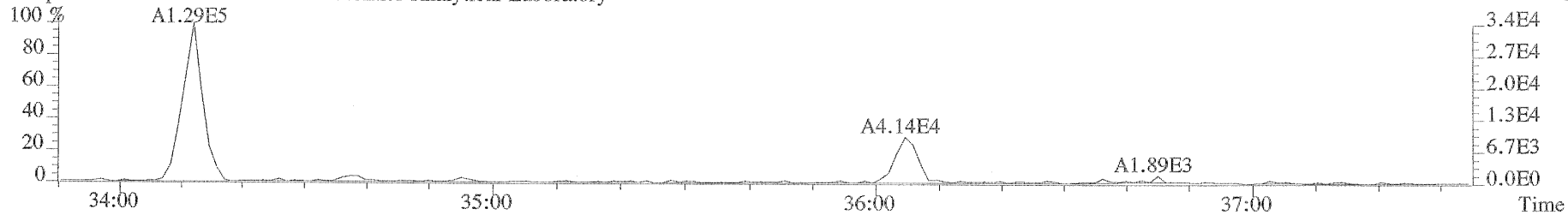
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



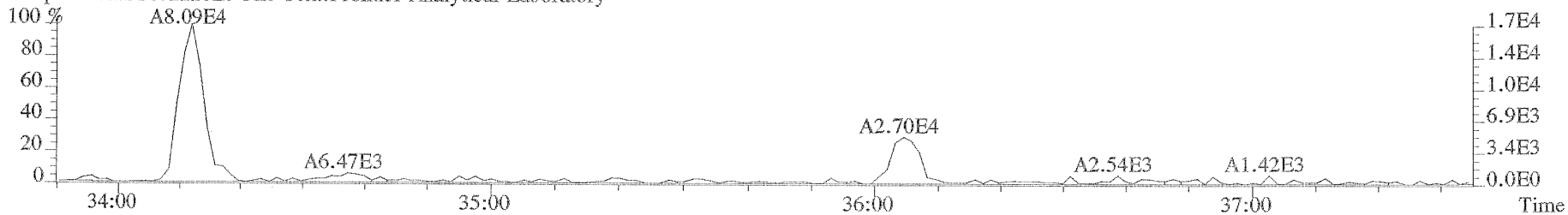
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



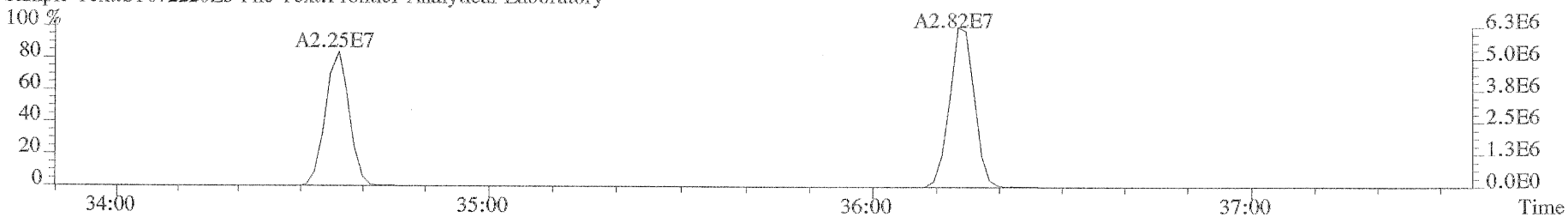
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



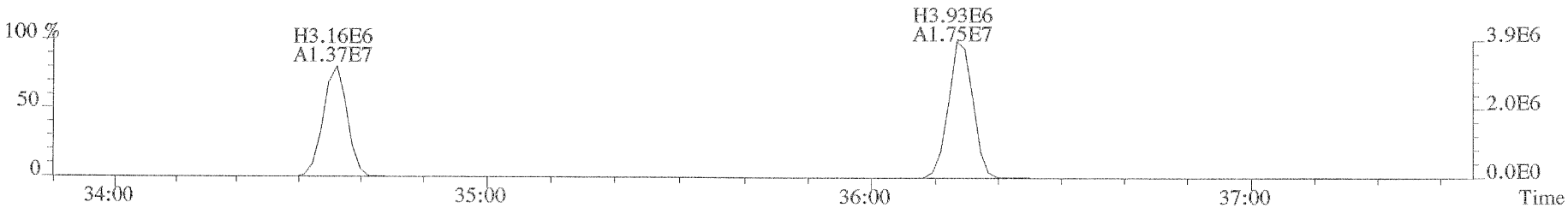
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



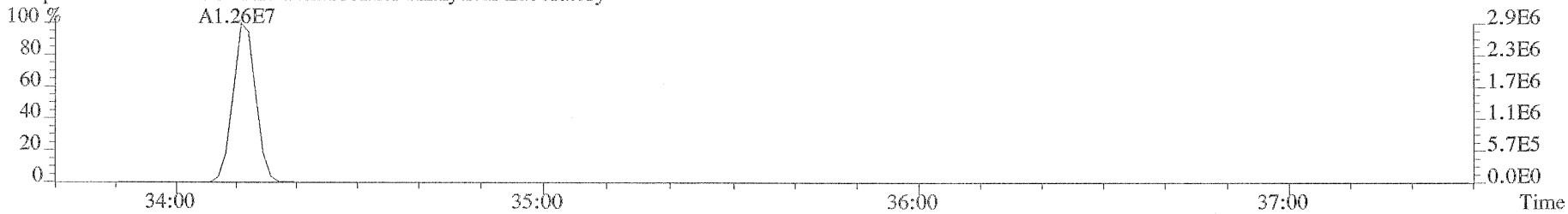
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



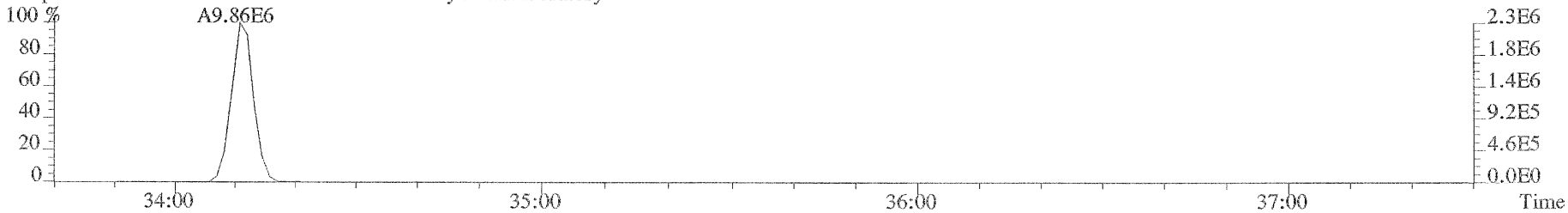
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



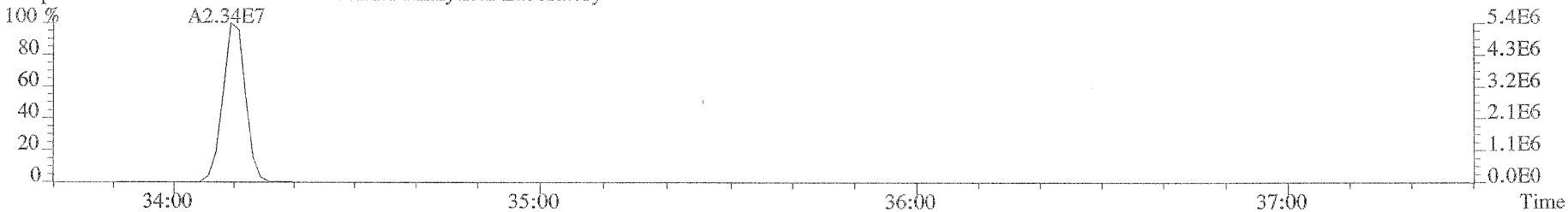
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



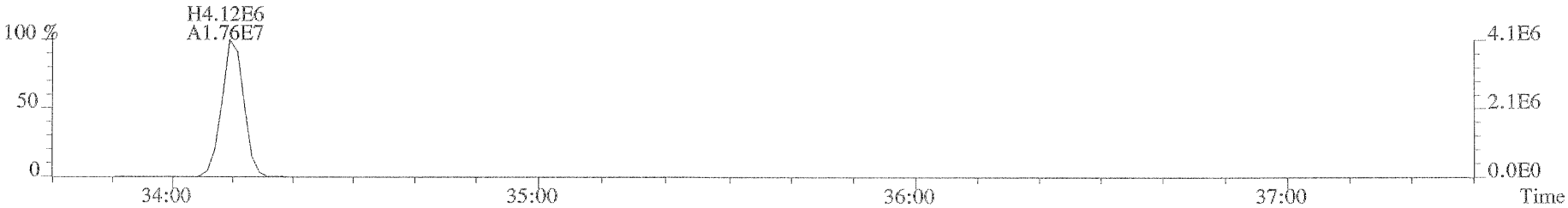
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



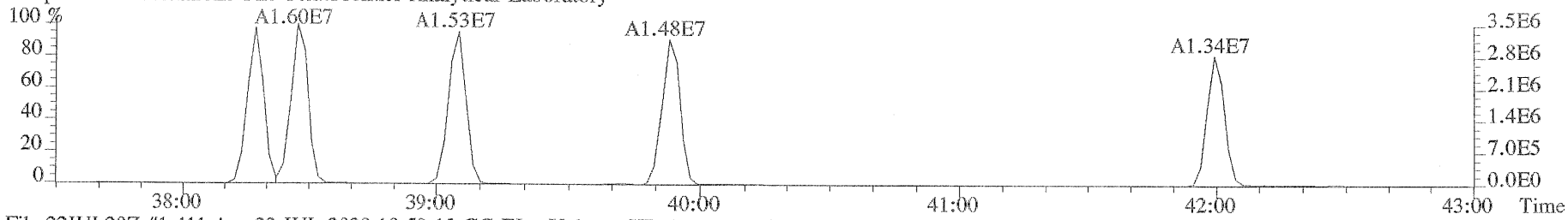
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



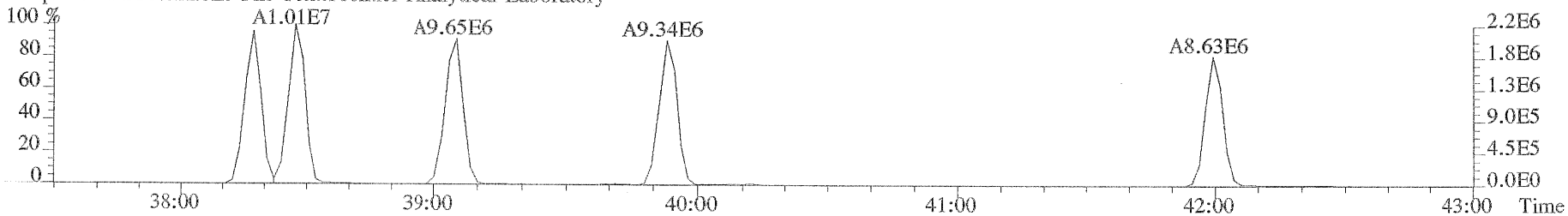
File:22JUL20Z #1-180 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



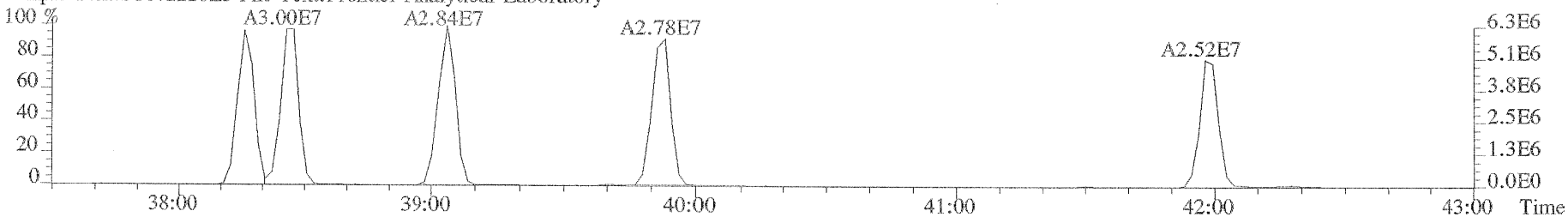
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



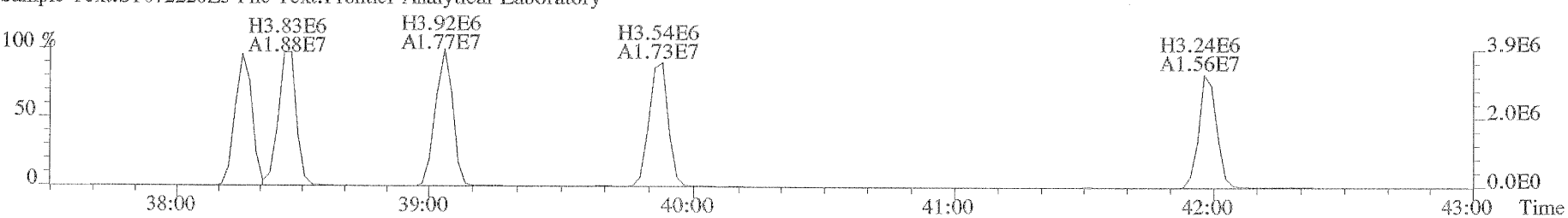
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



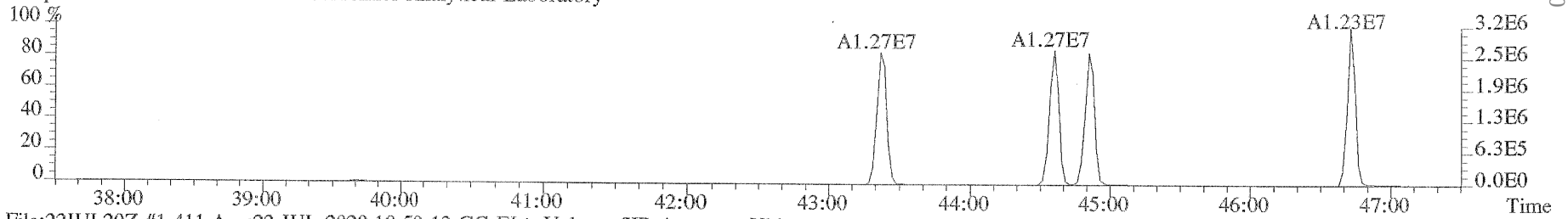
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



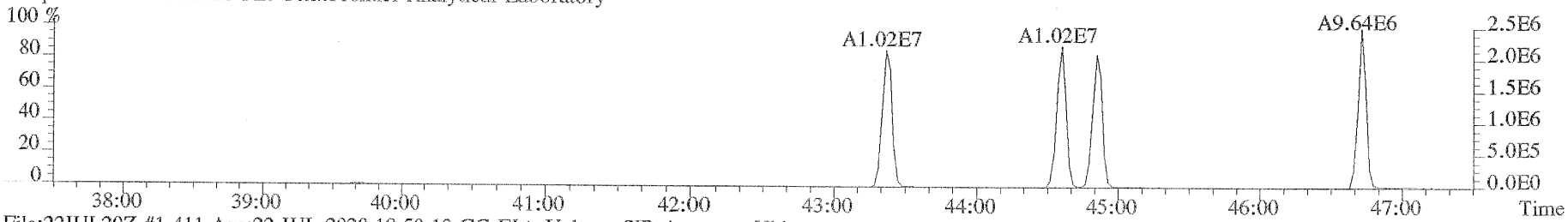
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



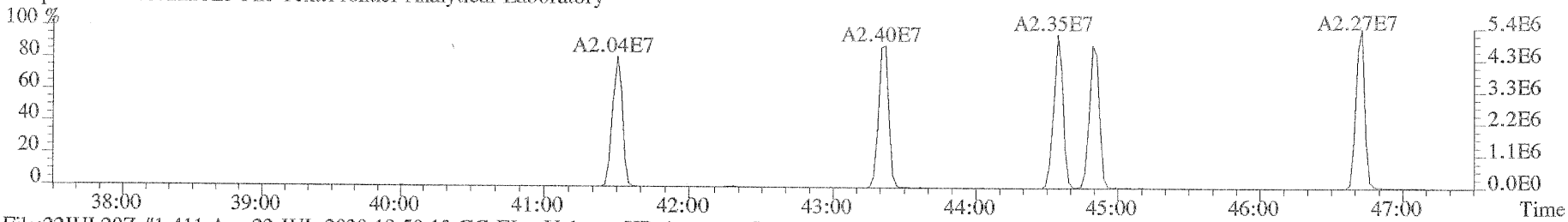
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



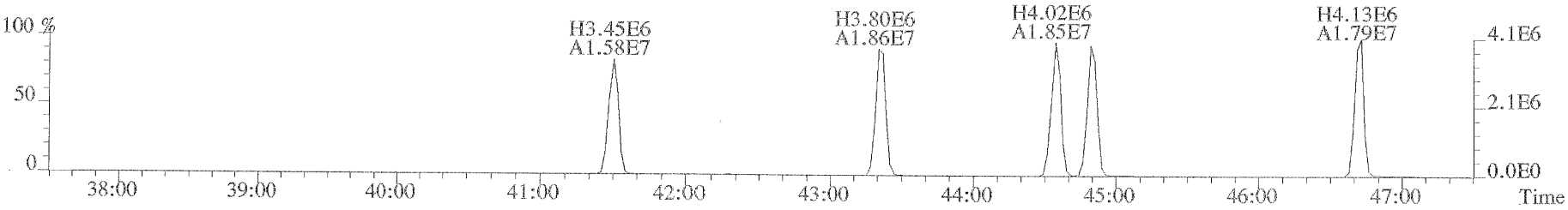
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



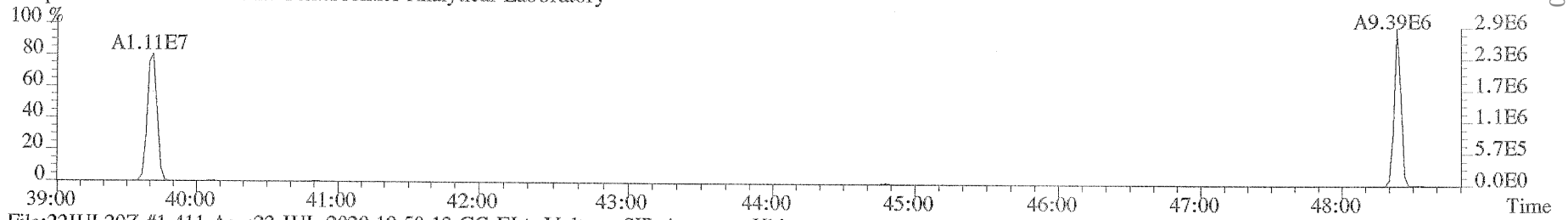
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



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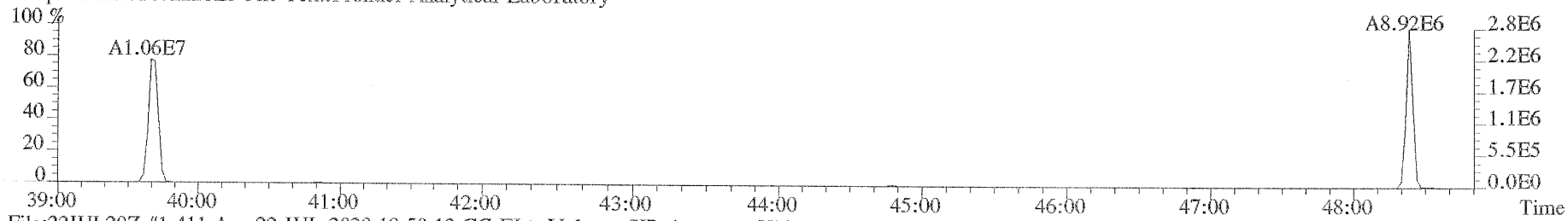
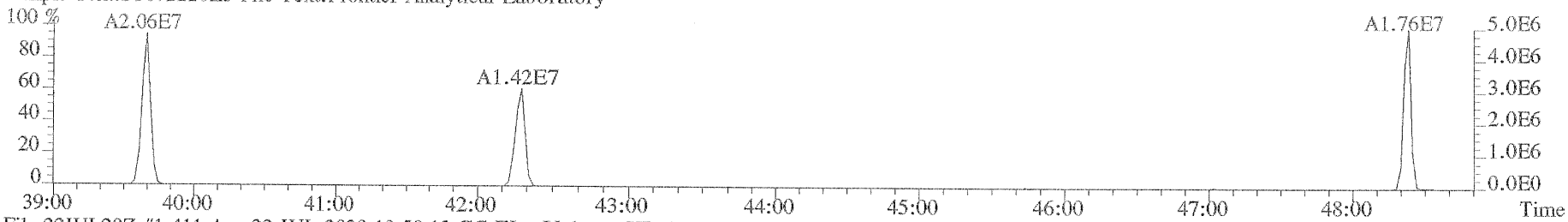
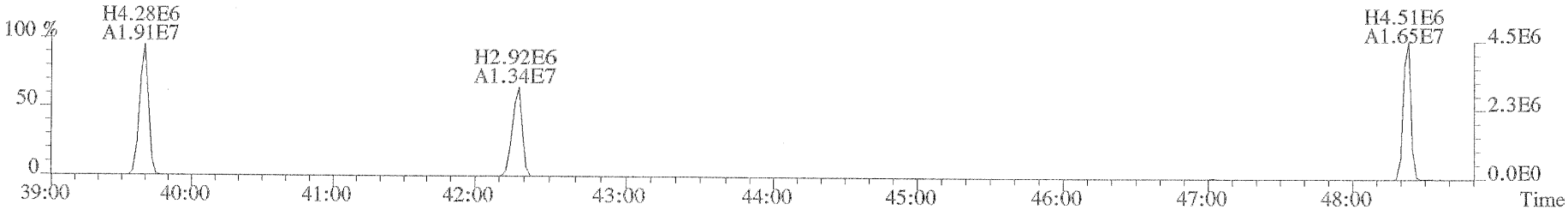
395.7995 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



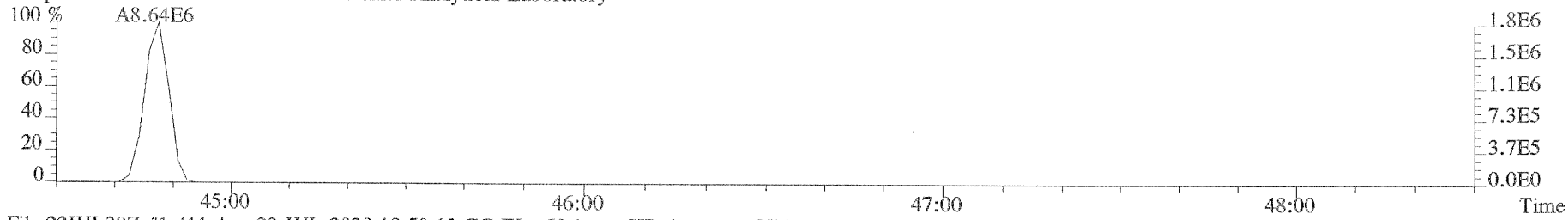
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



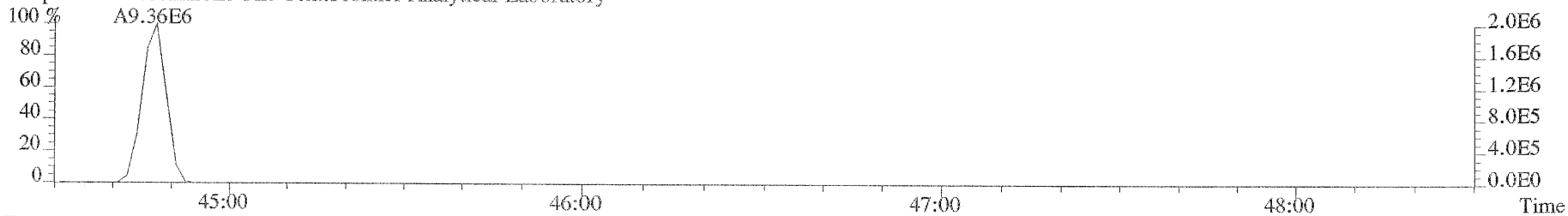
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



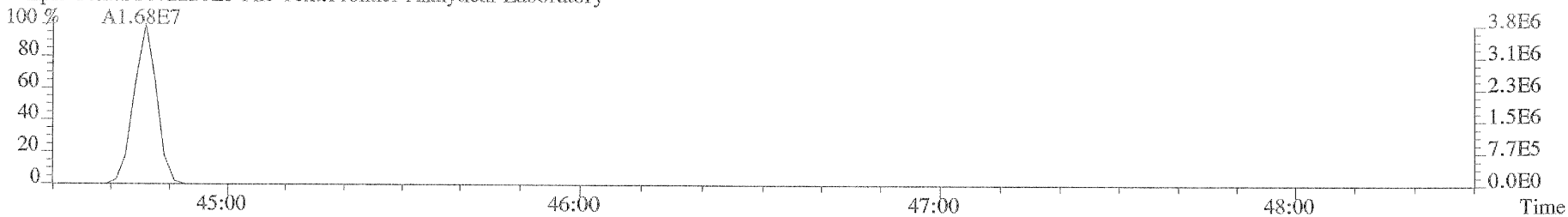
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



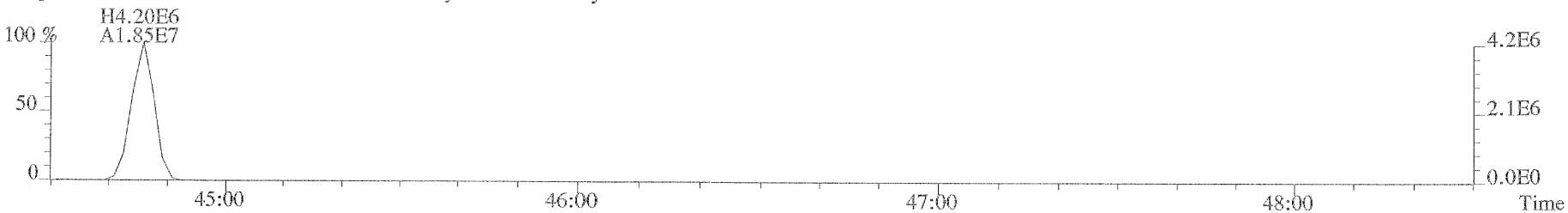
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



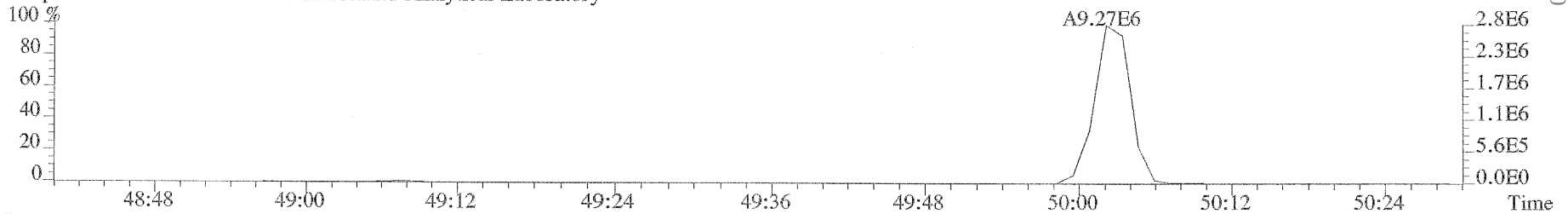
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



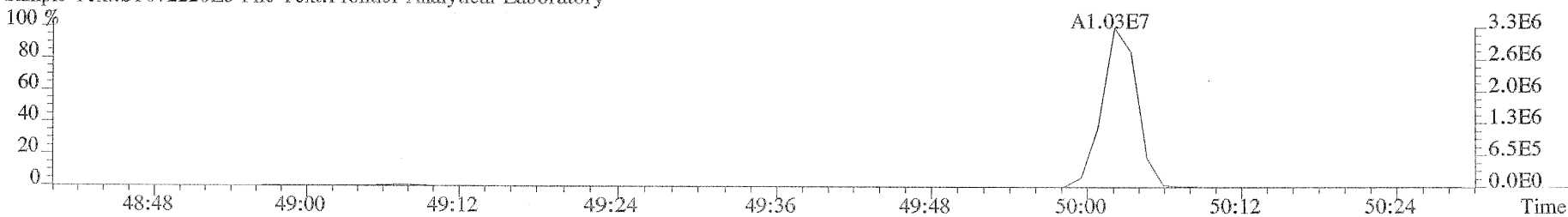
File:22JUL20Z #1-411 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



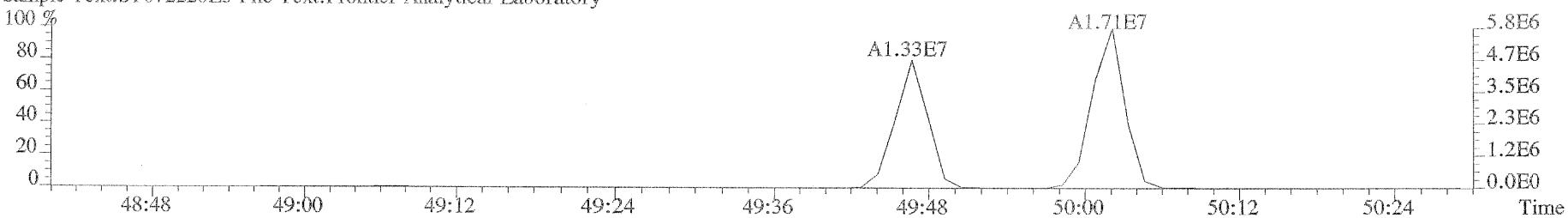
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



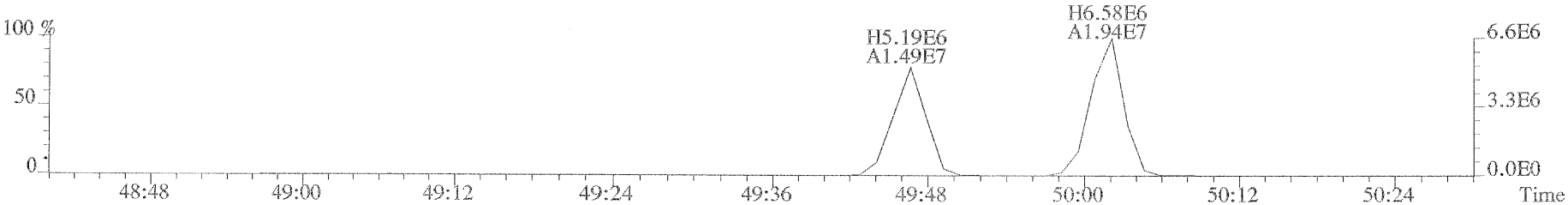
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



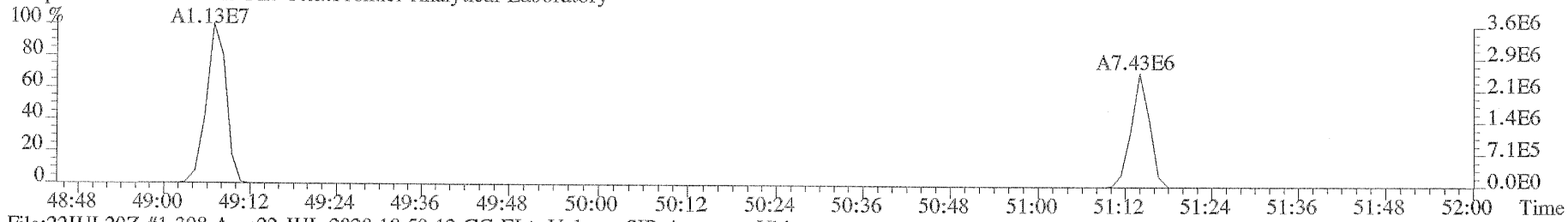
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



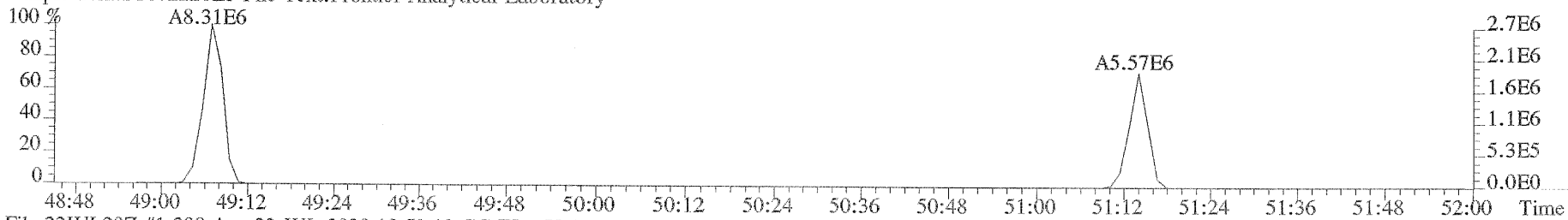
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



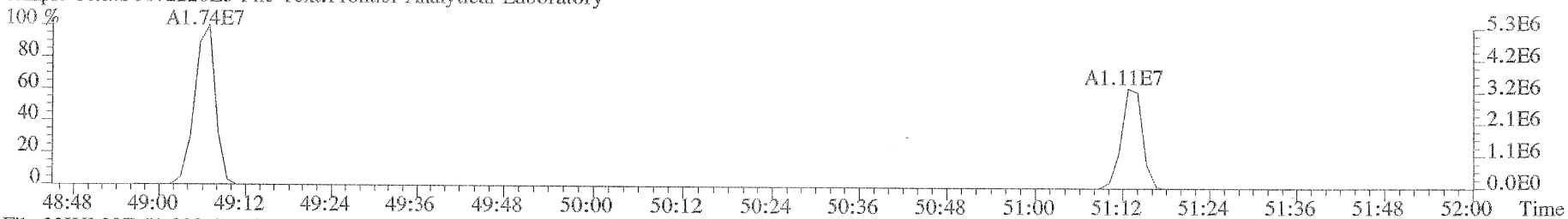
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



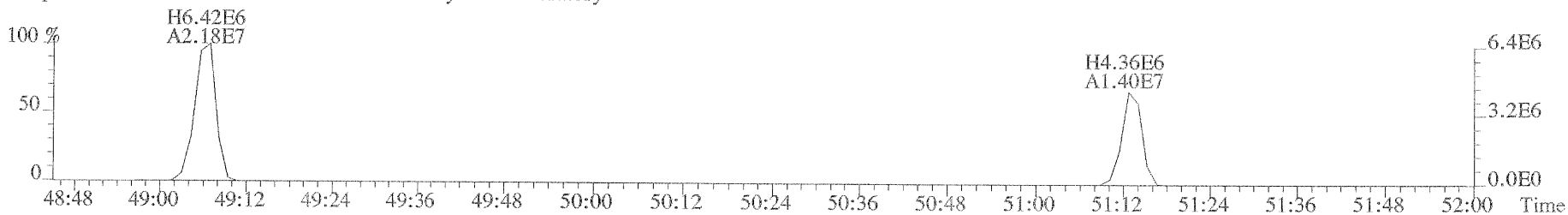
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



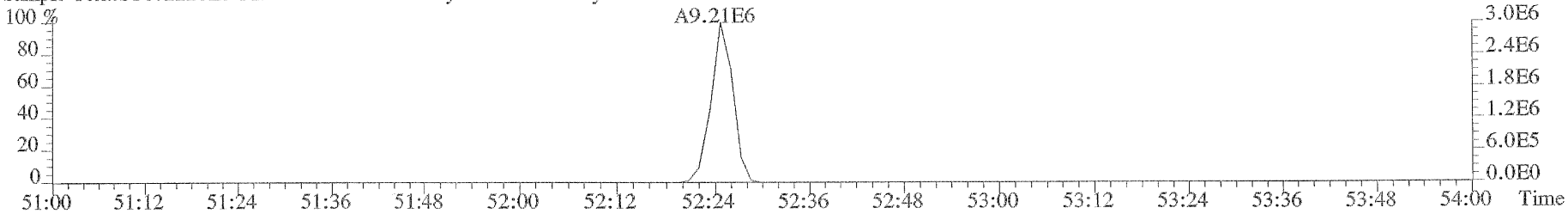
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



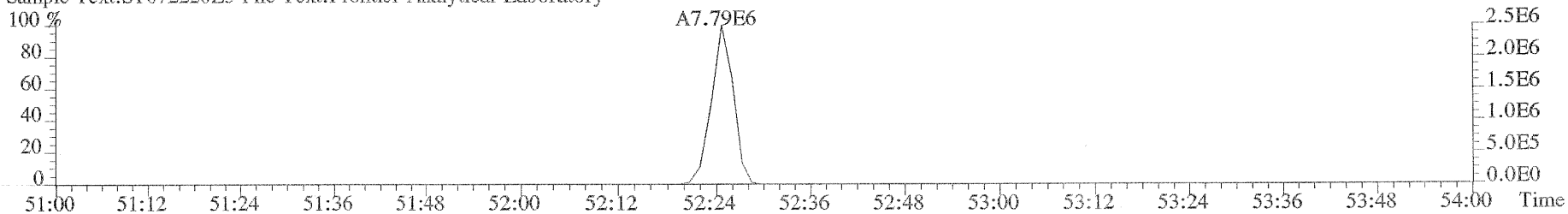
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



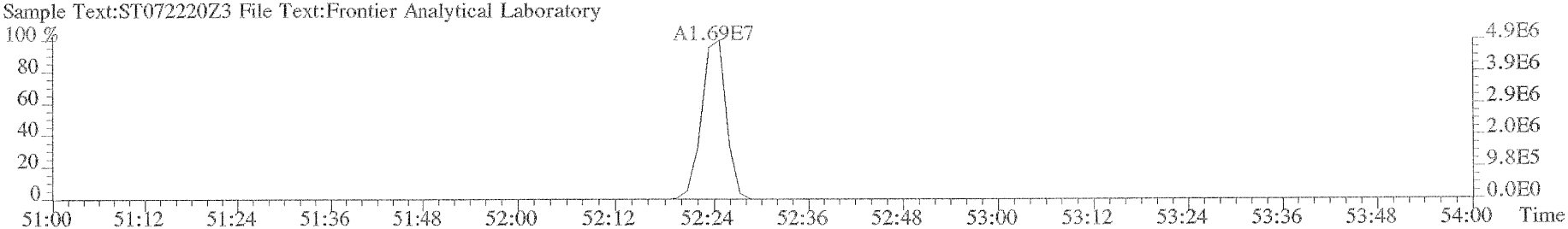
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



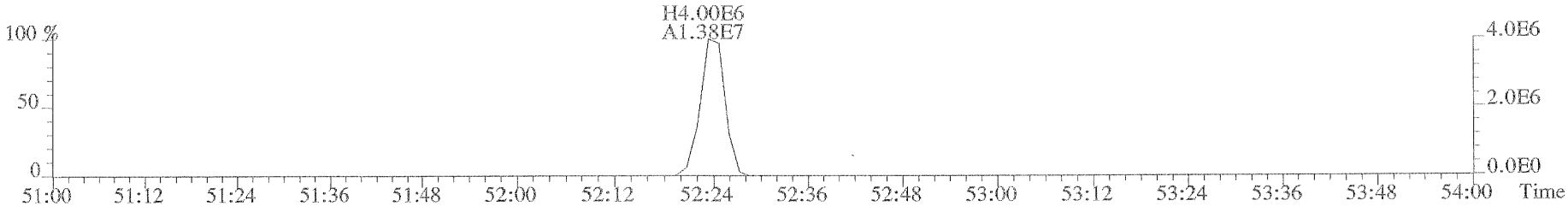
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



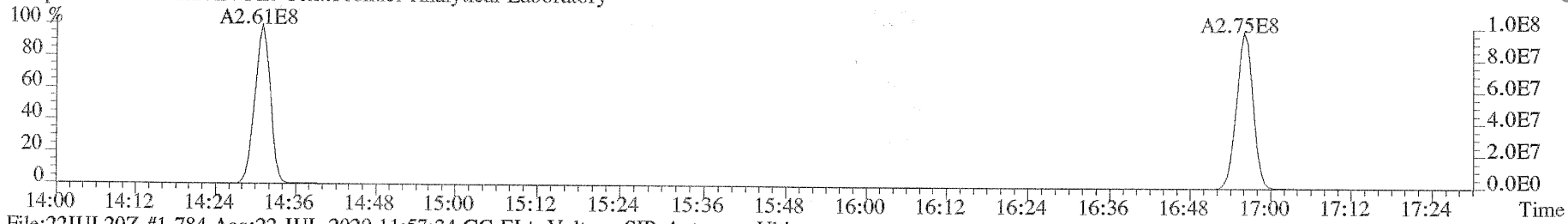
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



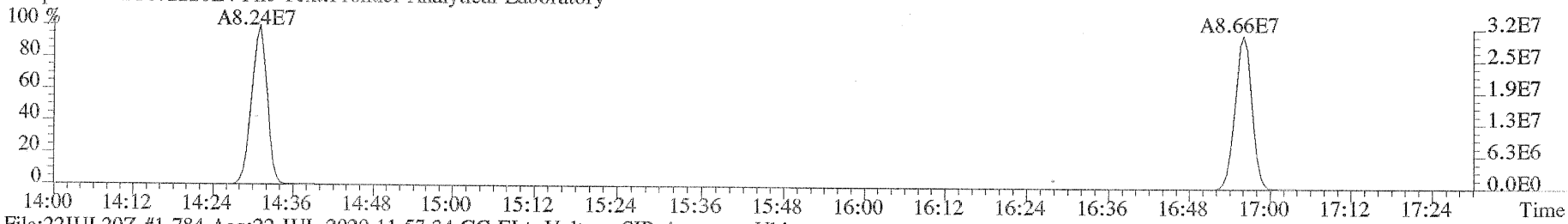
File:22JUL20Z #1-308 Acq:22-JUL-2020 10:59:13 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:4 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z3 File Text:Frontier Analytical Laboratory



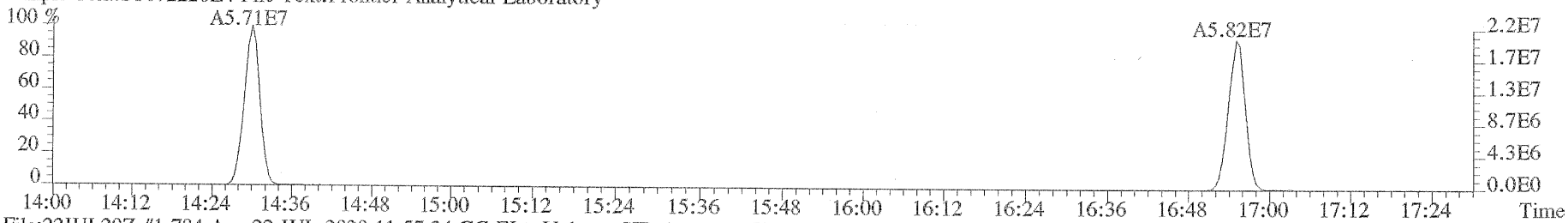
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



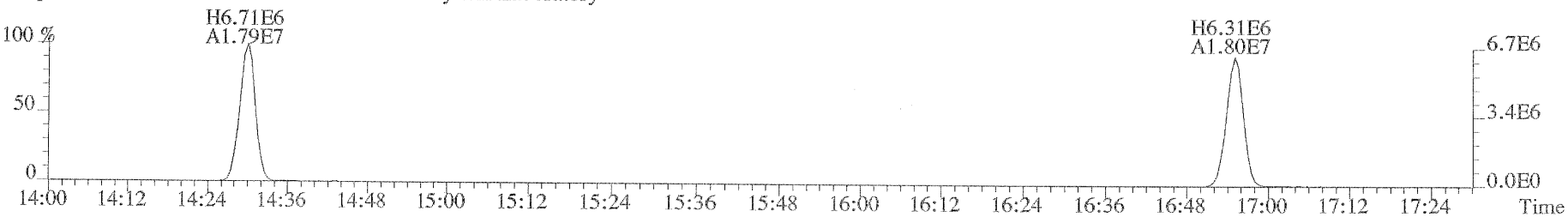
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



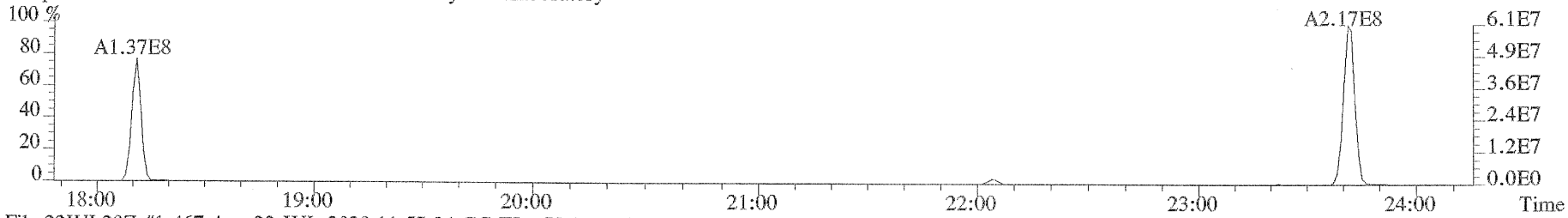
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



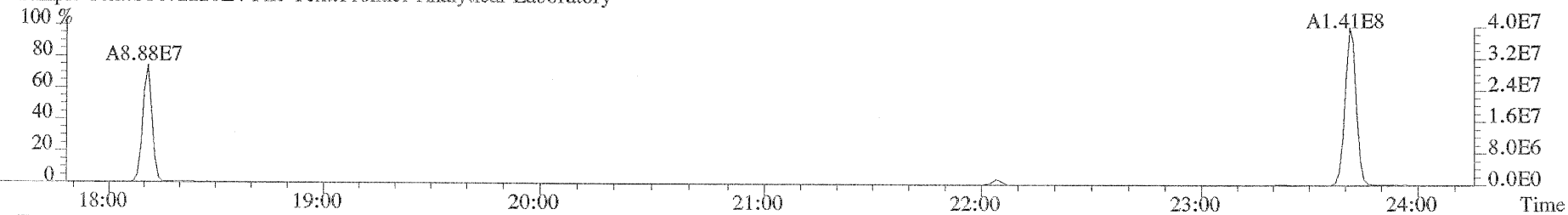
File:22JUL20Z #1-784 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



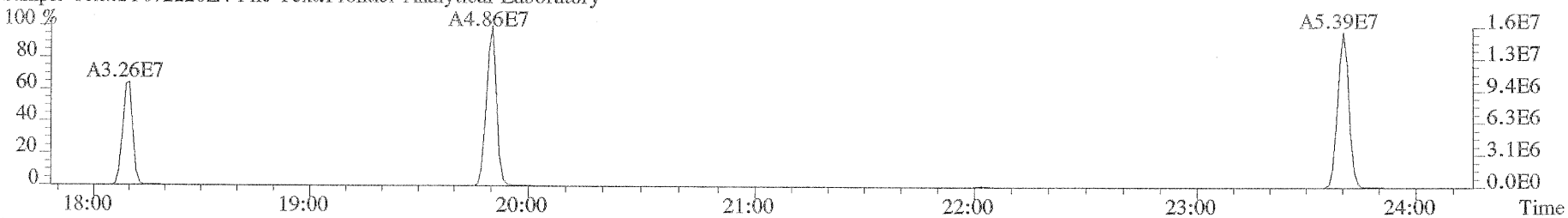
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



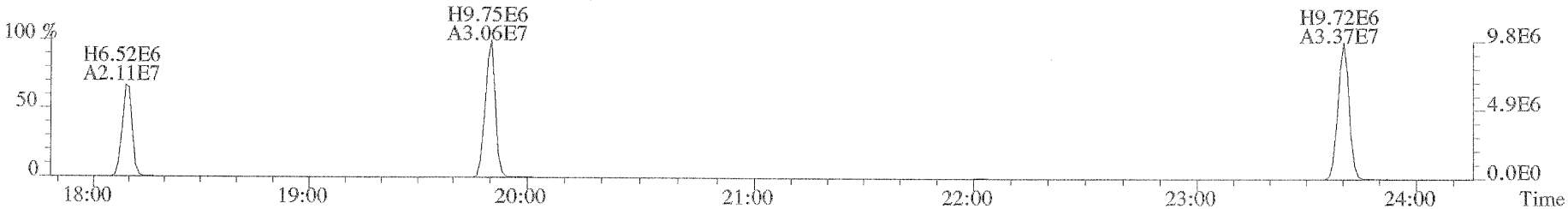
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



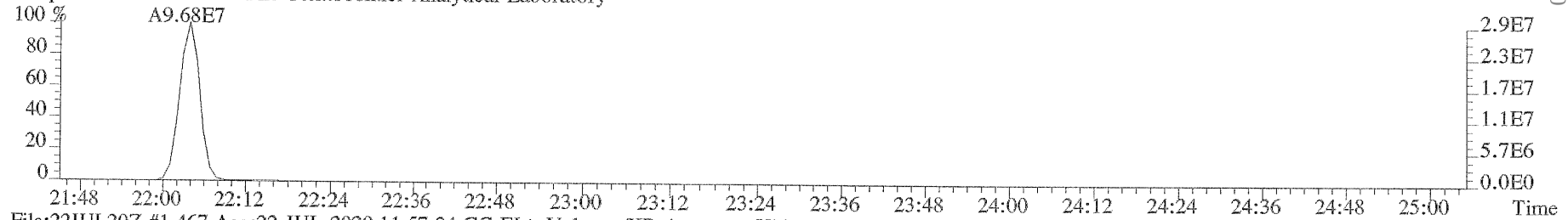
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



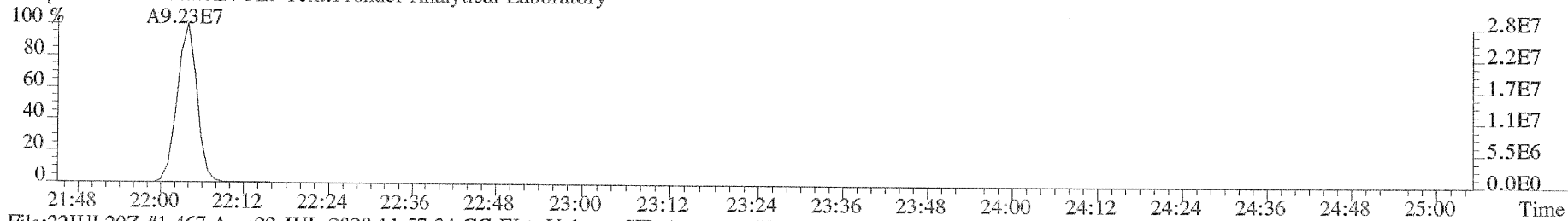
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



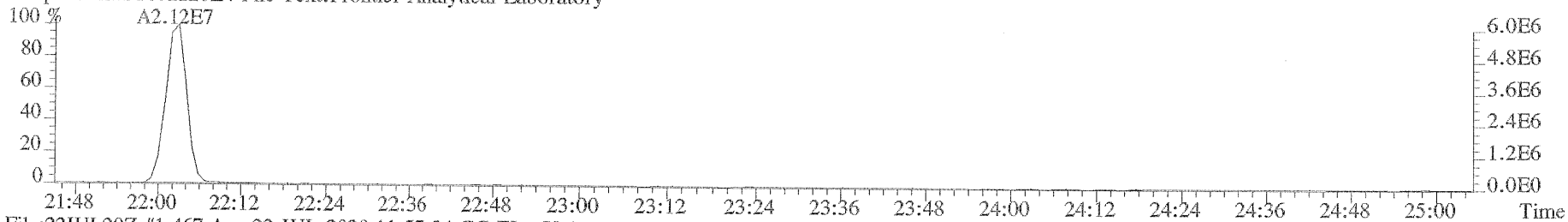
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



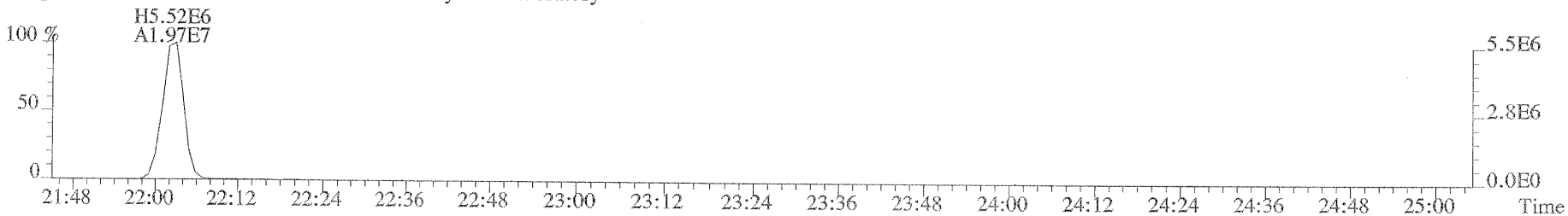
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



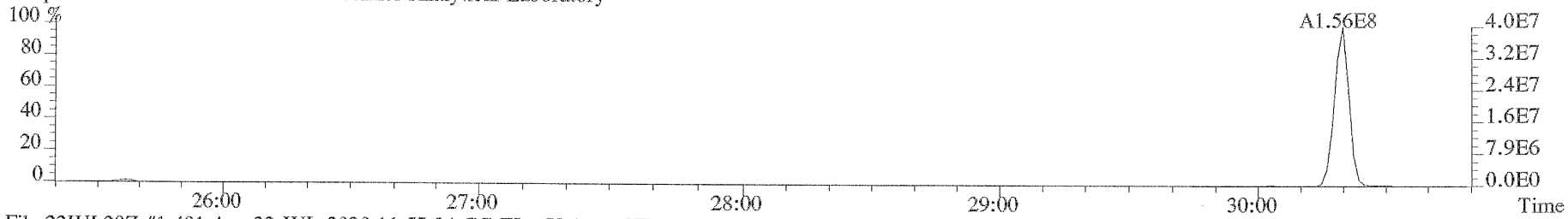
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



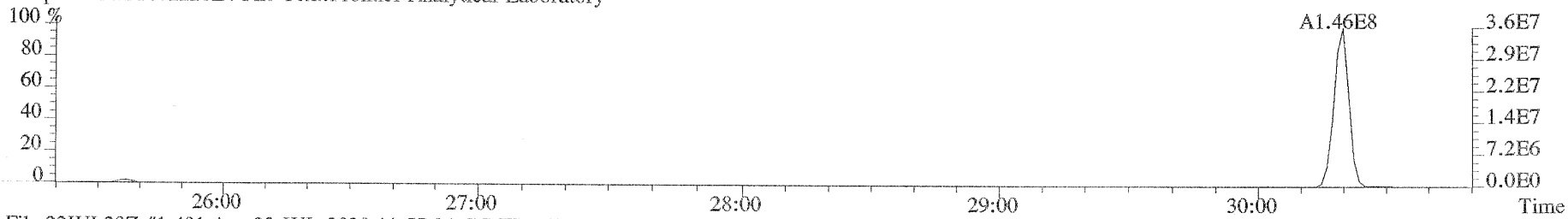
File:22JUL20Z #1-467 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



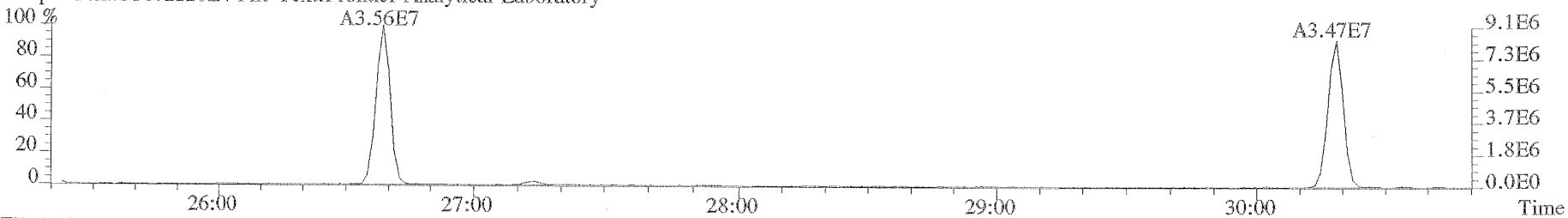
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



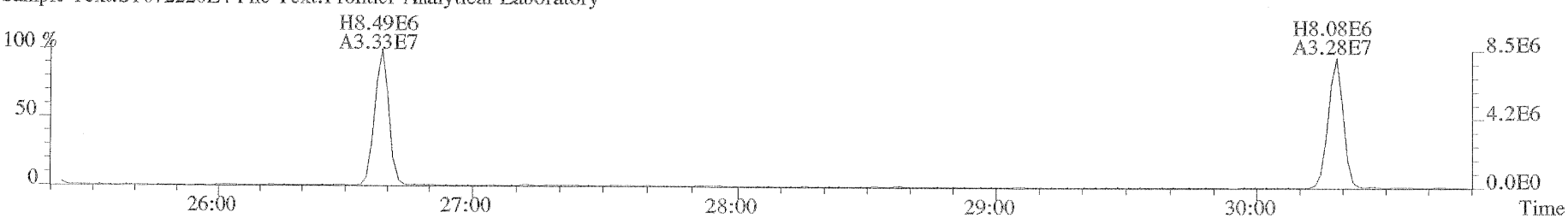
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



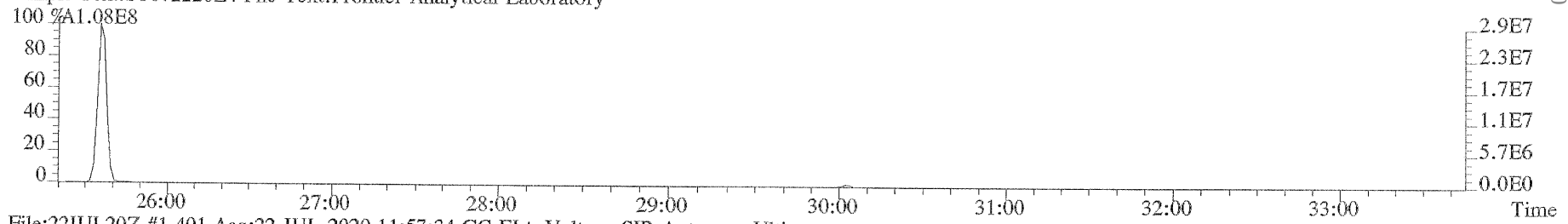
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



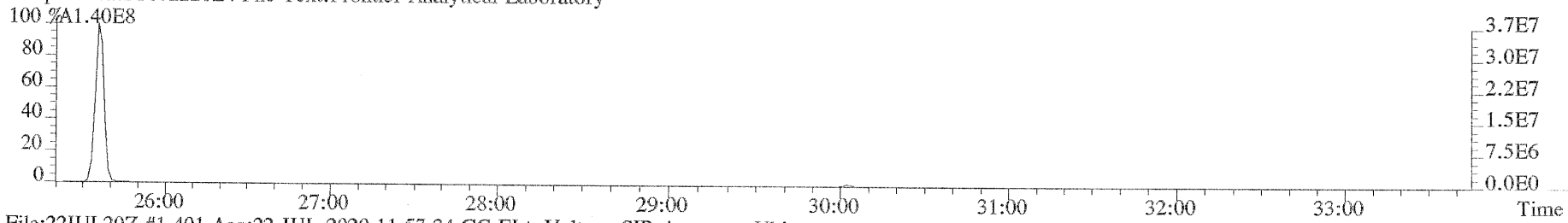
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



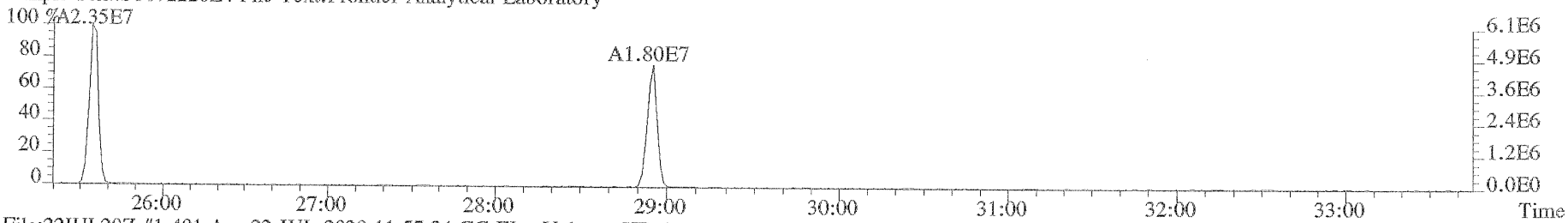
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



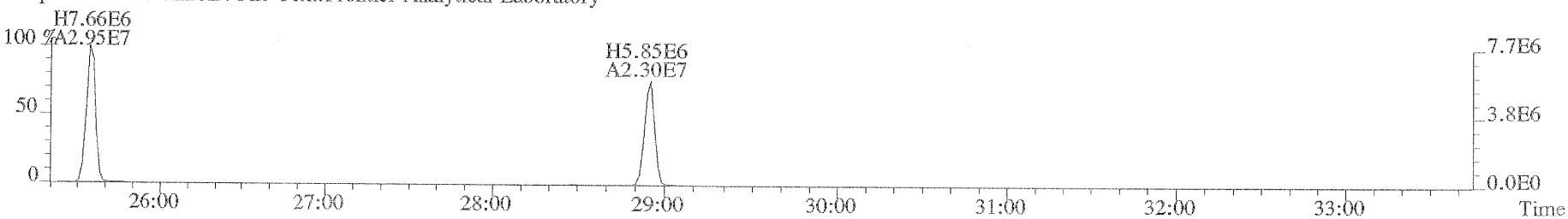
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



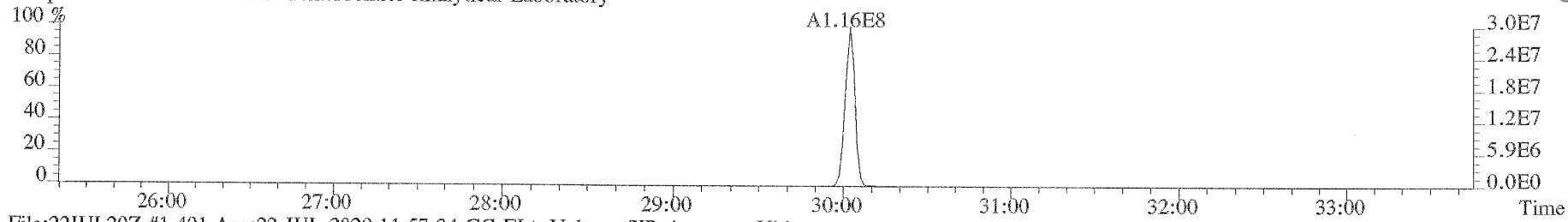
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



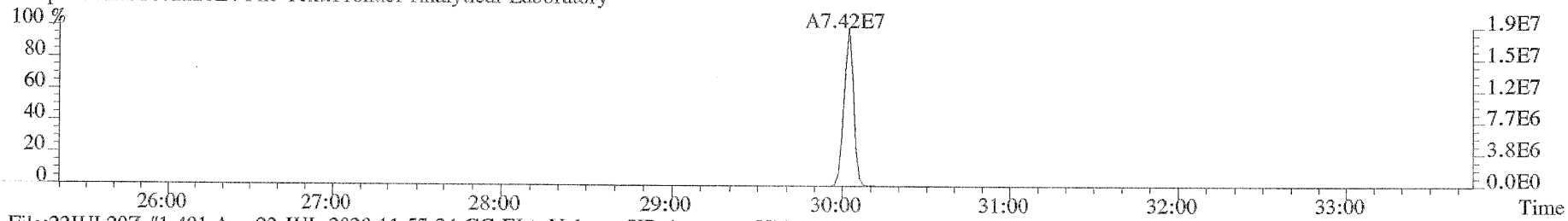
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



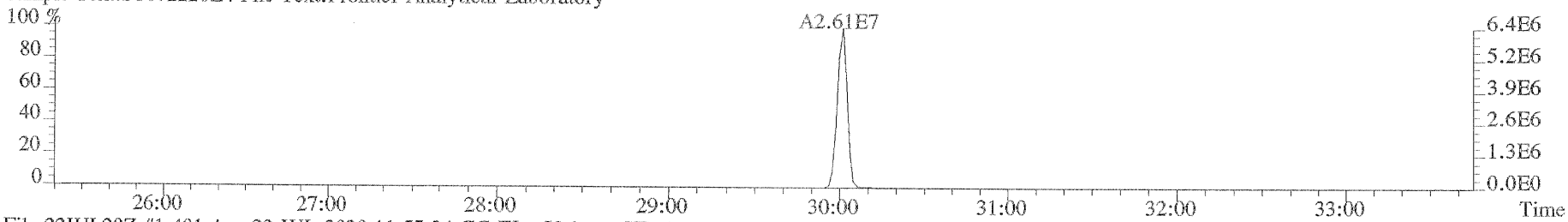
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



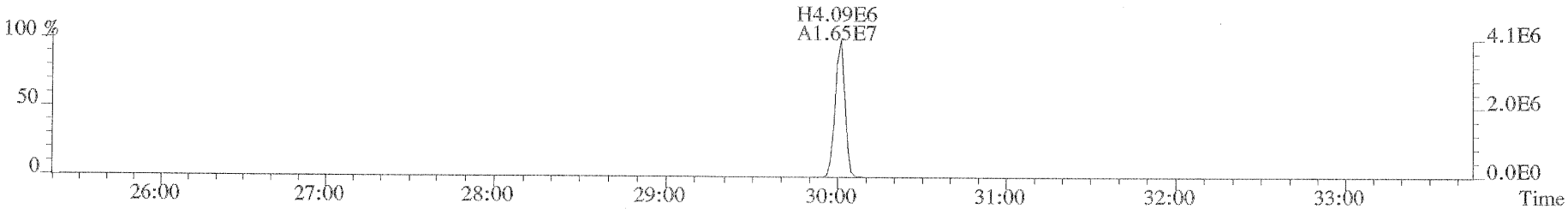
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



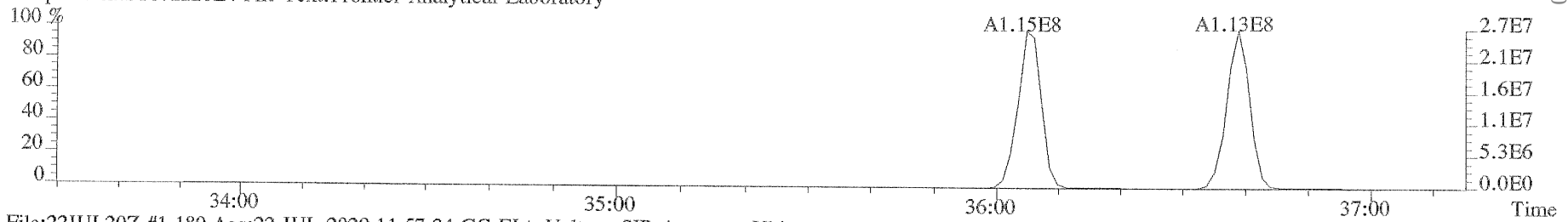
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



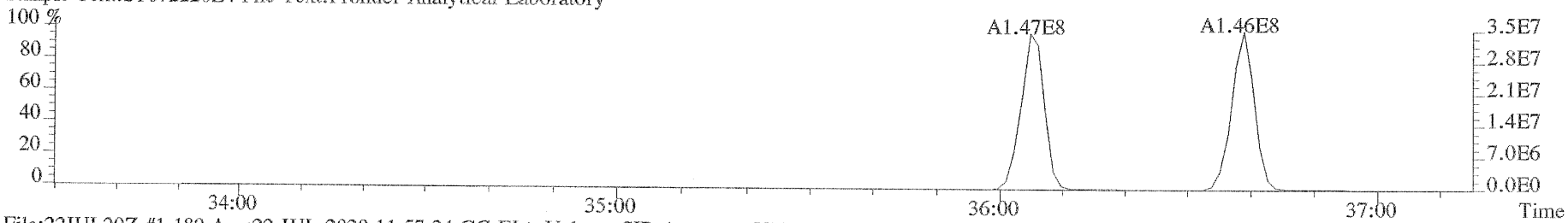
File:22JUL20Z #1-401 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



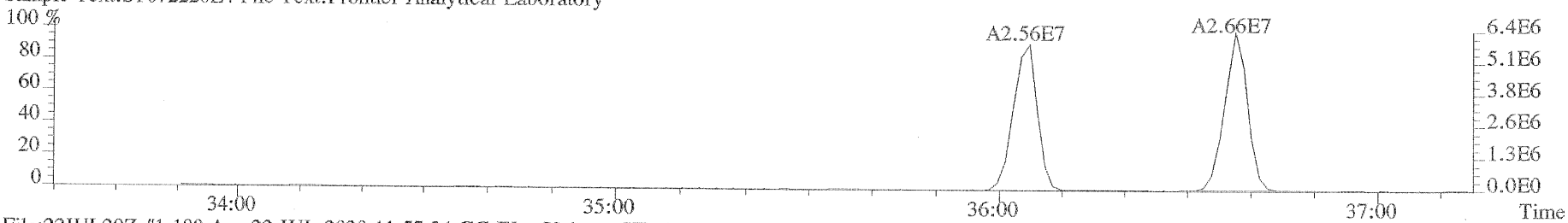
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



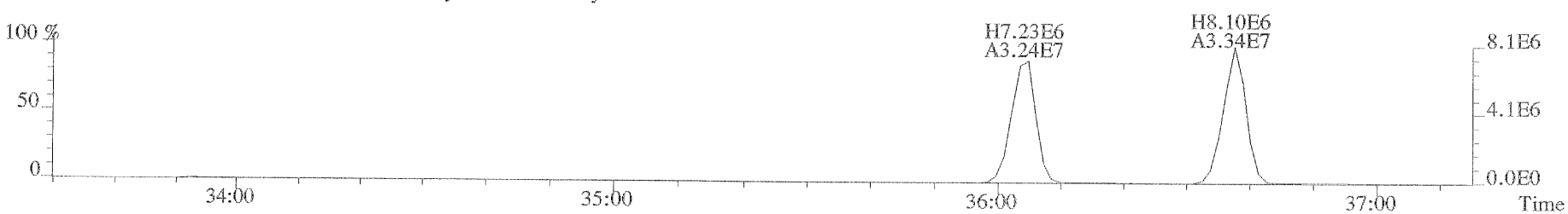
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



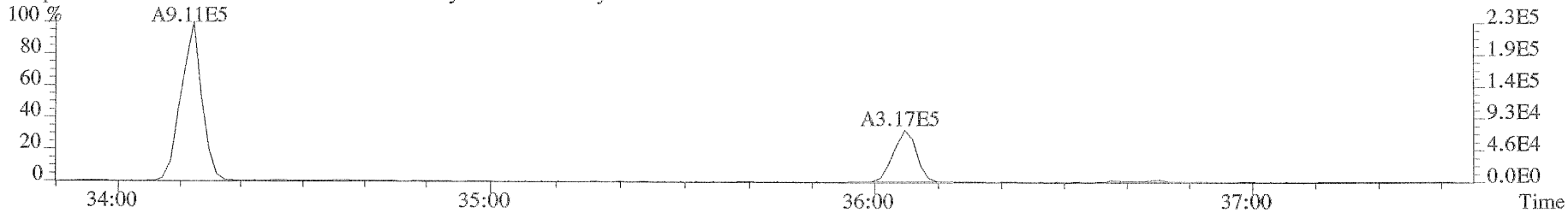
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



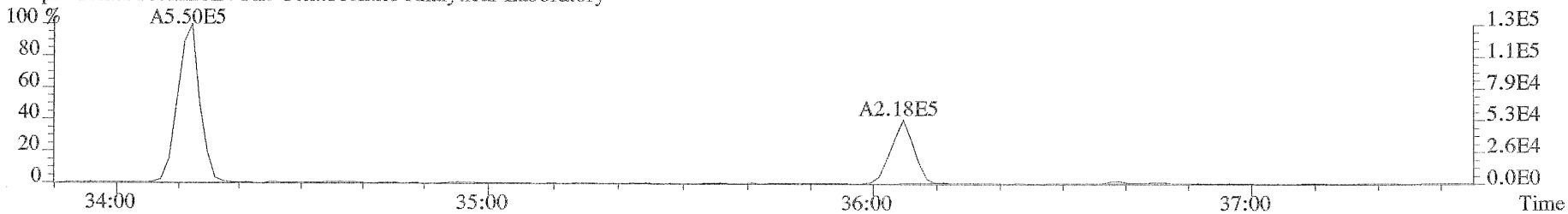
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



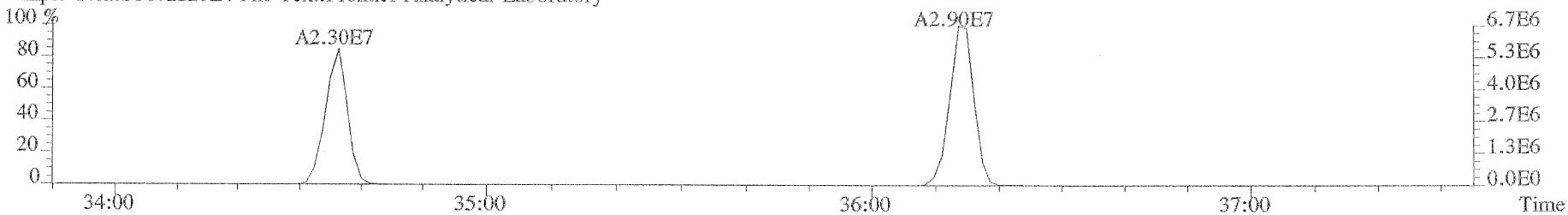
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



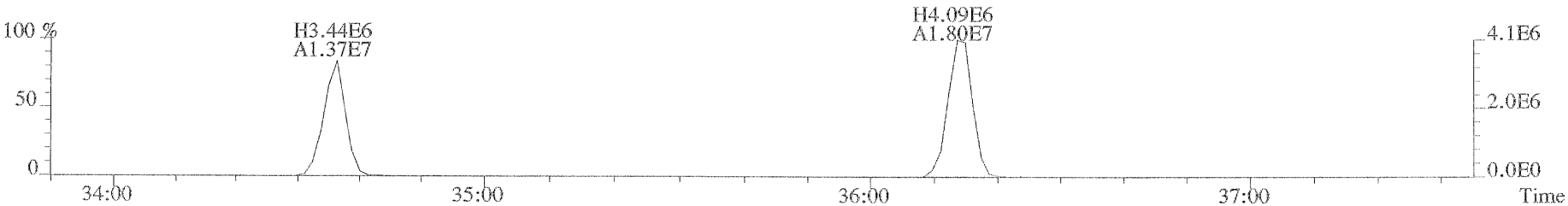
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



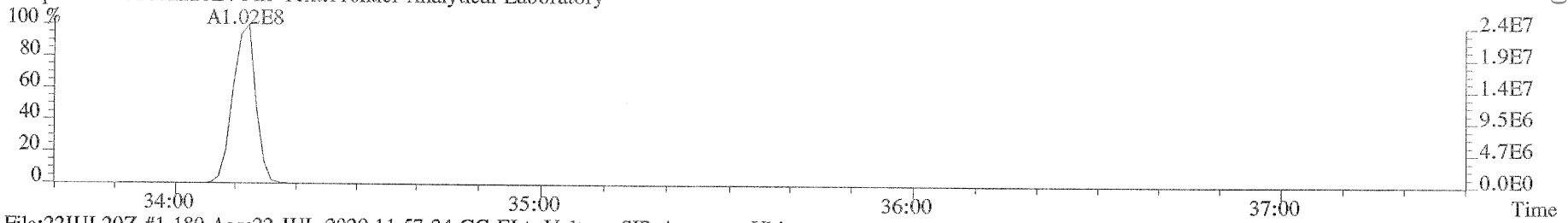
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



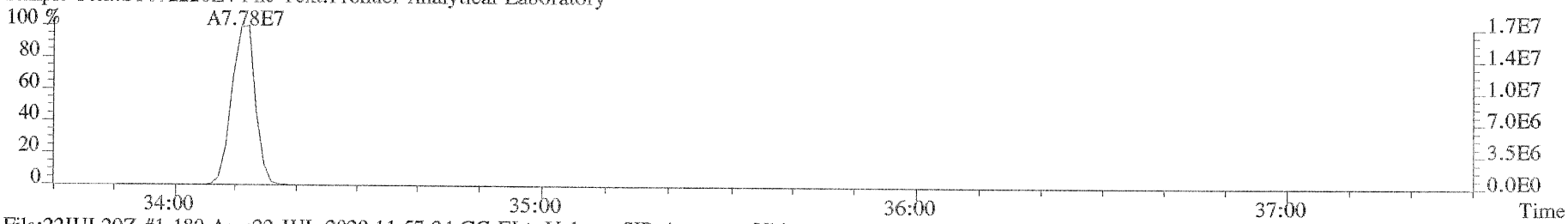
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



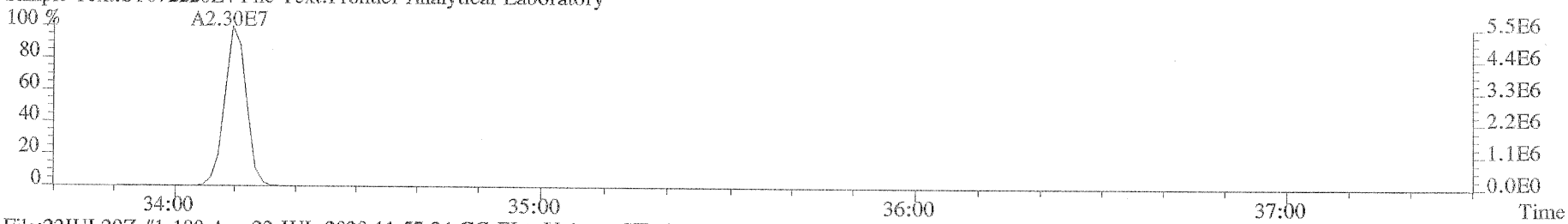
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



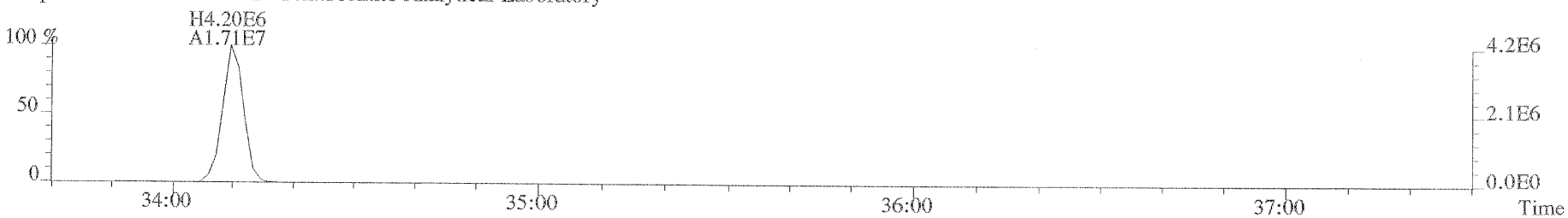
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



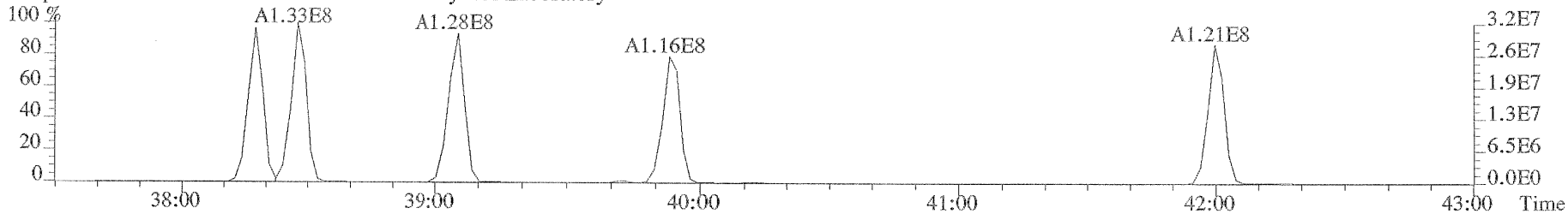
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



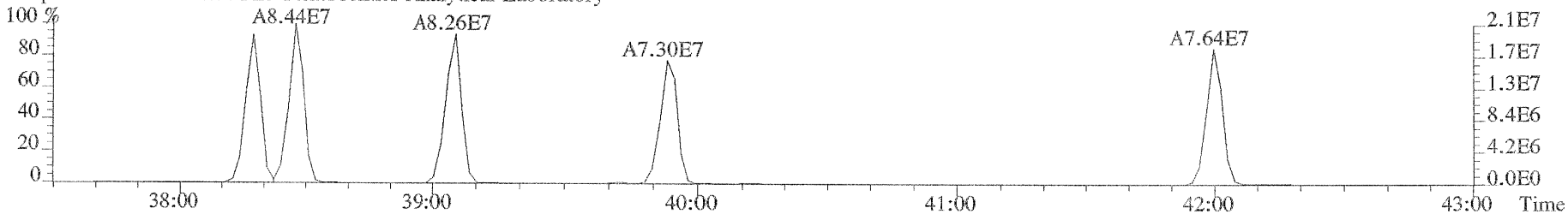
File:22JUL20Z #1-180 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:5 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



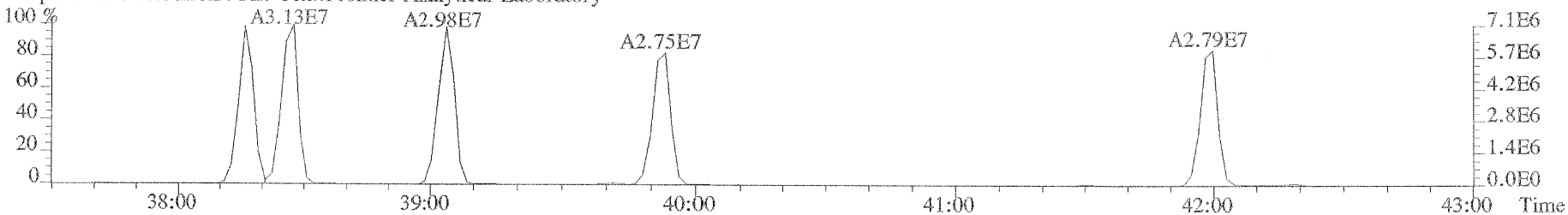
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



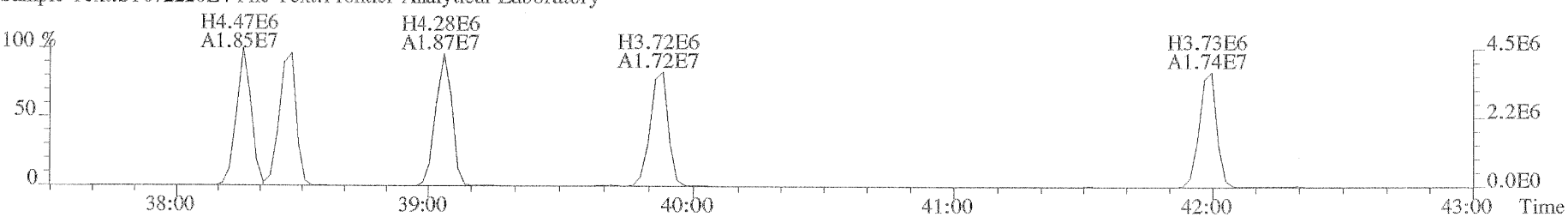
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



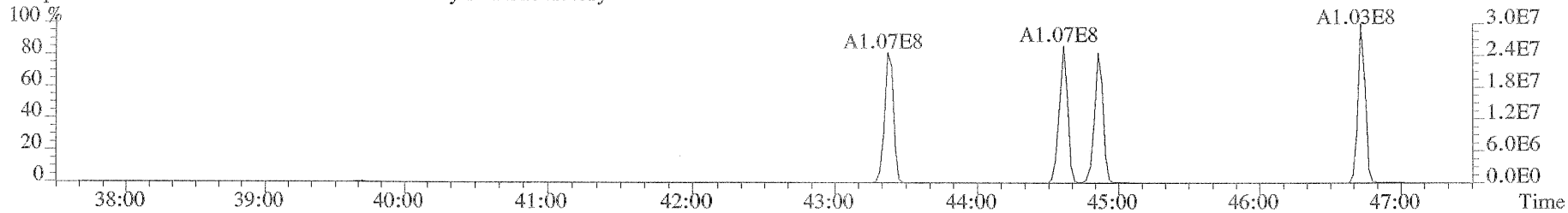
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



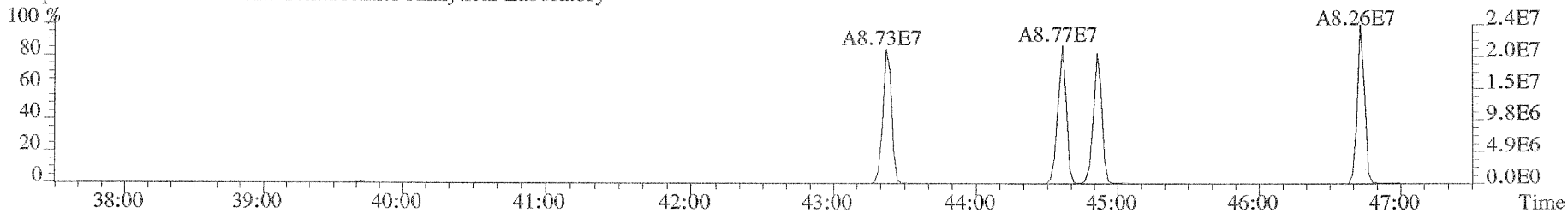
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



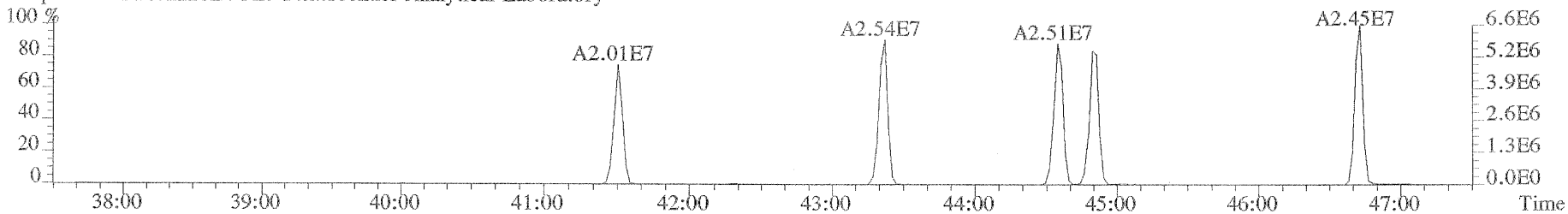
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



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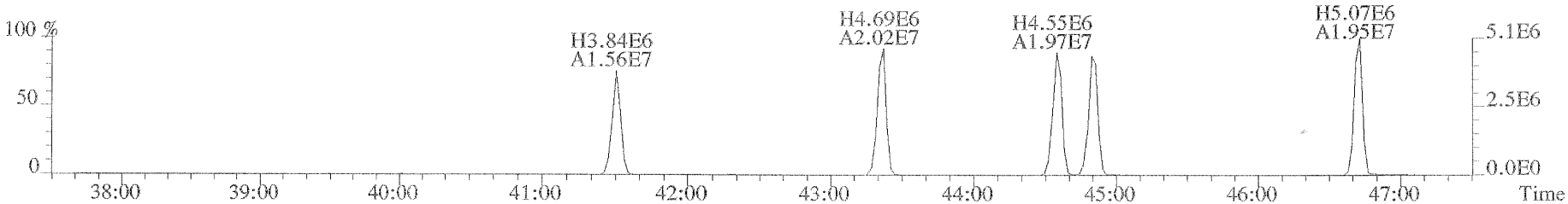
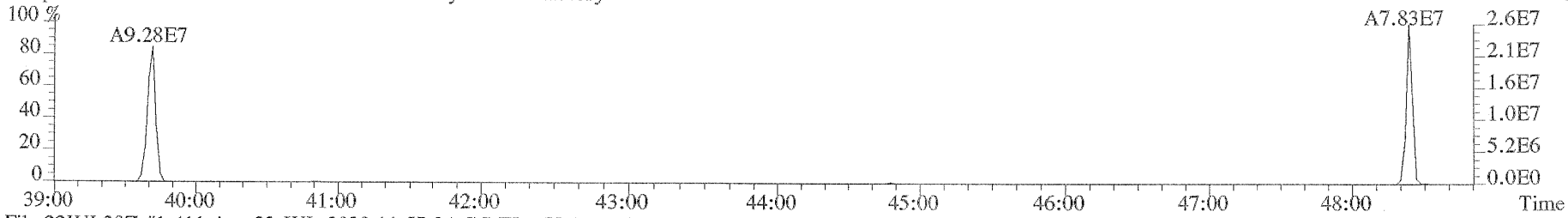
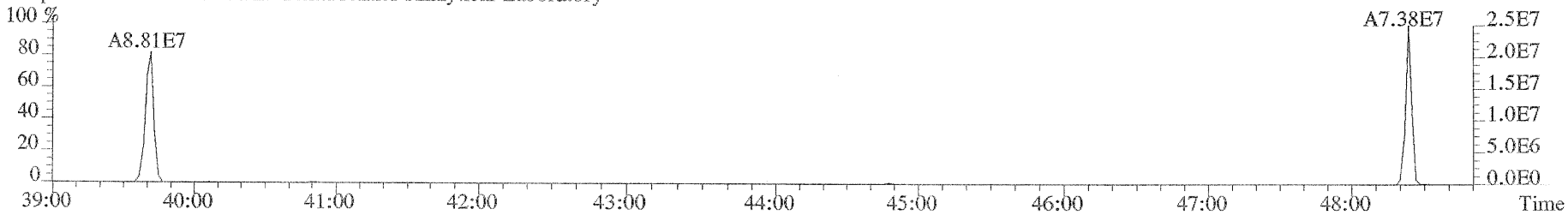
373.8788 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



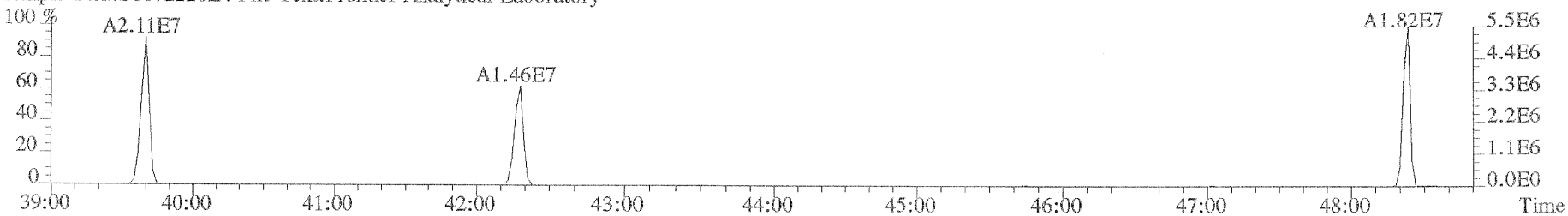
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



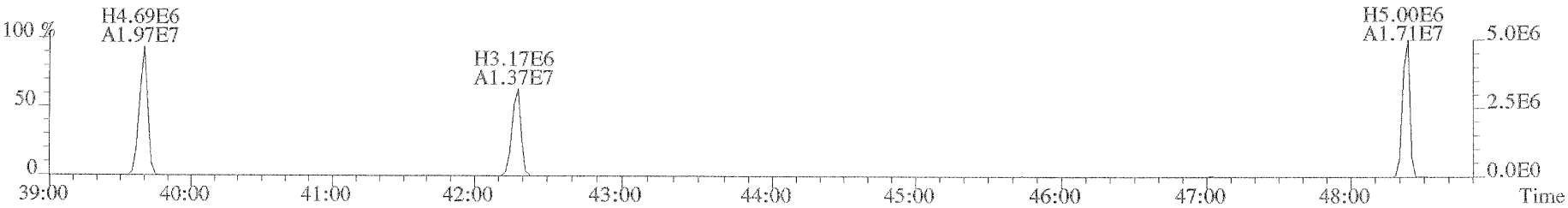
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



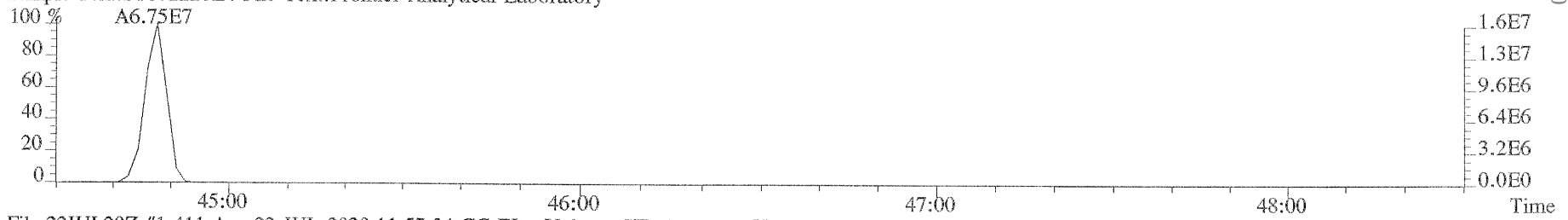
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



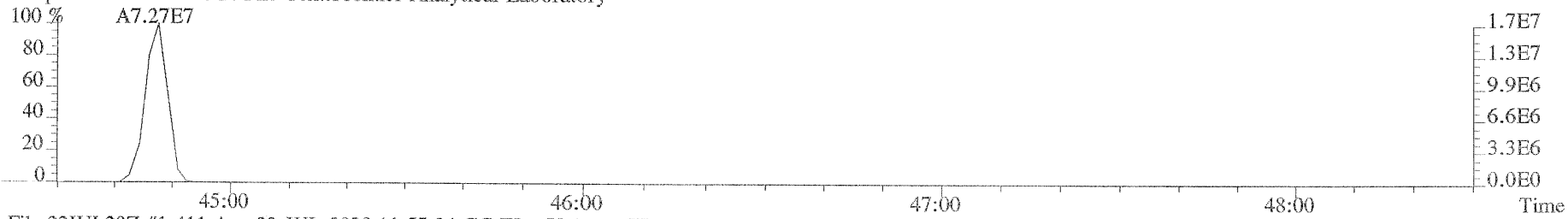
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



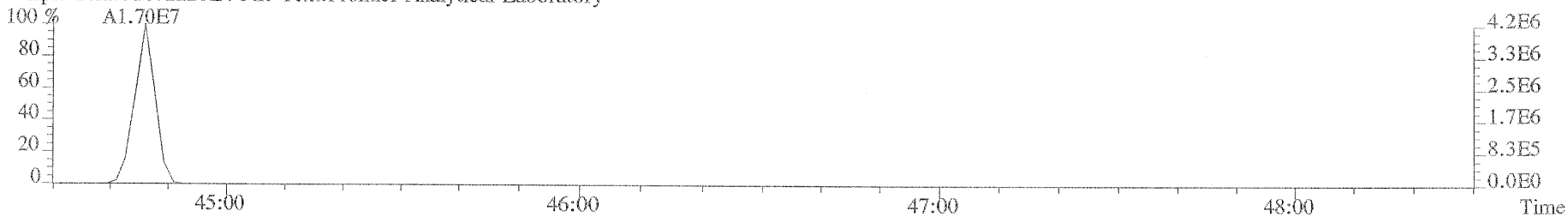
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



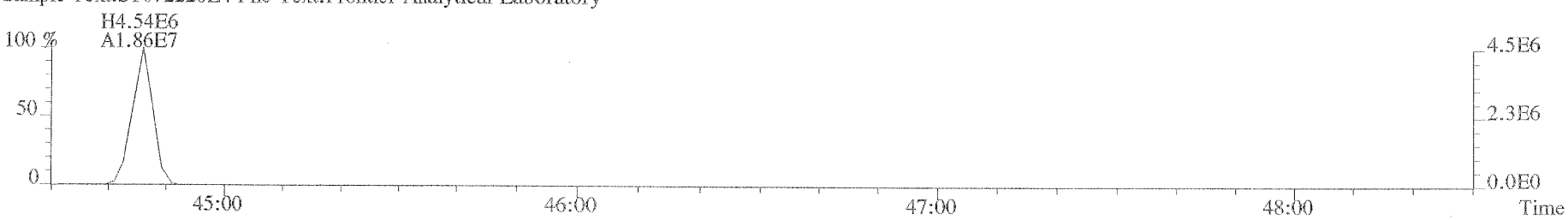
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



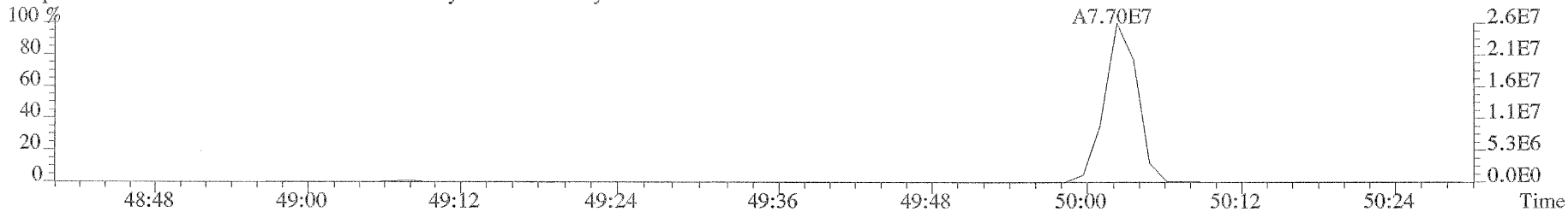
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



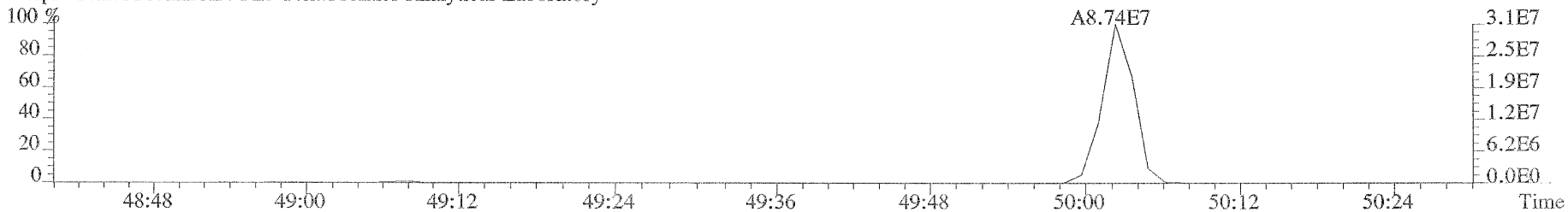
File:22JUL20Z #1-411 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



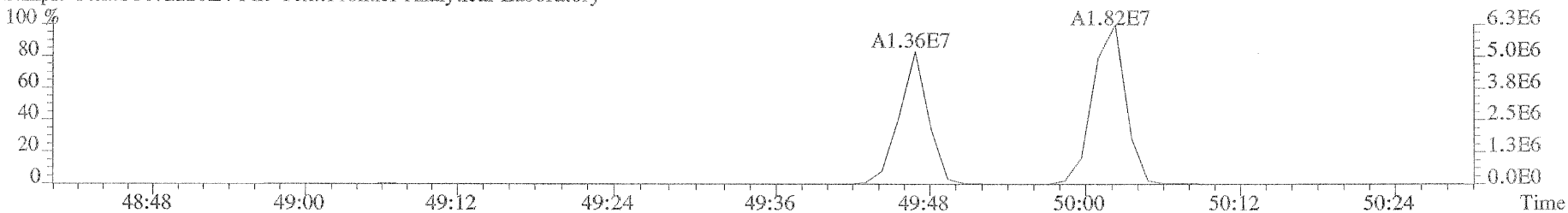
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



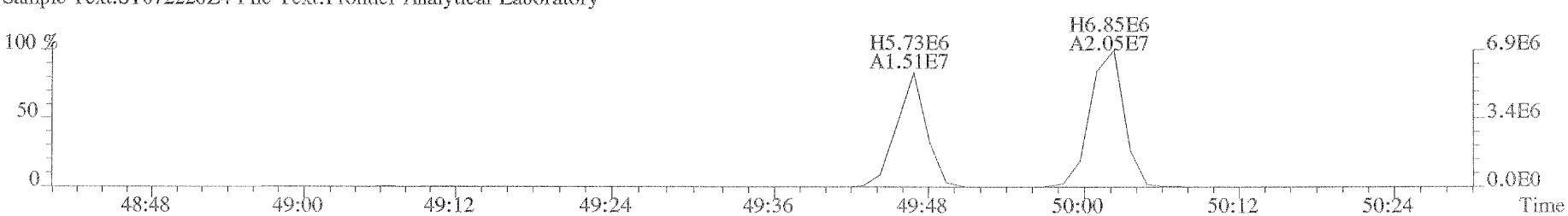
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



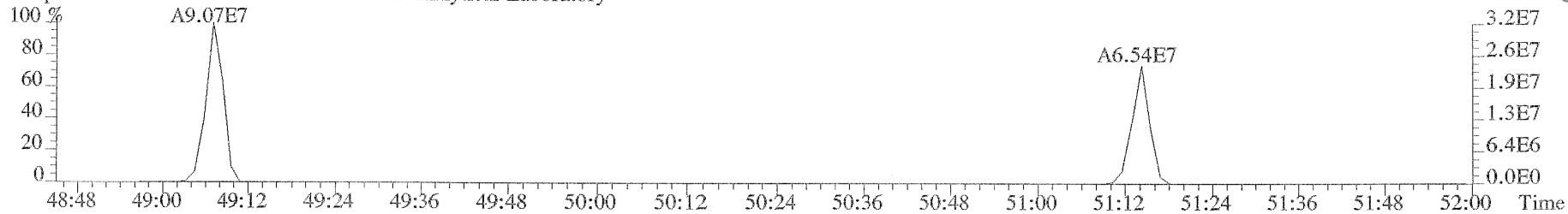
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



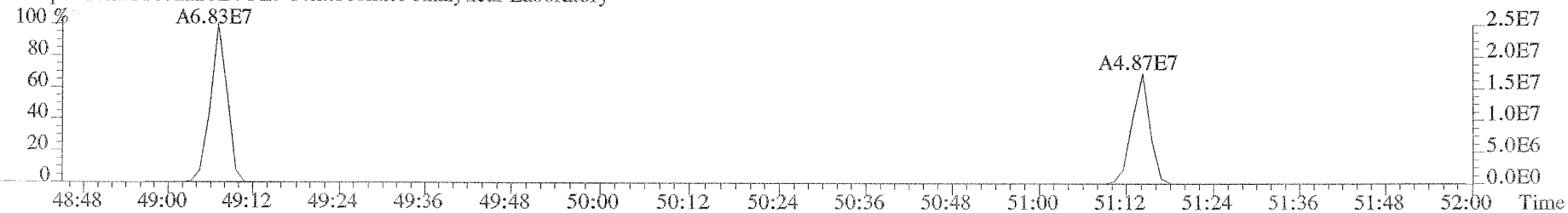
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



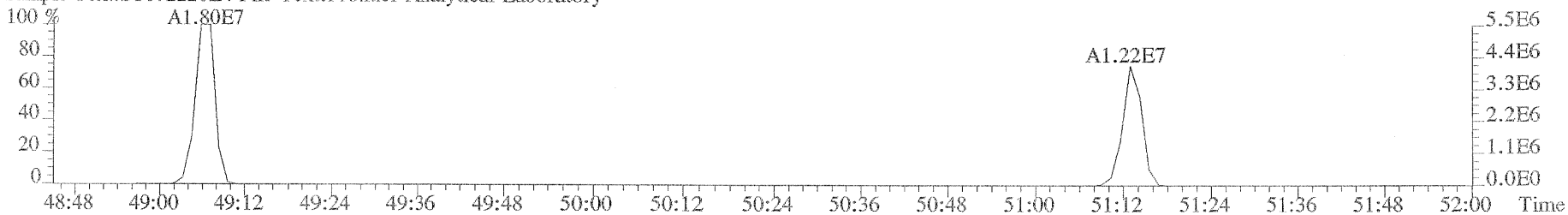
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



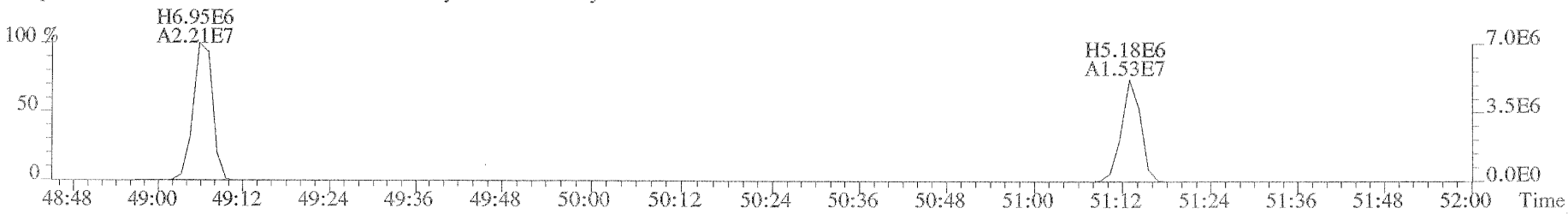
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



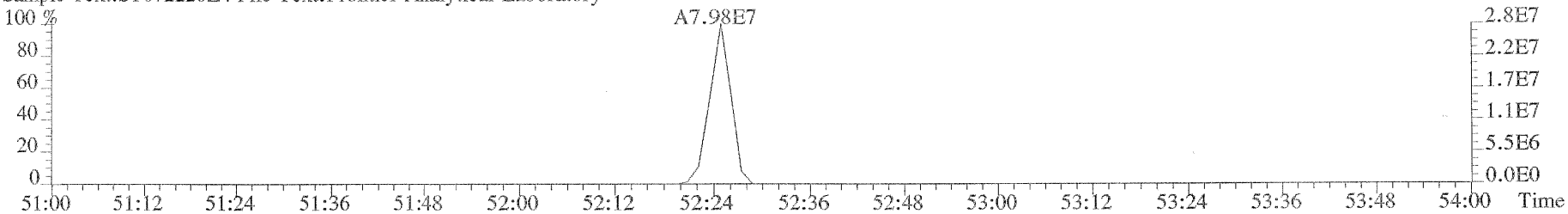
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



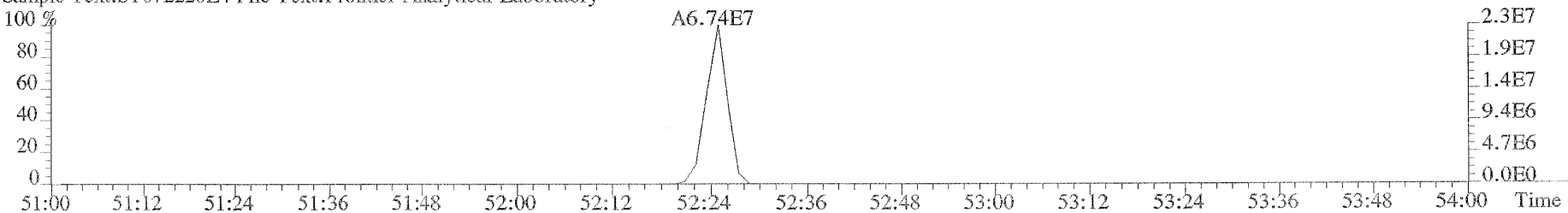
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



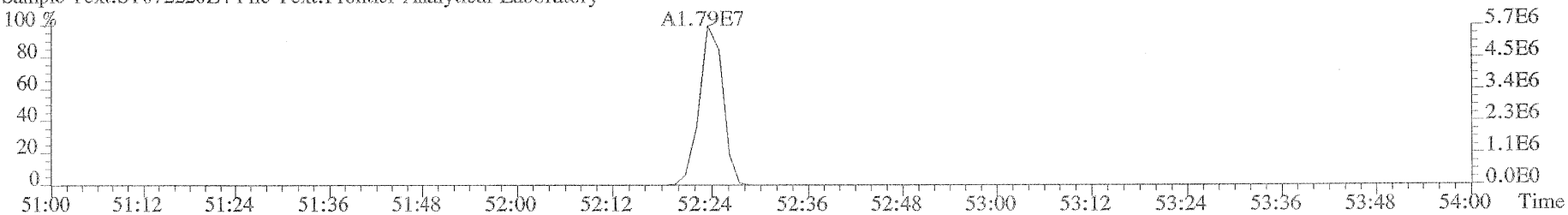
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



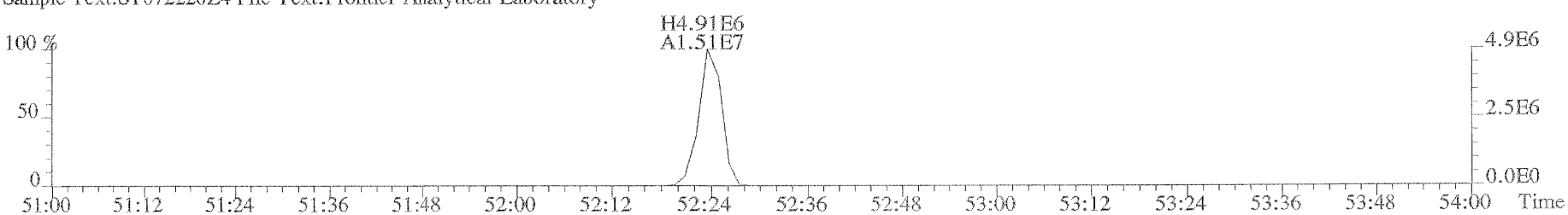
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



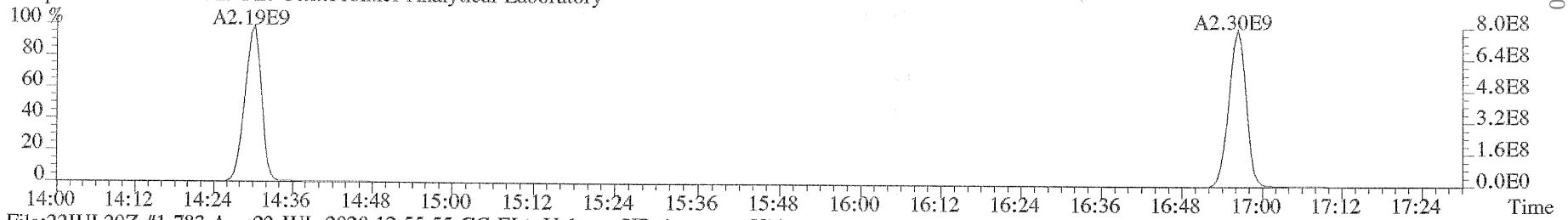
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



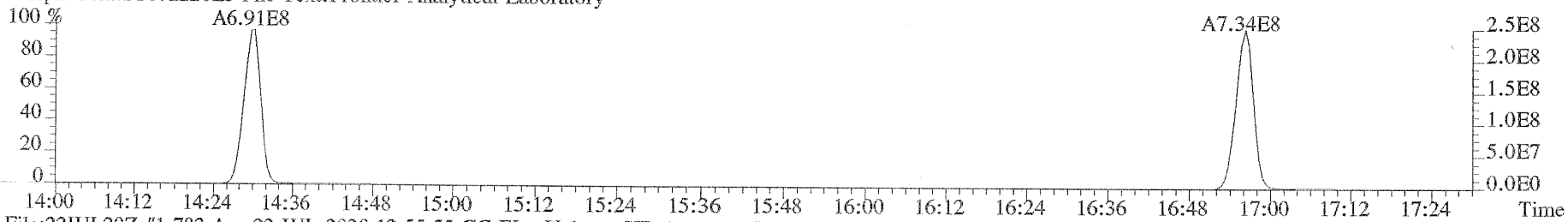
File:22JUL20Z #1-308 Acq:22-JUL-2020 11:57:34 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:5 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z4 File Text:Frontier Analytical Laboratory



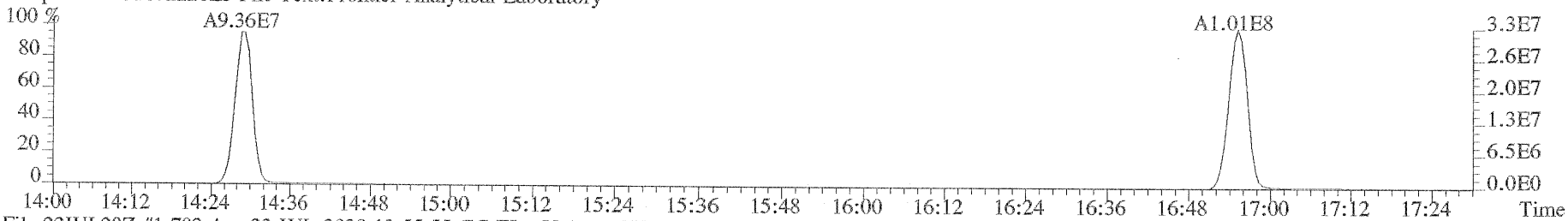
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



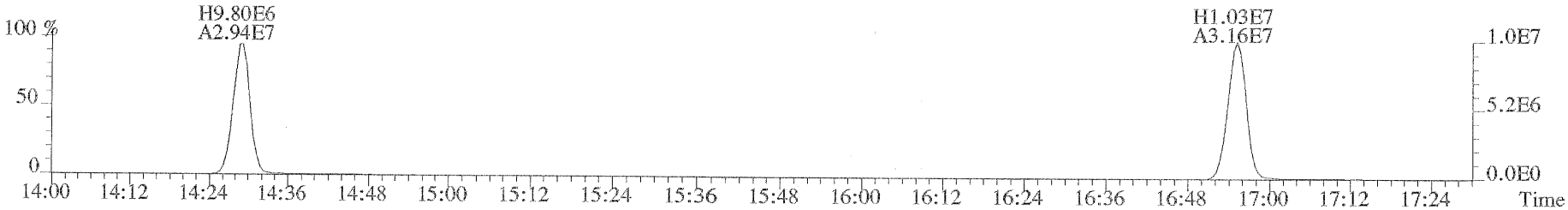
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



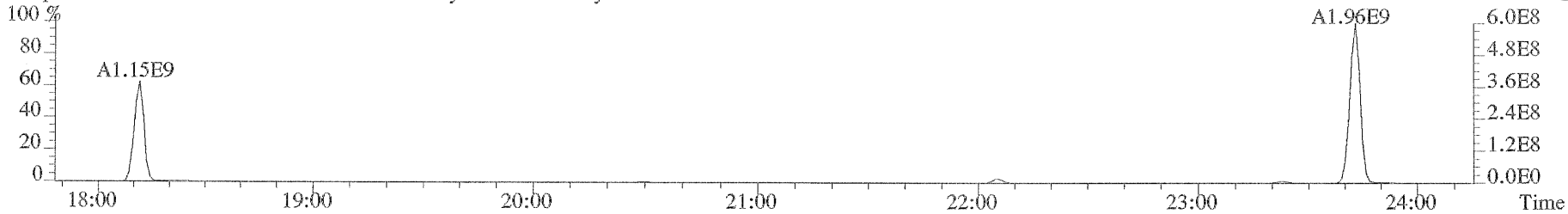
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



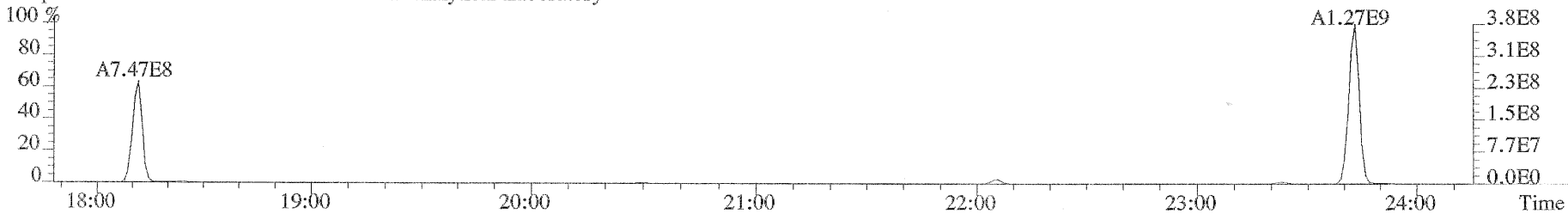
File:22JUL20Z #1-783 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



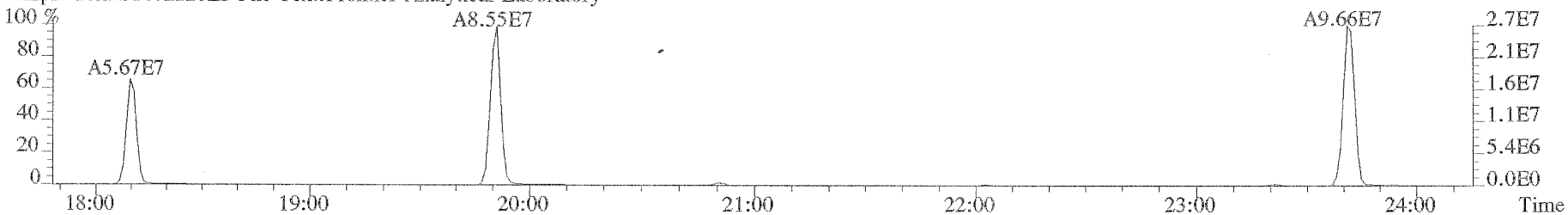
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



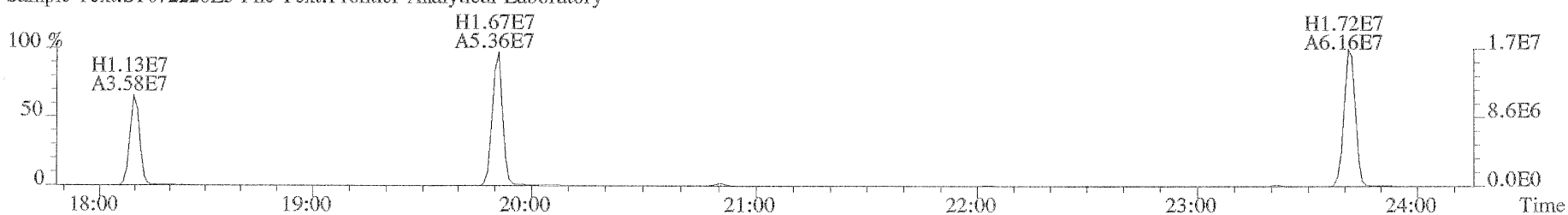
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



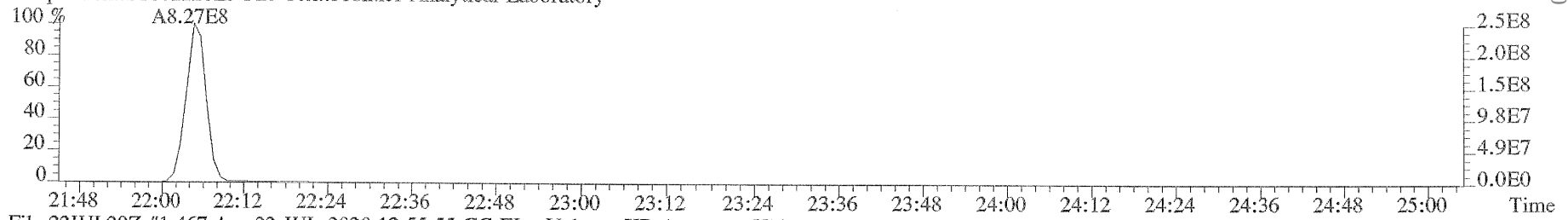
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



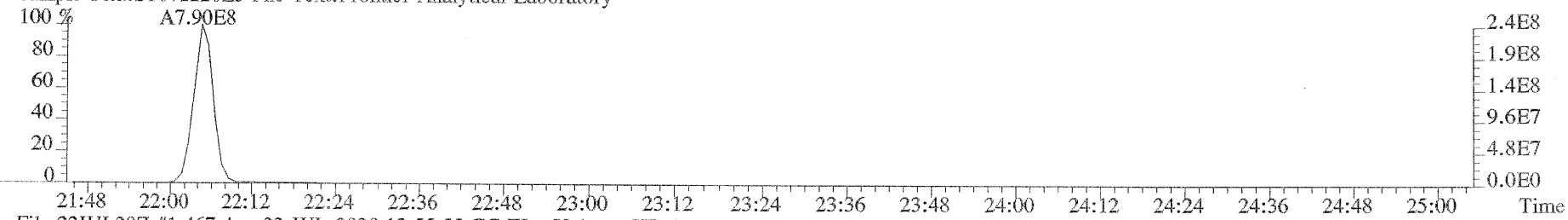
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



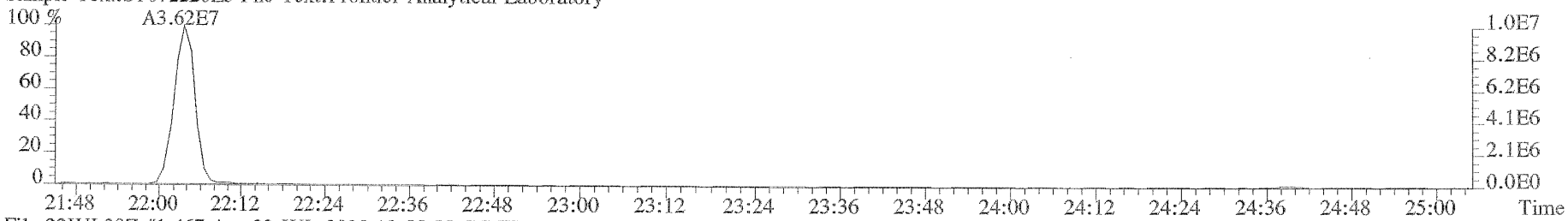
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



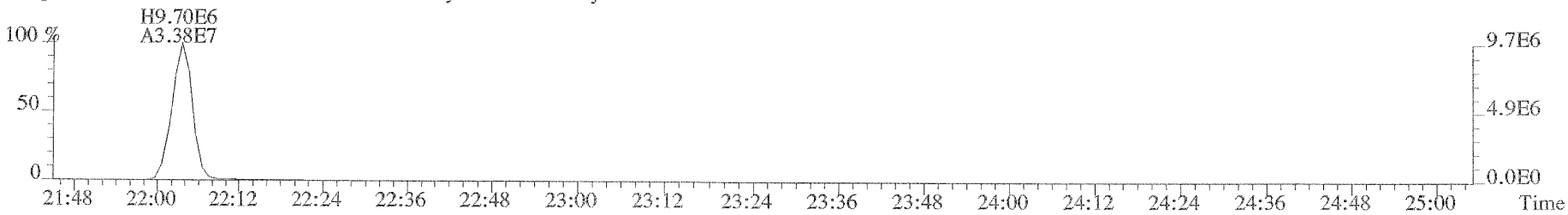
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



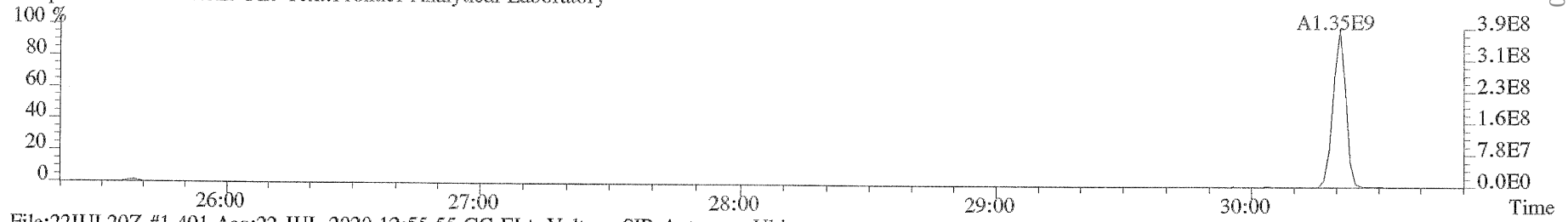
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



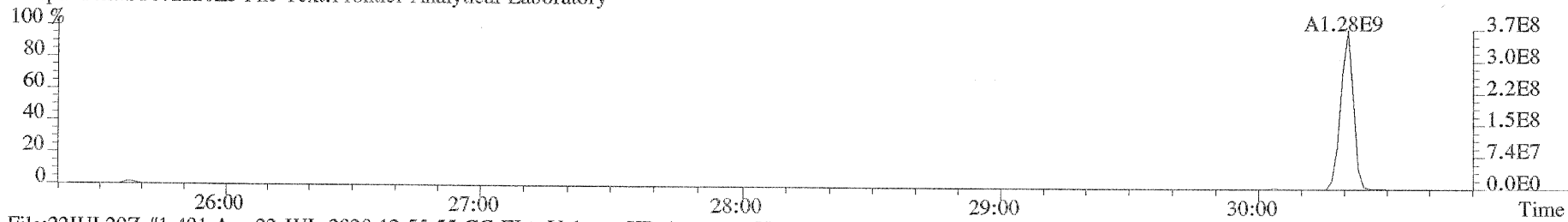
File:22JUL20Z #1-467 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



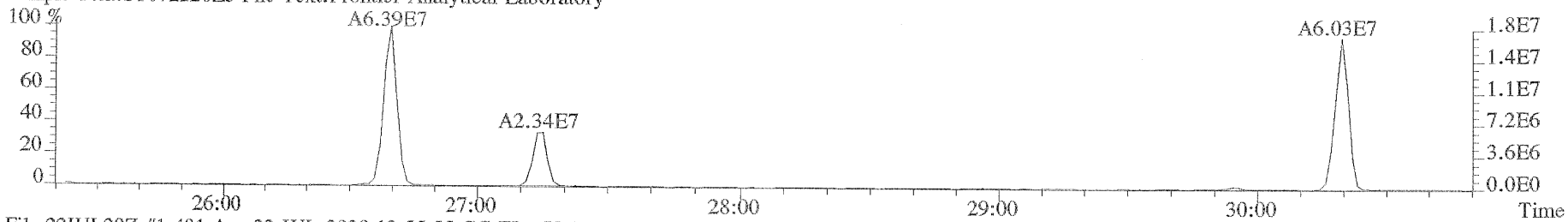
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



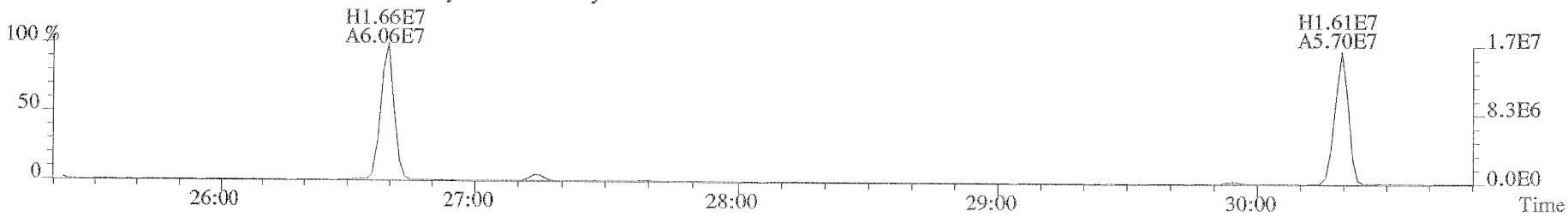
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



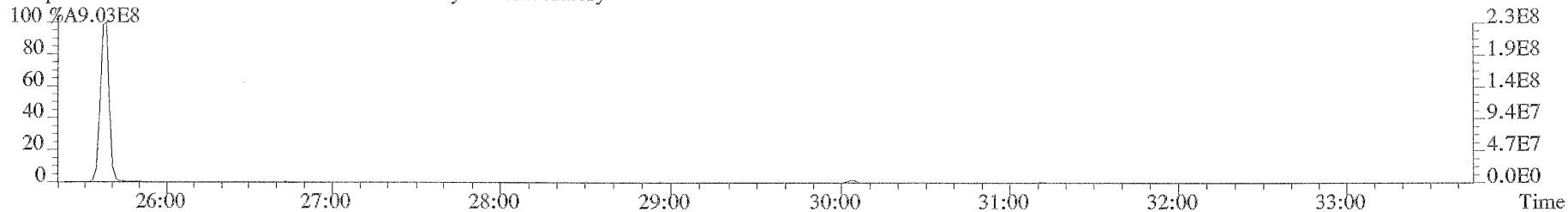
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



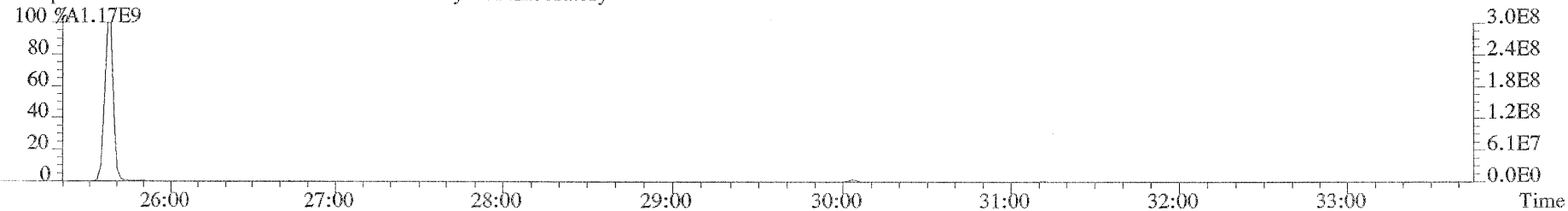
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



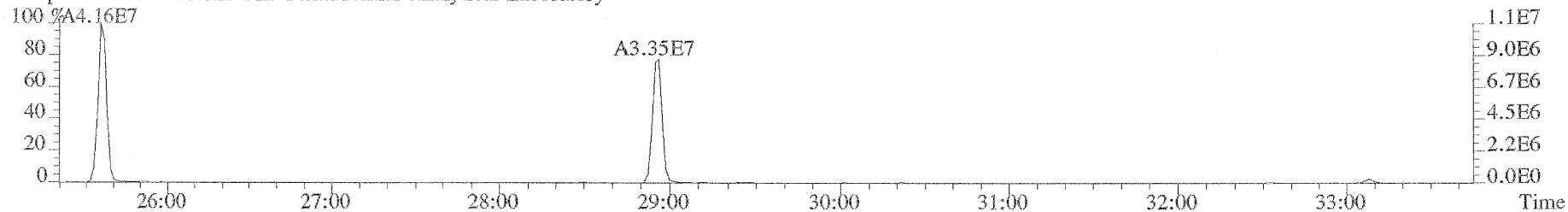
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



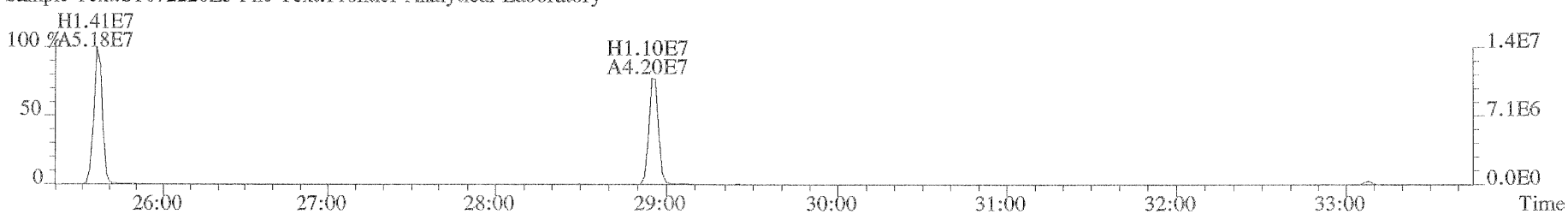
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



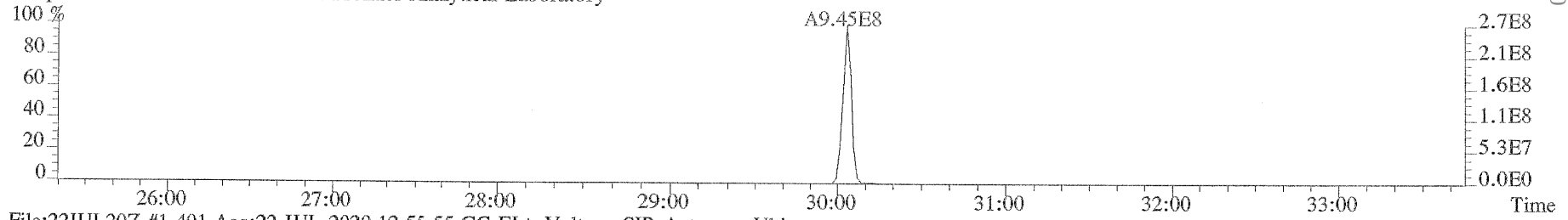
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



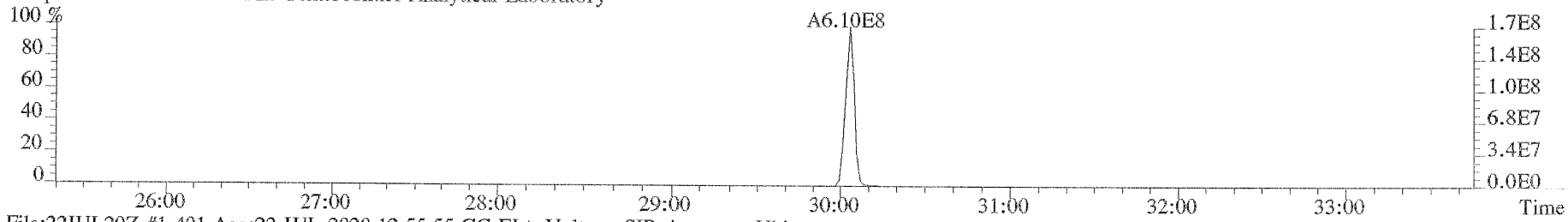
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



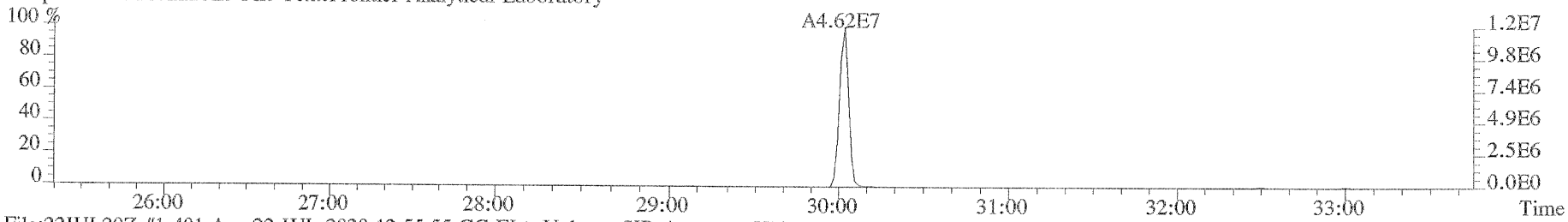
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



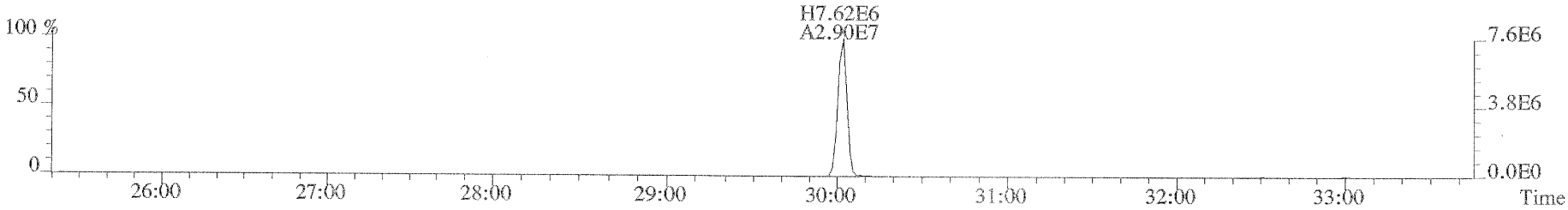
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



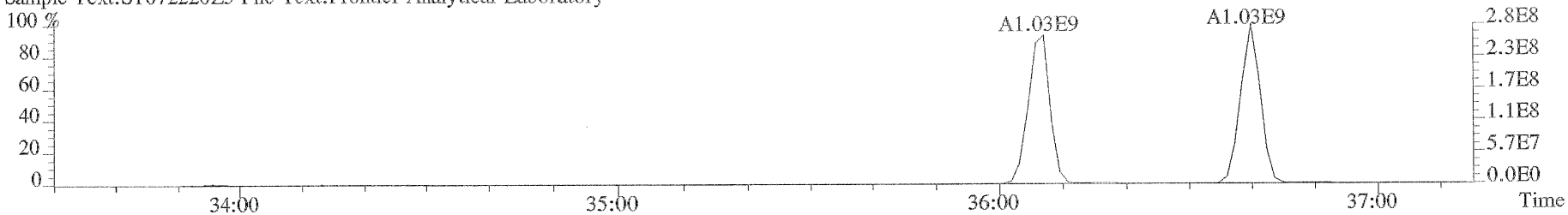
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



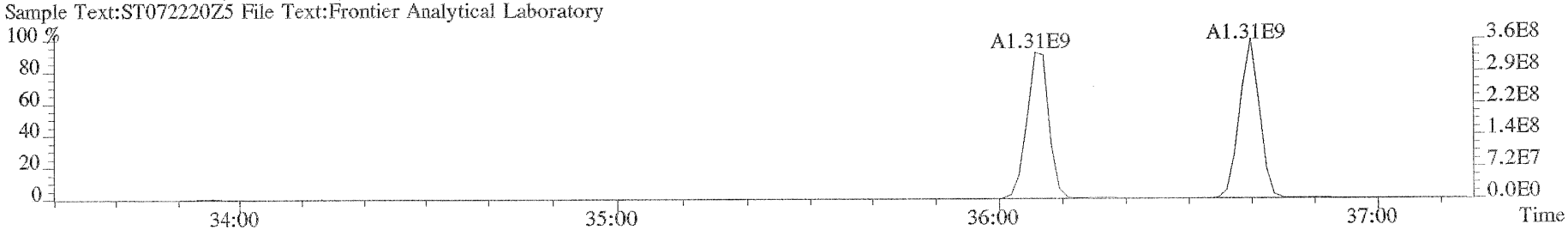
File:22JUL20Z #1-401 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



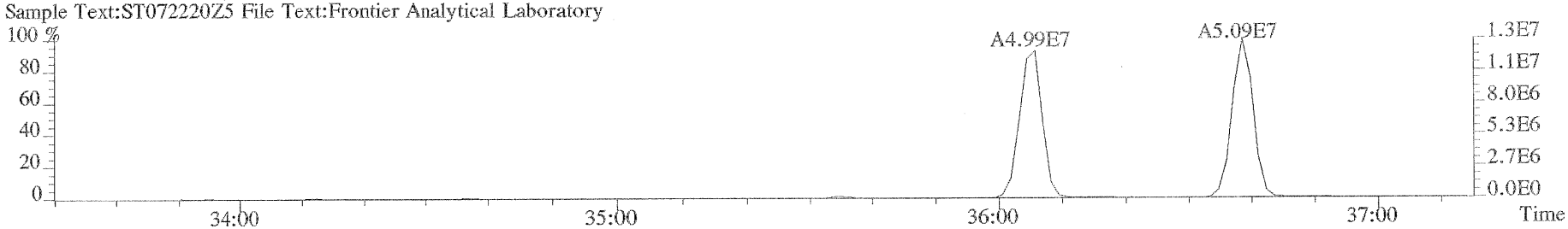
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



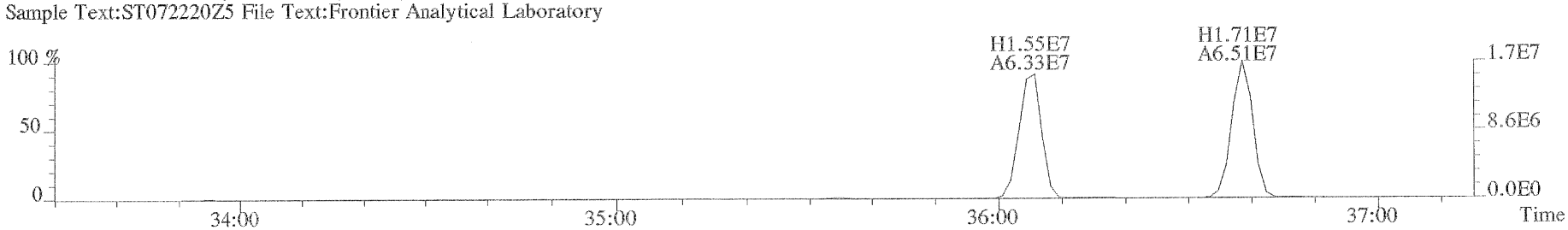
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



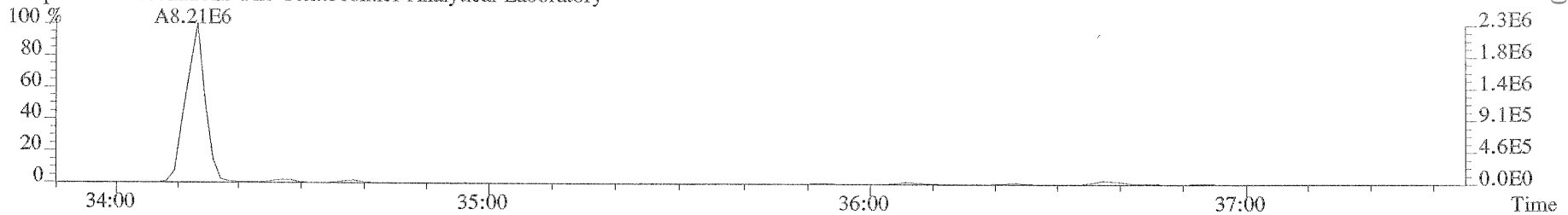
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



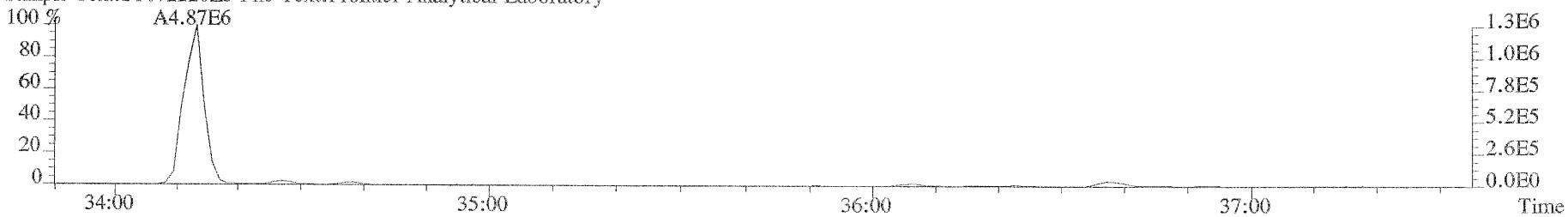
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



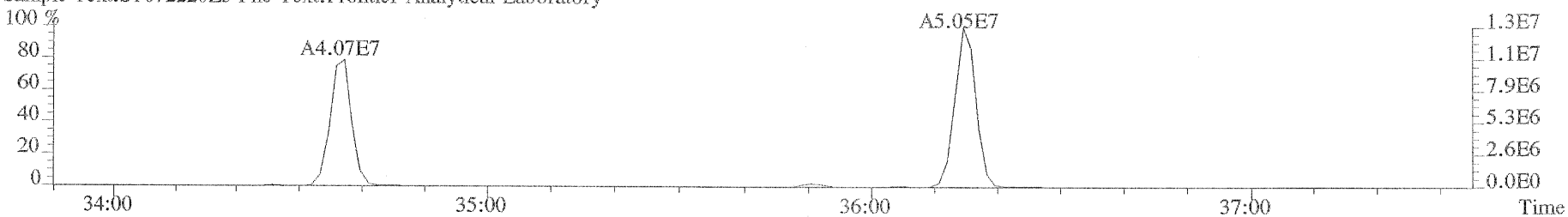
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



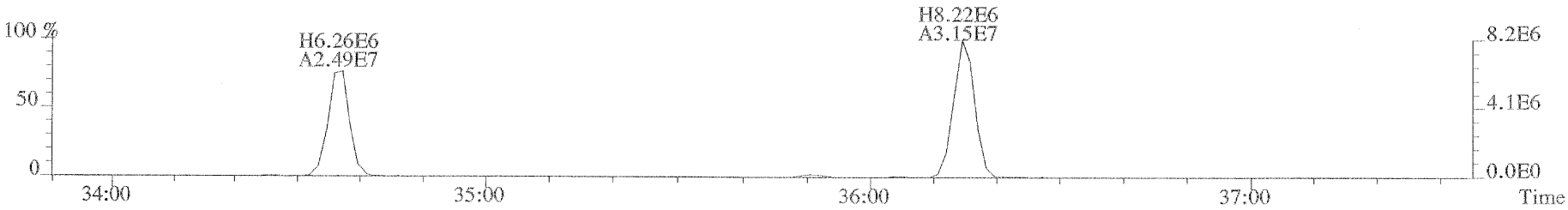
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



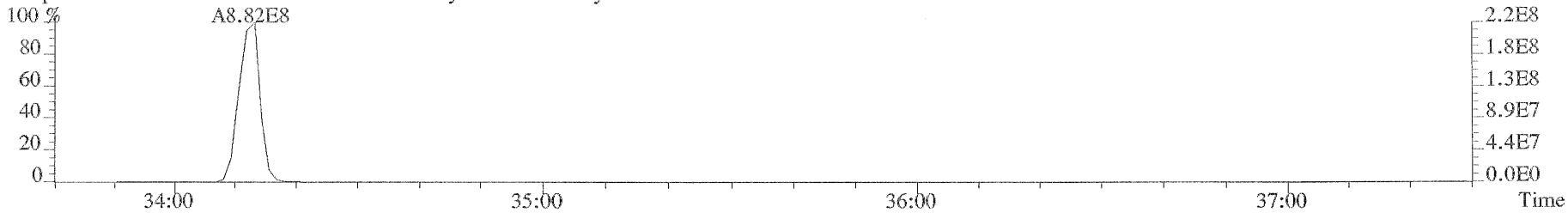
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



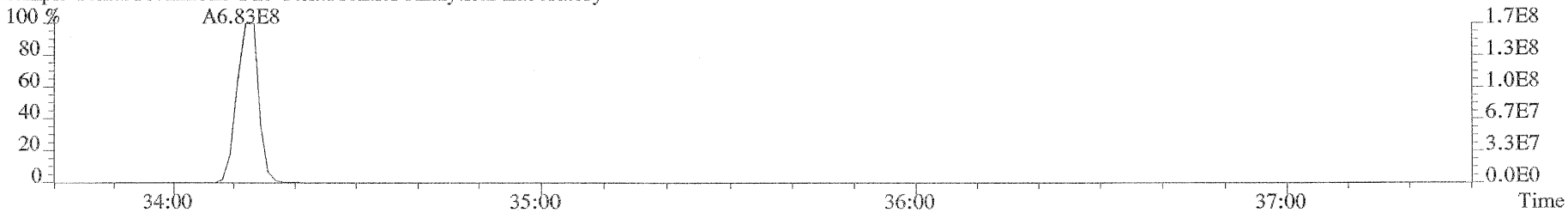
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



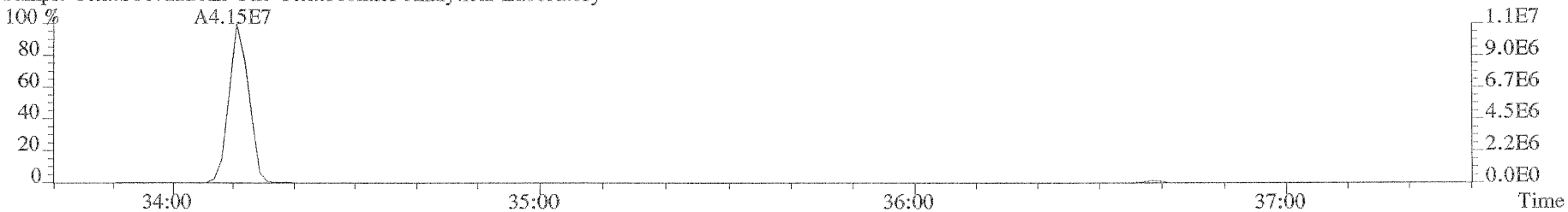
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



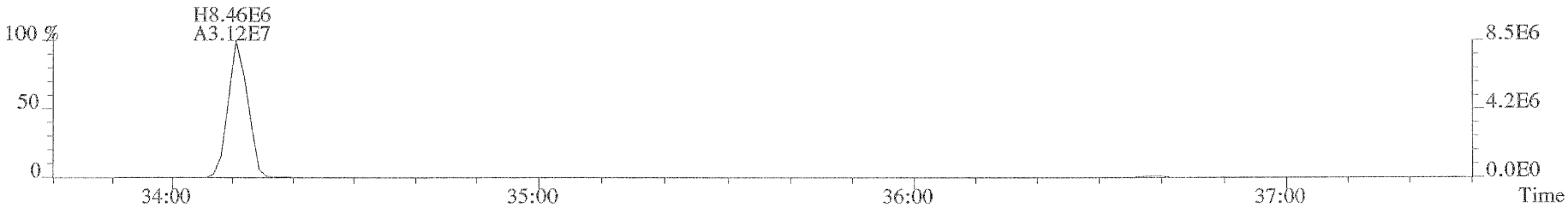
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



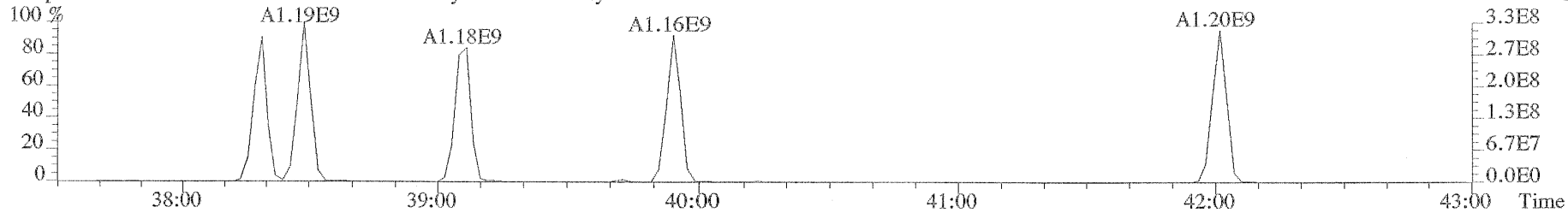
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



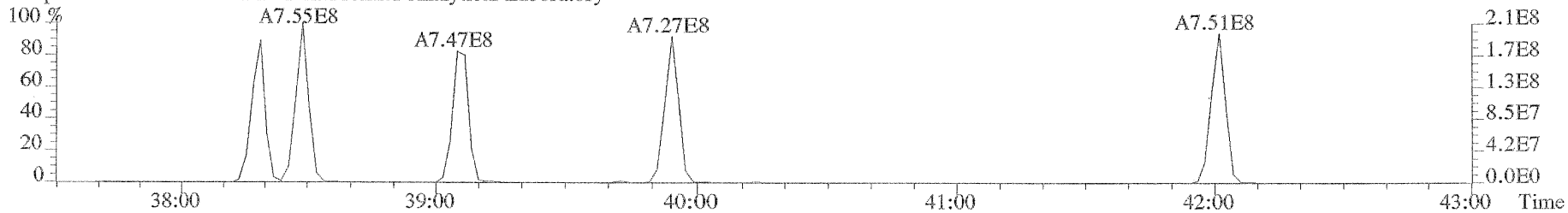
File:22JUL20Z #1-180 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



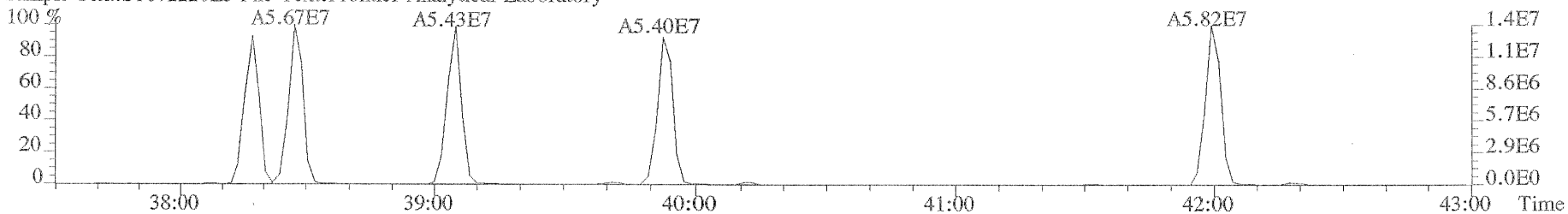
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



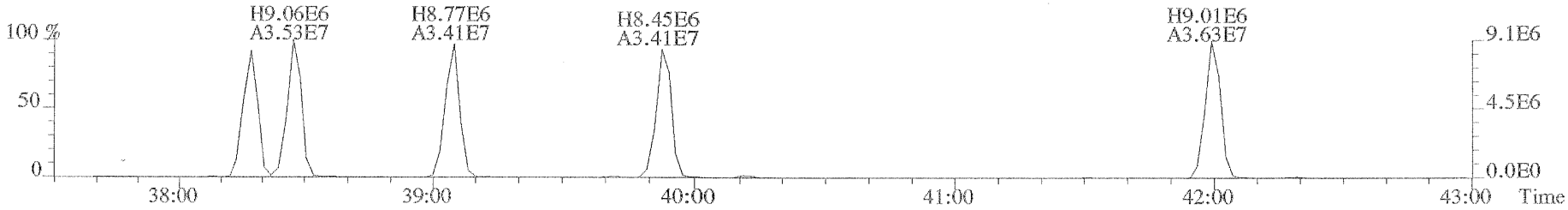
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



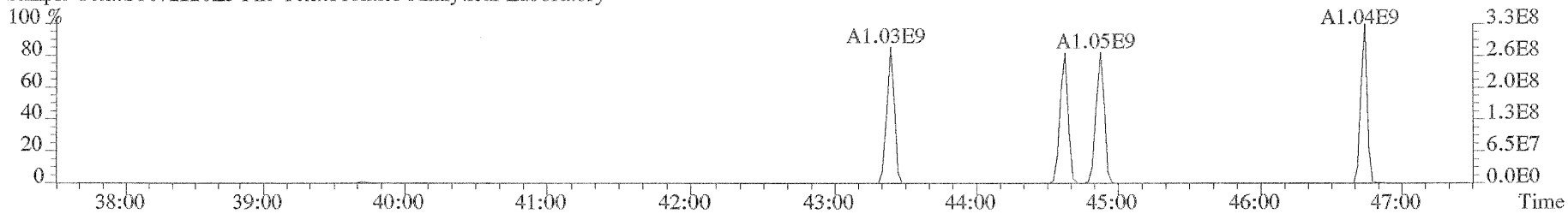
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



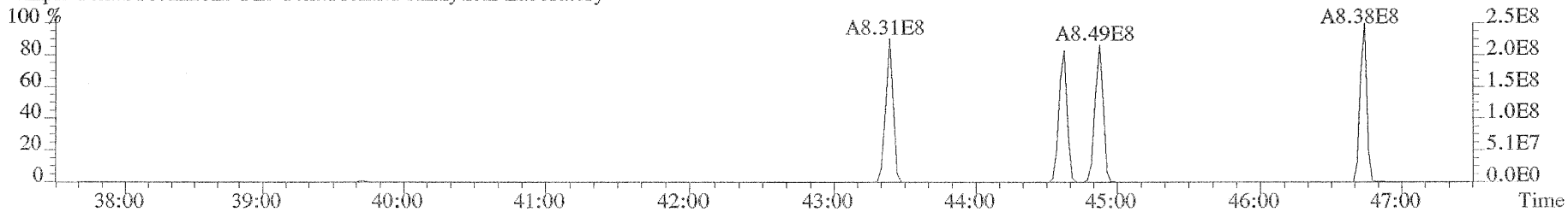
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



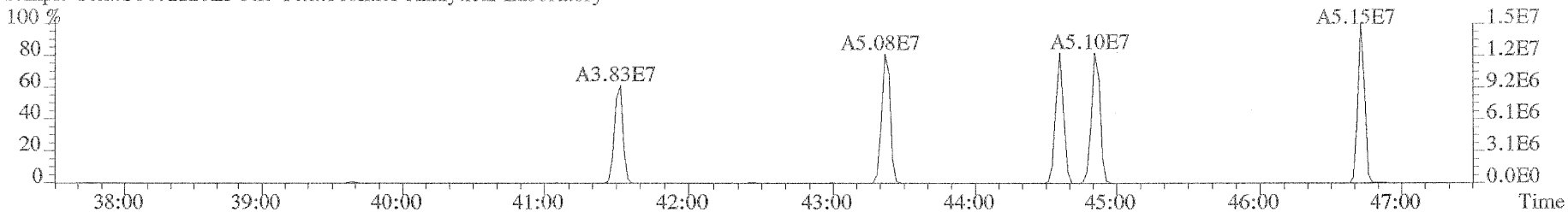
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



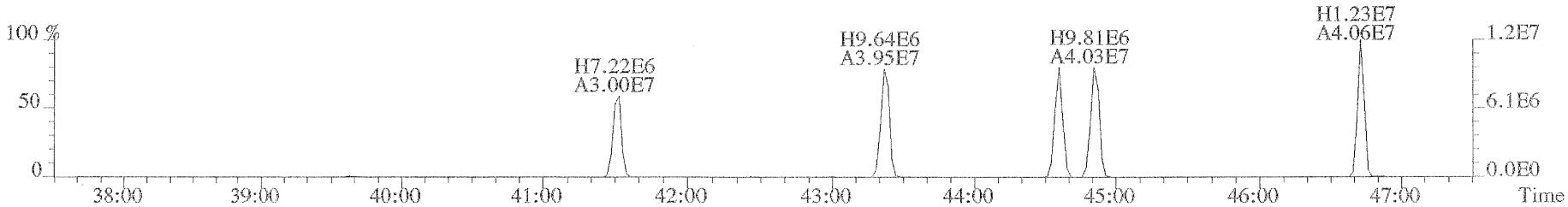
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



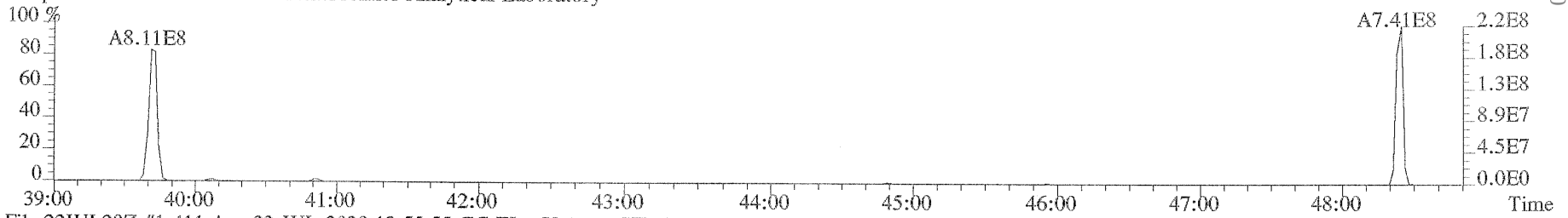
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



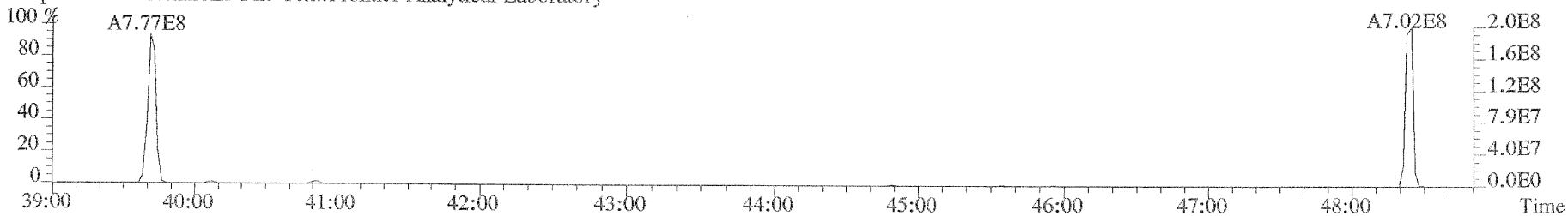
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



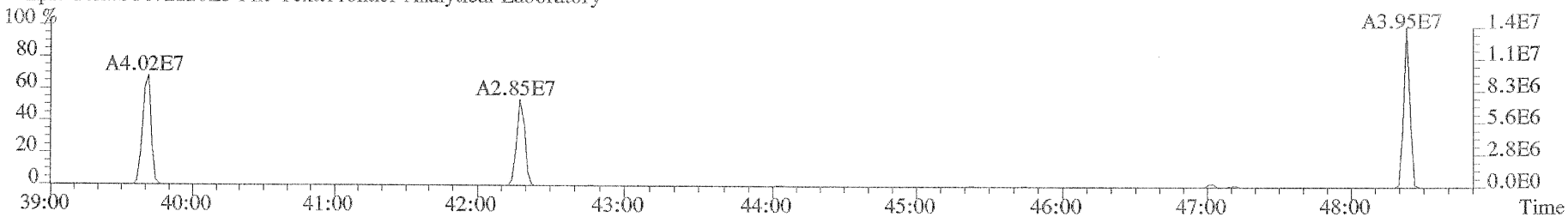
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



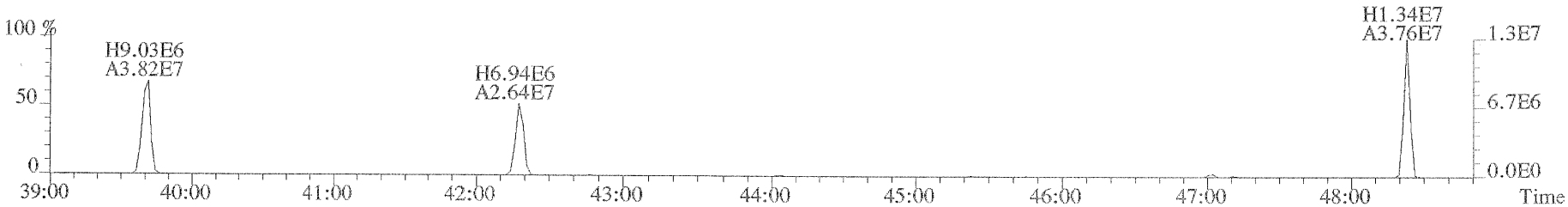
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



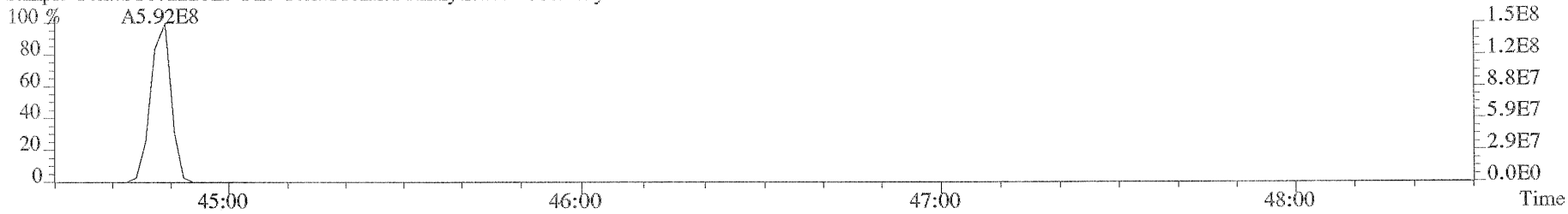
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



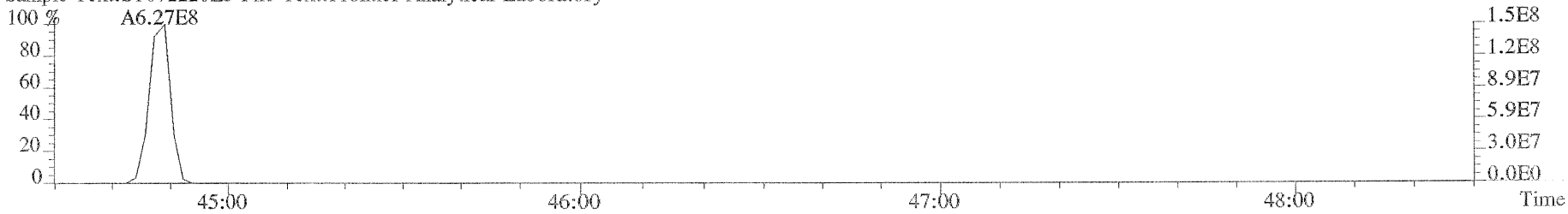
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



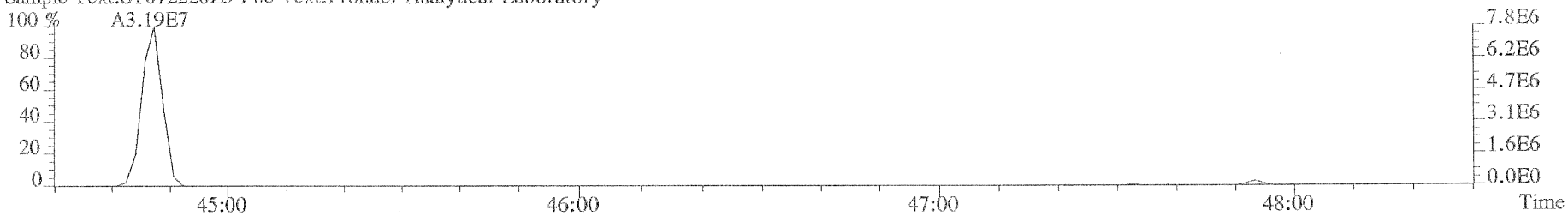
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



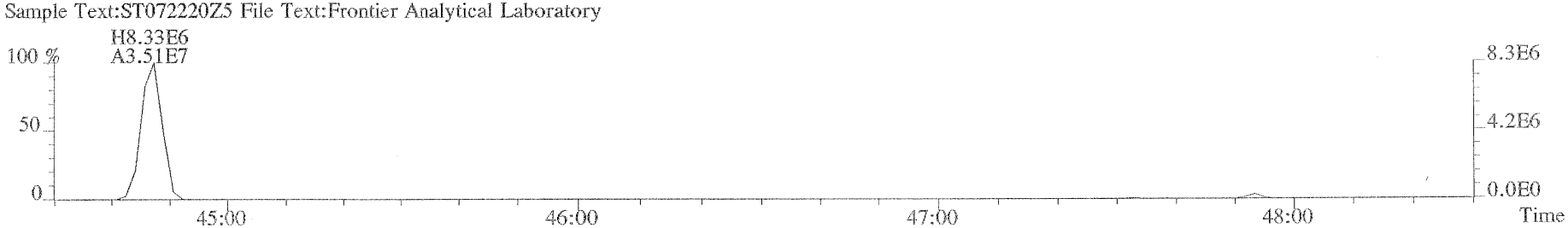
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



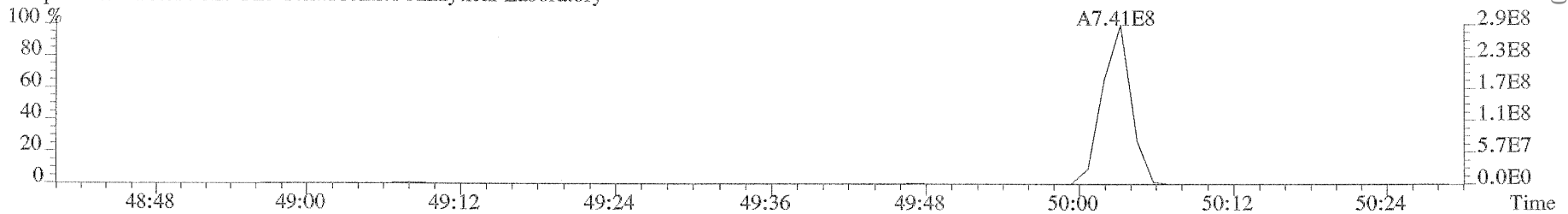
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



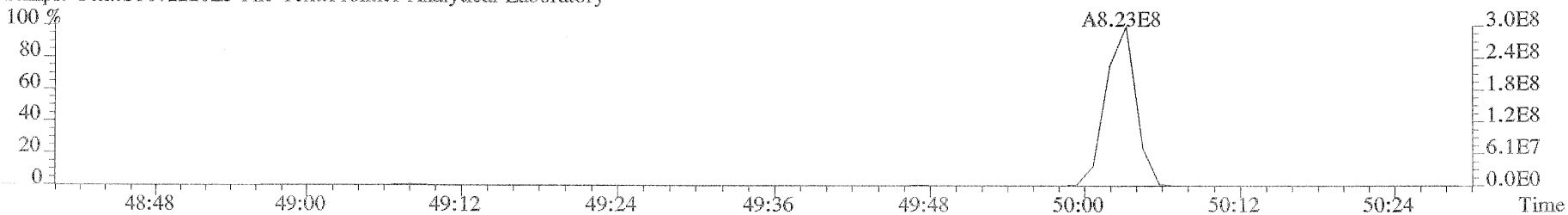
File:22JUL20Z #1-411 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



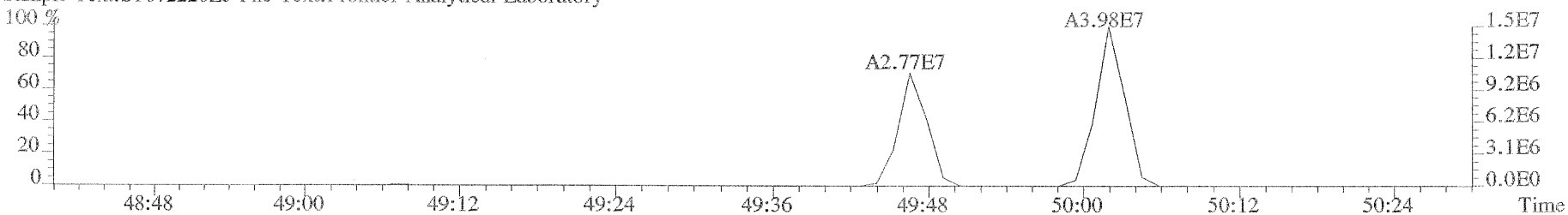
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



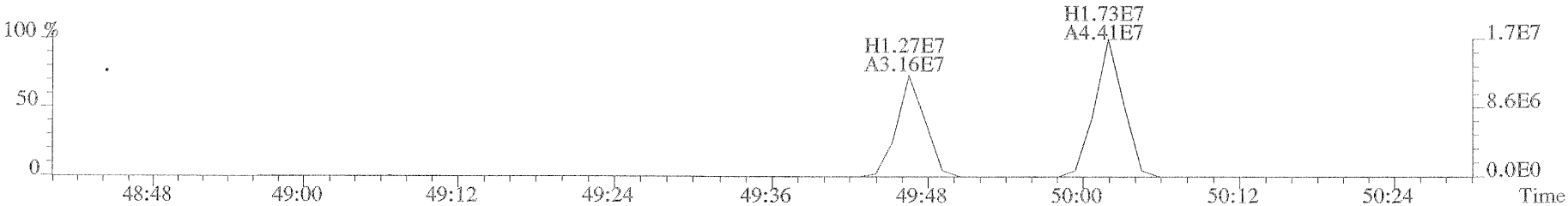
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



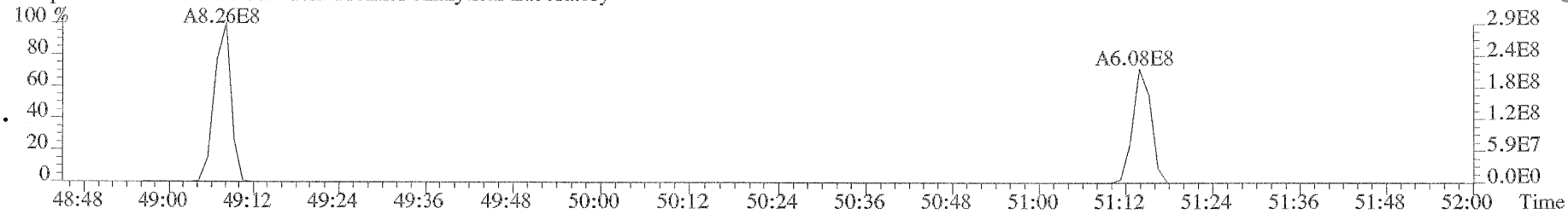
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



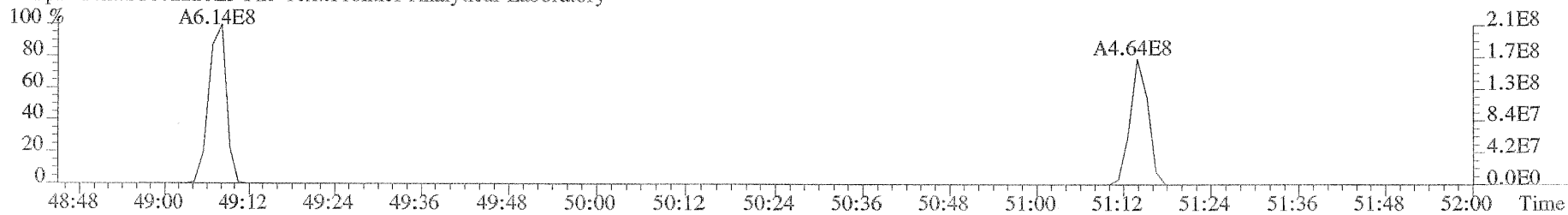
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



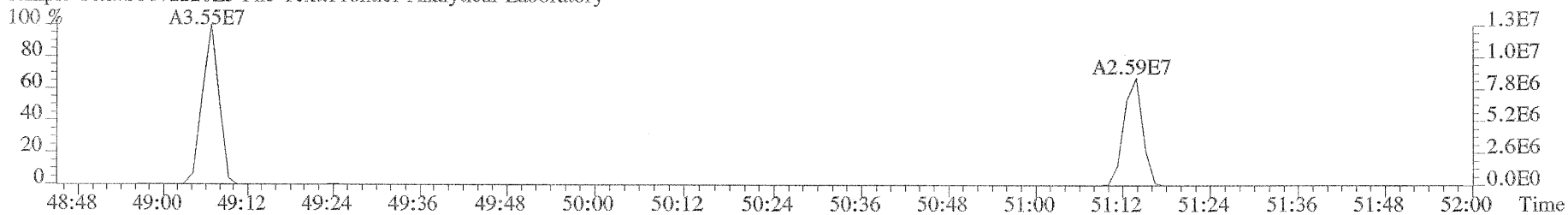
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



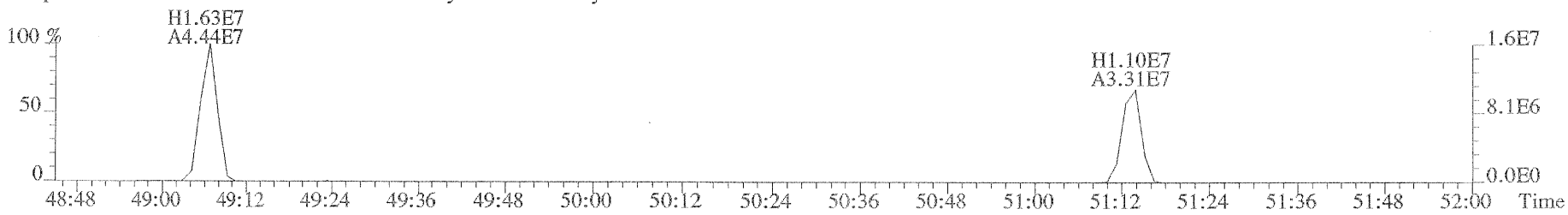
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



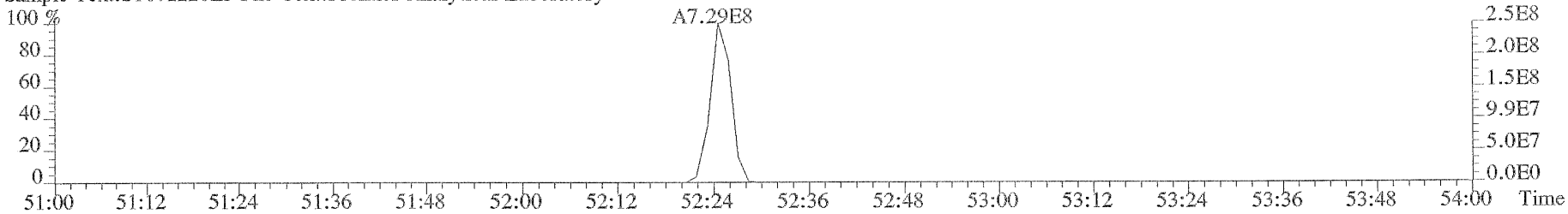
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



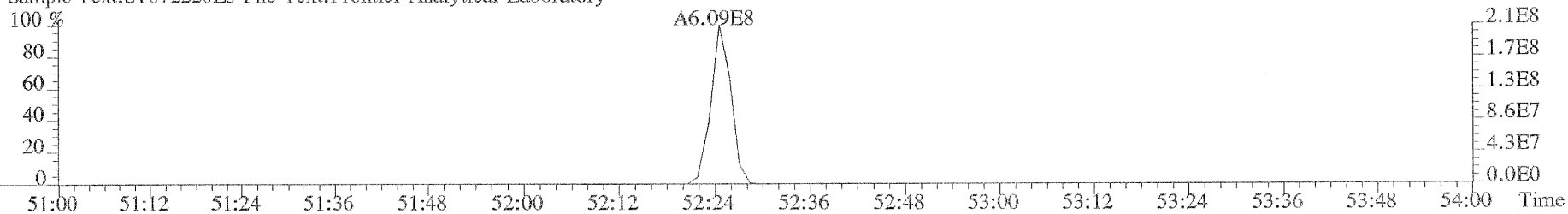
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



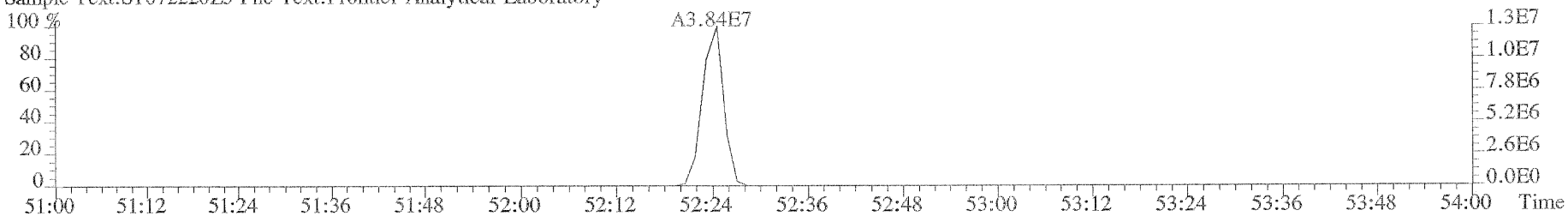
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



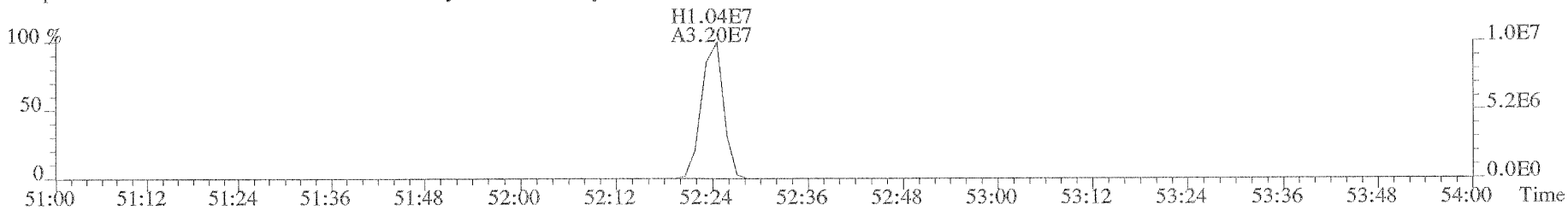
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



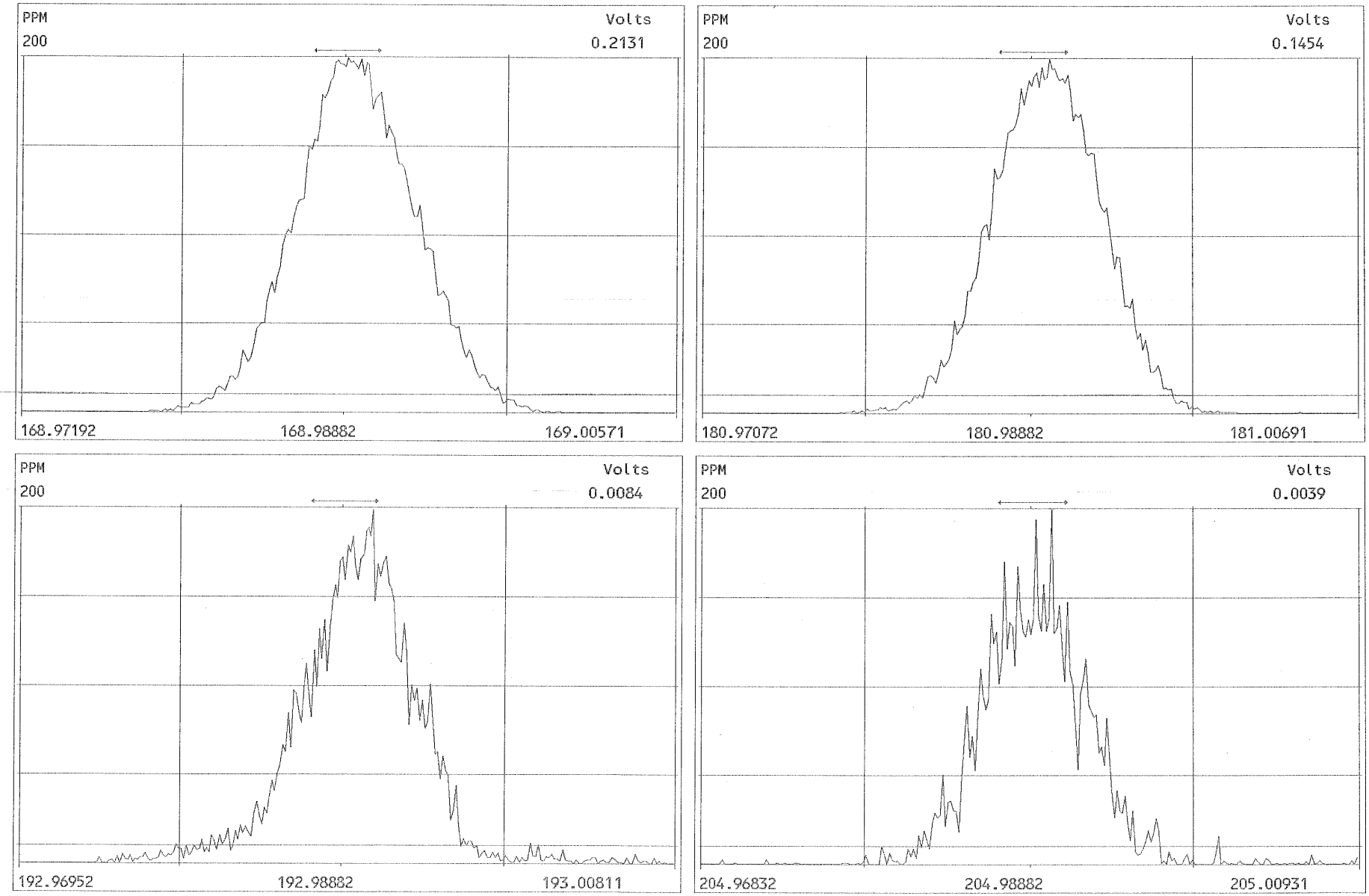
File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory



File:22JUL20Z #1-308 Acq:22-JUL-2020 12:55:55 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:6 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST072220Z5 File Text:Frontier Analytical Laboratory

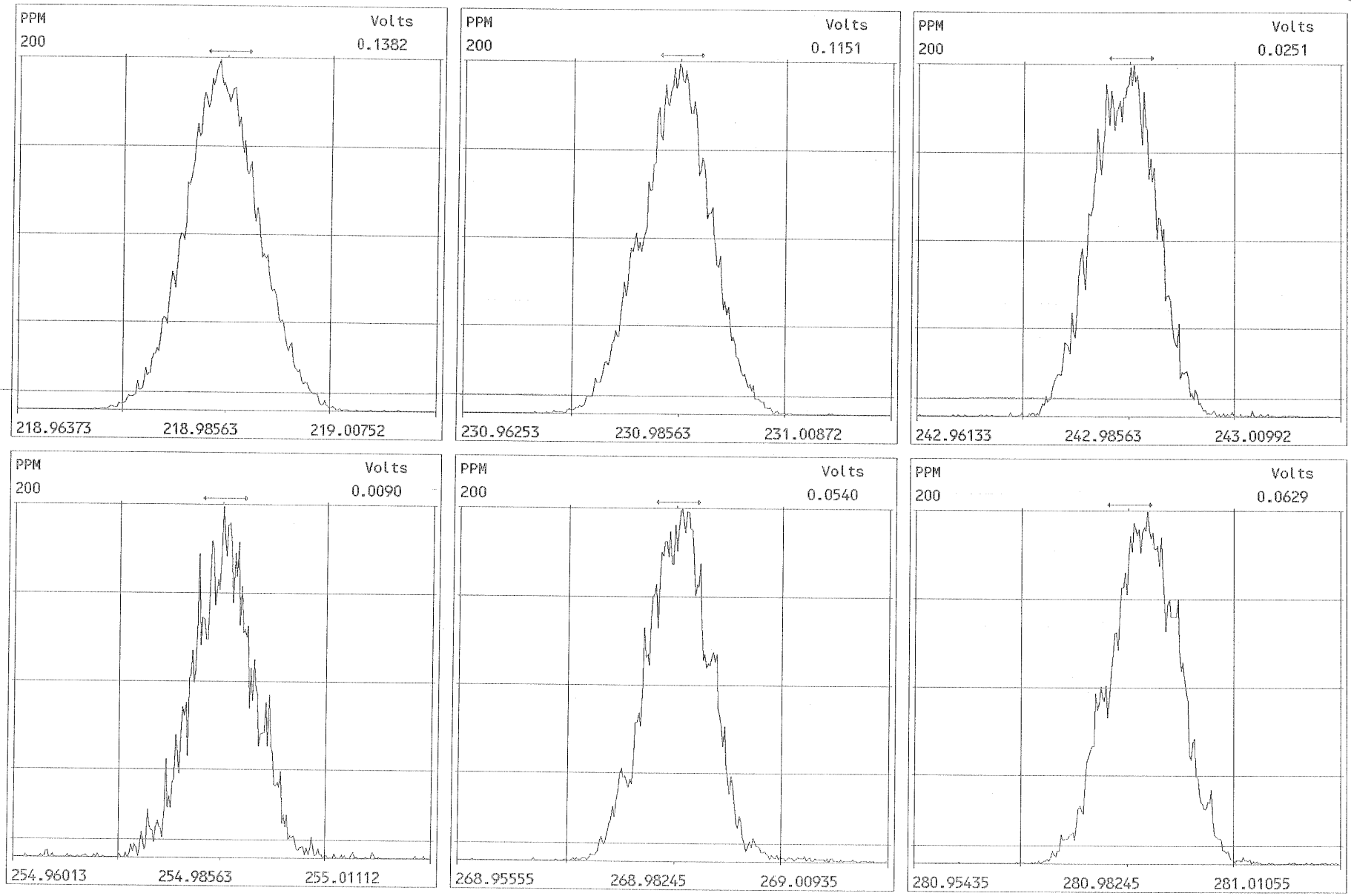


Peak Locate Examination:23-JUL-2020:04:00 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK 98

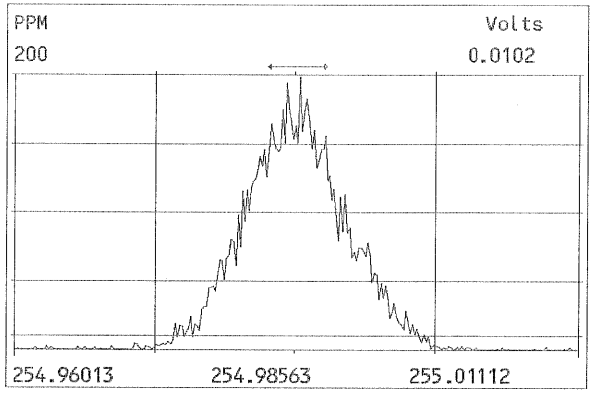


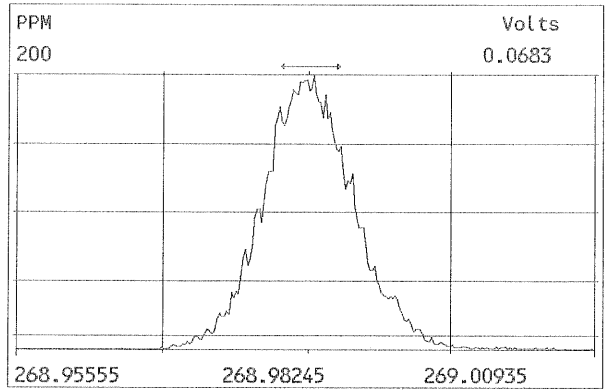
Peak Locate Examination:23-JUL-2020:04:02 File:22JUL20Z_RES_CHECK

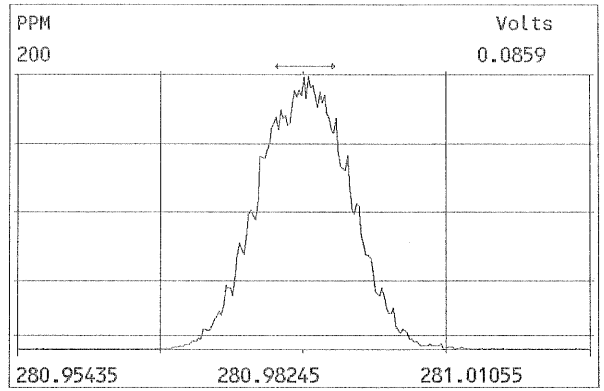
Experiment:1668PCB Function:2 Reference:PFK 98

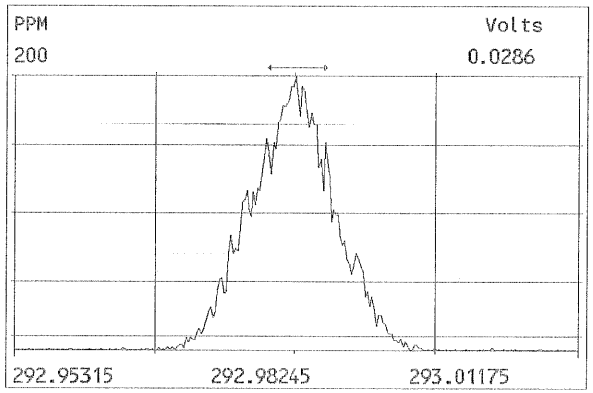


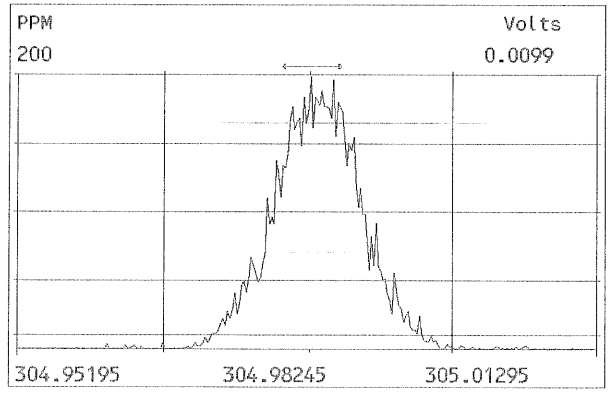
Peak Locate Examination:23-JUL-2020:04:05 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK 98

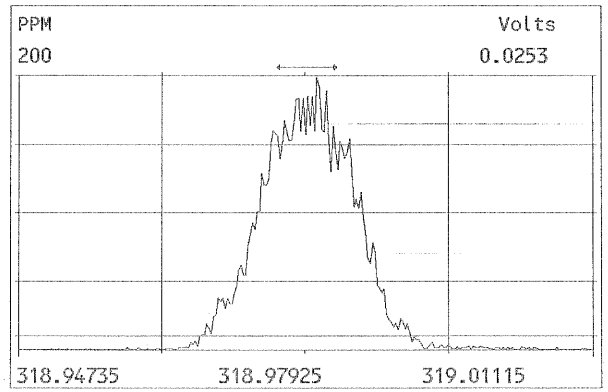


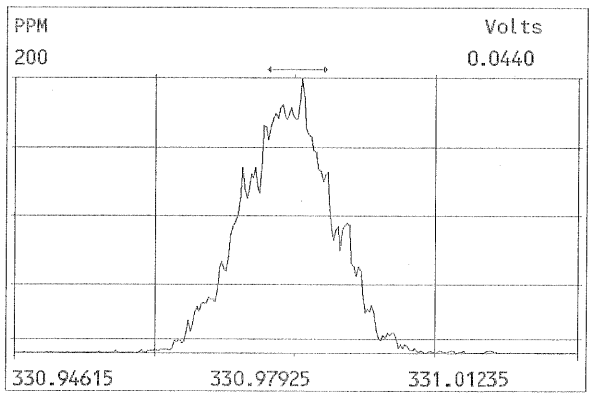


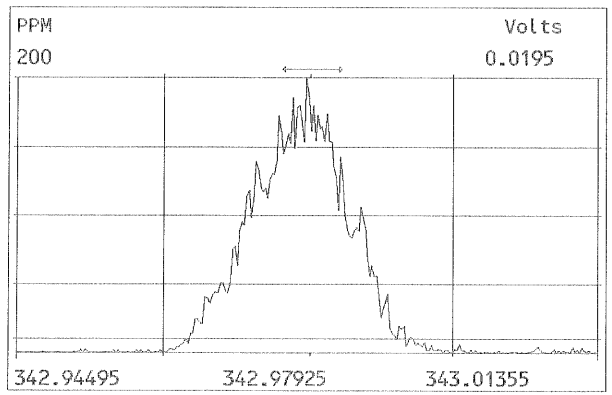






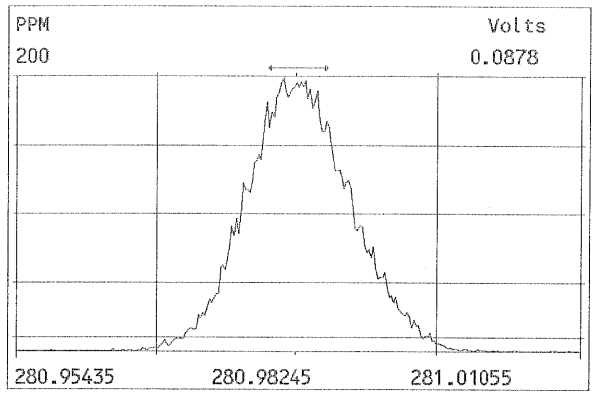


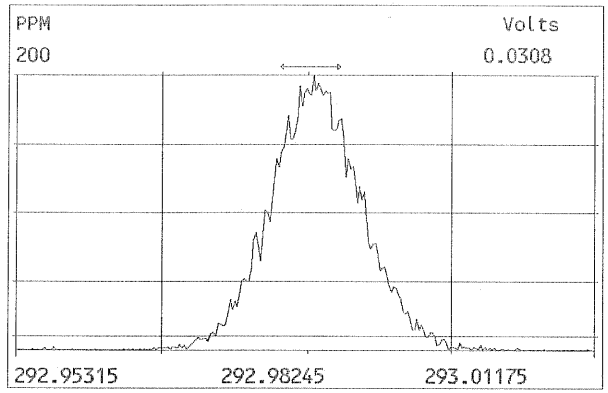


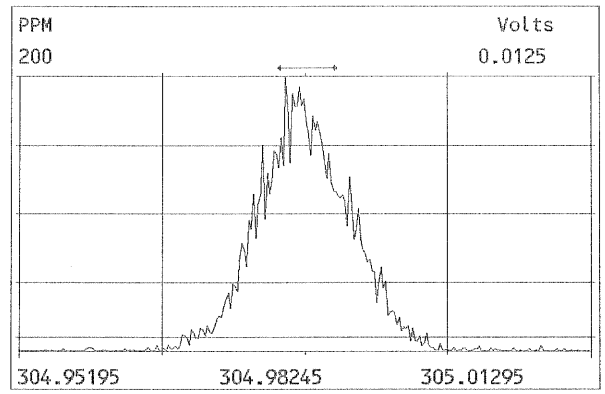


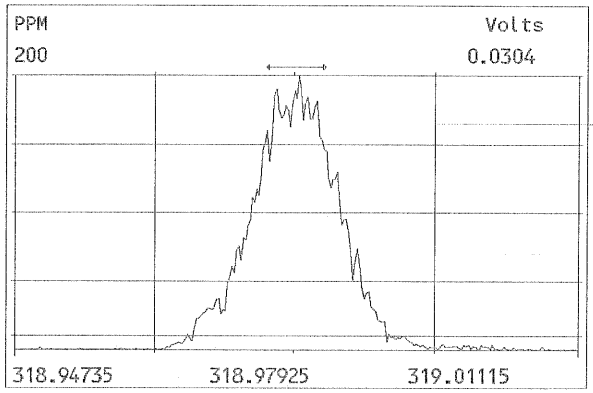
Peak Locate Examination:23-JUL-2020:04:07 File:22JUL20Z_RES_CHECK

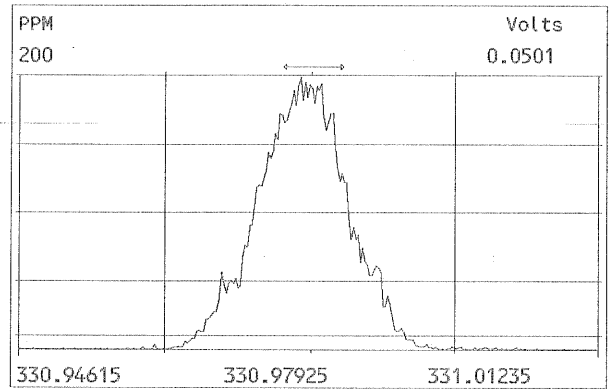
Experiment:1668PCB Function:4 Reference:PFK98

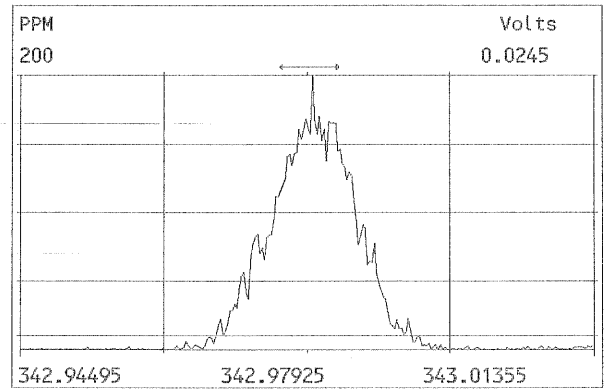


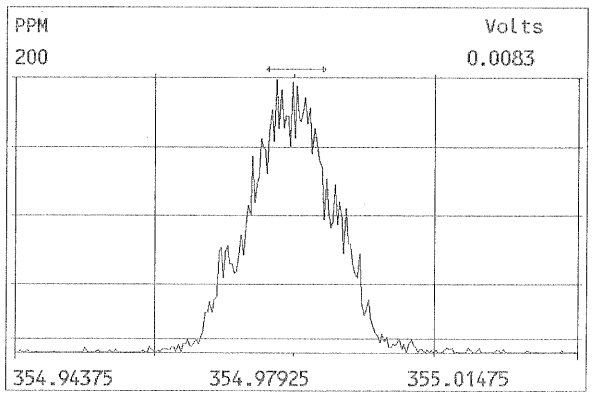


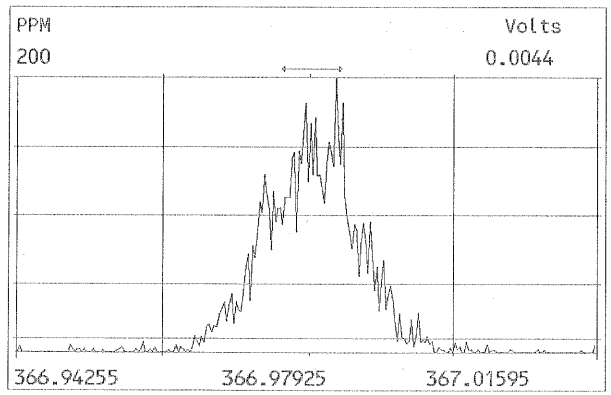


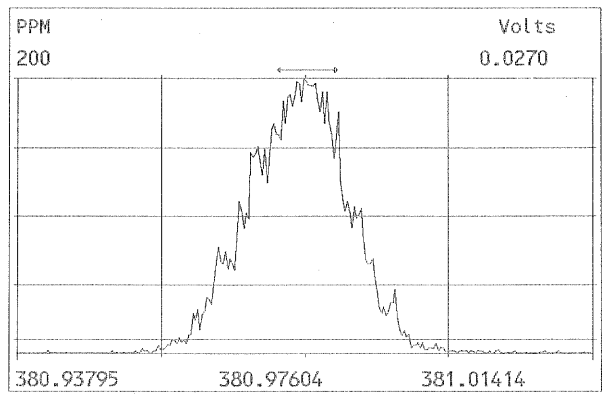




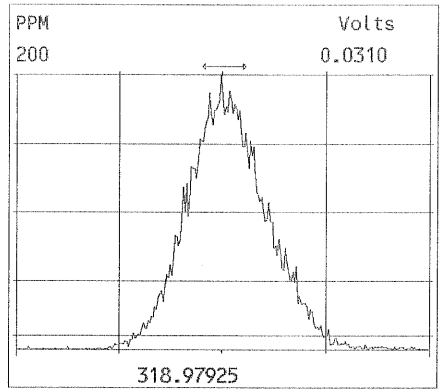


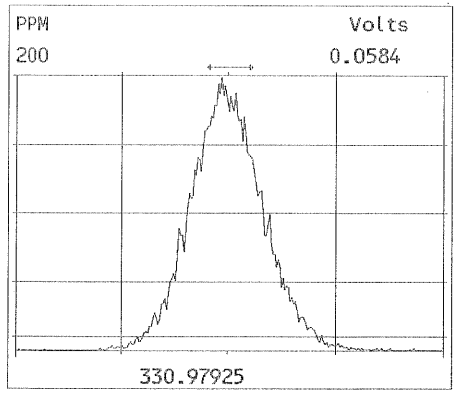


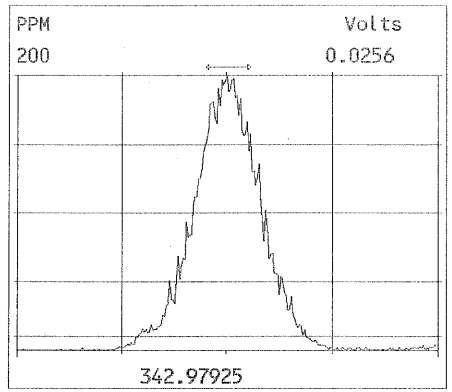


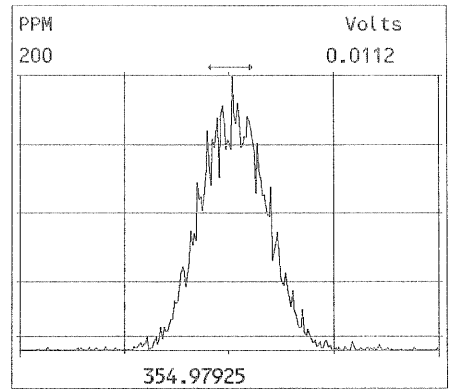


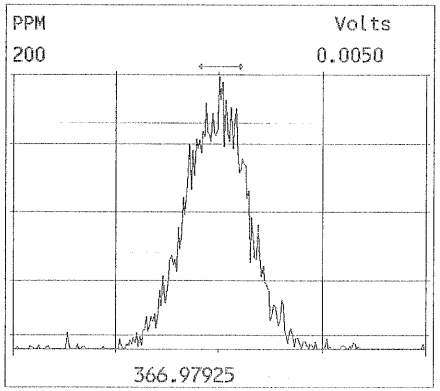
Peak Locate Examination:23-JUL-2020:04:10 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK 78

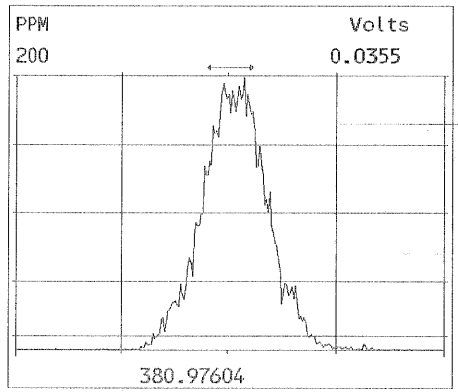


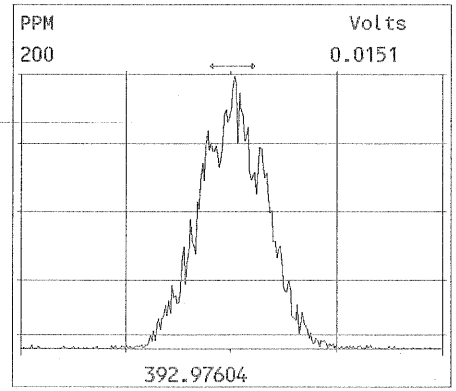


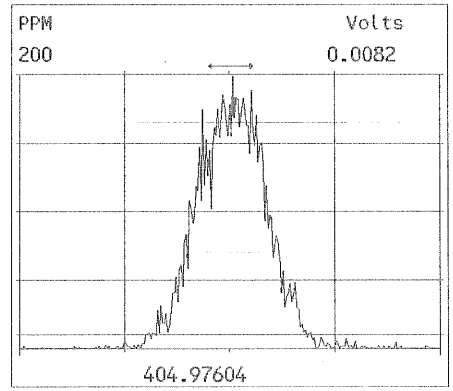


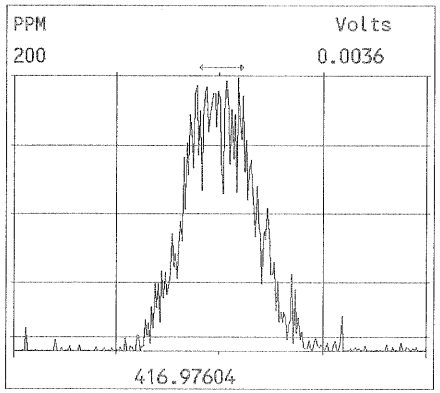


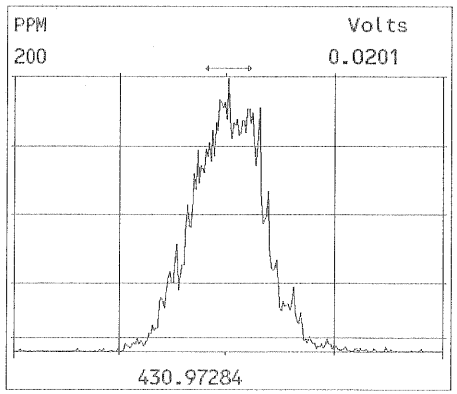


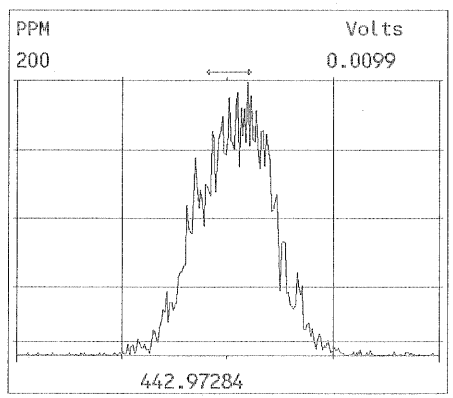




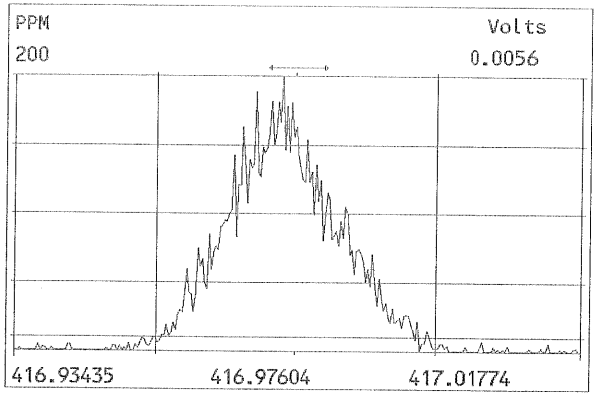


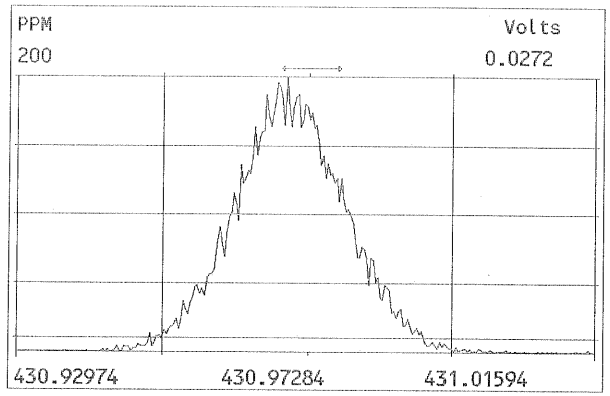


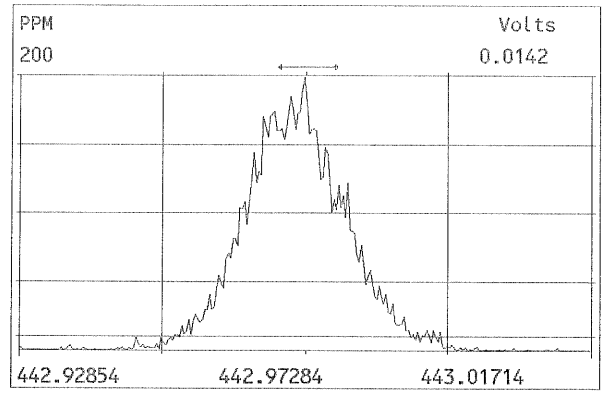


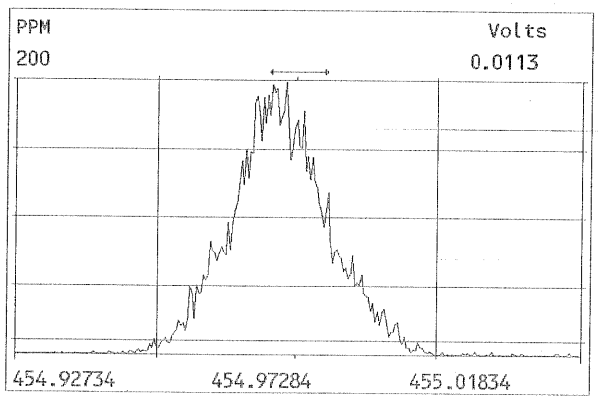


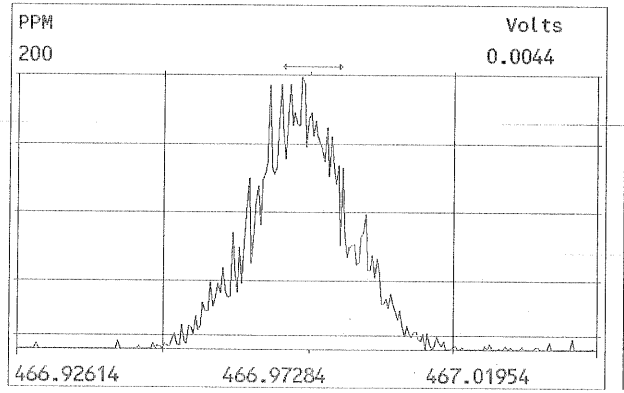
Peak Locate Examination:23-JUL-2020:04:12 File:22JUL20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK 98

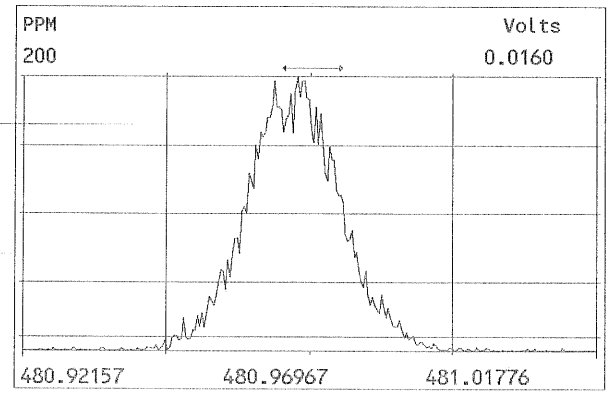


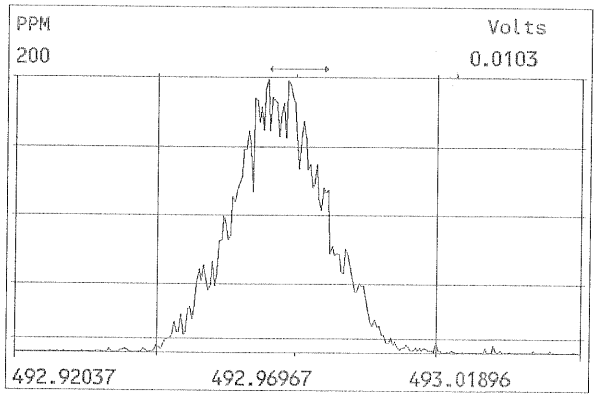


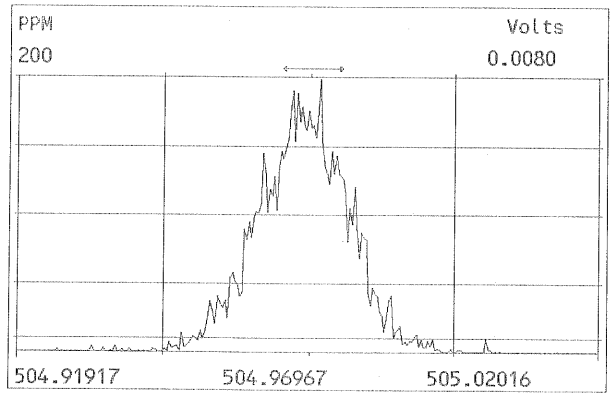


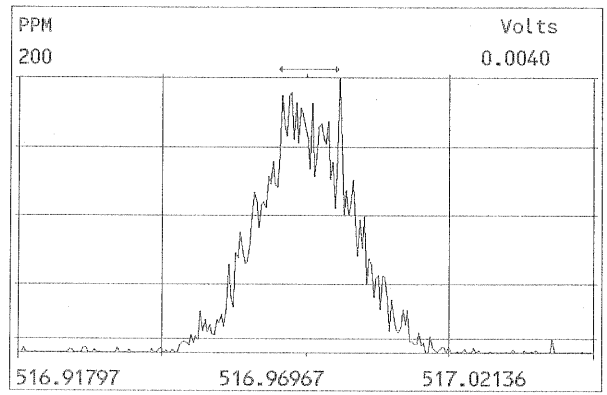












Cal: DAILY209FAL4-11-9-20

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: 11/10/20

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: 11/10/21

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: [illegible] Date: 11/10/20

FAL ID: ST110920Z2 Filename: 09NOV20Z Sam:11 Acquired: 9-NOV-20 21:45:46 ICal: DAILY209FAL4-11-9-20
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	3.35e+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

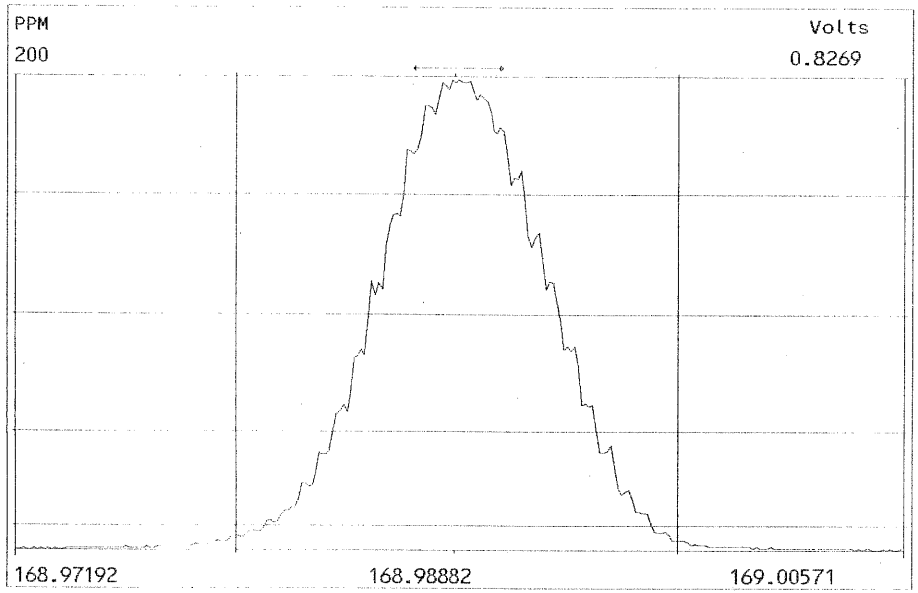
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
09NOV20Z	1	ST110920Z1	CS209 200406A	9-NOV-20 12:02:14	ST110920Z1	ST110920Z2	BS
09NOV20Z	2	05499-001-0001-OPR	OPR	9-NOV-20 13:00:34	ST110920Z1	ST110920Z2	BS
09NOV20Z	3	05499-001-0001-MB	Method Blank	9-NOV-20 13:58:55	ST110920Z1	ST110920Z2	BS
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

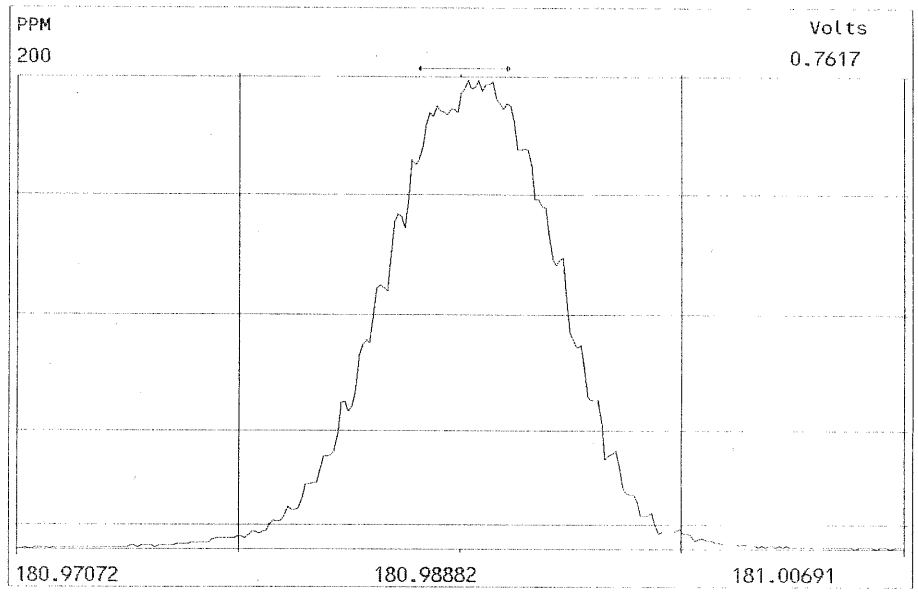
BS 11/10/20

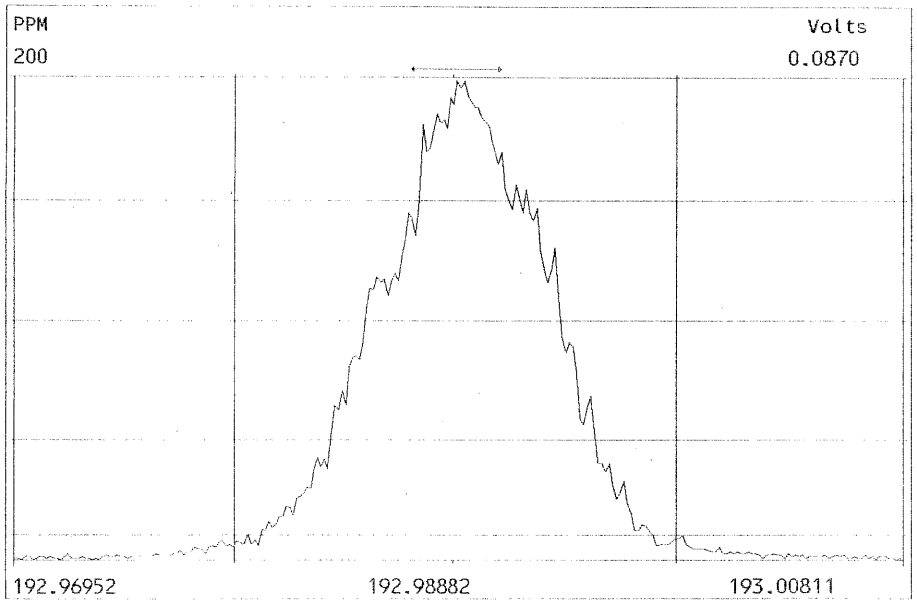
Data Backed Up:_____

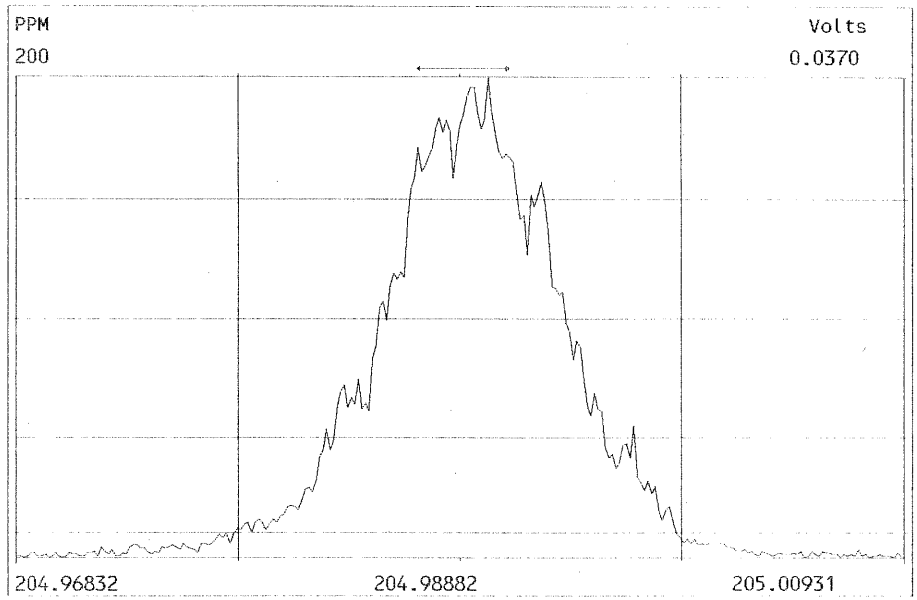
Date:_____

Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

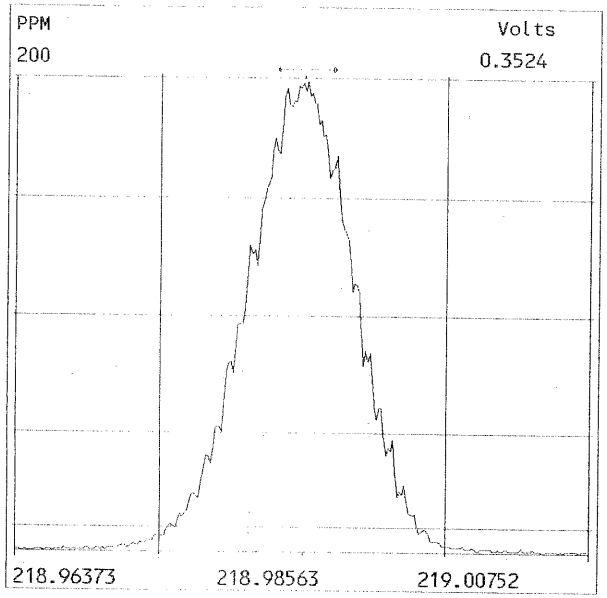


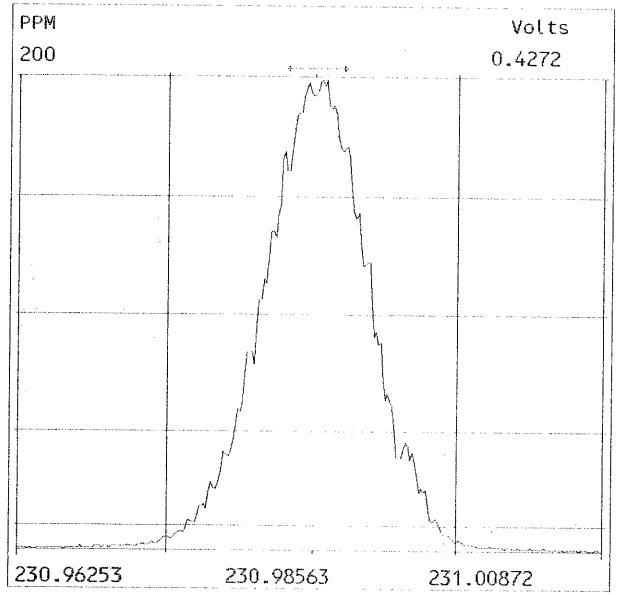


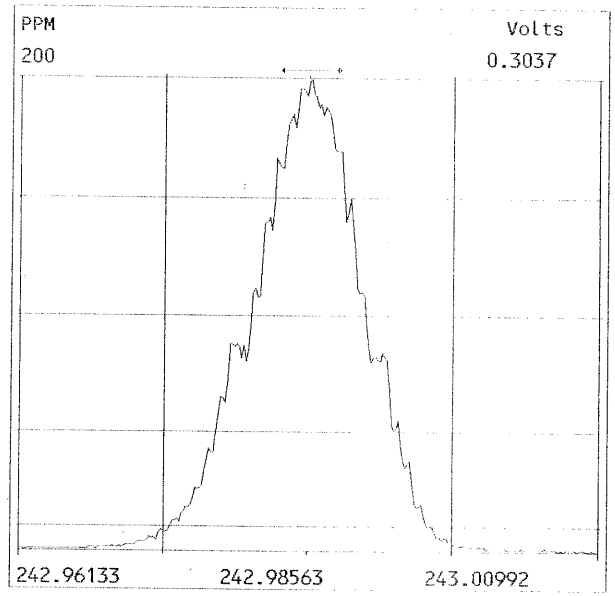


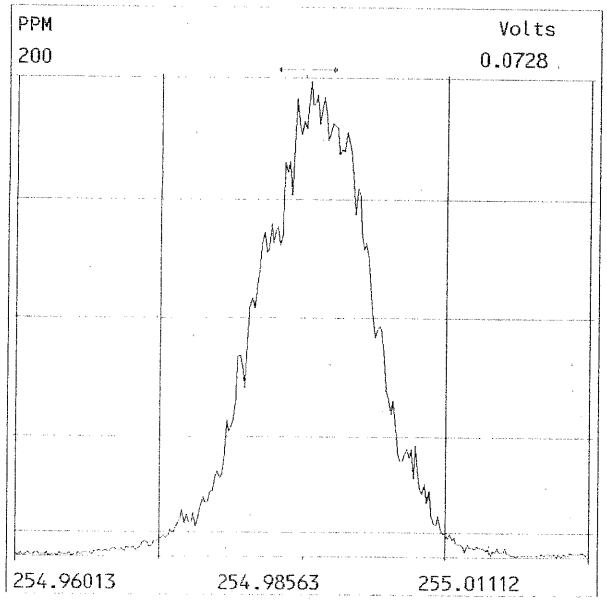


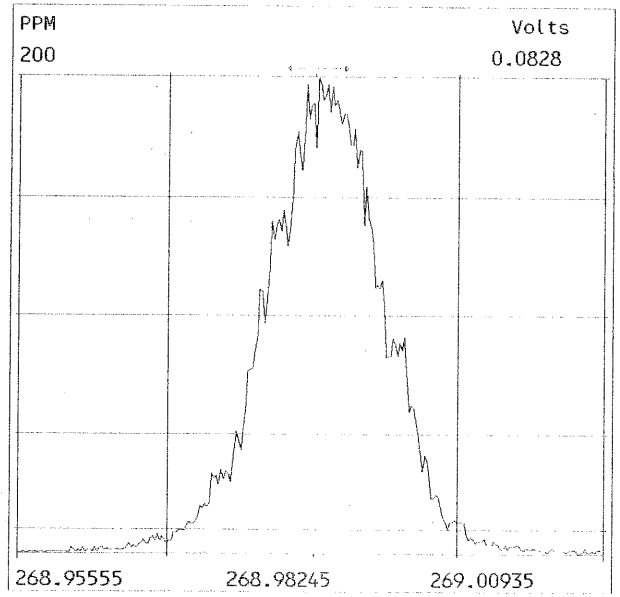
Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

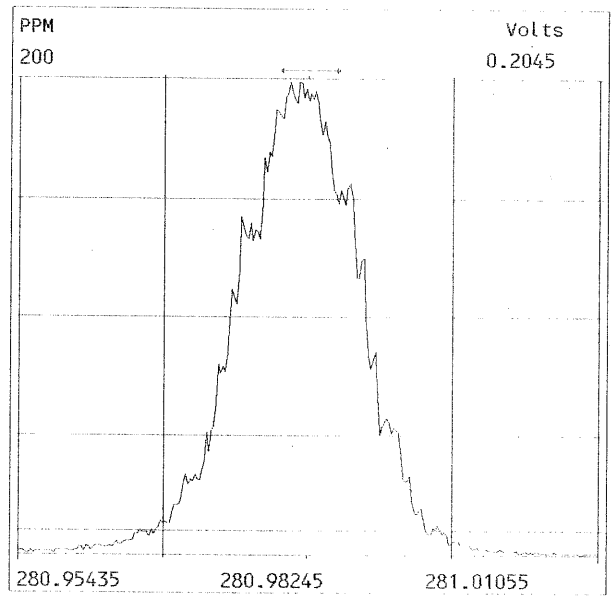




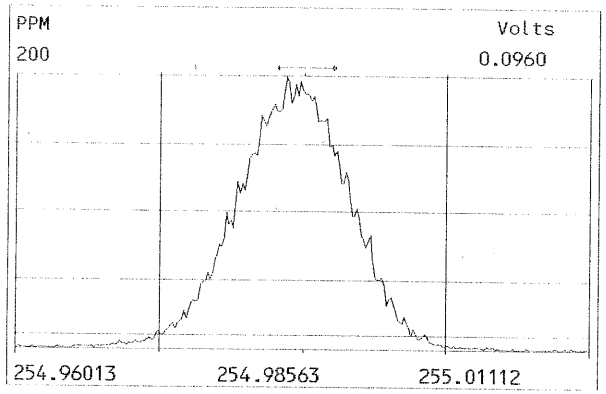


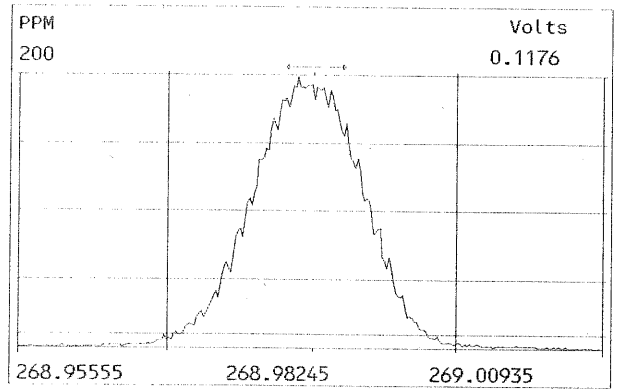


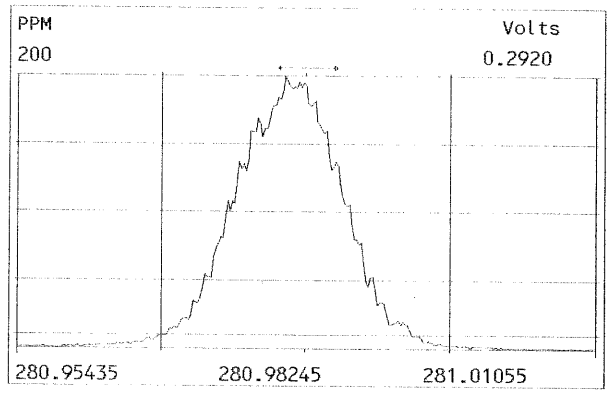


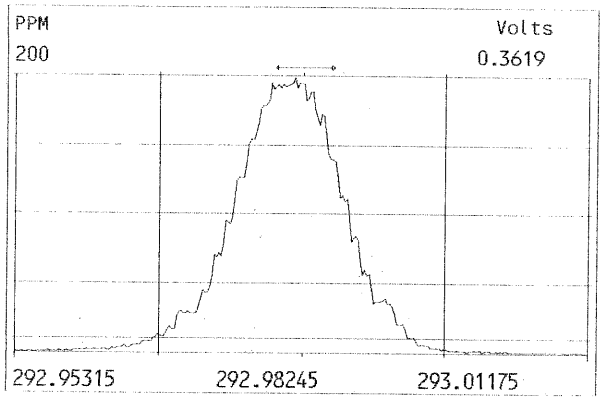


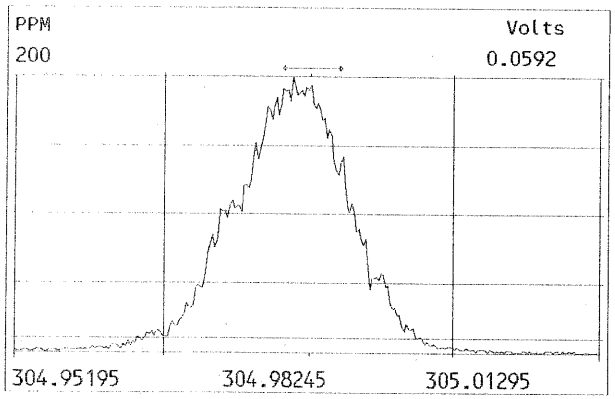
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

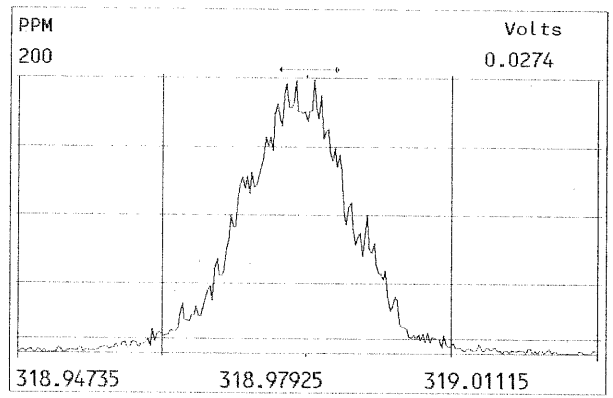


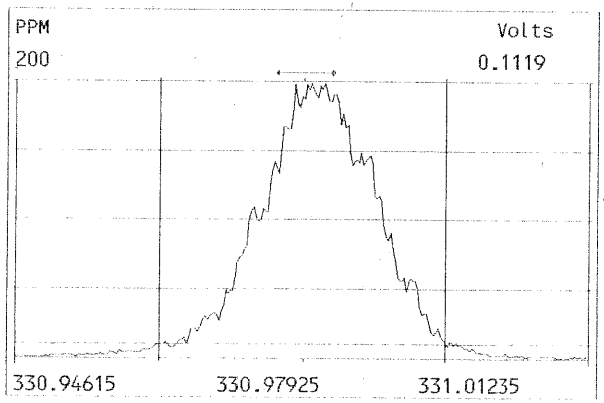


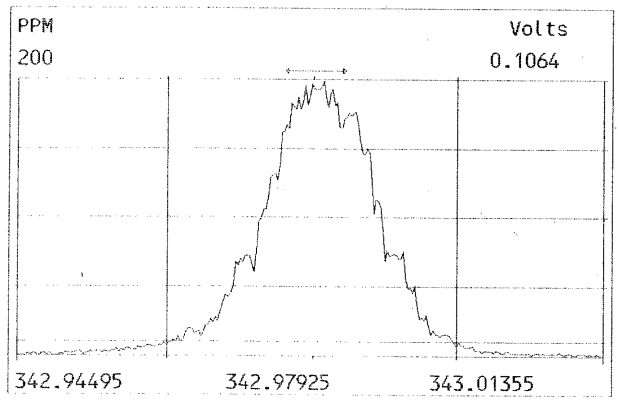




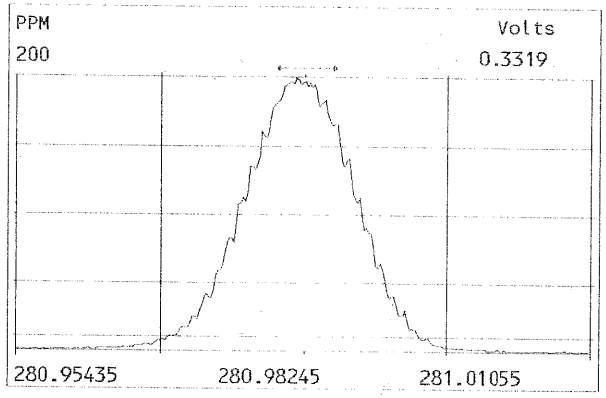


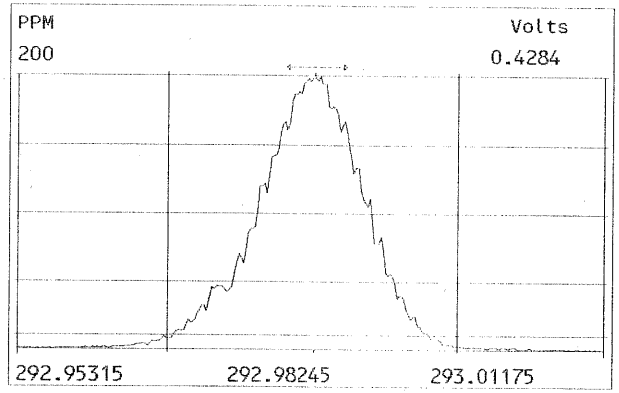


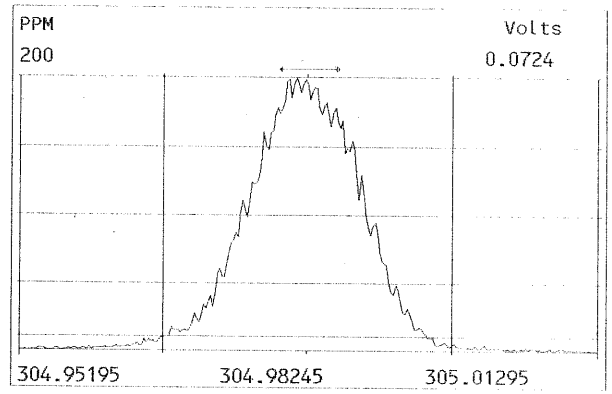


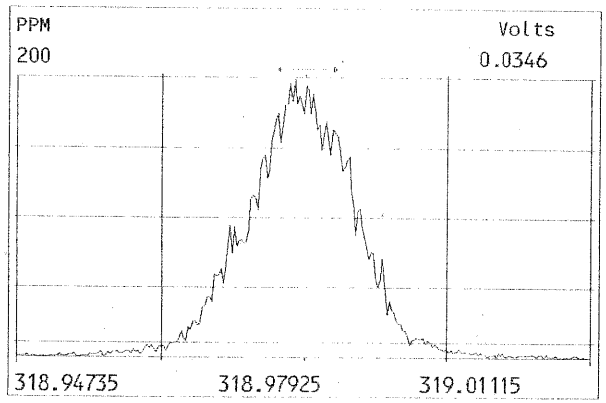


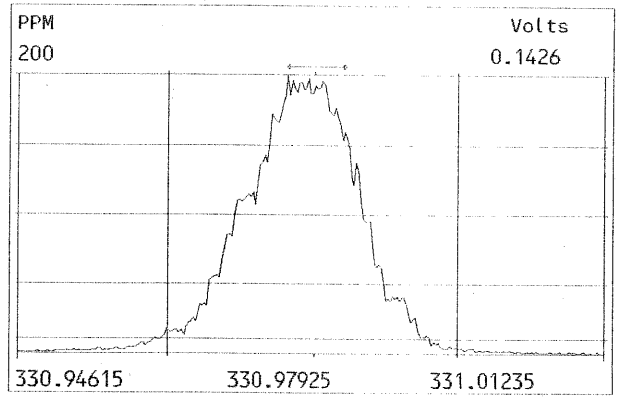
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

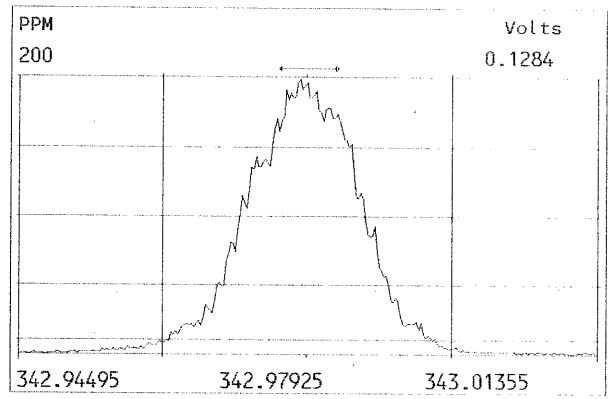


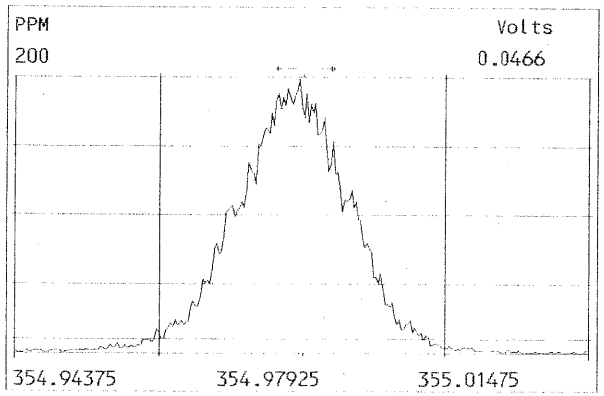


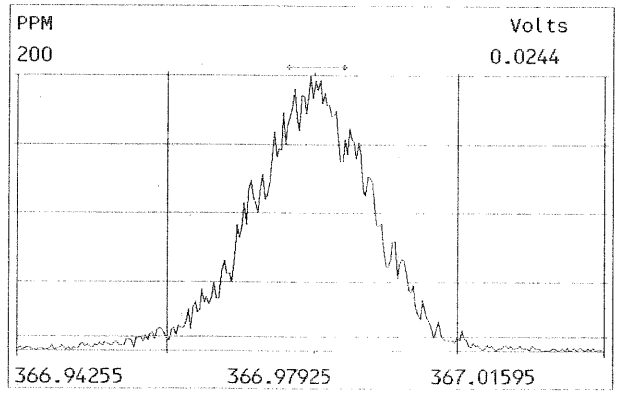


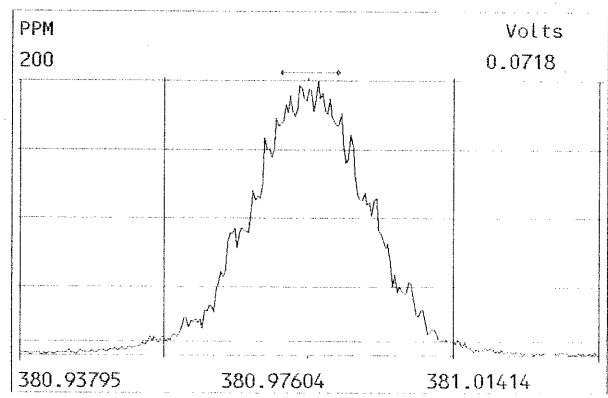




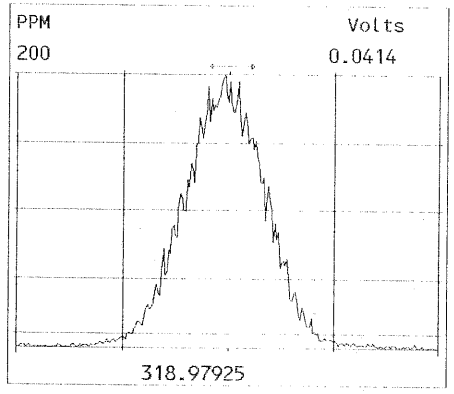


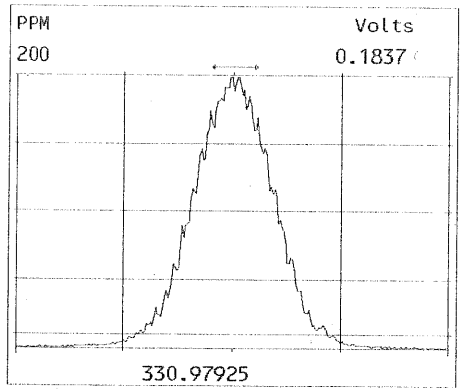


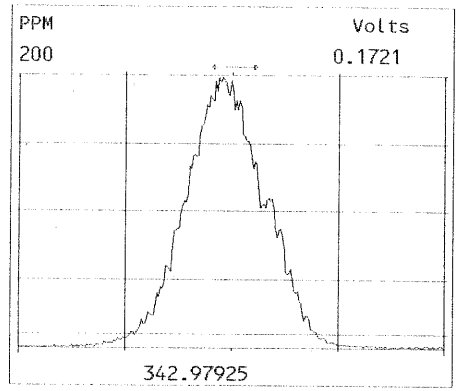


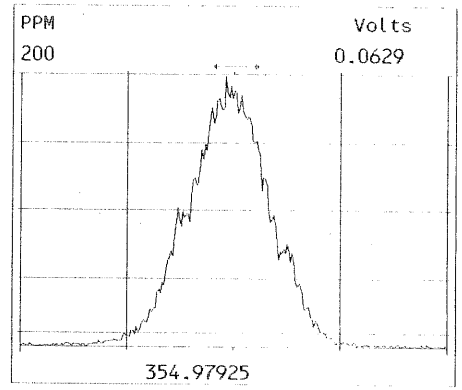


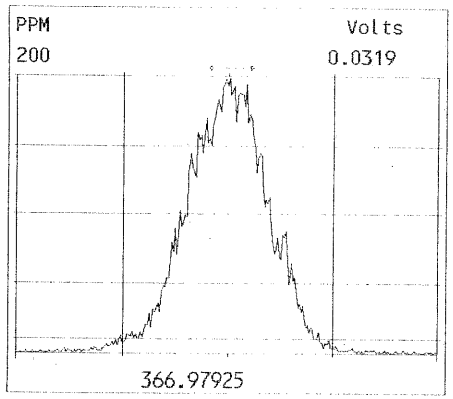
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

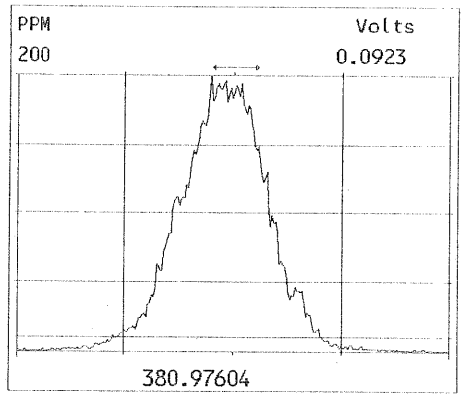


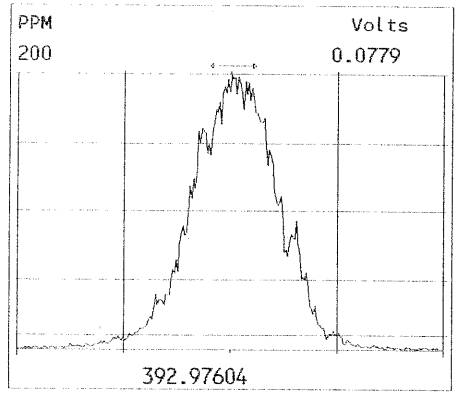


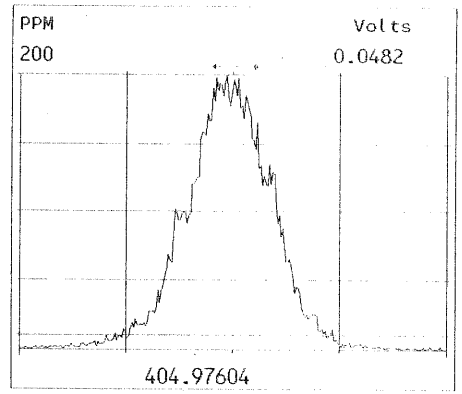


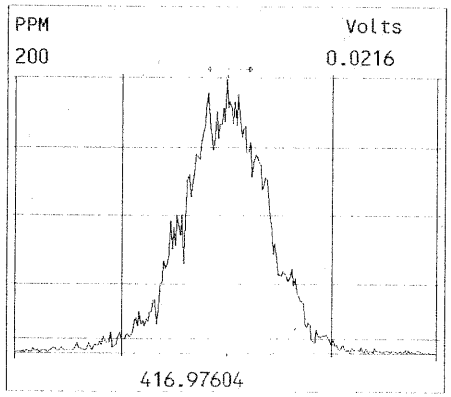


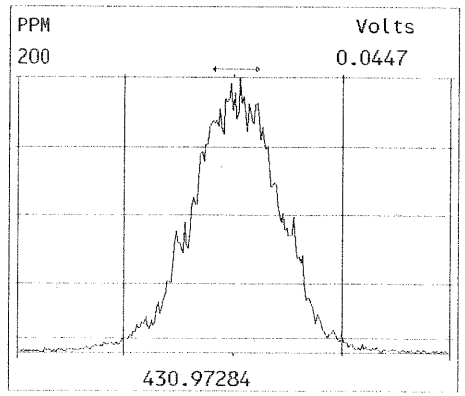


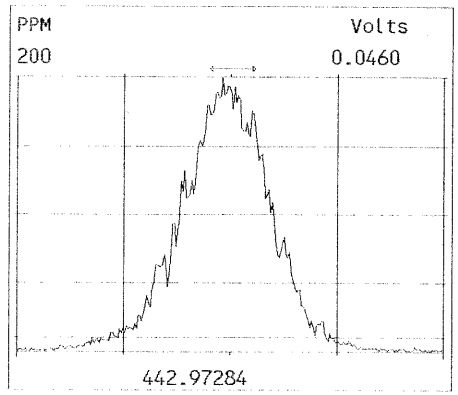




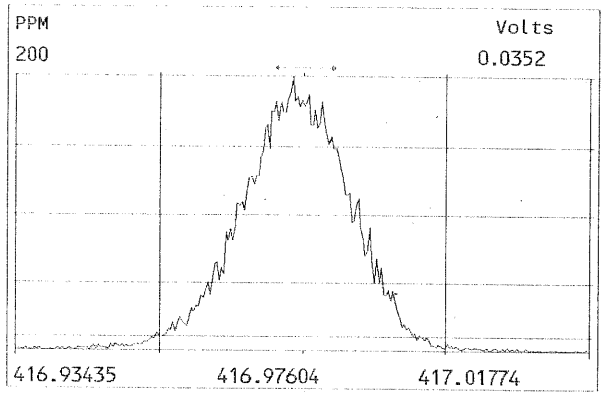


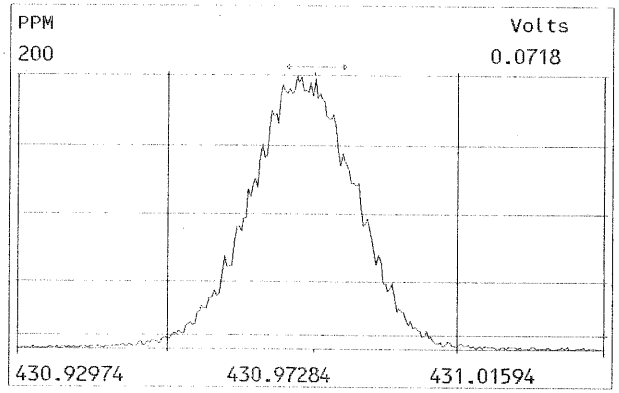


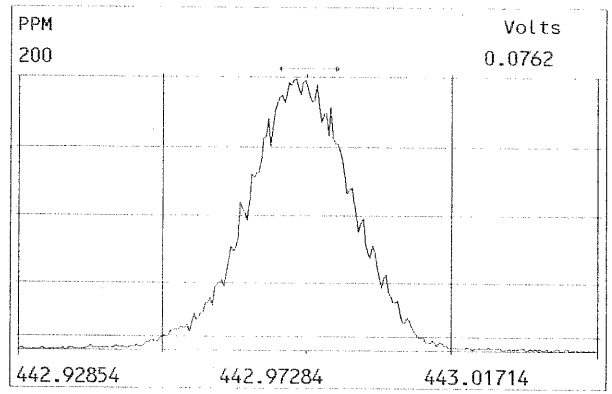


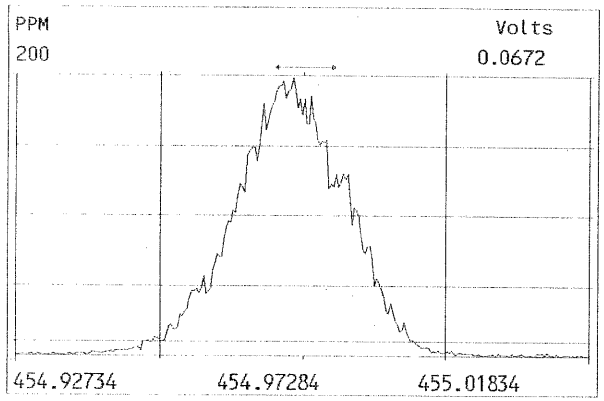


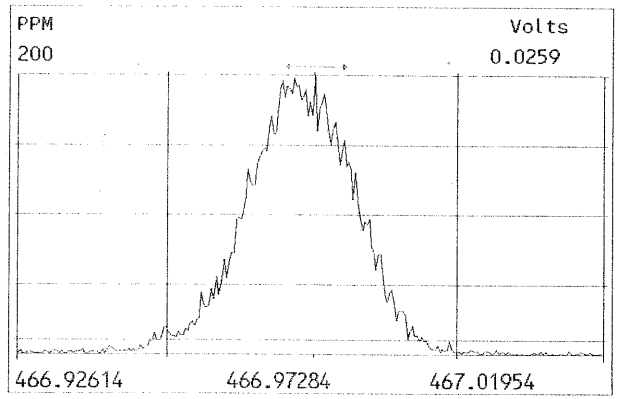
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:6 Reference:PFK

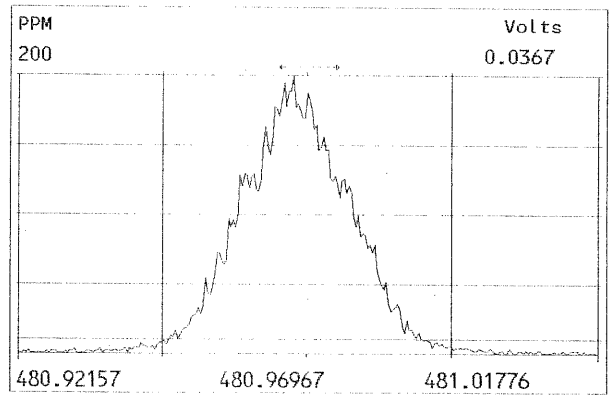


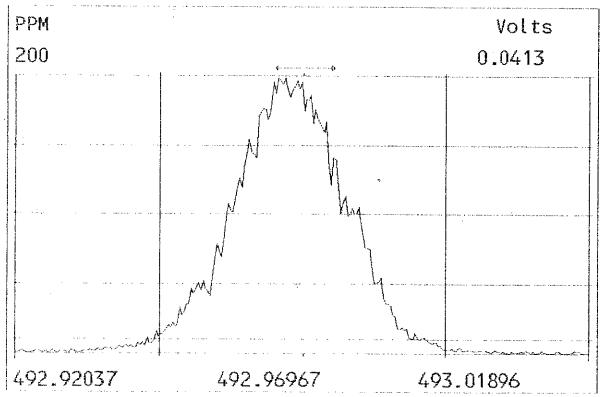


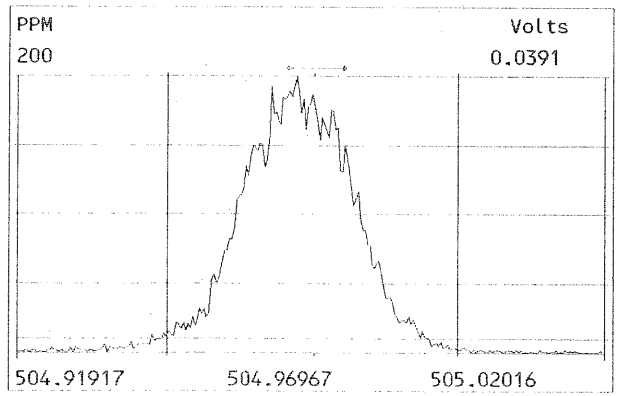


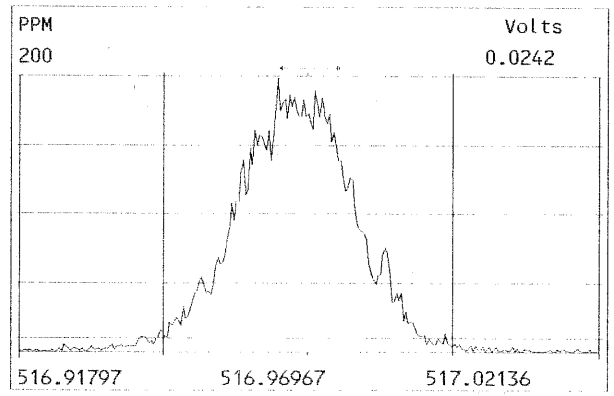




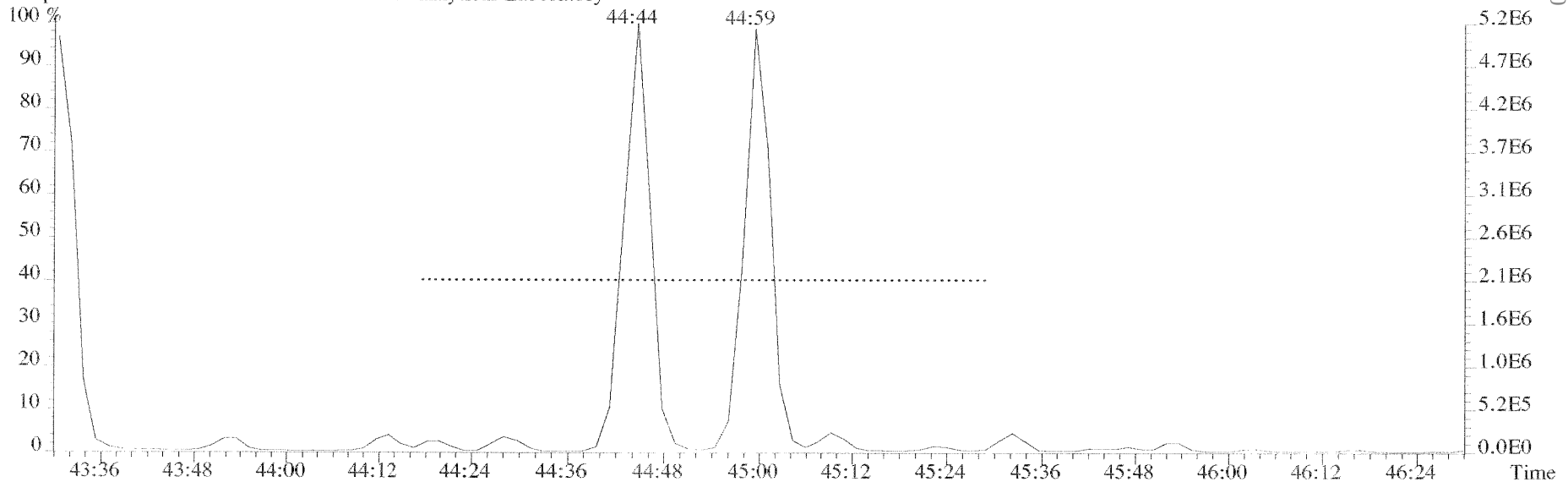




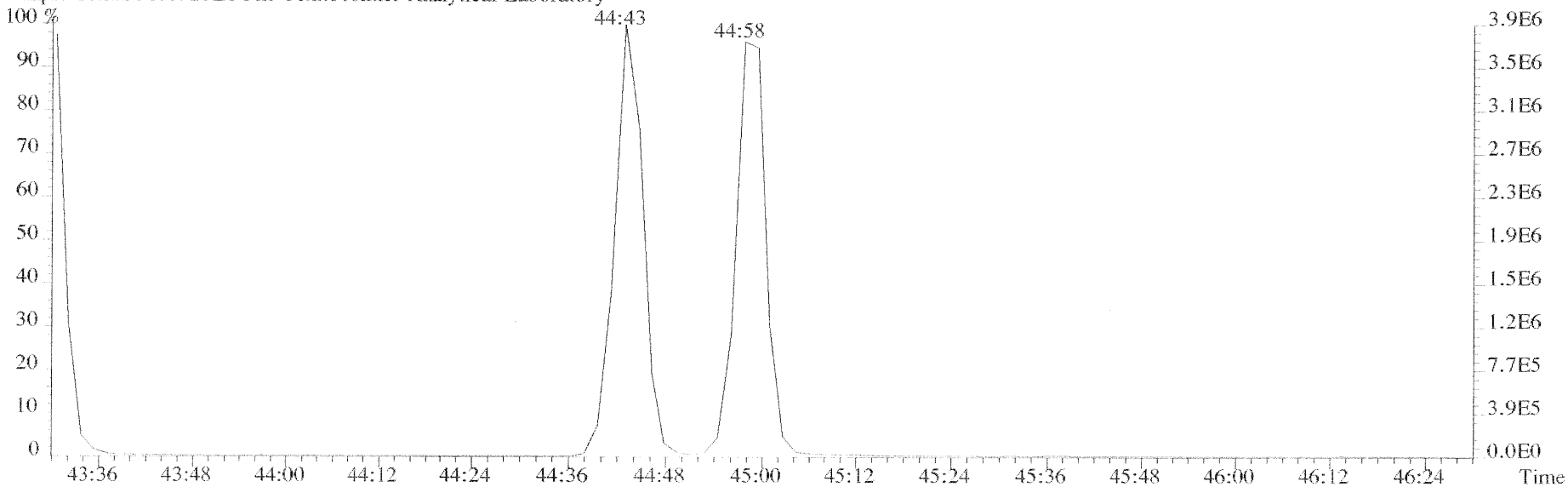




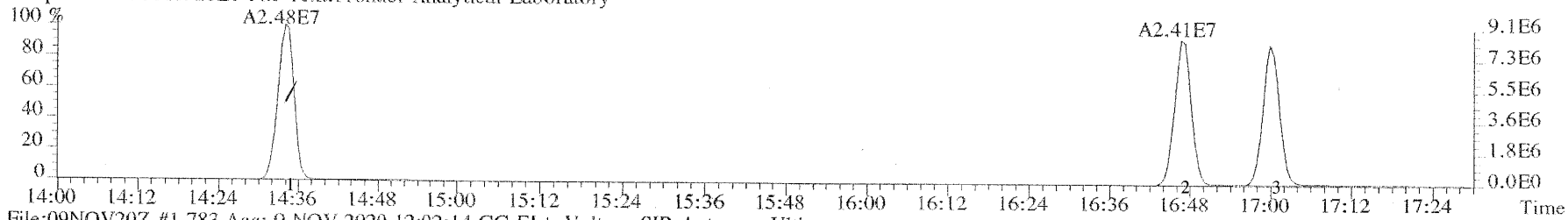
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



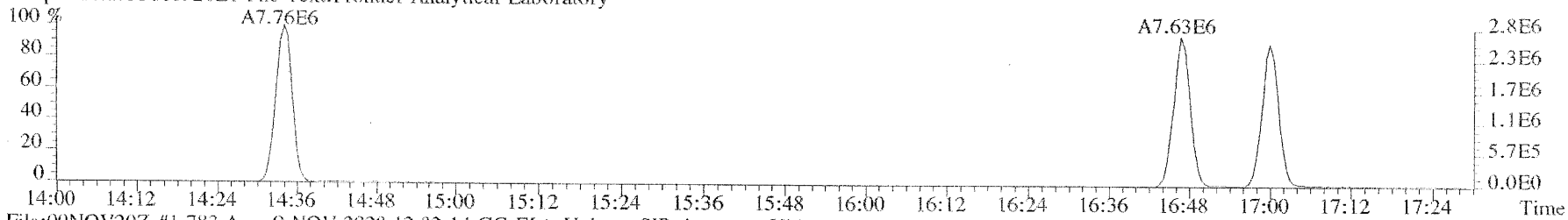
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



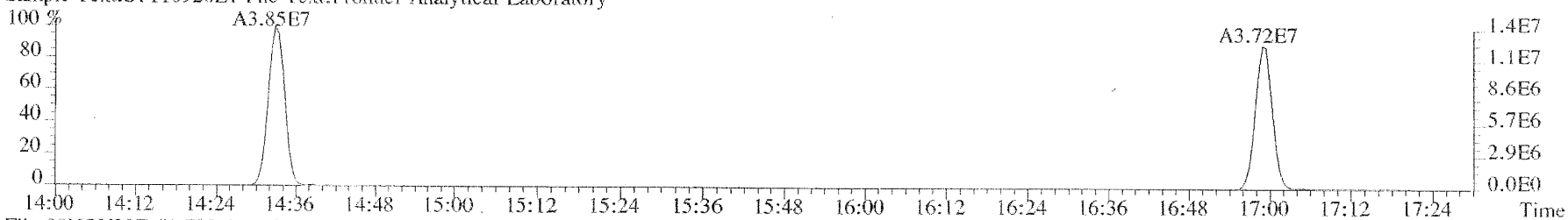
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
188.0393 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



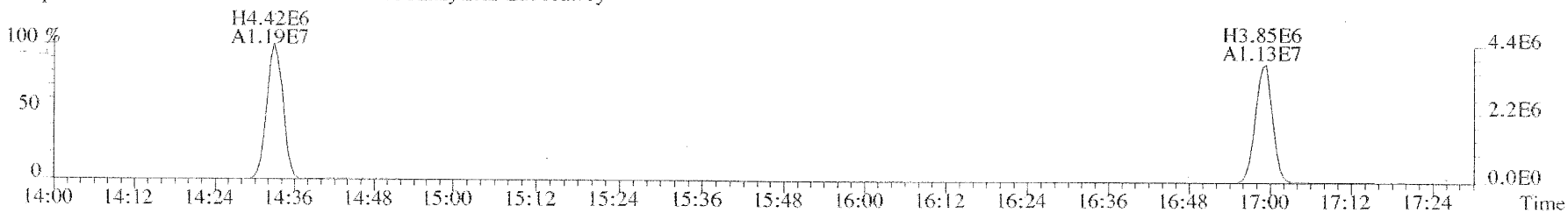
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
190.0363 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



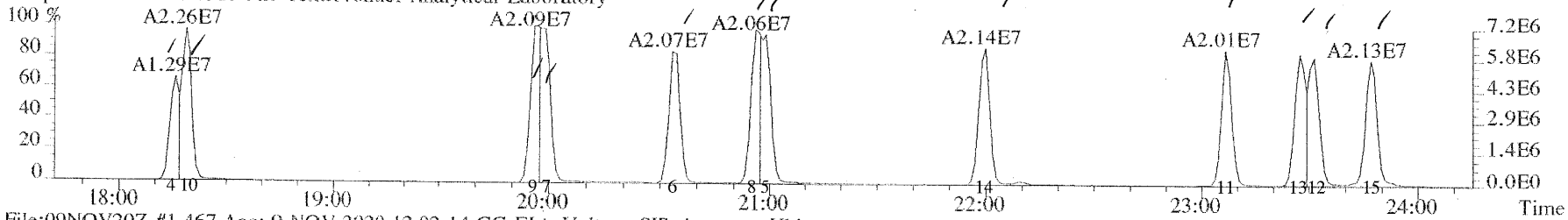
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
200.0795 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



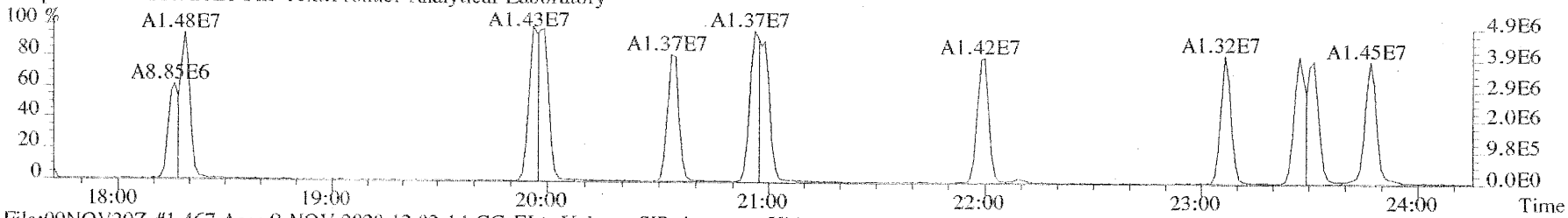
File:09NOV20Z #1-783 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
202.0766 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



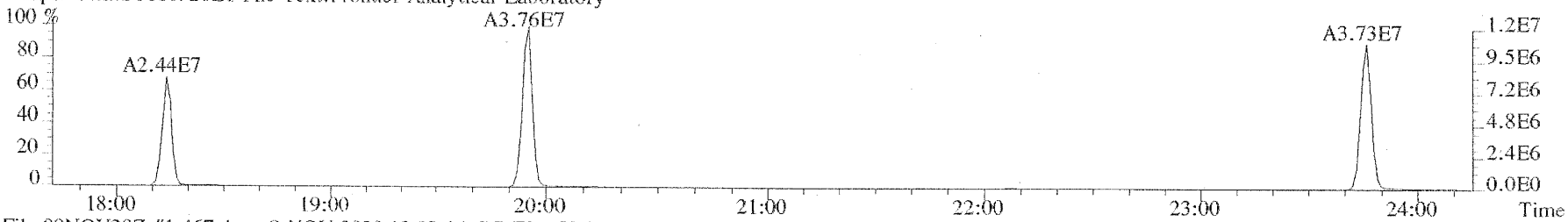
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
222.0003 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



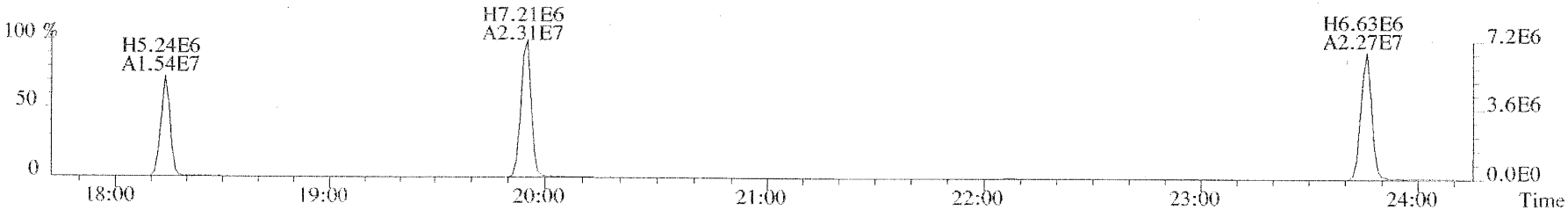
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
223.9975 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



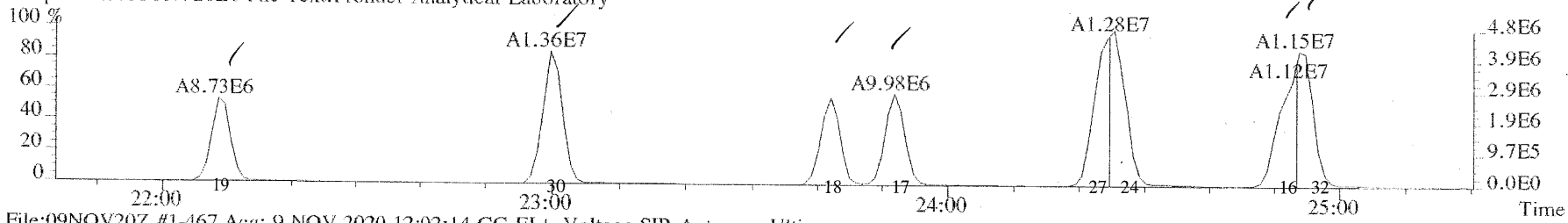
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
234.0406 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



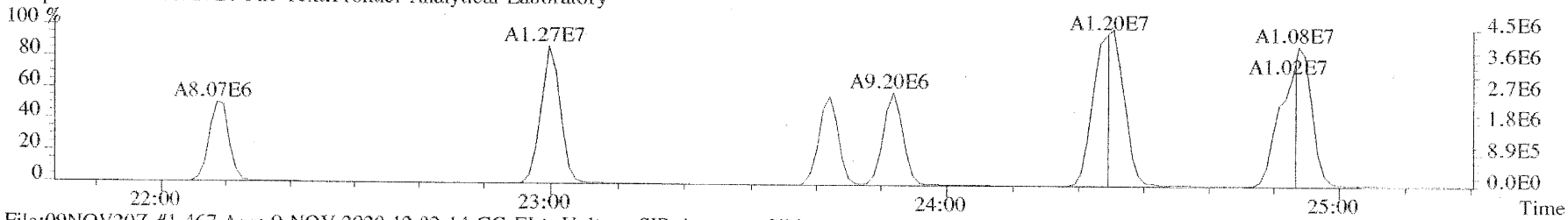
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
236.0376 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



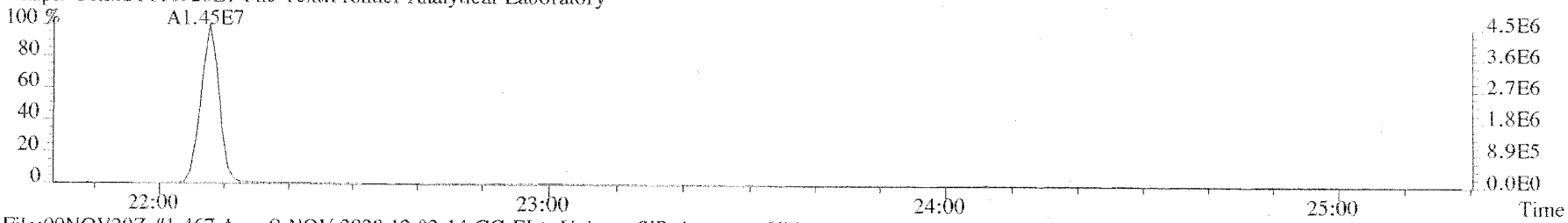
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



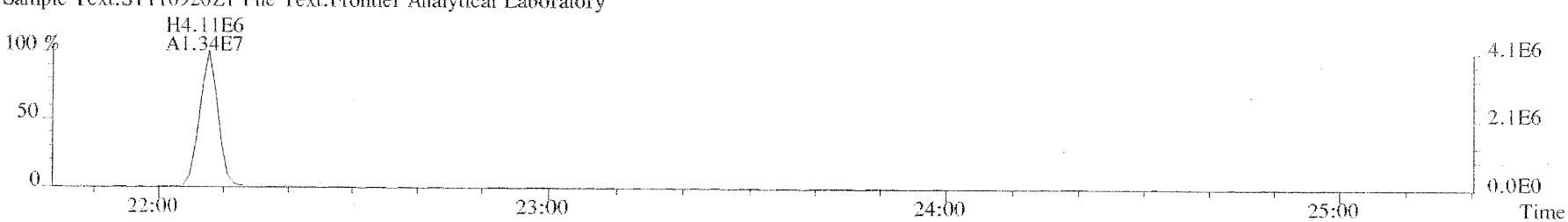
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



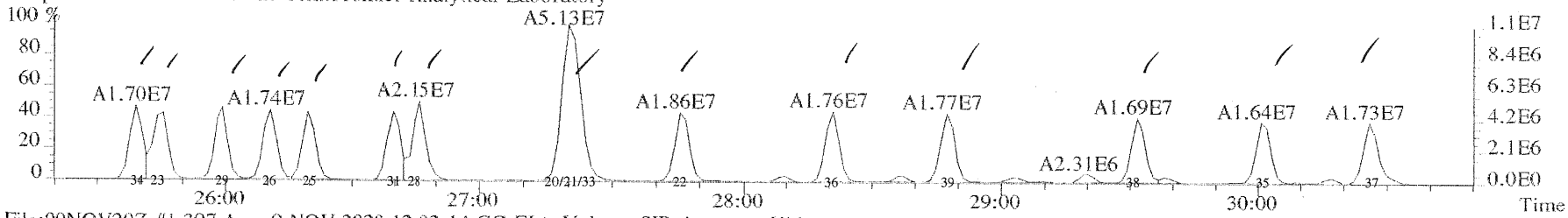
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



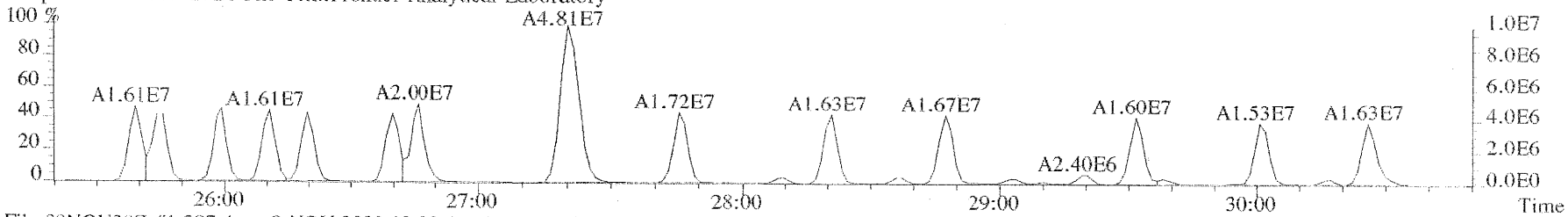
File:09NOV20Z #1-467 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:2 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



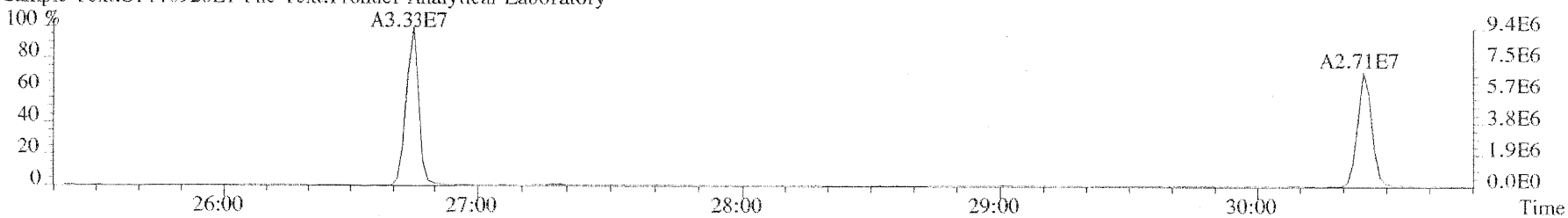
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
255.9613 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



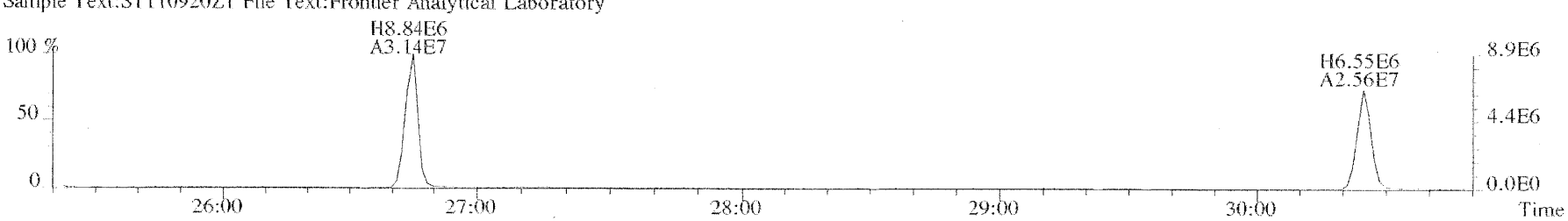
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
257.9584 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



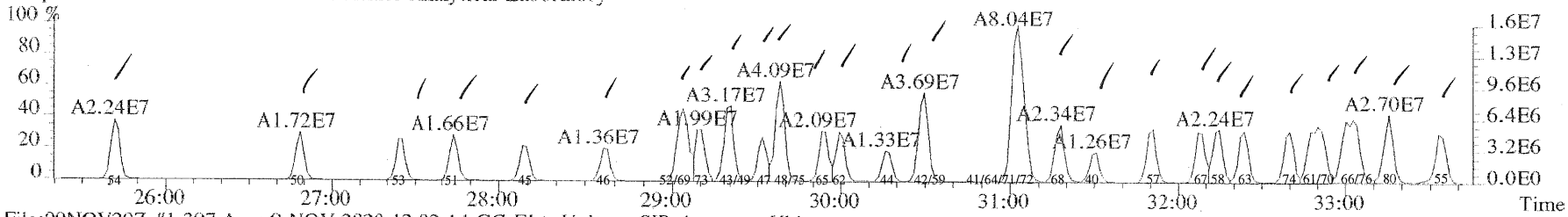
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
268.0016 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



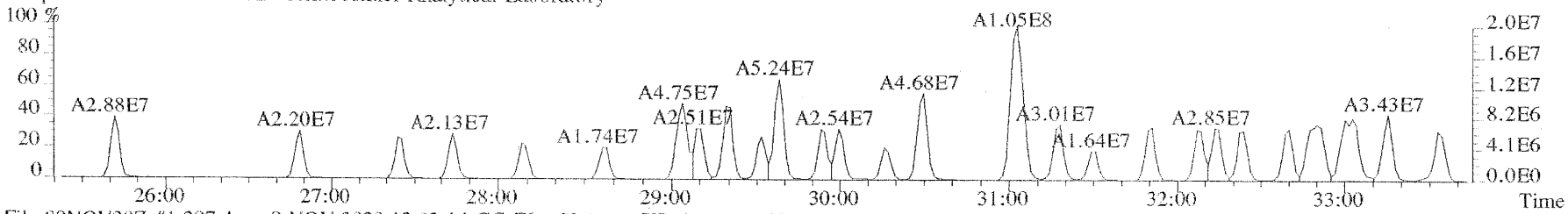
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
269.9986 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



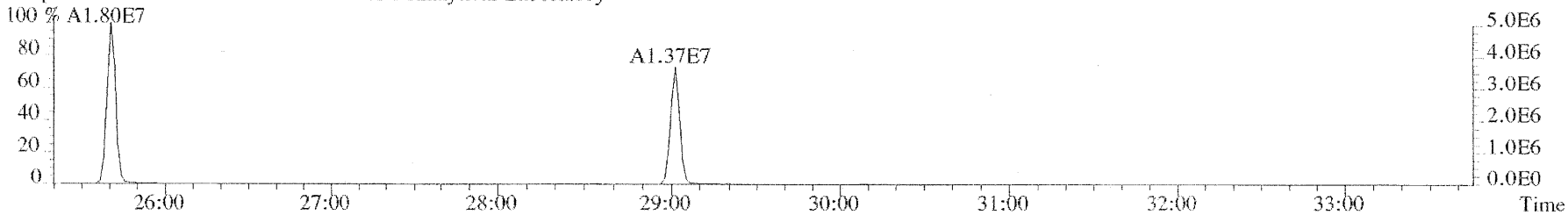
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



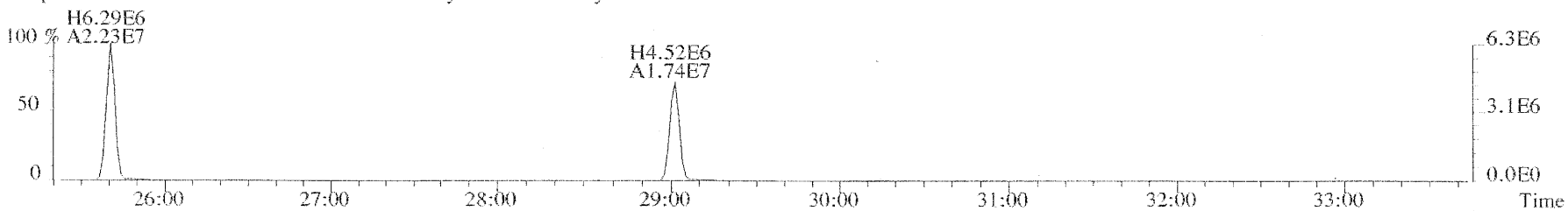
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



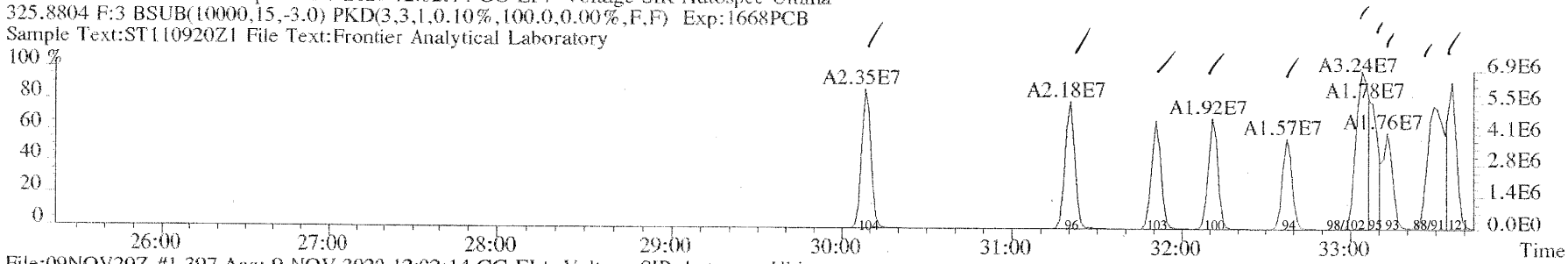
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



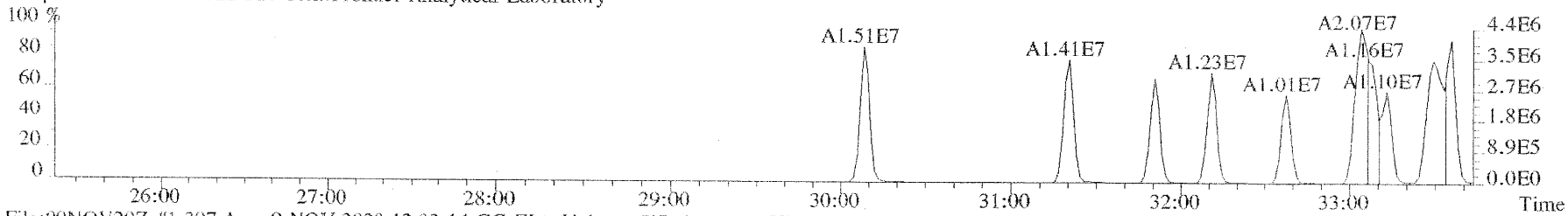
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



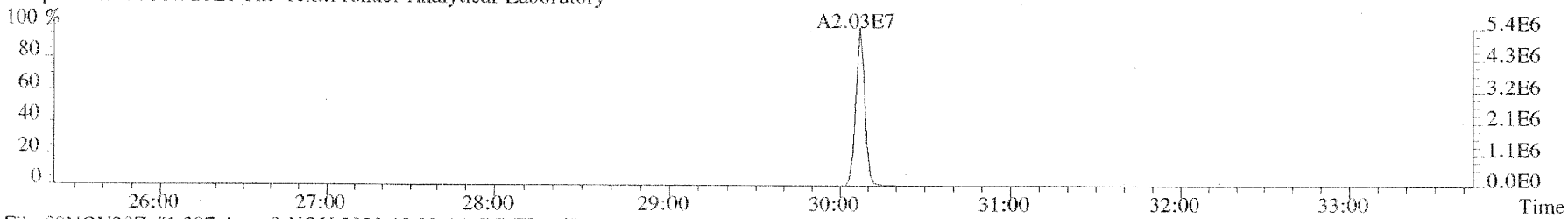
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



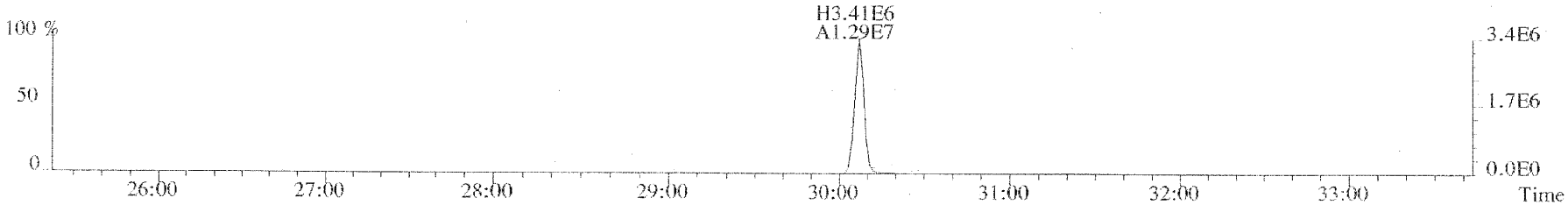
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



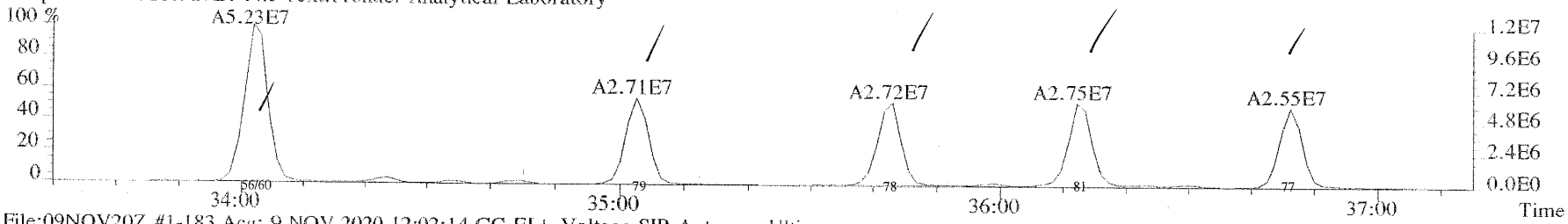
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



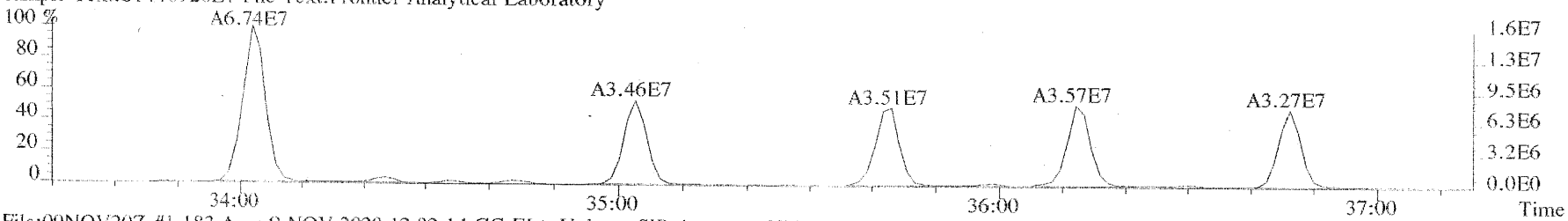
File:09NOV20Z #1-397 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:3 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



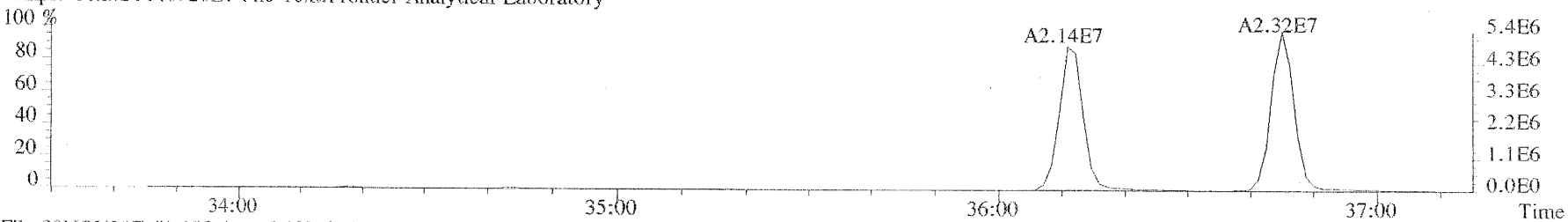
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
289.9224 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



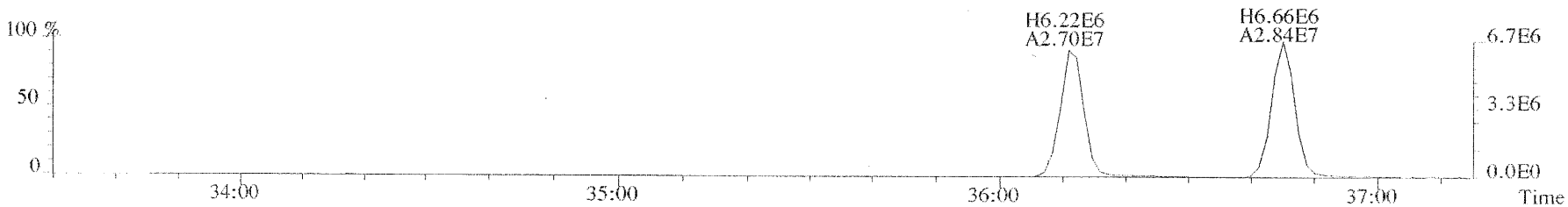
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
291.9194 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



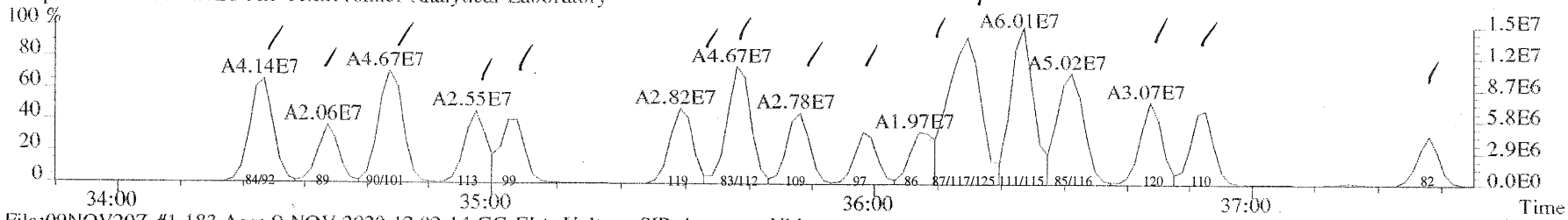
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
301.9626 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



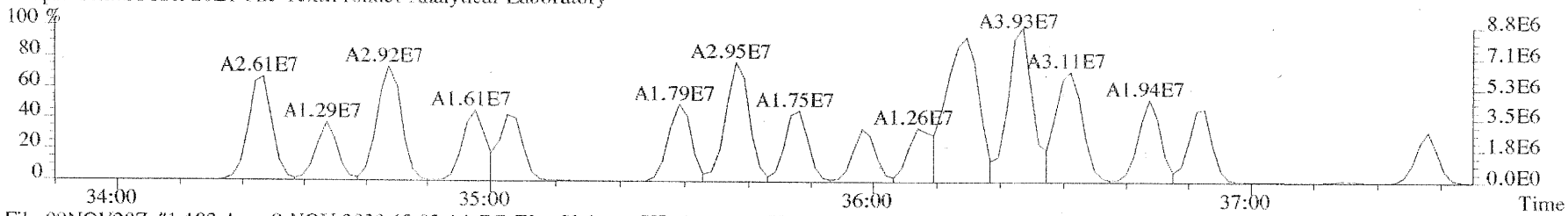
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
303.9597 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



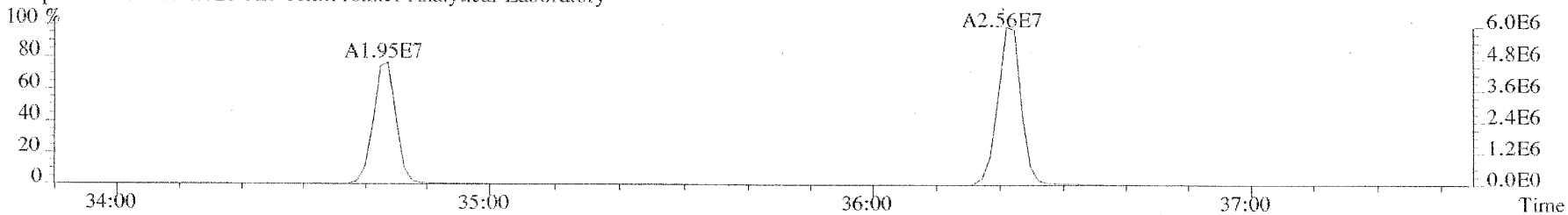
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



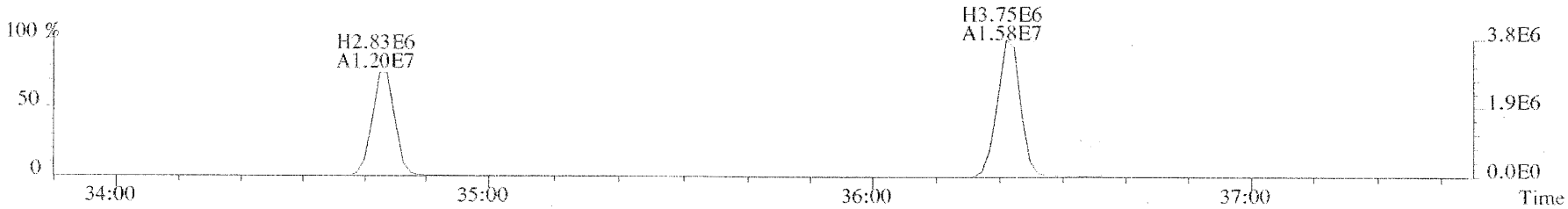
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



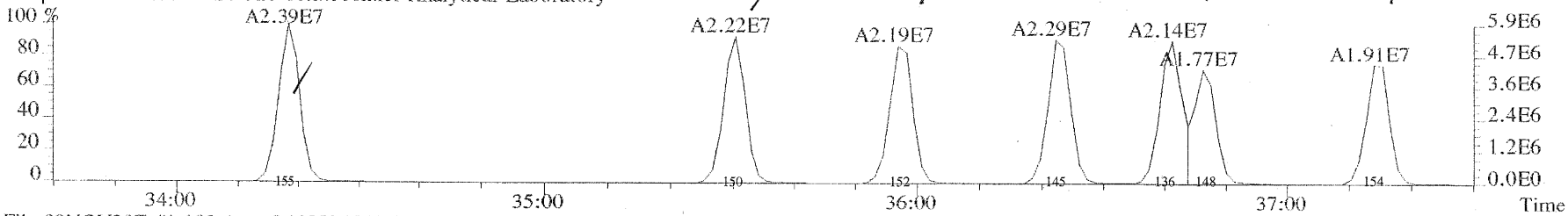
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



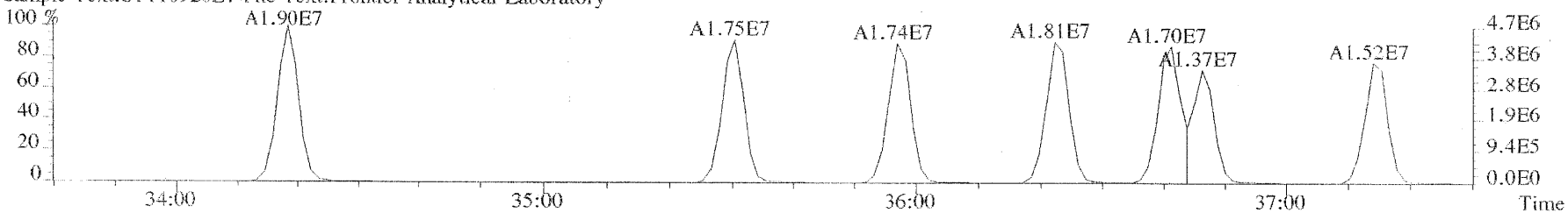
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



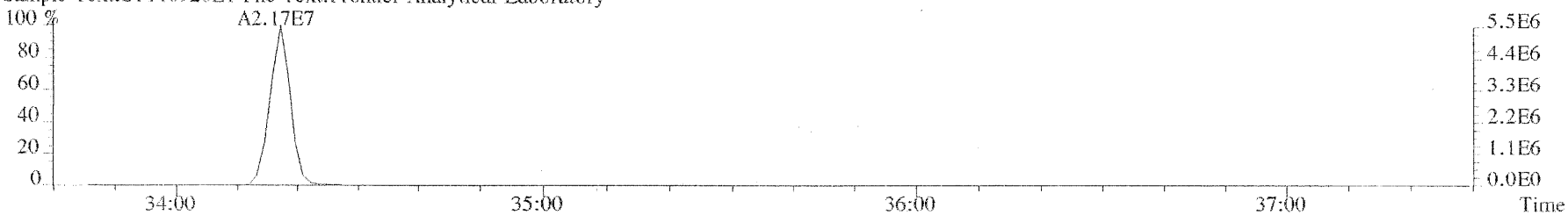
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



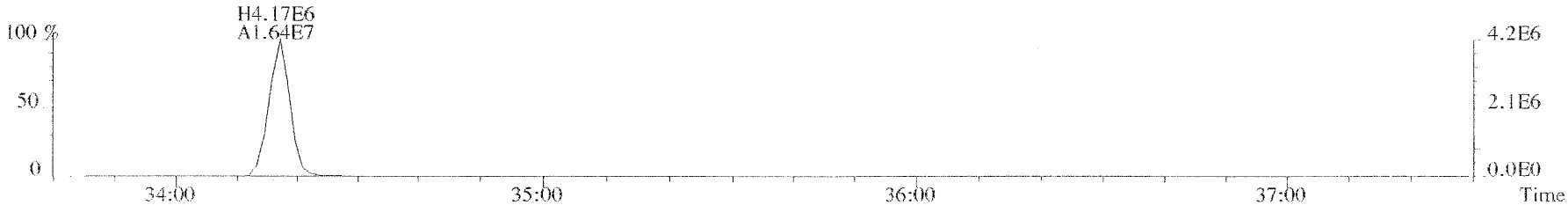
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



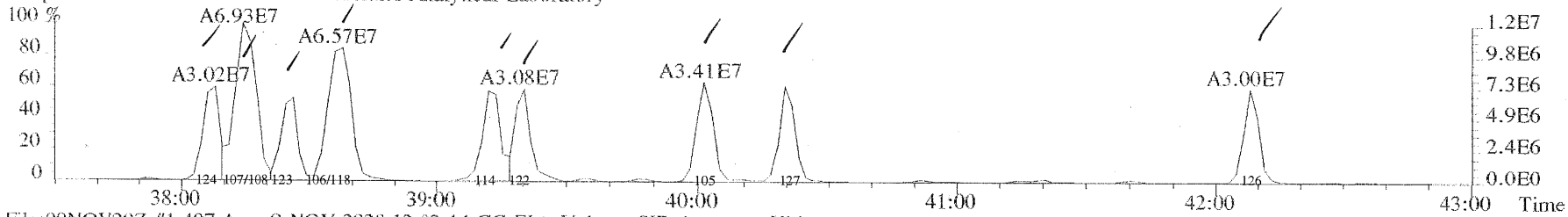
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



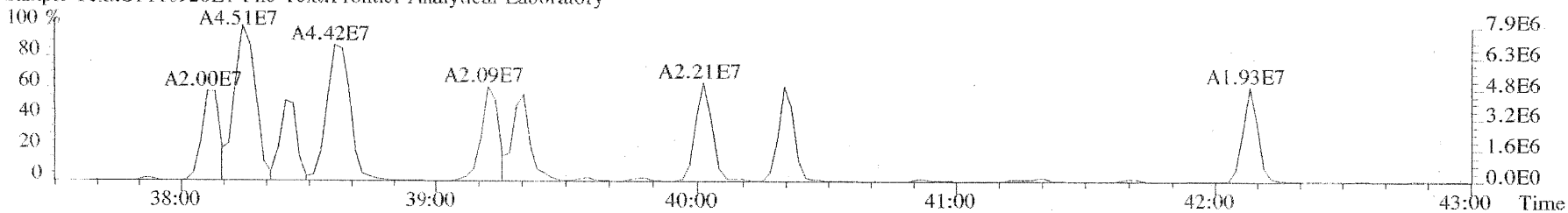
File:09NOV20Z #1-183 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



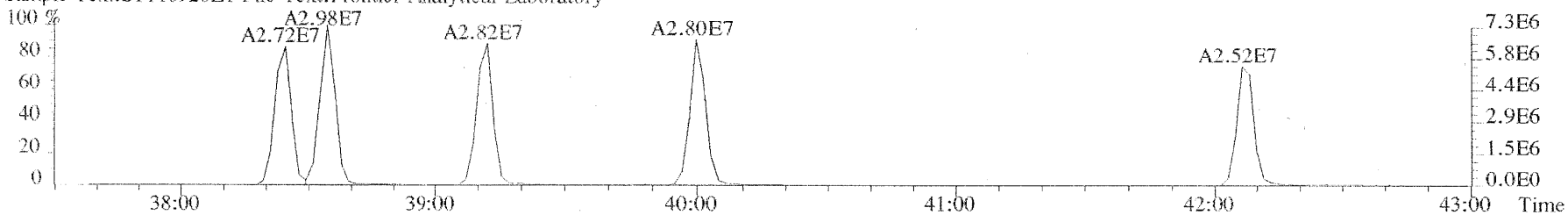
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
325.8804 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



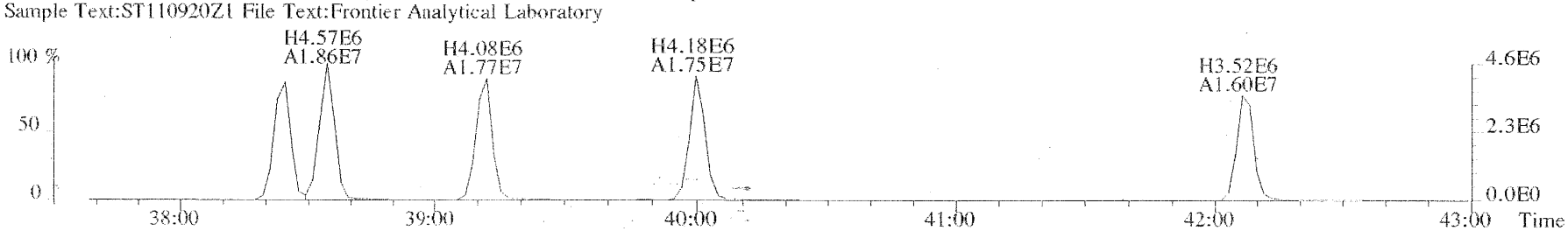
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
327.8775 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



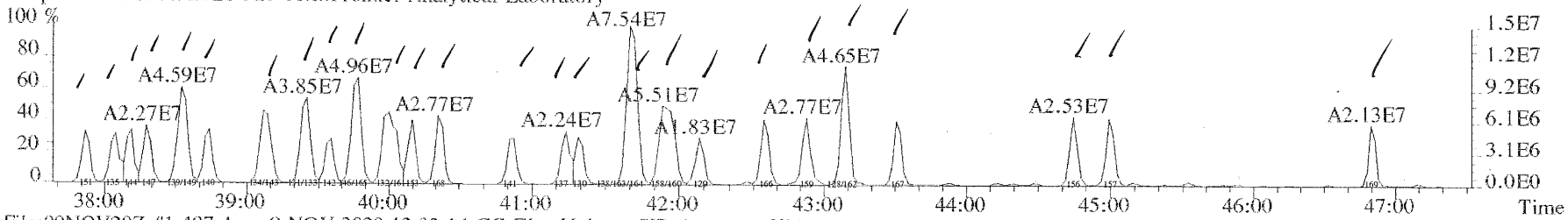
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
337.9207 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



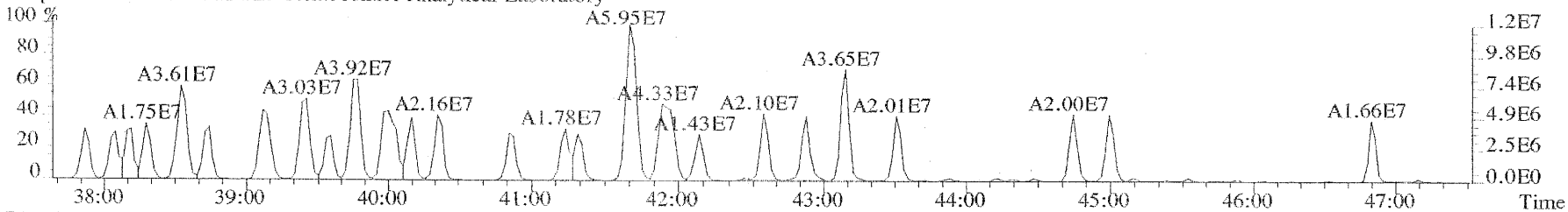
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
339.9178 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



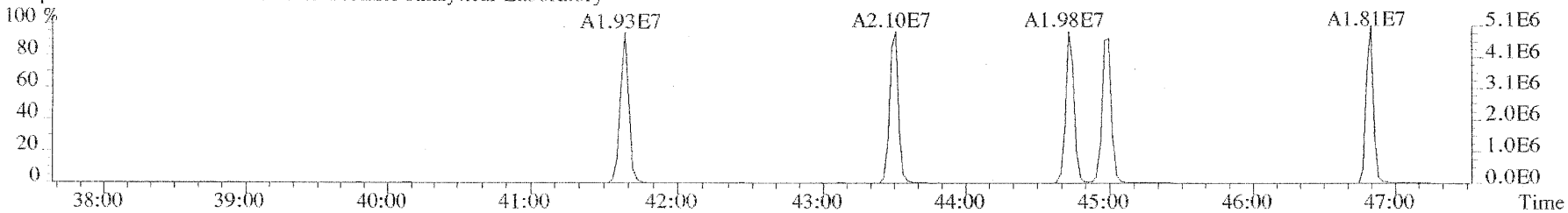
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
359.8415 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



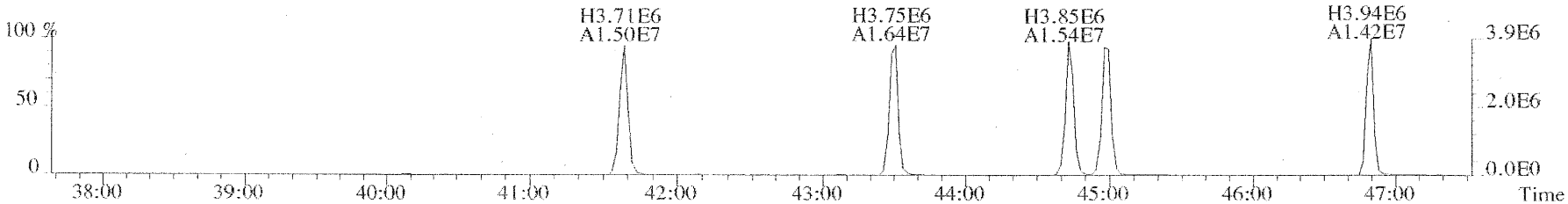
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
361.8385 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



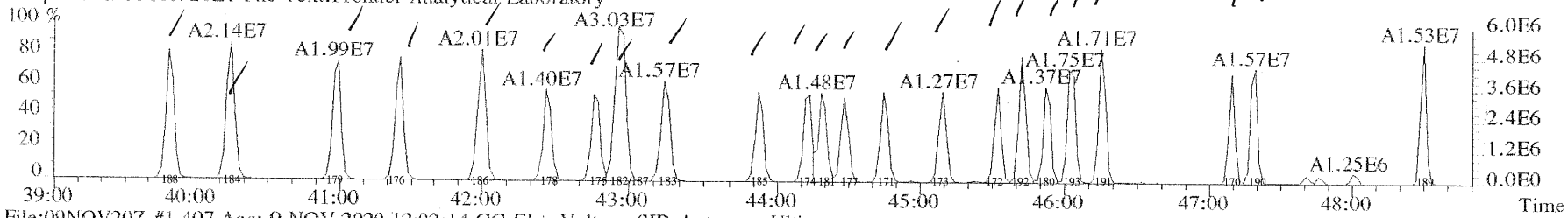
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
371.8817 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



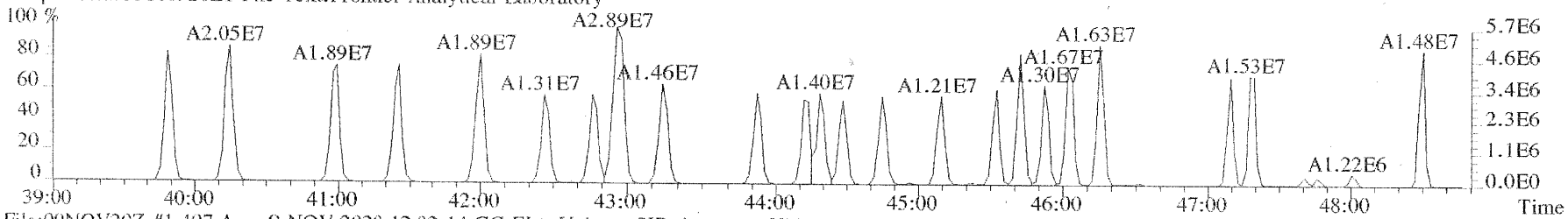
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
373.8788 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



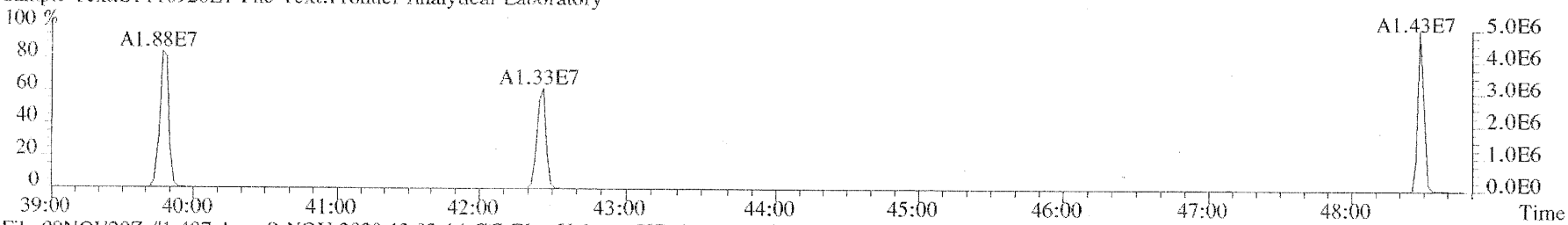
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
393.8025 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



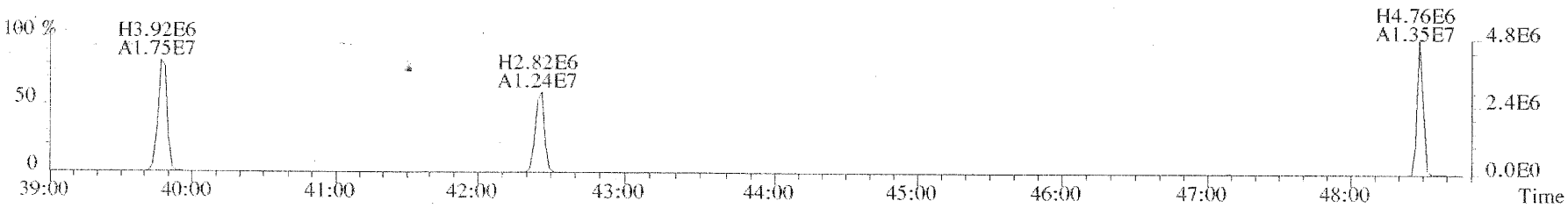
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
395.7995 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



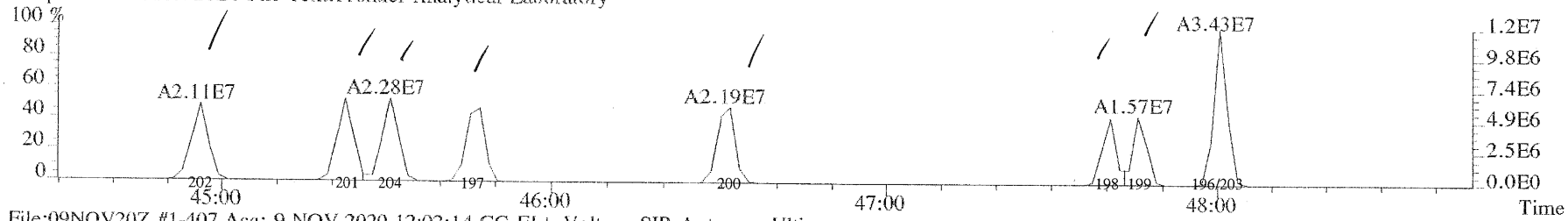
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
405.8428 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



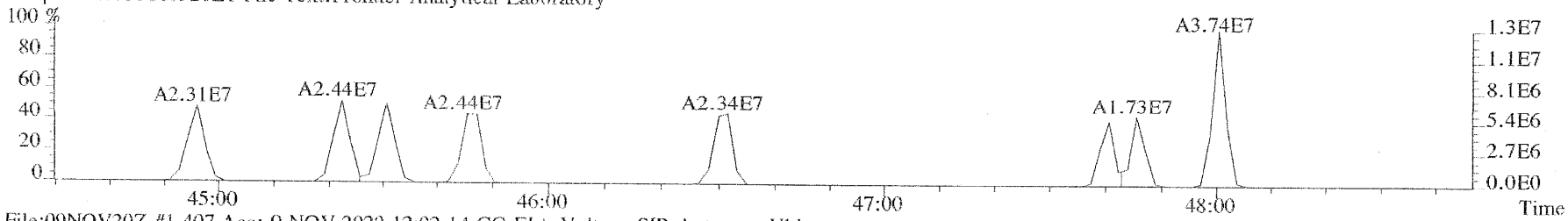
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
407.8398 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



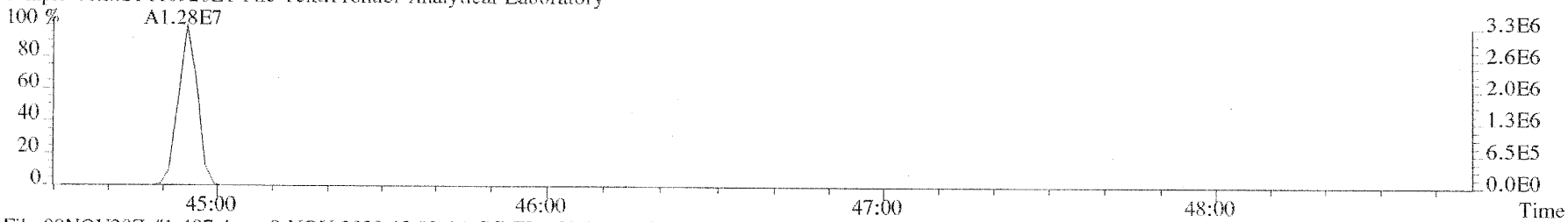
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



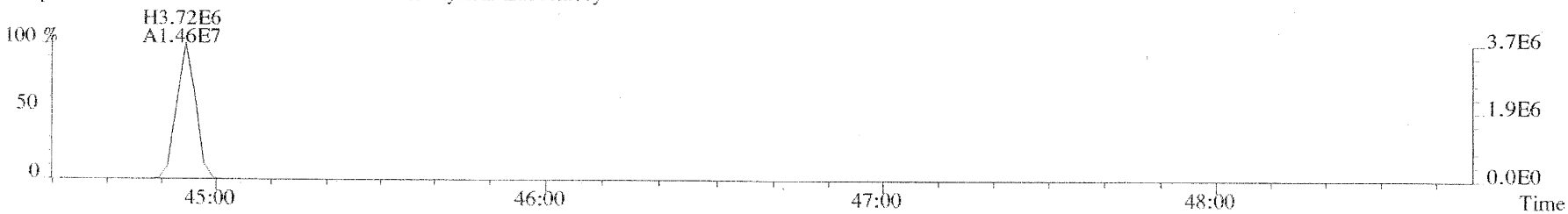
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



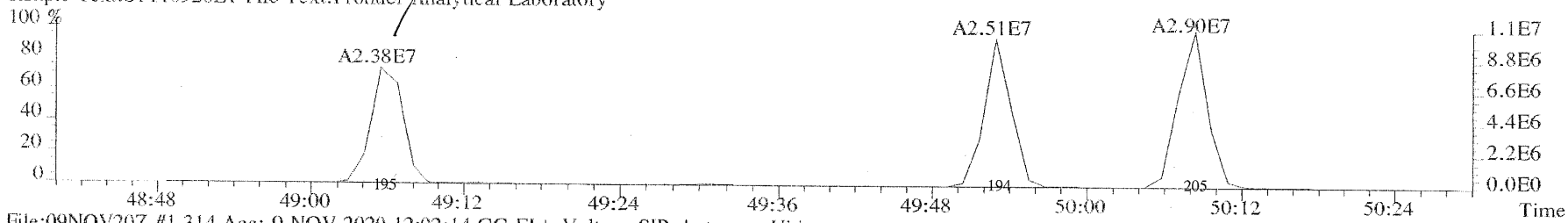
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



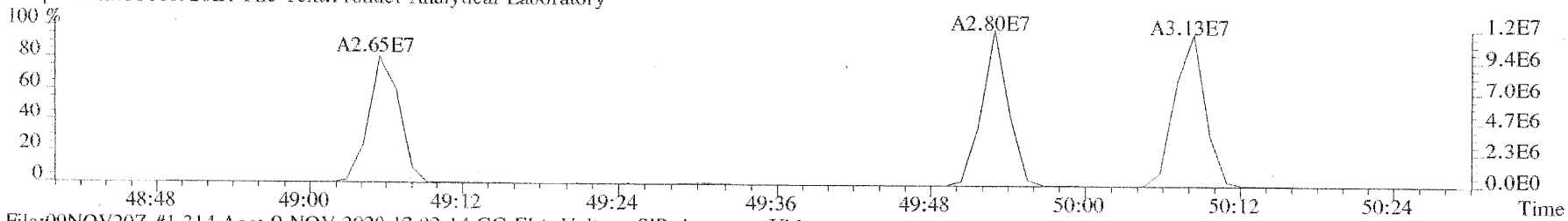
File:09NOV20Z #1-407 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:5 BSUB(10000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



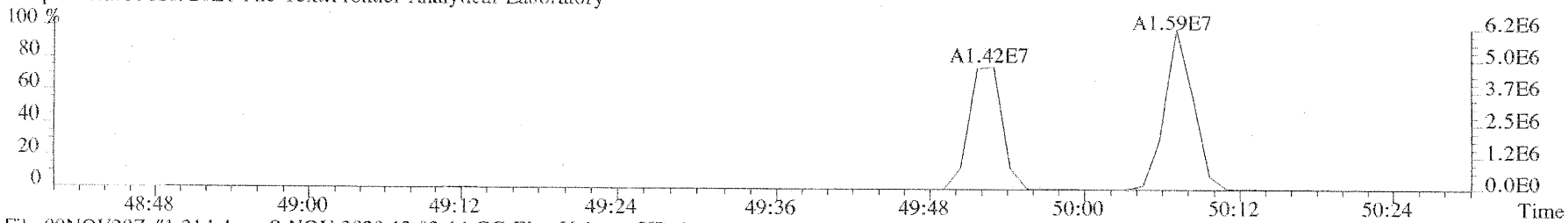
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
427.7635 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



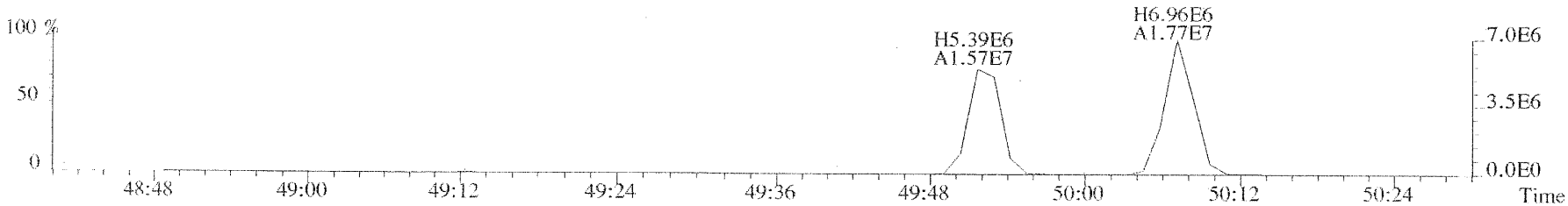
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
429.7606 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



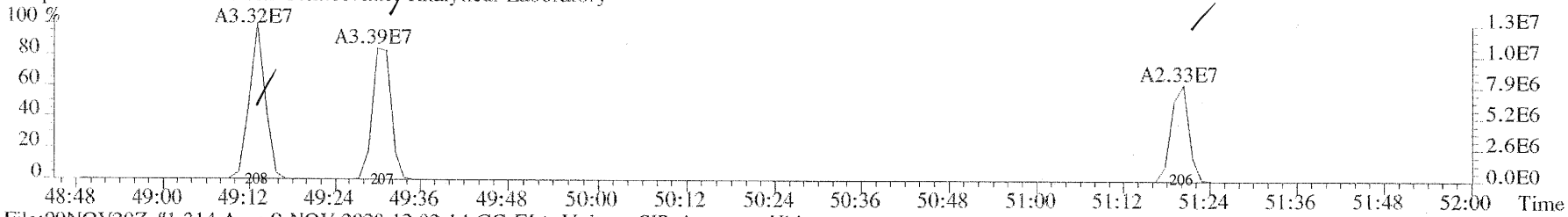
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
439.8038 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



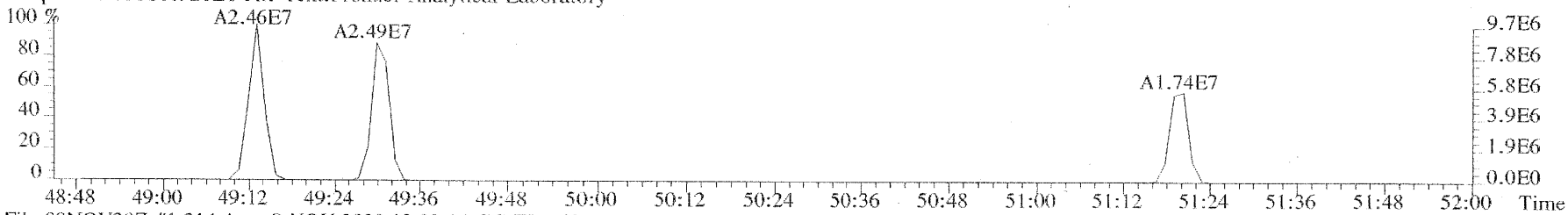
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
441.8008 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



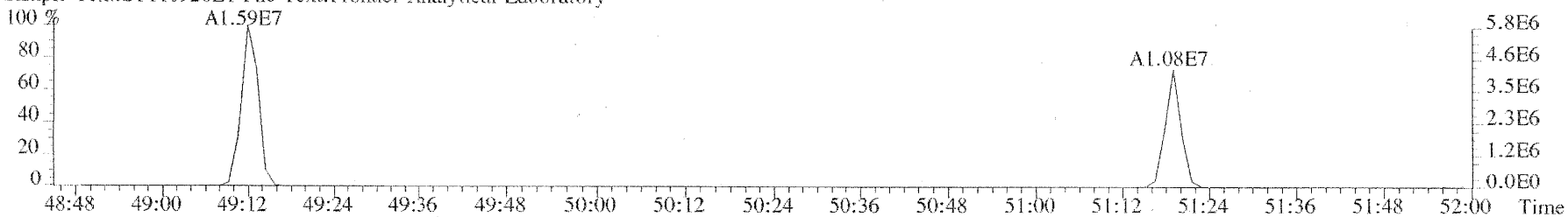
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
463.7216 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



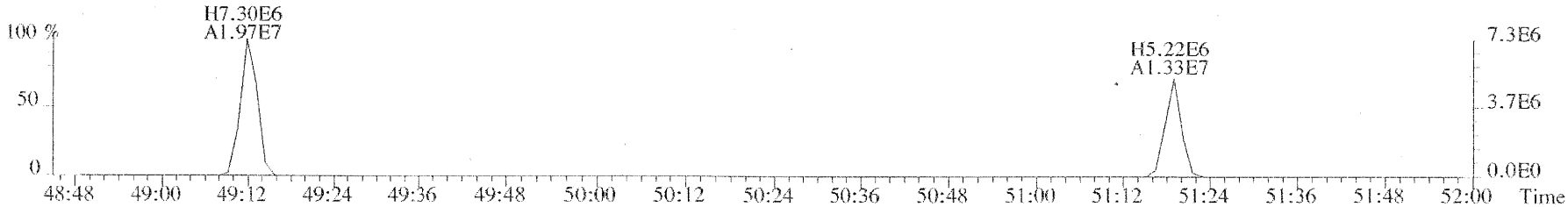
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
465.7187 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



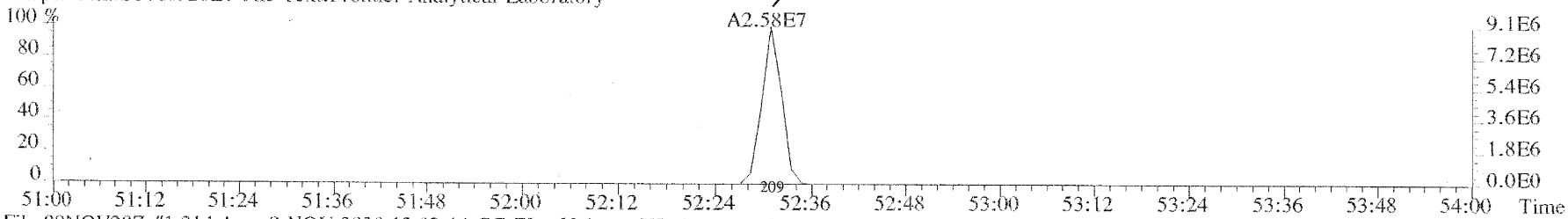
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
473.7648 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



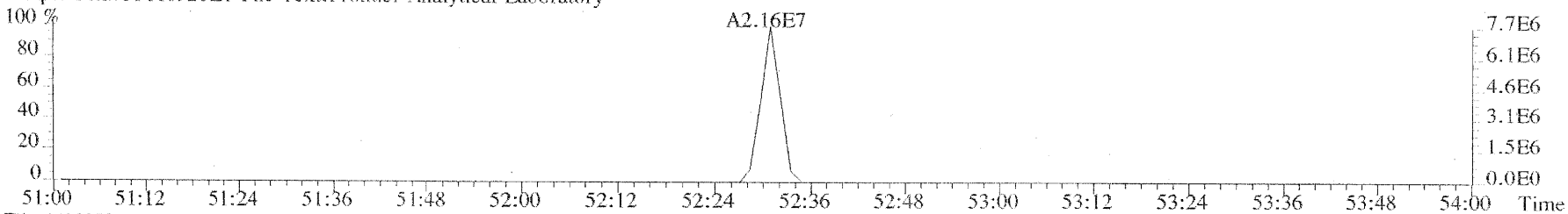
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
475.7619 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



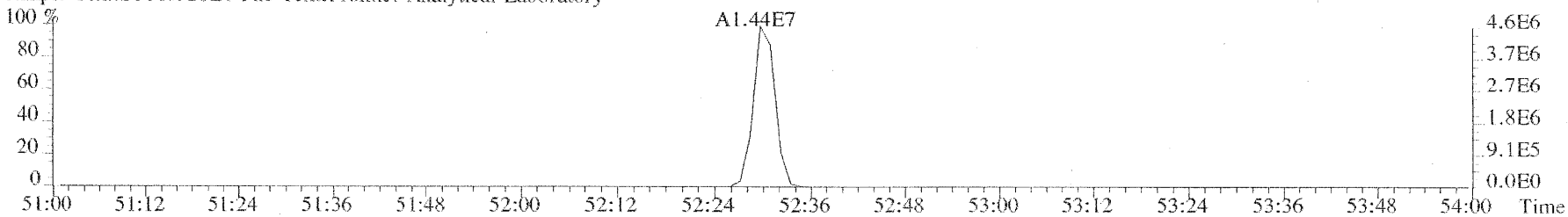
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
497.6826 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



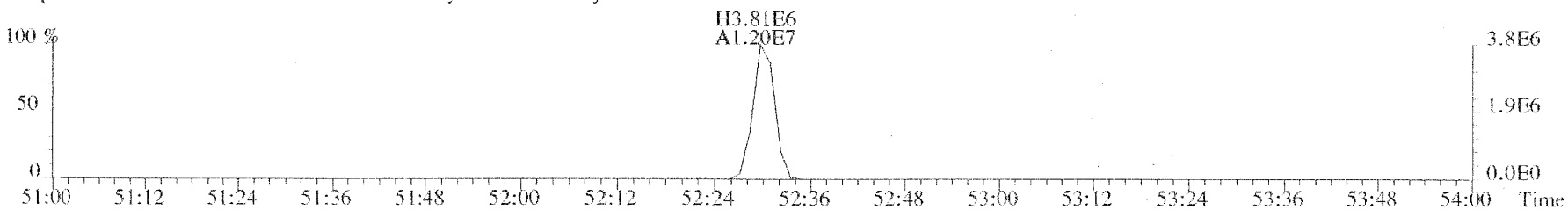
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
499.6797 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



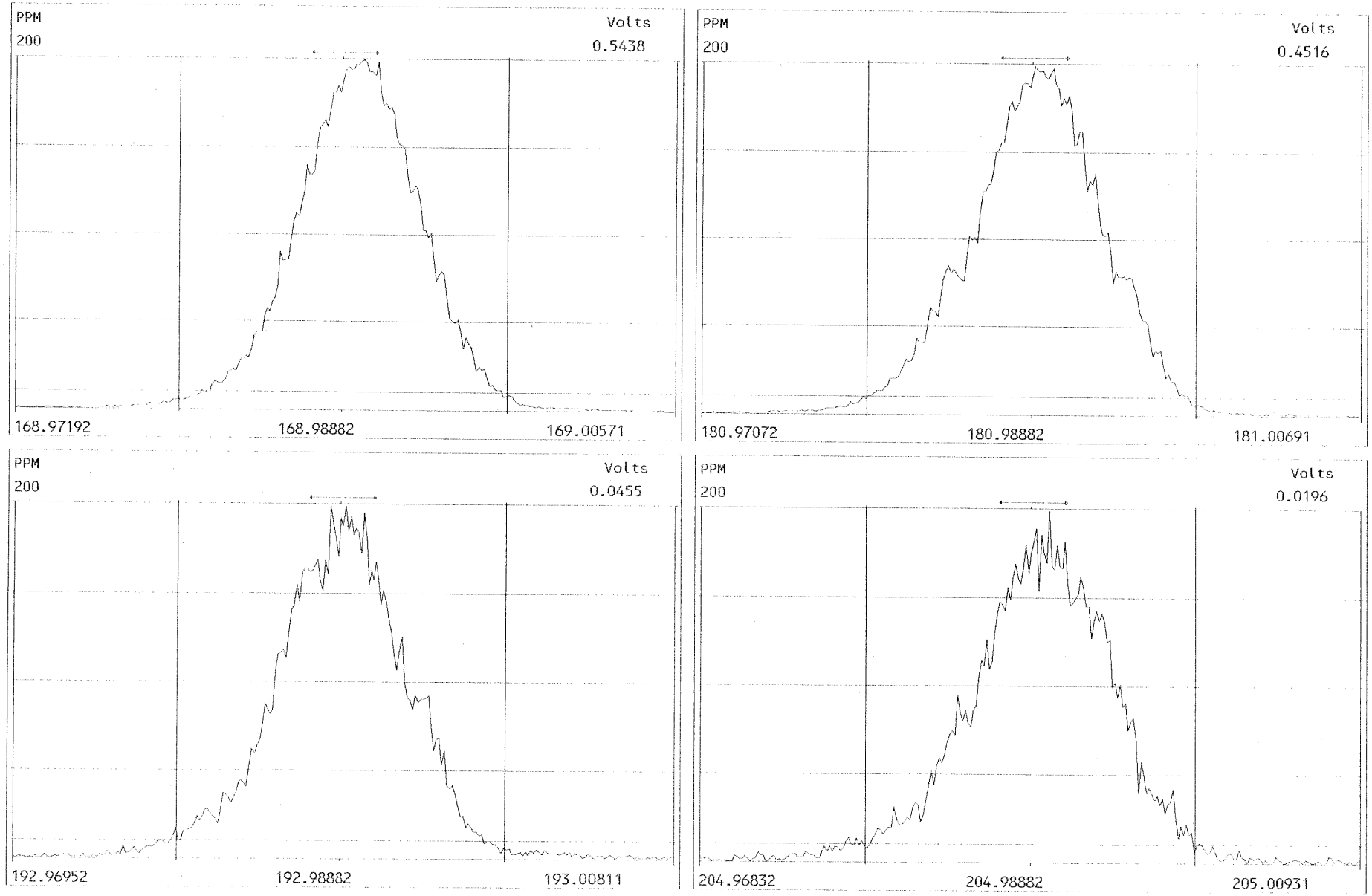
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
509.7229 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



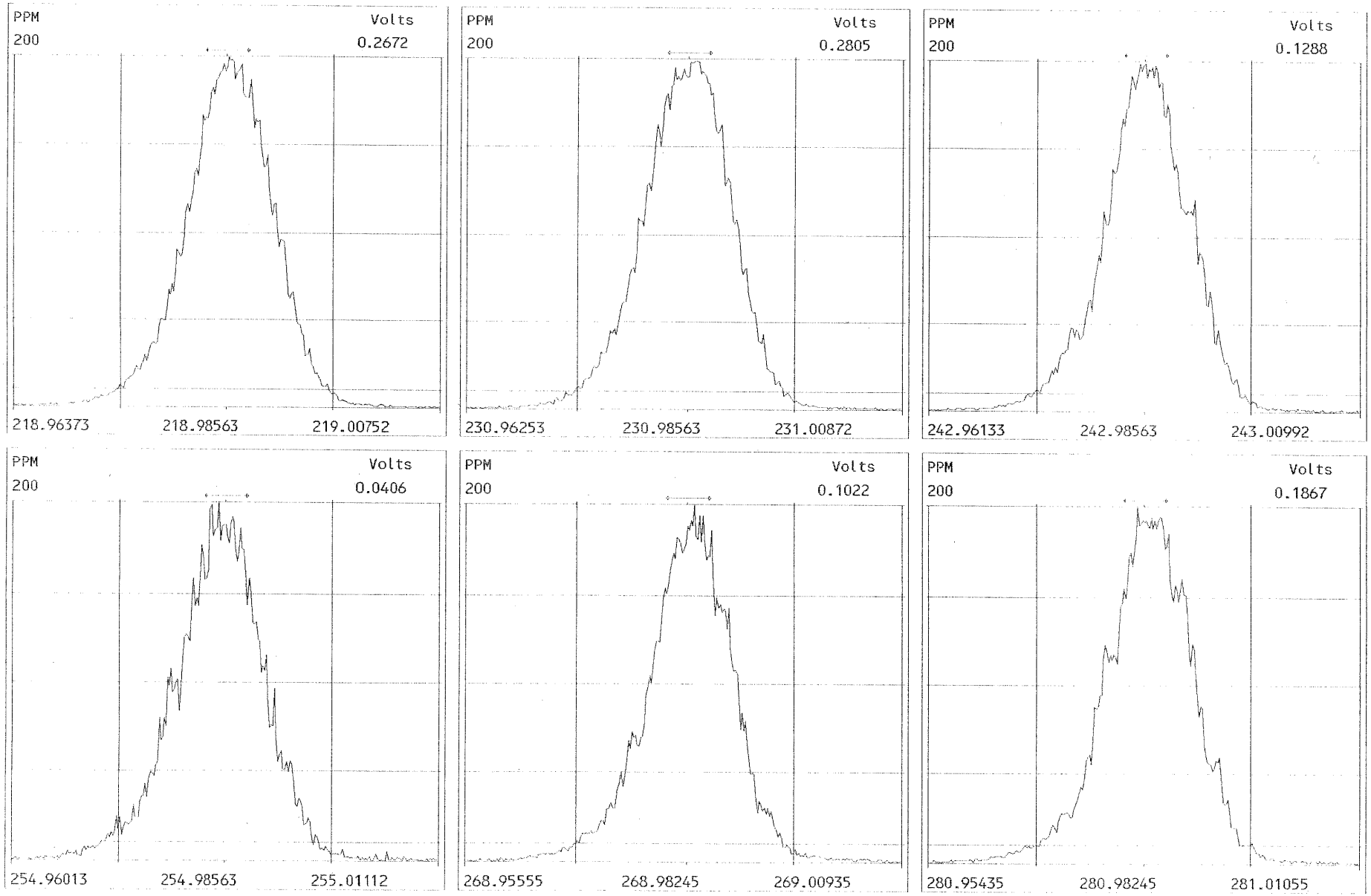
File:09NOV20Z #1-314 Acq: 9-NOV-2020 12:02:14 GC EI+ Voltage SIR Autospec-Ultima
511.7199 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z1 File Text:Frontier Analytical Laboratory



Peak Locate Examination: 9-NOV-2020:23:13 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK

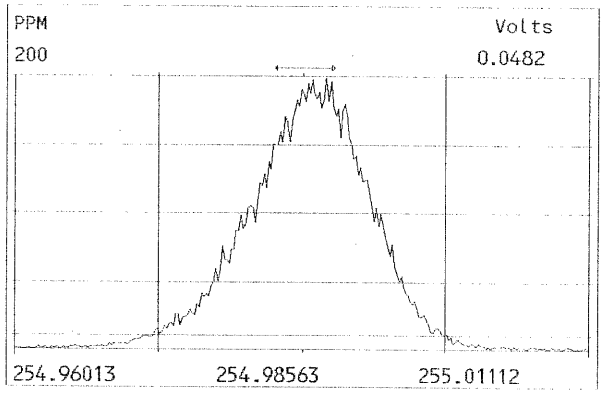


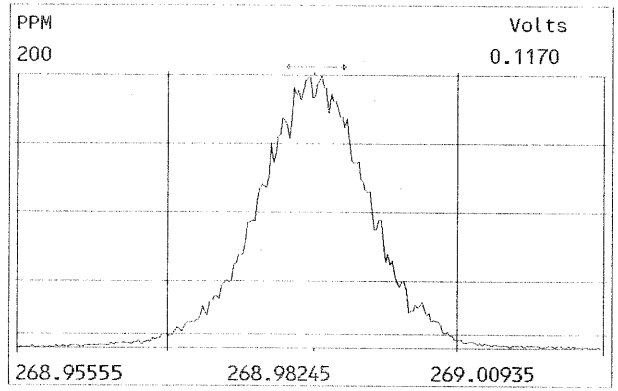
Peak Locate Examination: 9-NOV-2020:23:15 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:2 Reference:PFK

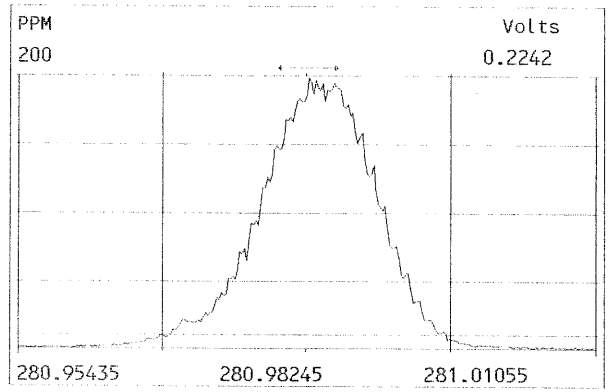


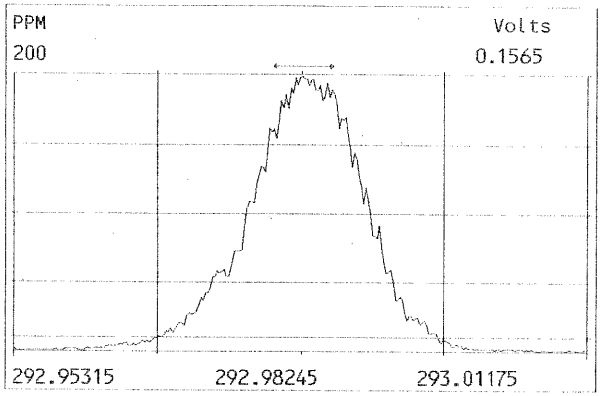
Peak Locate Examination: 9-NOV-2020:23:17 File:09NOV20Z_RES_CHECK

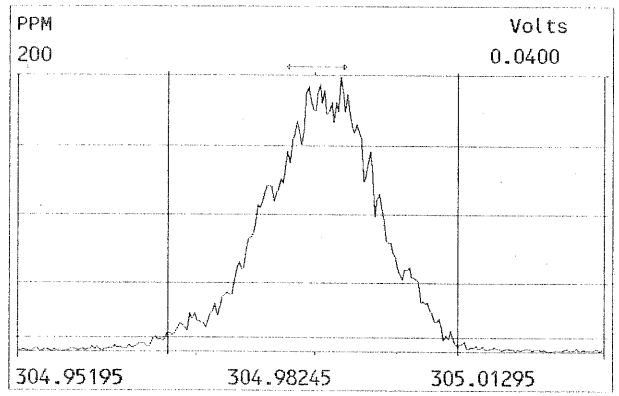
Experiment:1668PCB Function:3 Reference:PFK

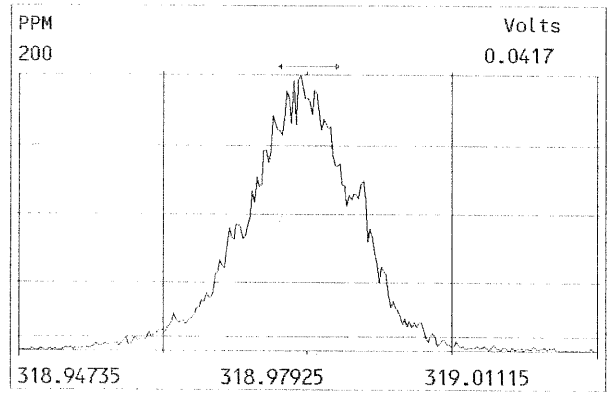


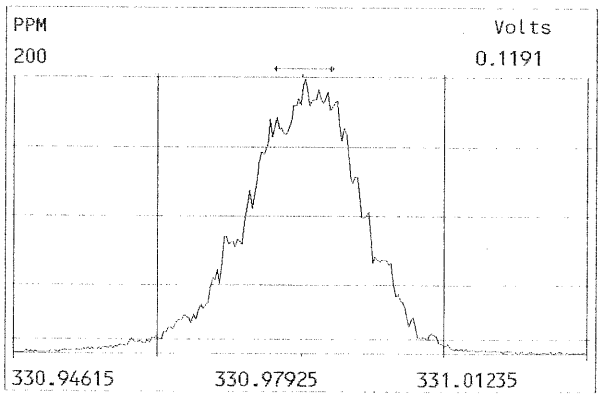


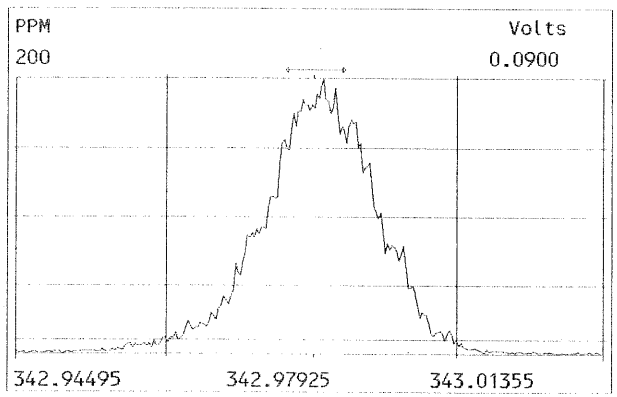




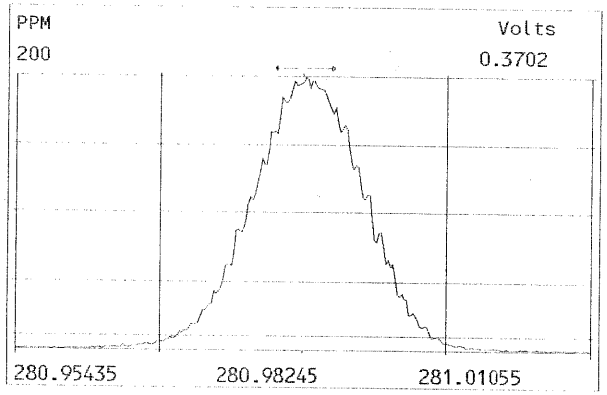


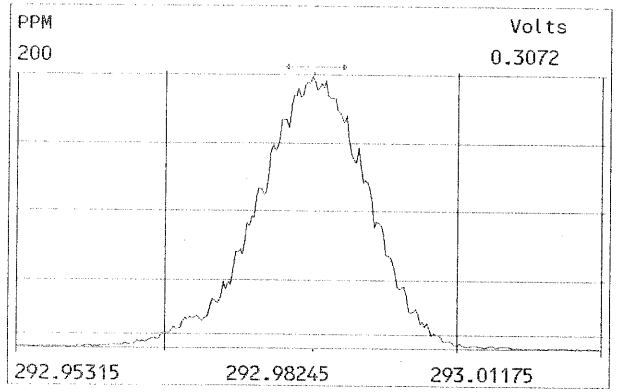


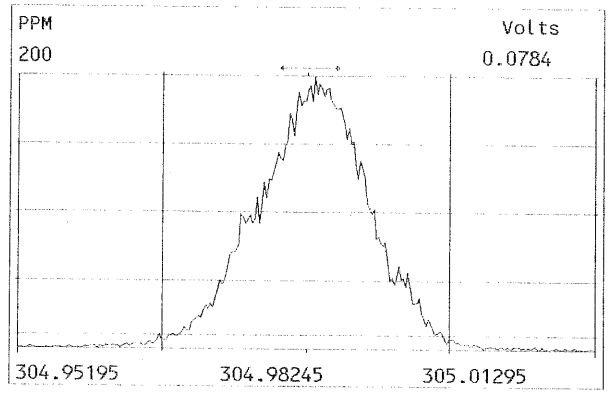


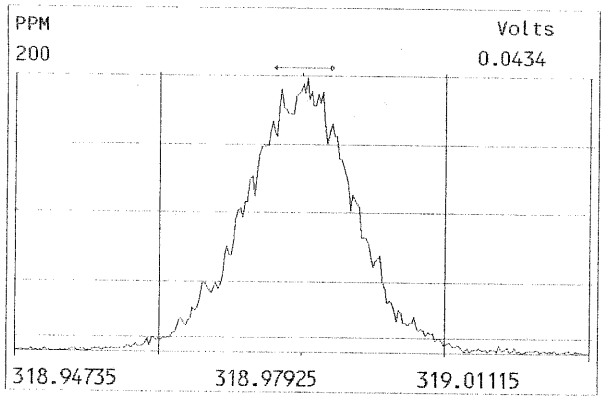


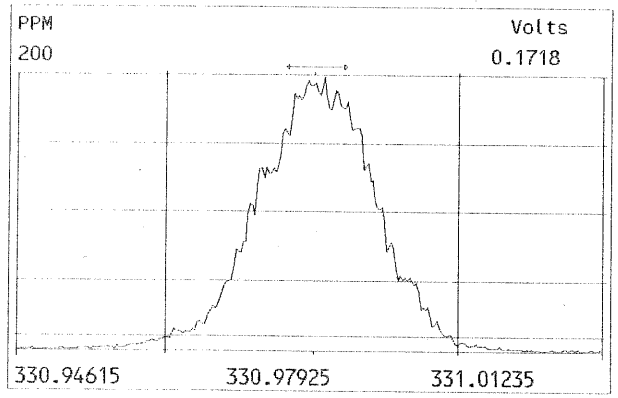
Peak Locate Examination: 9-NOV-2020:23:20 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:4 Reference:PFK

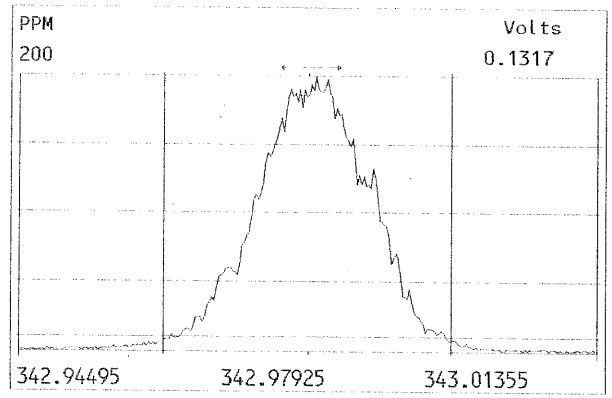


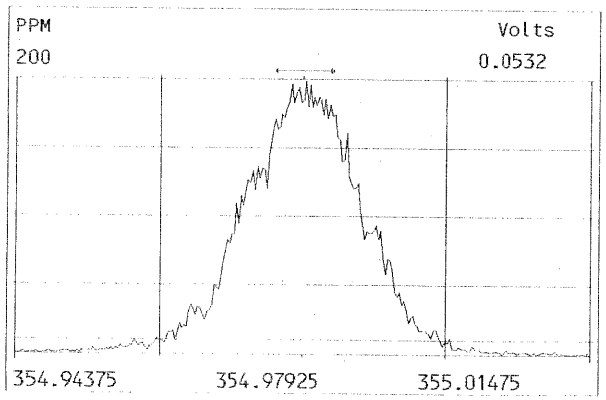


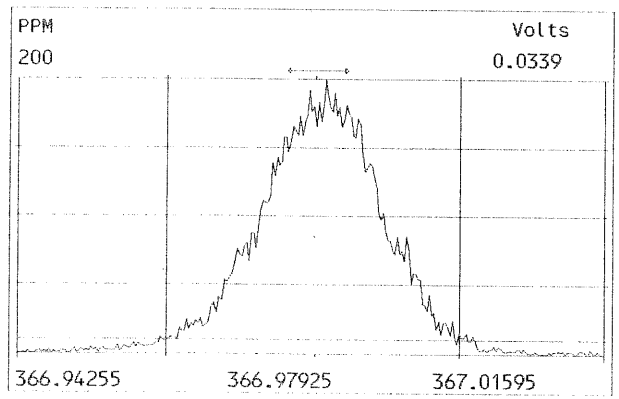


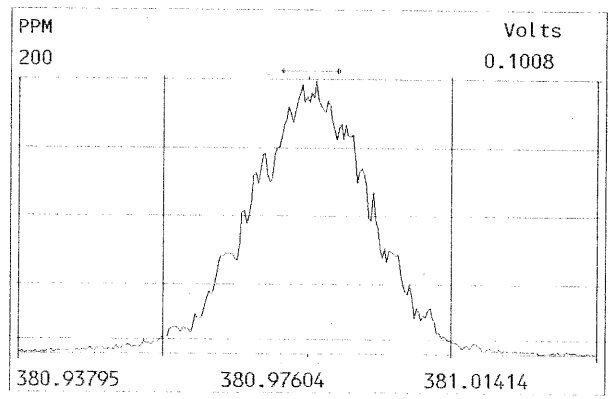




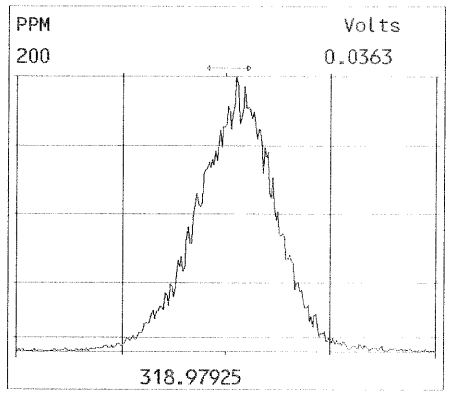


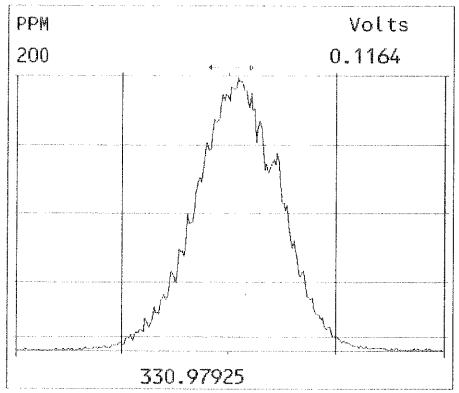


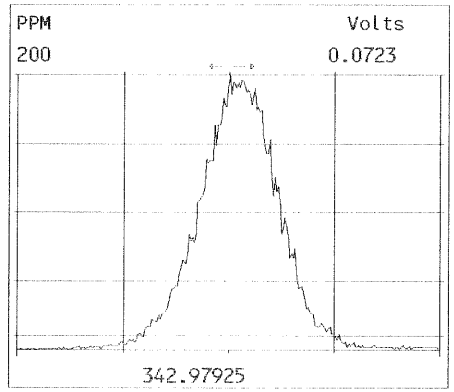


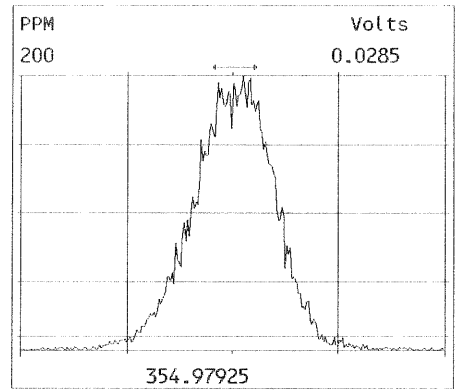


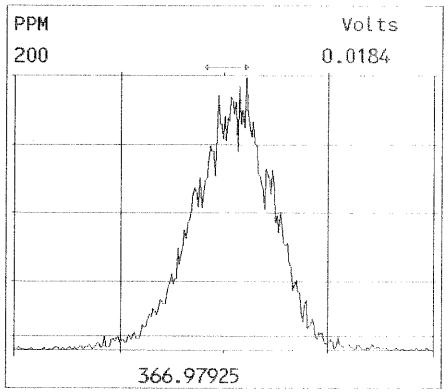
Peak Locate Examination: 9-NOV-2020:23:22 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:5 Reference:PFK

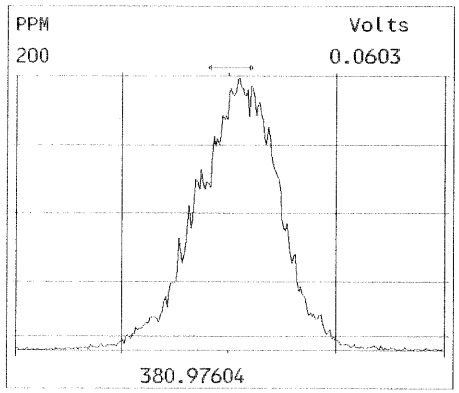


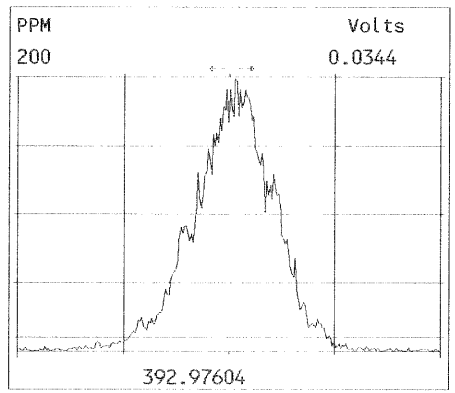


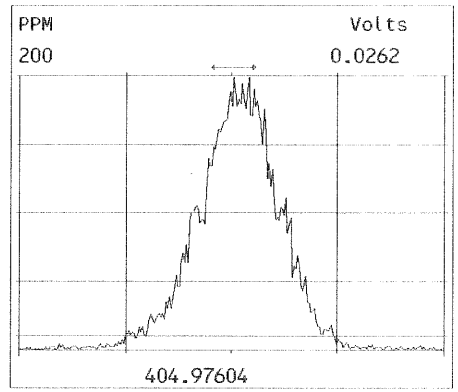


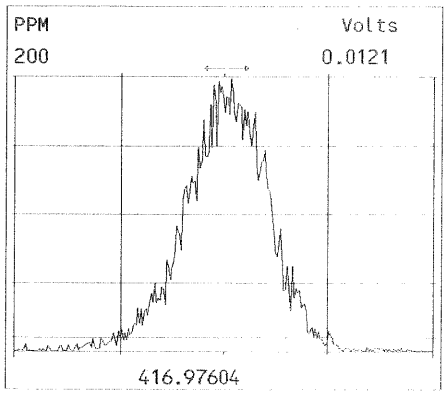


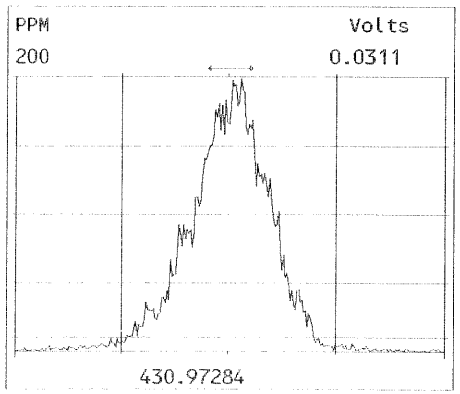


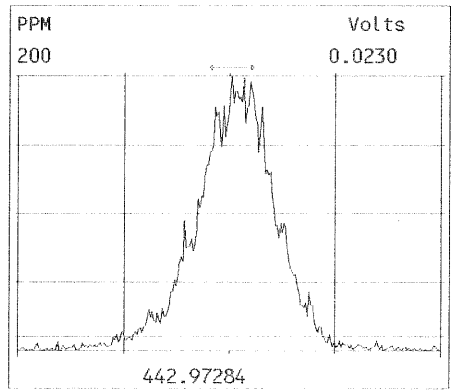




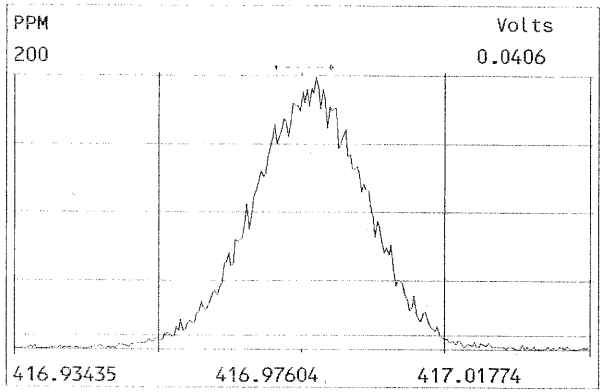


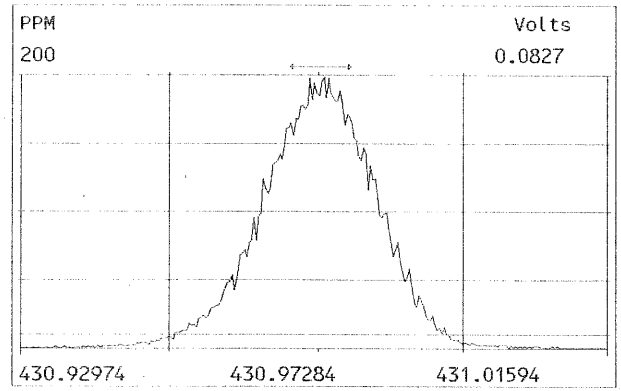


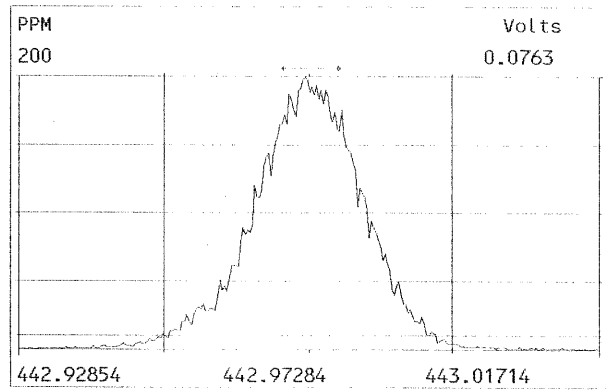


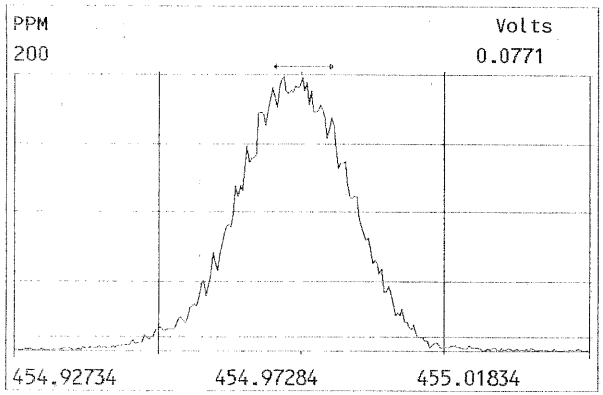


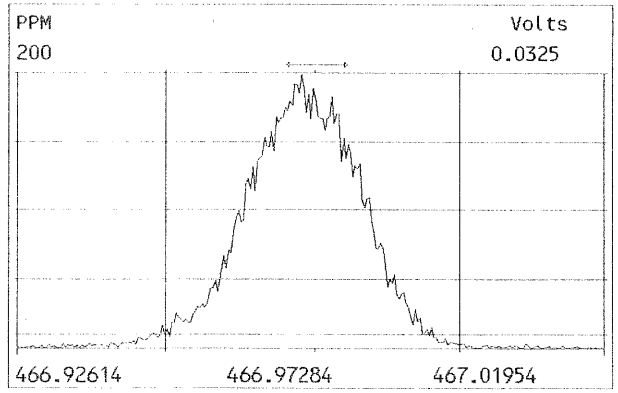
Peak Locate Examination: 9-NOV-2020:23:24 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:6 Reference:PFK

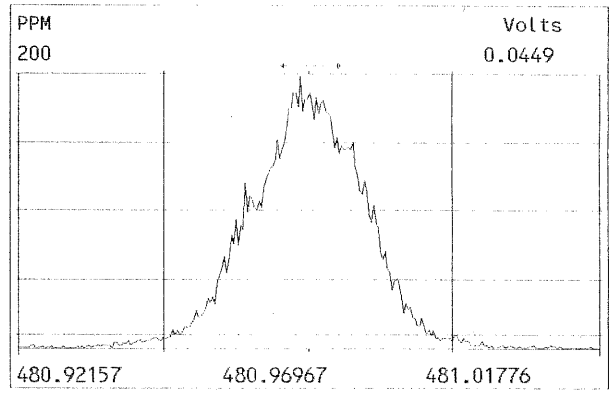


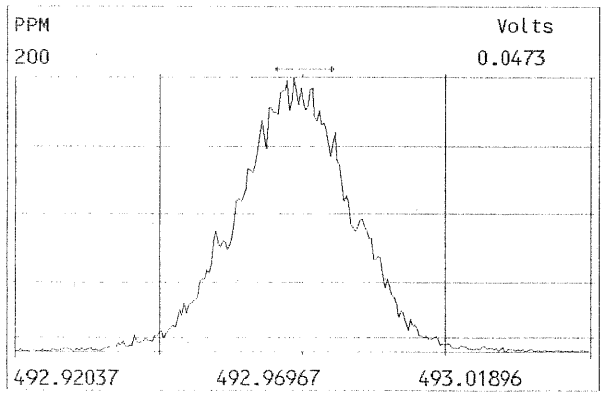


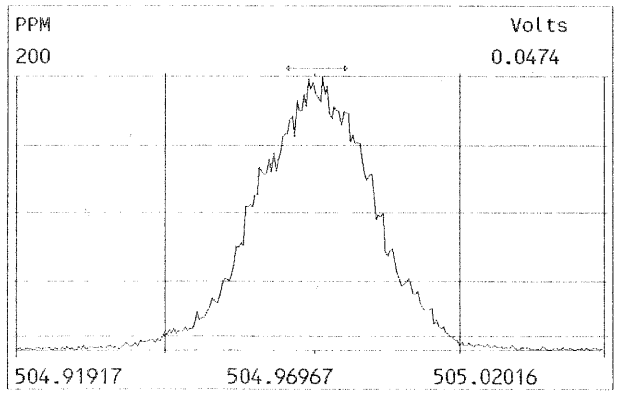


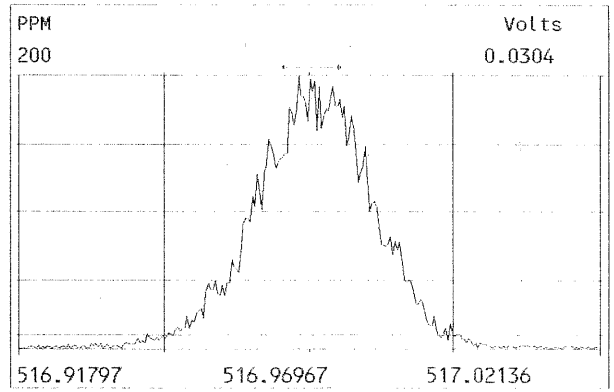












Frontier Analytical Laboratory

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: 11/10/21

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: ST11092OZ1 EndCal: ST11092OZ2
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

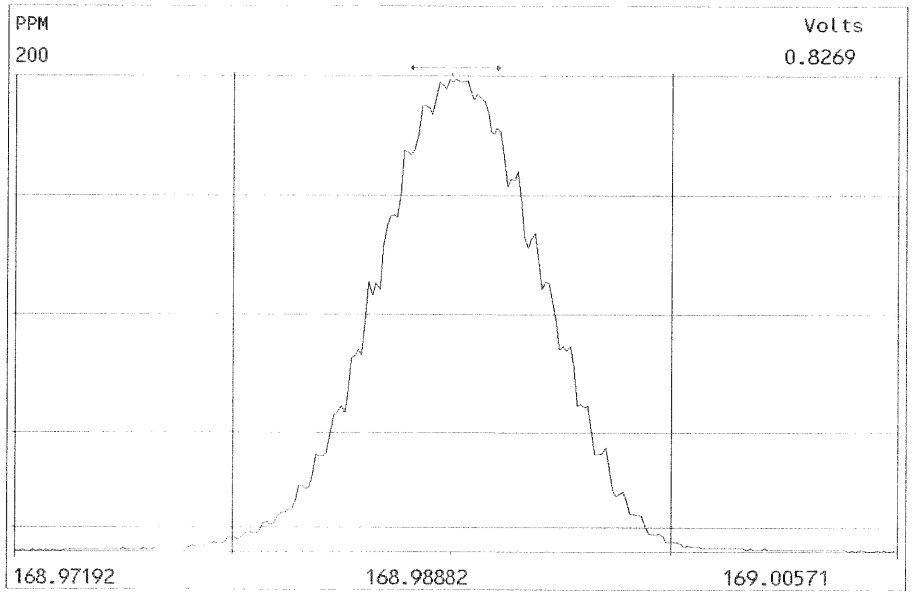
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
09NOV20Z	1	ST110920Z1	CS209 200406A	9-NOV-20 12:02:14	ST110920Z1	ST110920Z2	BS
09NOV20Z	2	05499-001-0001-OPR	OPR	9-NOV-20 13:00:34	ST110920Z1	ST110920Z2	BS
09NOV20Z	3	05499-001-0001-MB	Method Blank	9-NOV-20 13:58:55	ST110920Z1	ST110920Z2	BS
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

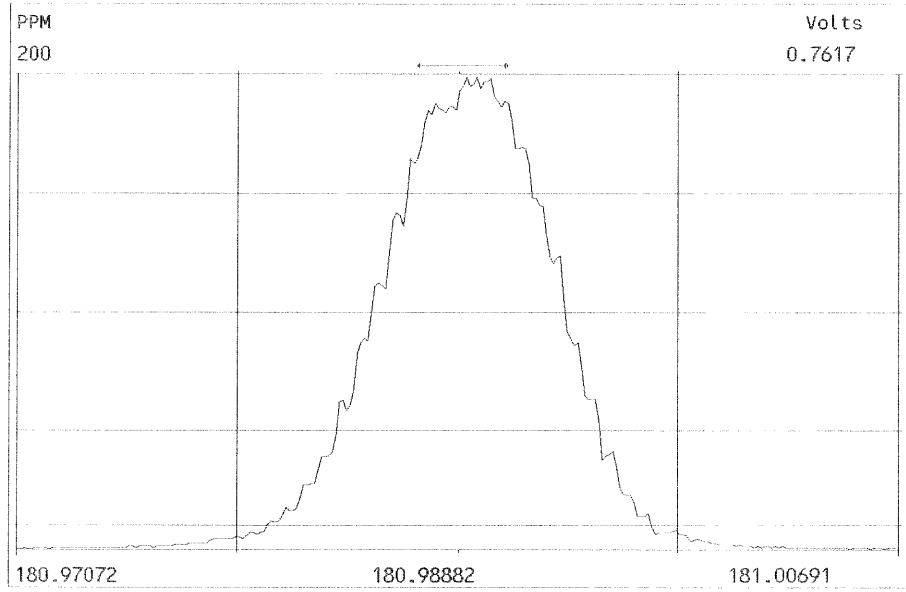
11/10/20

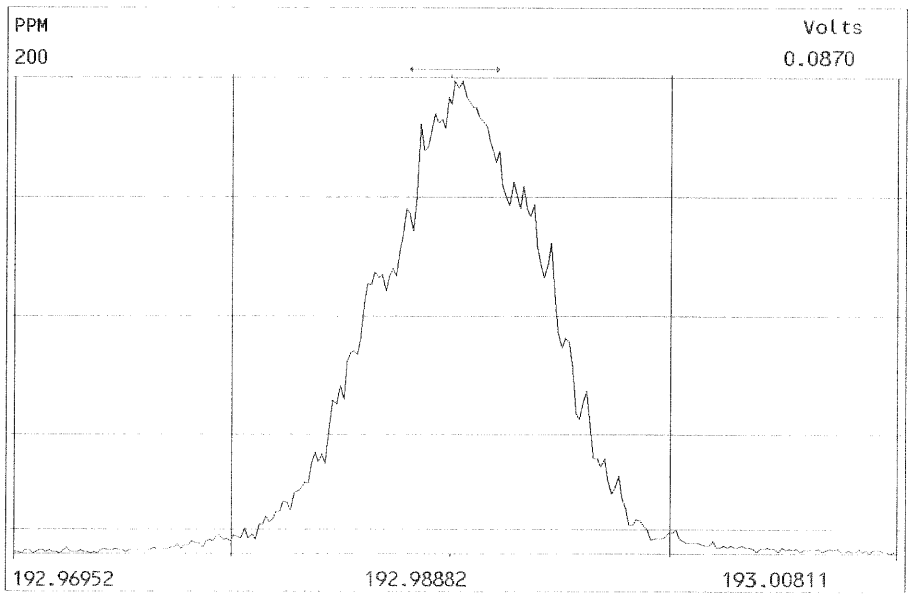
Data Backed Up:_____

Date:_____

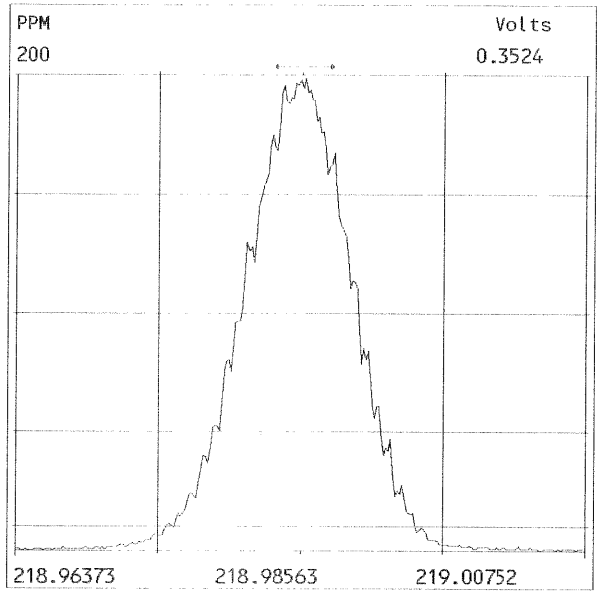
Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:1 Reference:PFK

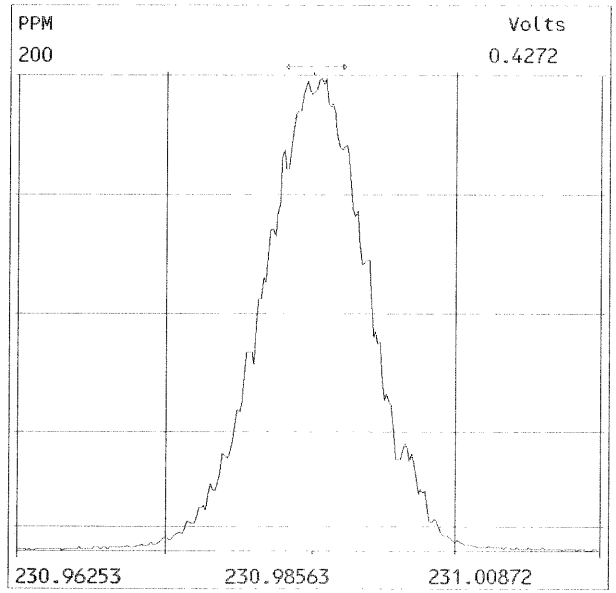


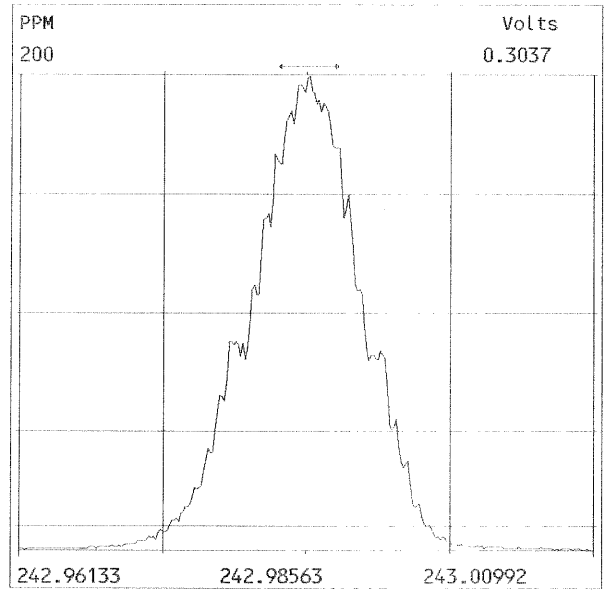


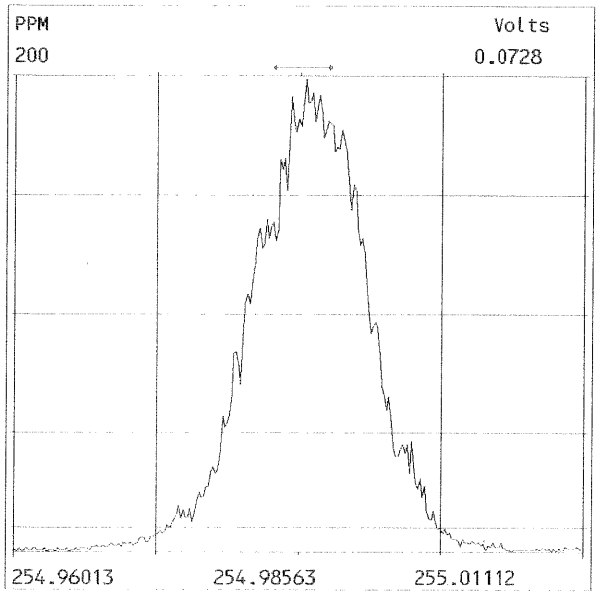


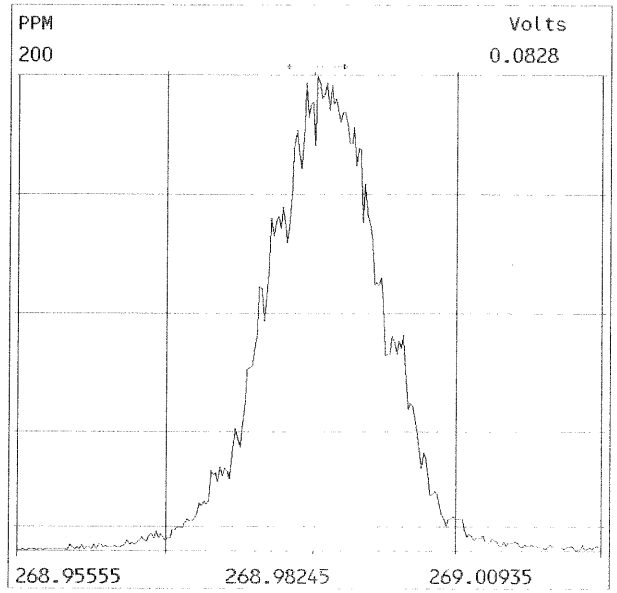
Peak Locate Examination: 9-NOV-2020:11:59 File:09NOV20Z
Experiment:1668PCB Function:2 Reference:PFK

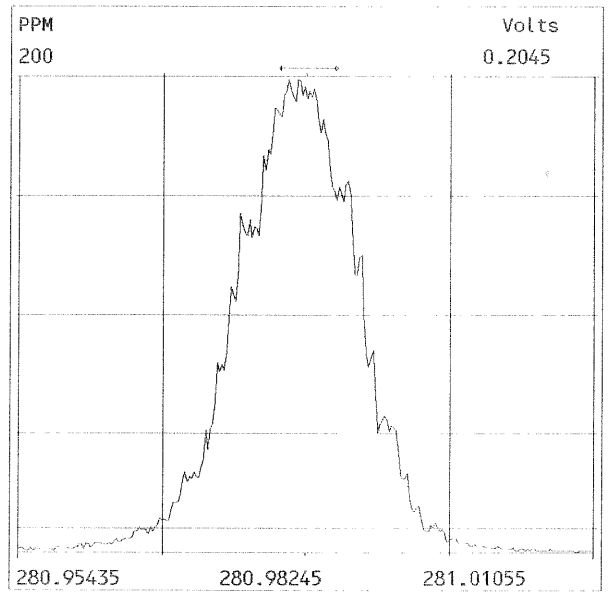




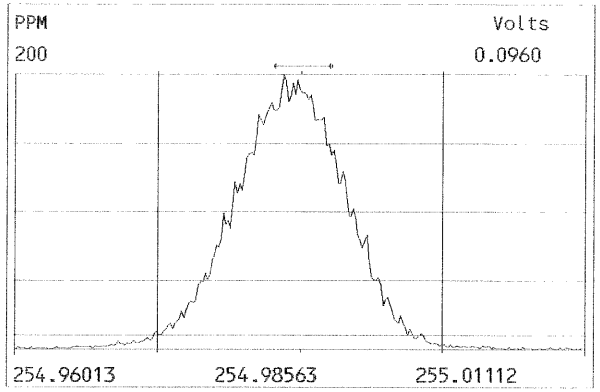


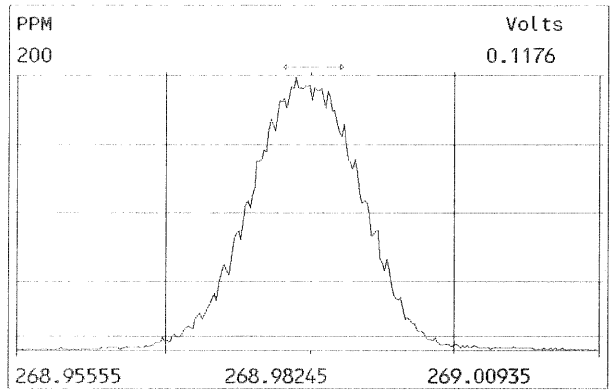


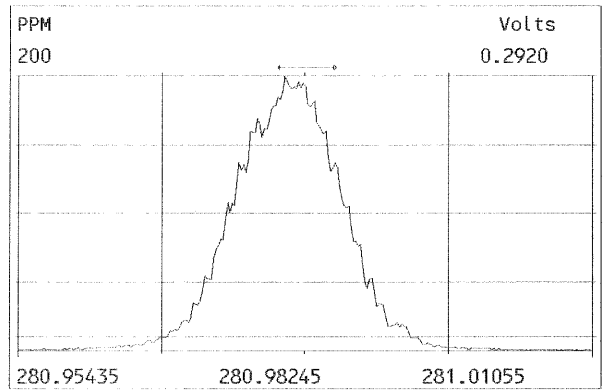


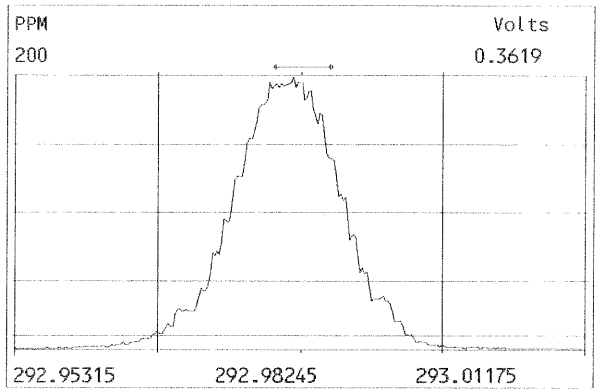


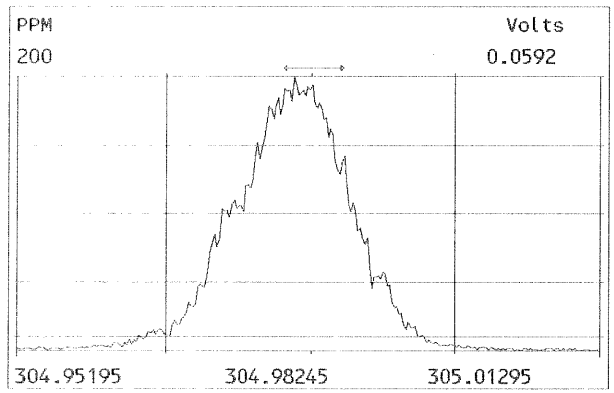
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:3 Reference:PFK

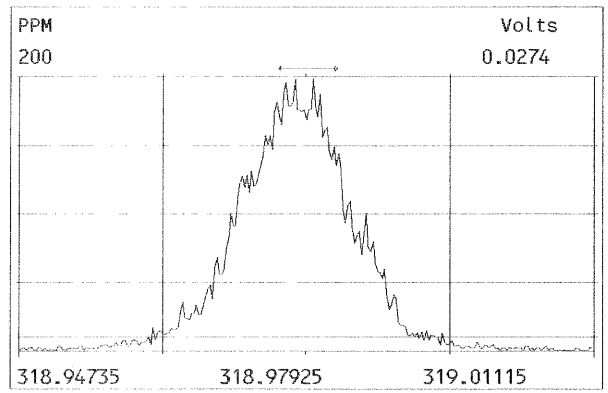


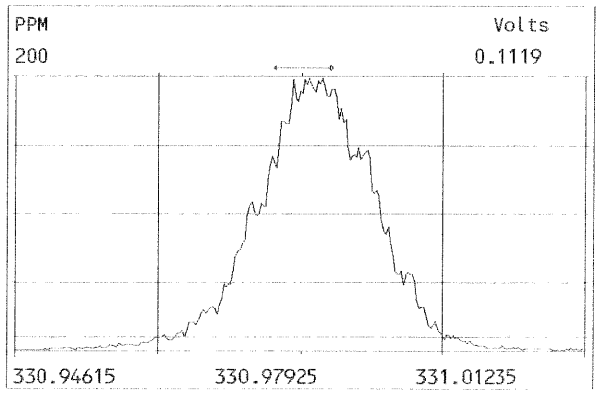


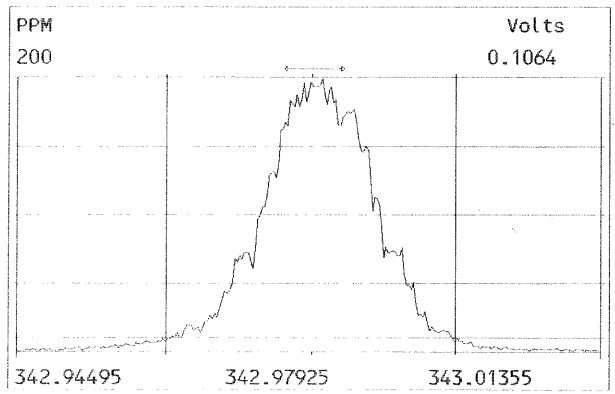




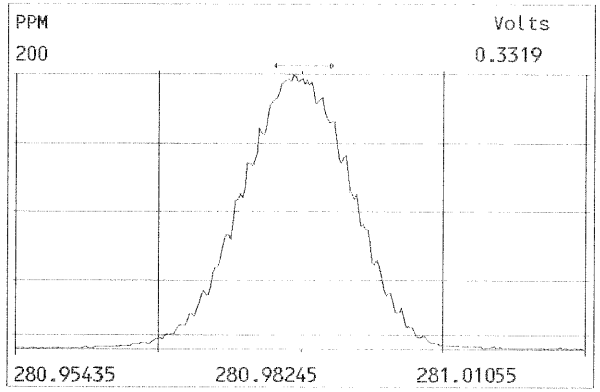


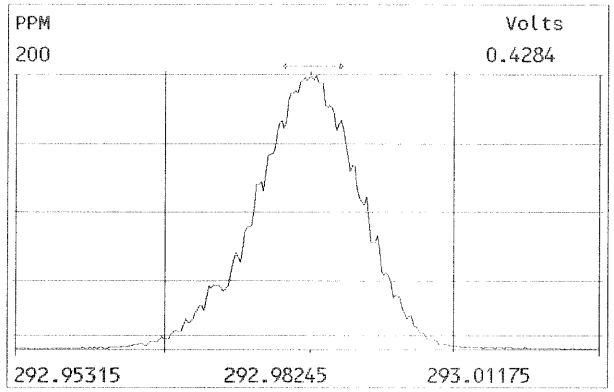


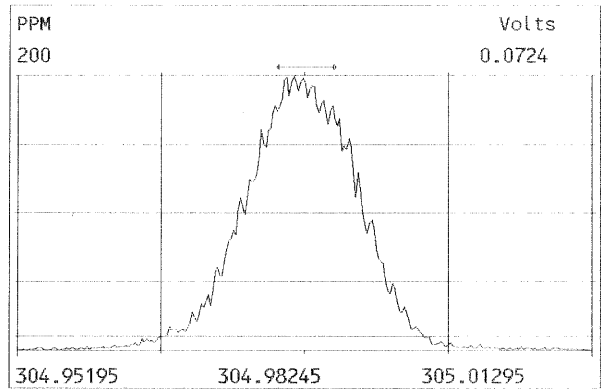


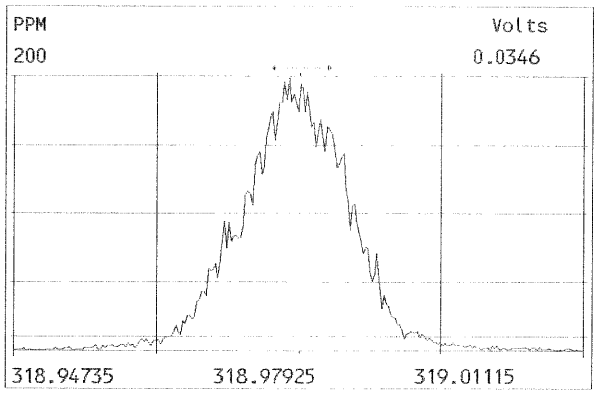


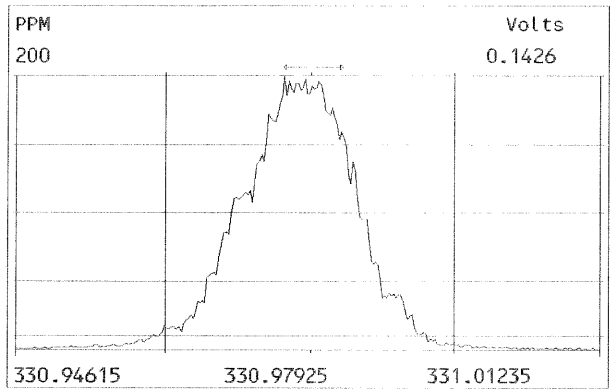
Peak Locate Examination: 9-NOV-2020:12:00 File:09NOV20Z
Experiment:1668PCB Function:4 Reference:PFK

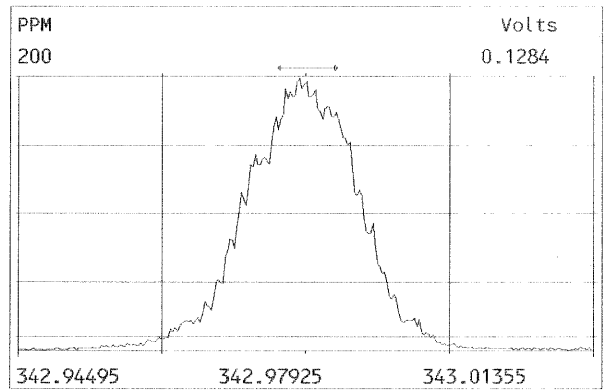


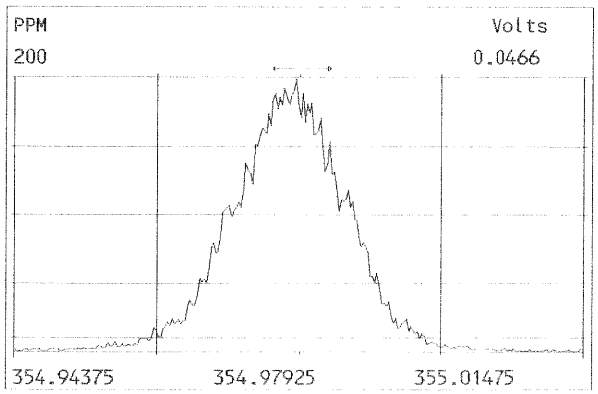


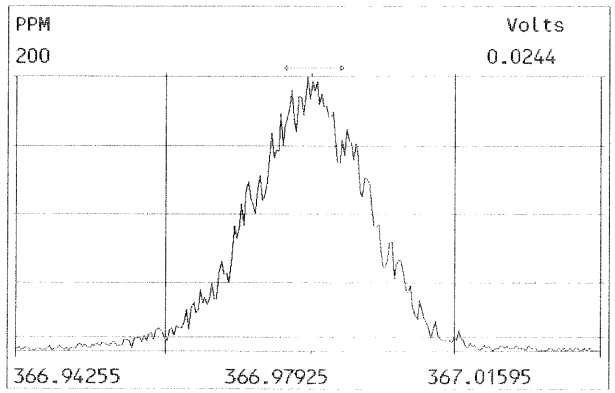


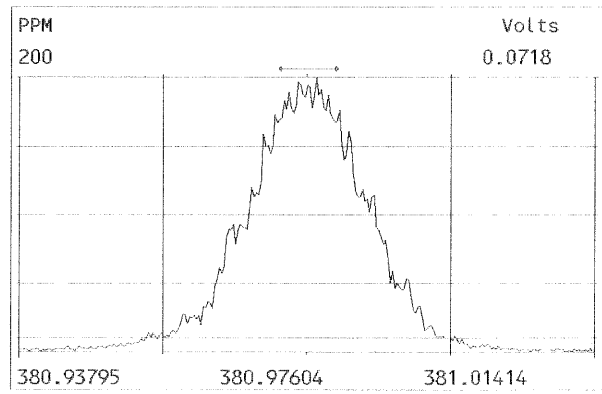




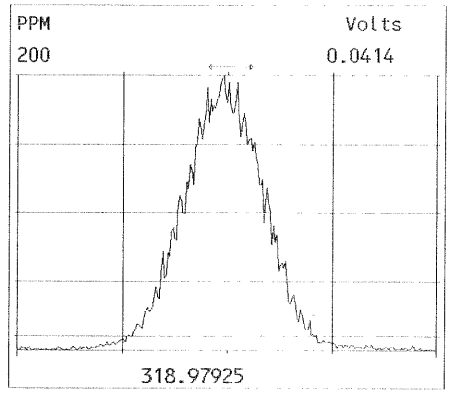


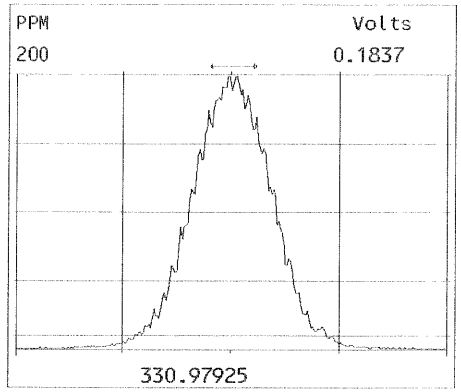


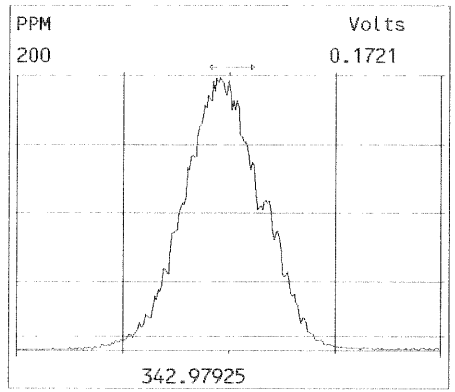


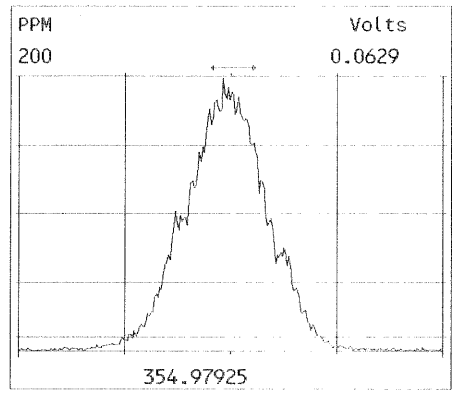


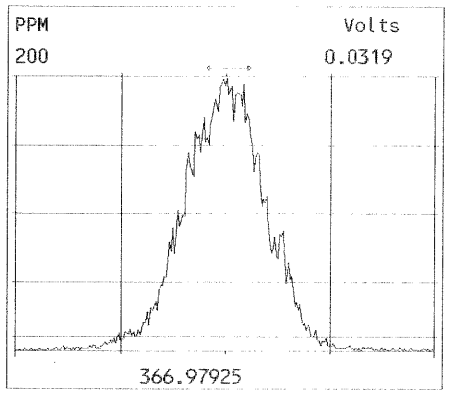
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z
Experiment:1668PCB Function:5 Reference:PFK

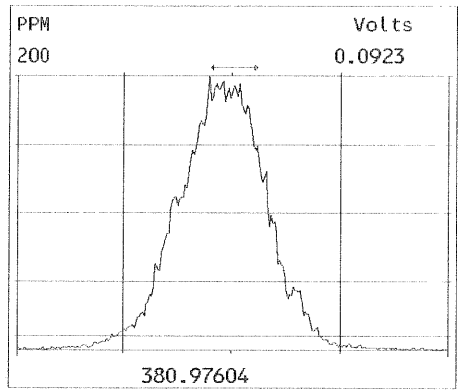


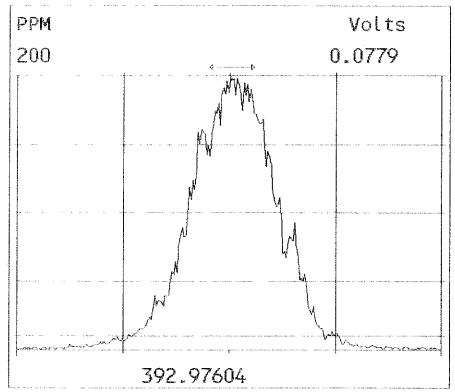


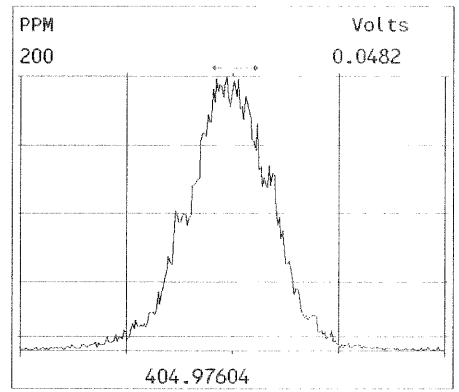


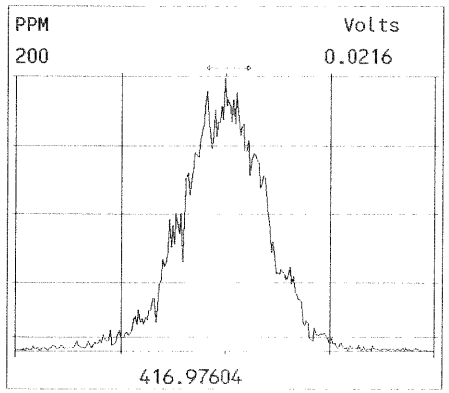


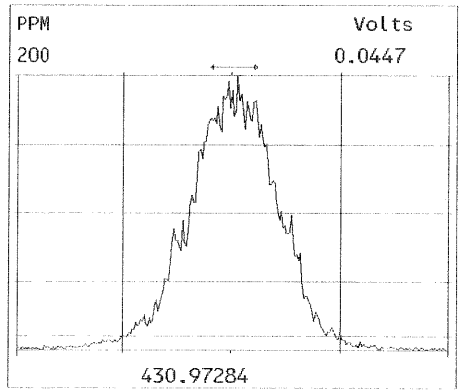


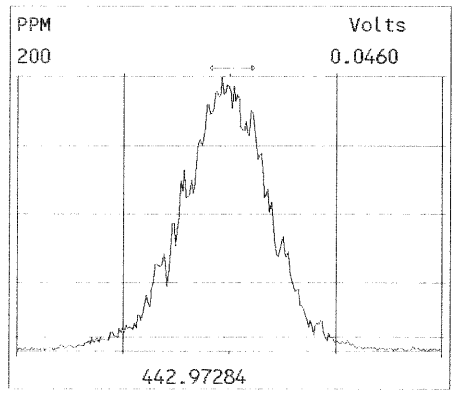






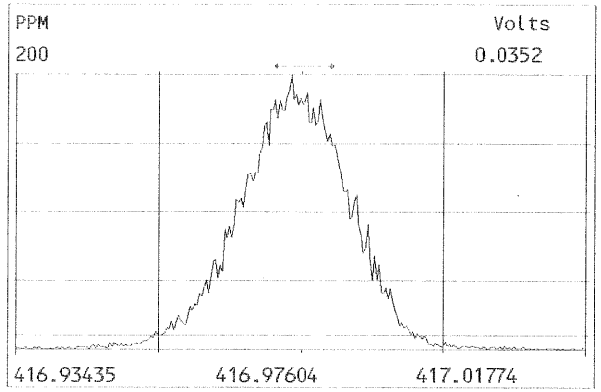


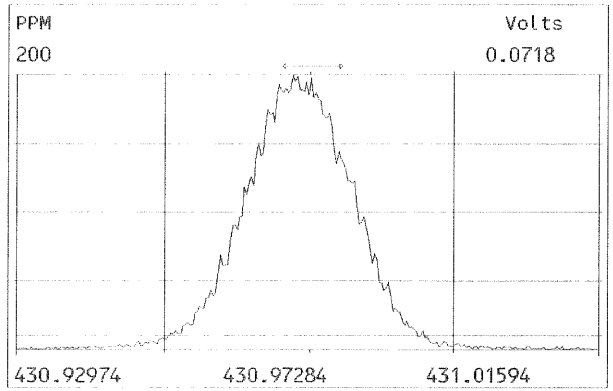


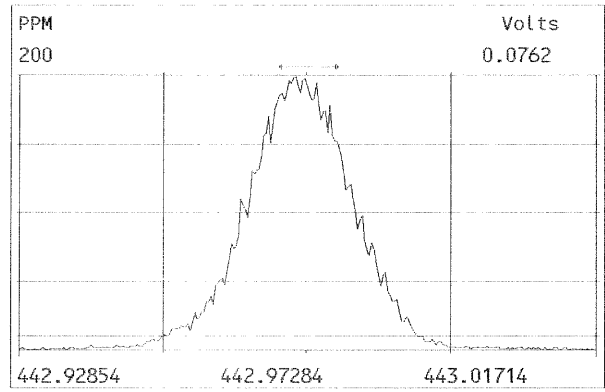


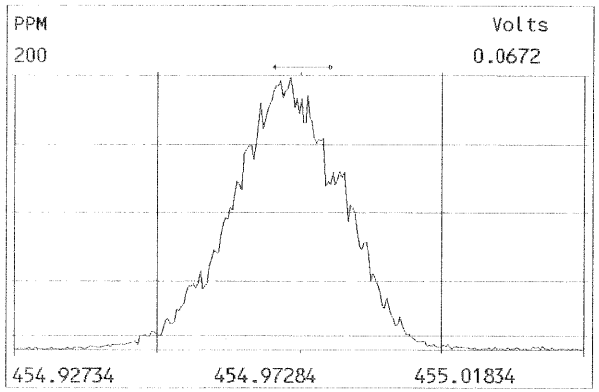
Peak Locate Examination: 9-NOV-2020:12:01 File:09NOV20Z

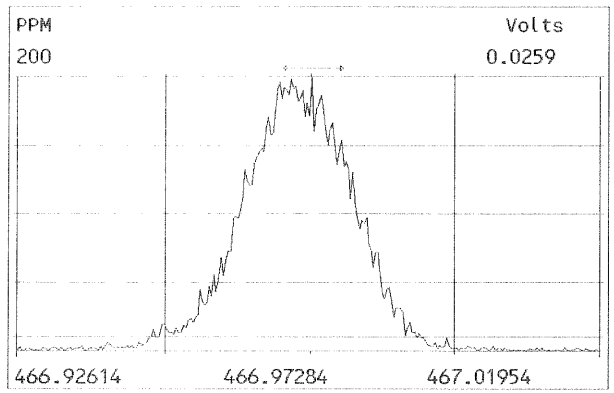
Experiment:1668PCB Function:6 Reference:PFK

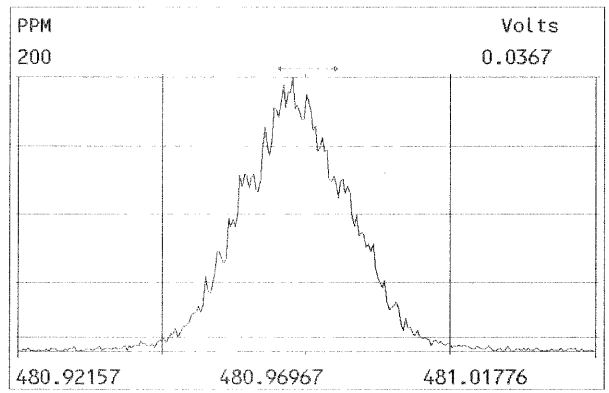


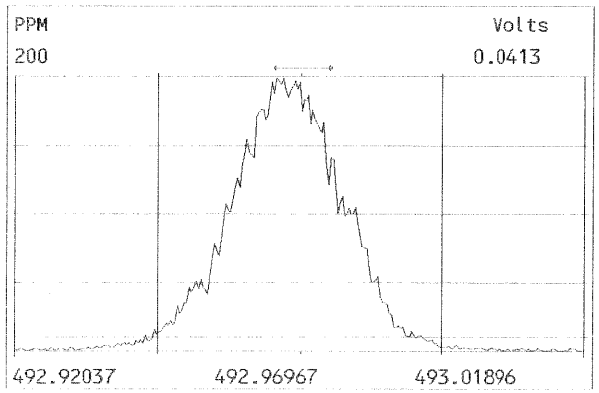


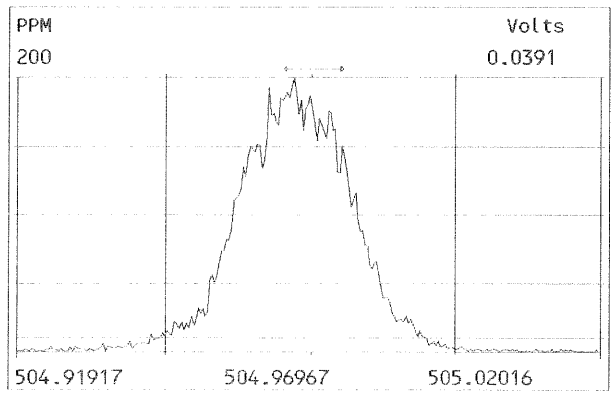


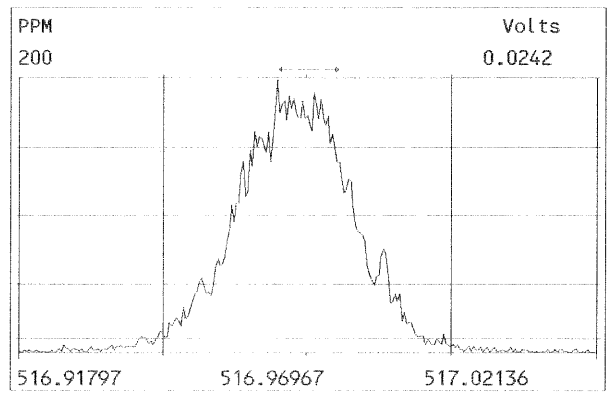




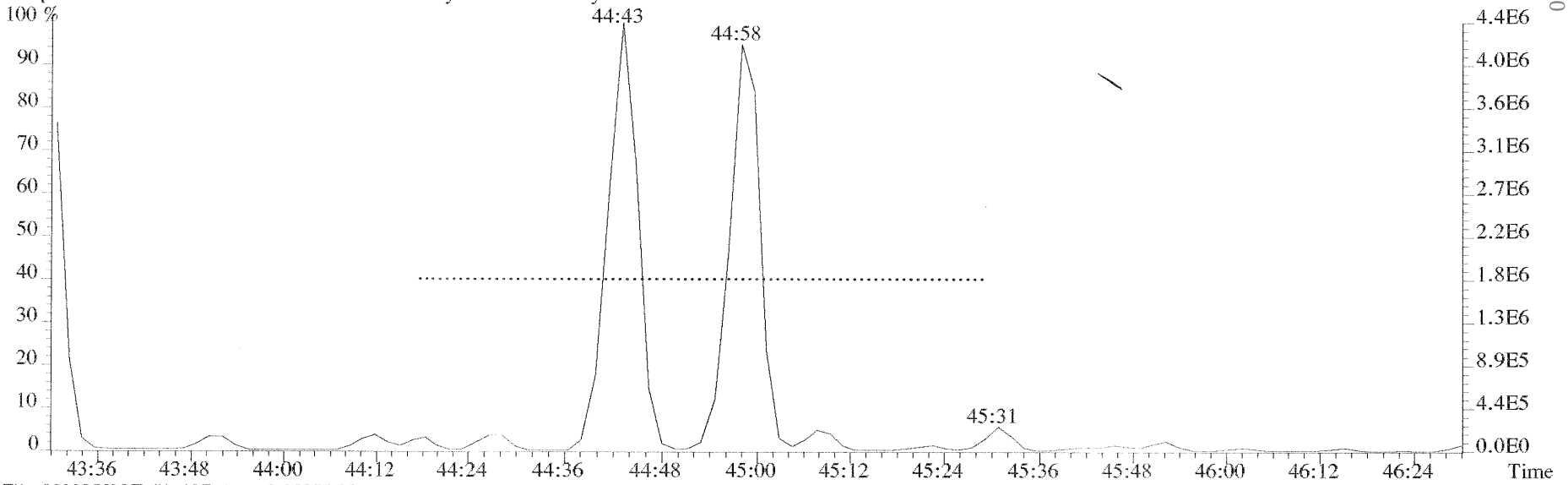








File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



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373.8788 S:11 F:5 Exp:1668PCB
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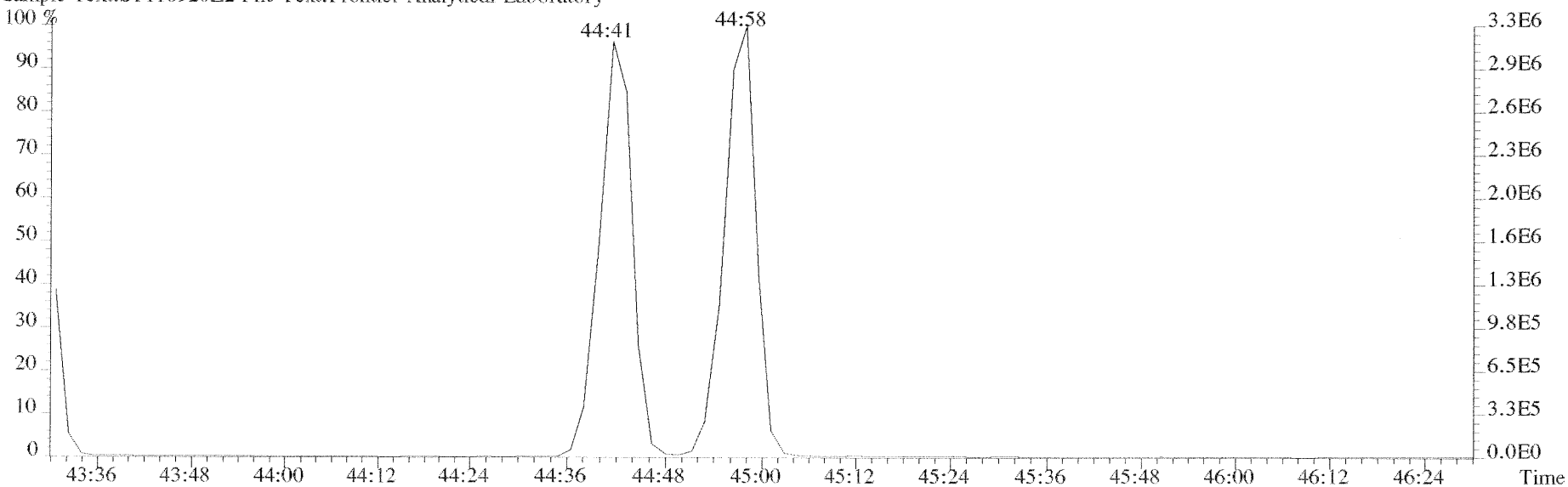
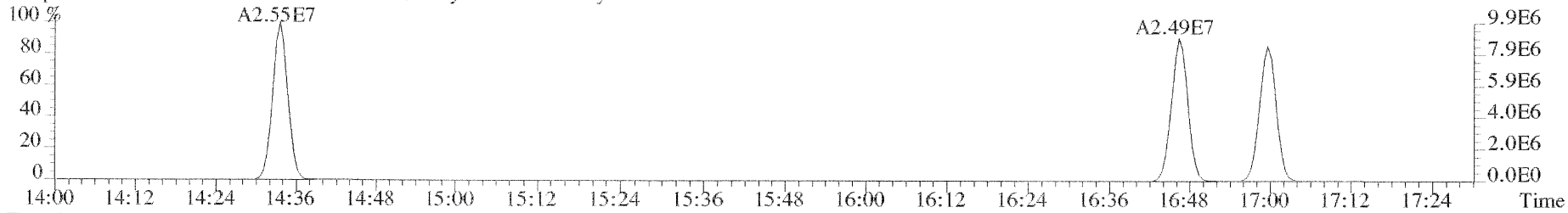
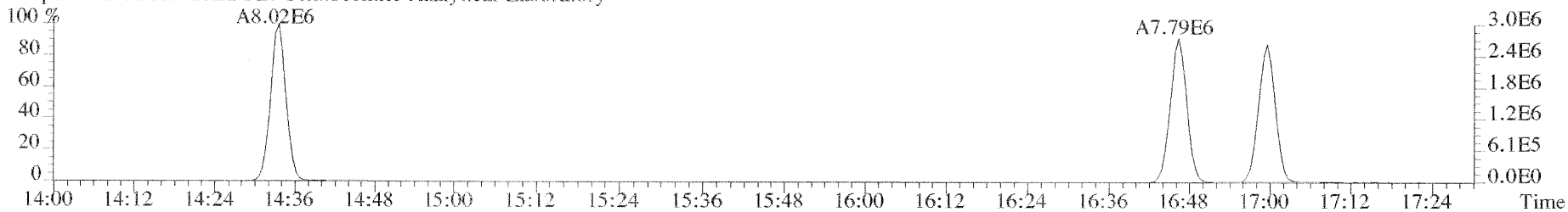


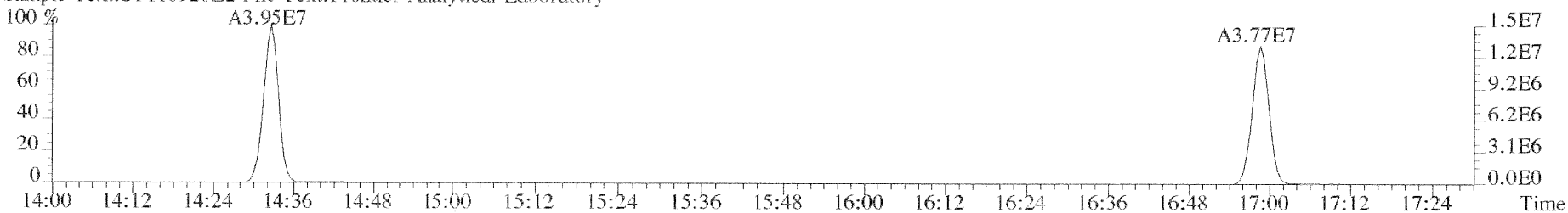
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
188.0393 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



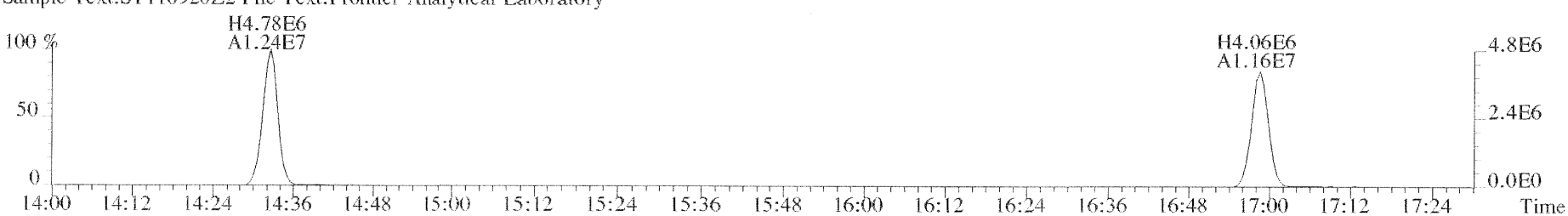
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
190.0363 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



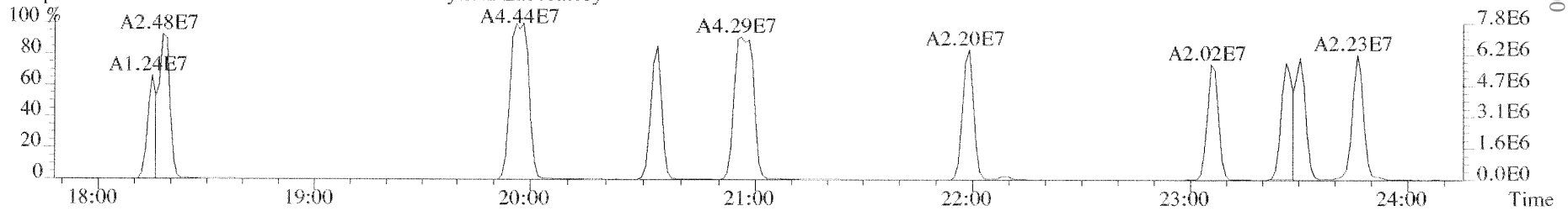
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
200.0795 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



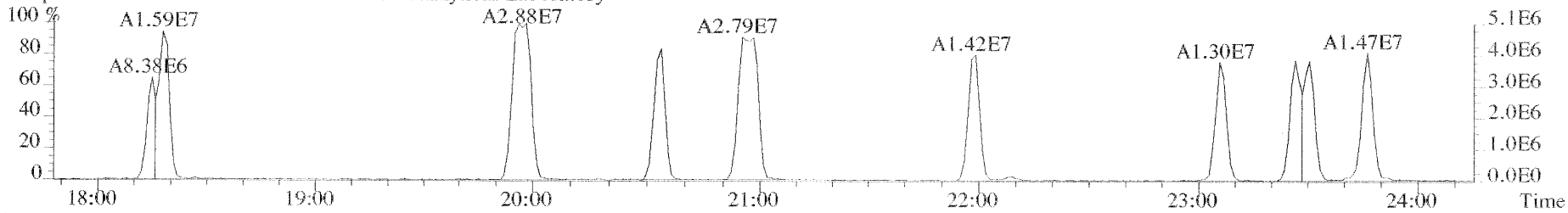
File:09NOV20Z #1-784 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
202.0766 S:11 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



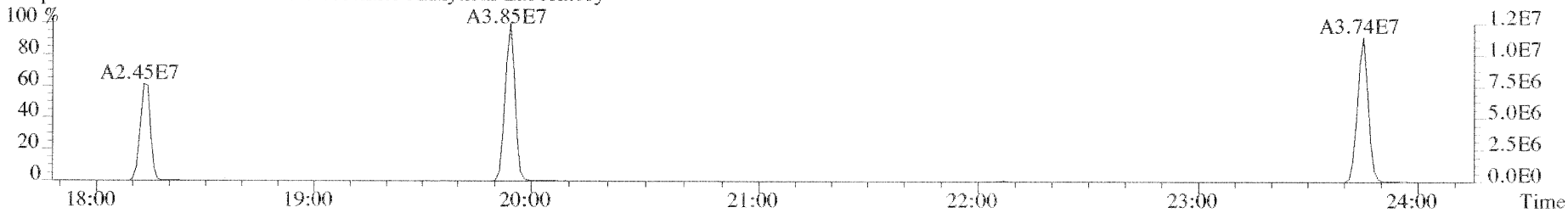
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
222.0003 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



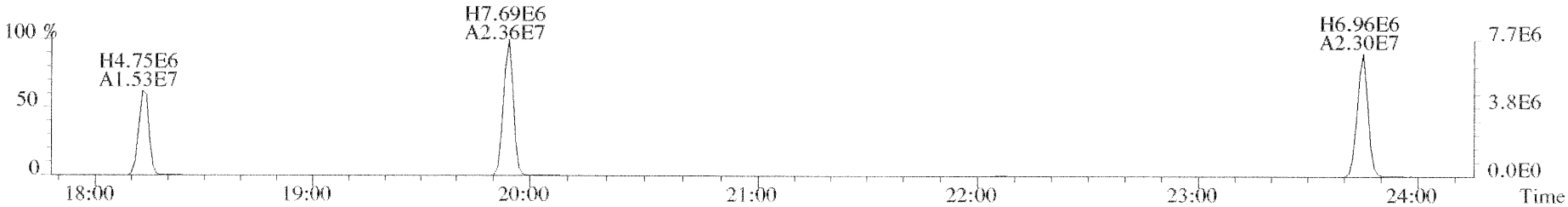
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
223.9975 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



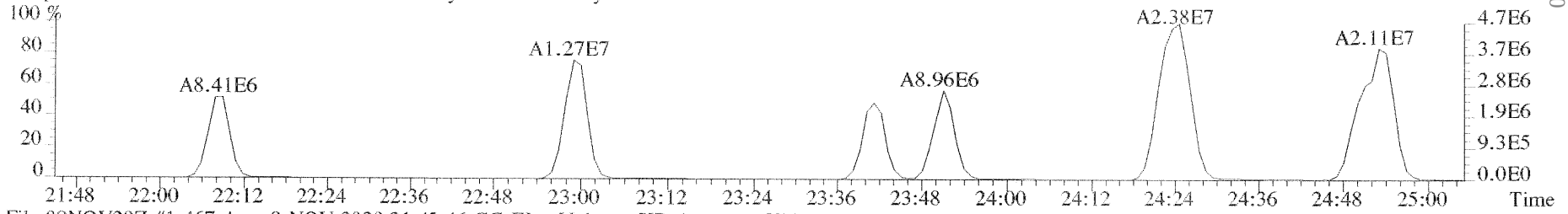
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
234.0406 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



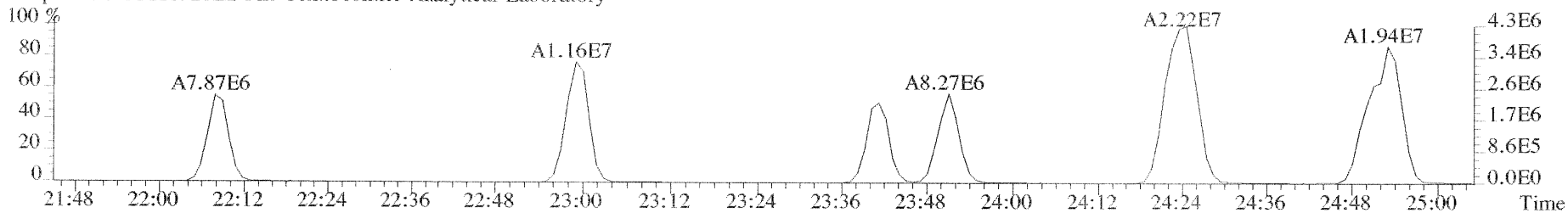
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
236.0376 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



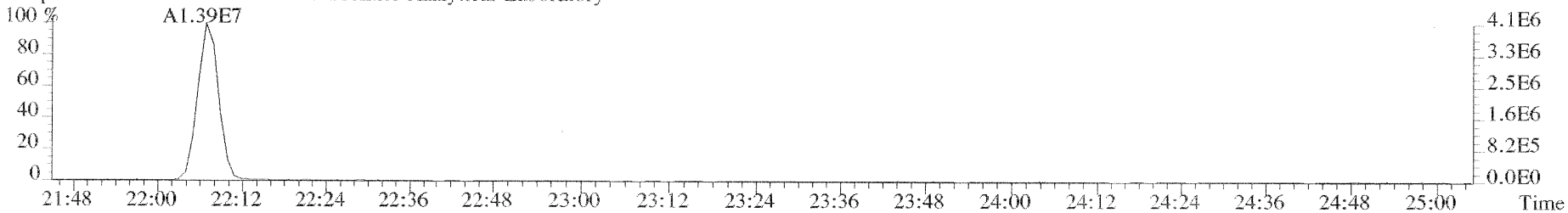
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



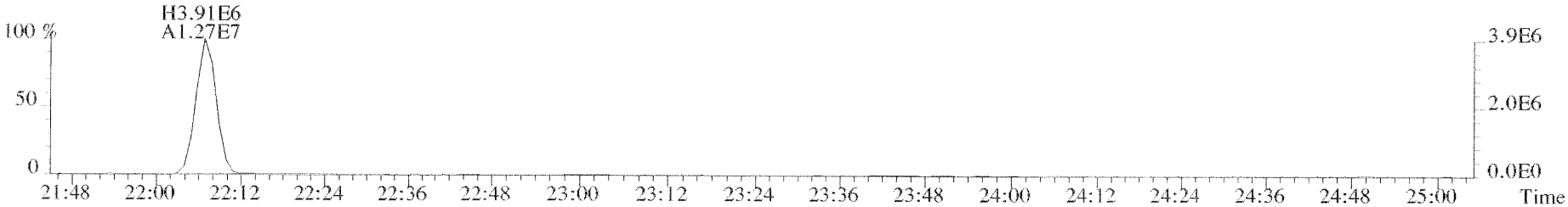
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



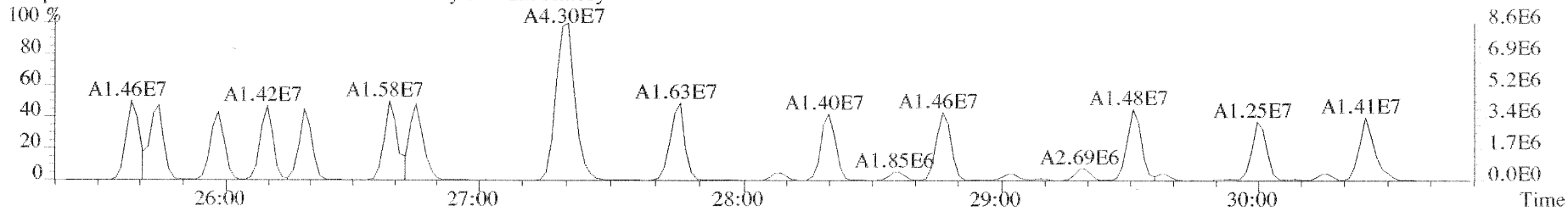
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



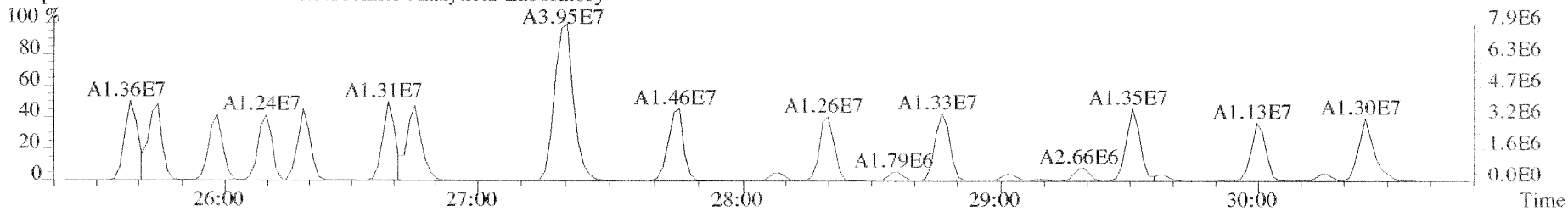
File:09NOV20Z #1-467 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:2 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



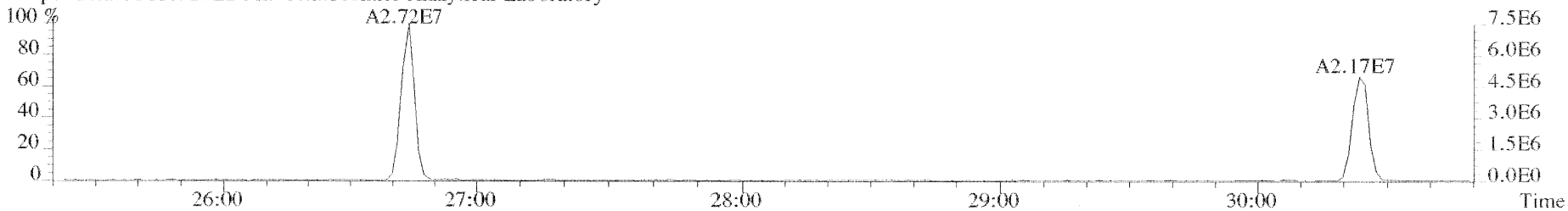
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
255.9613 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



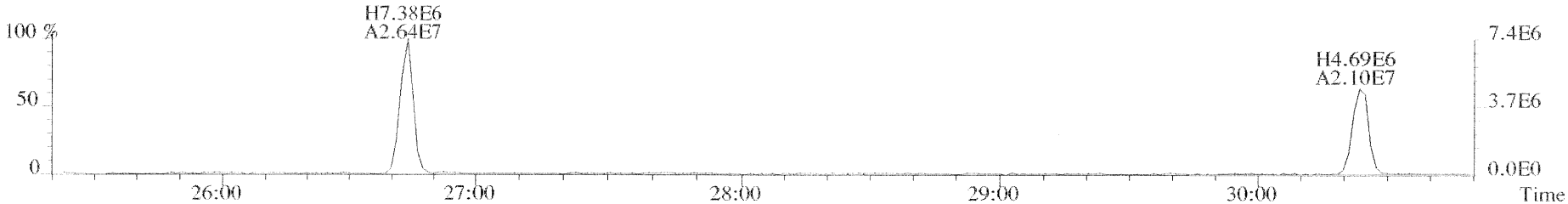
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
257.9584 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



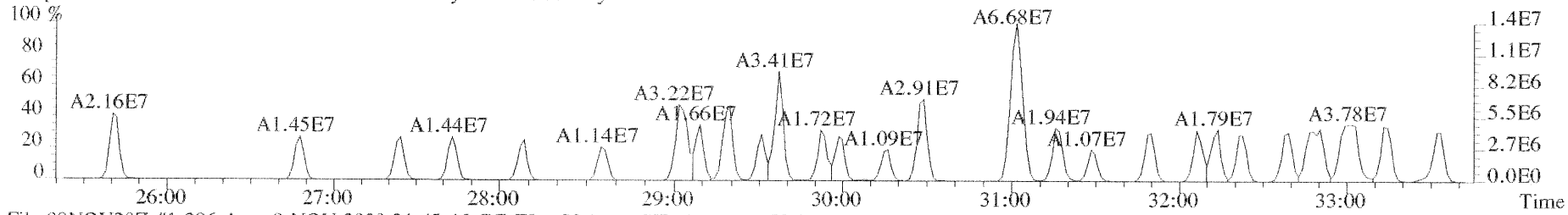
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
268.0016 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



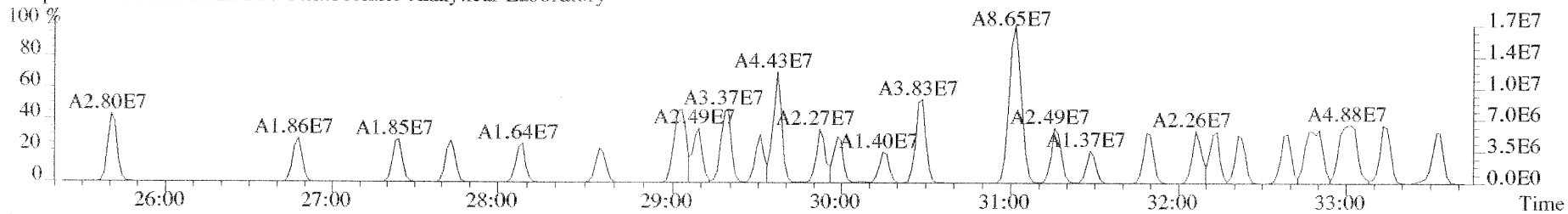
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
269.9986 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



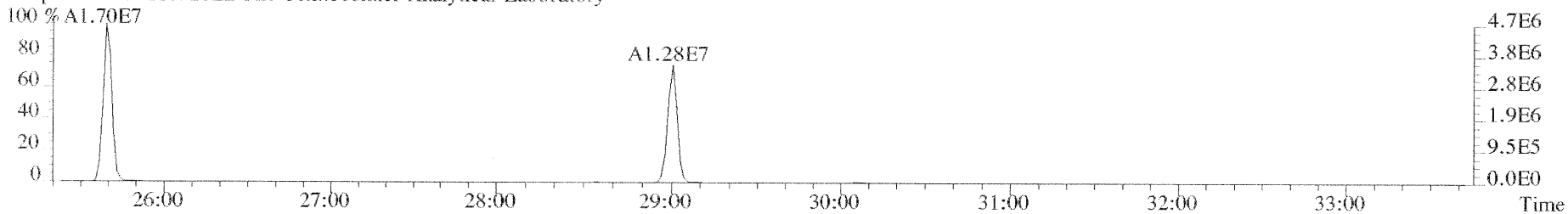
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



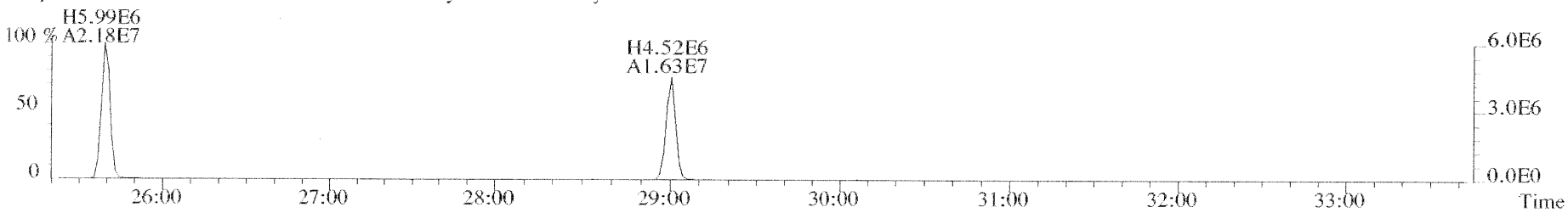
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



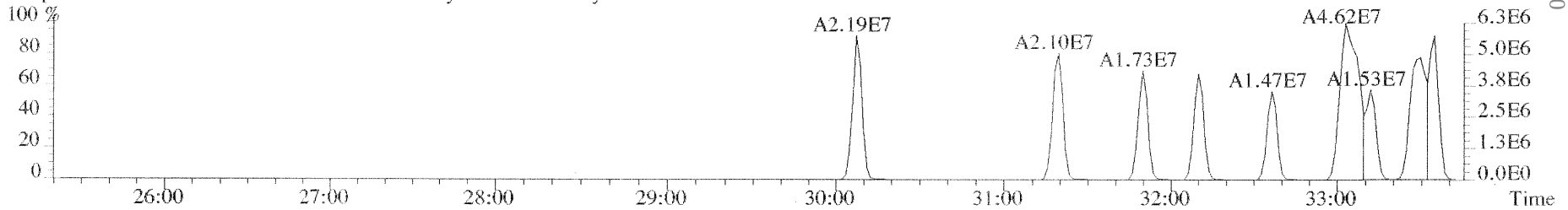
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



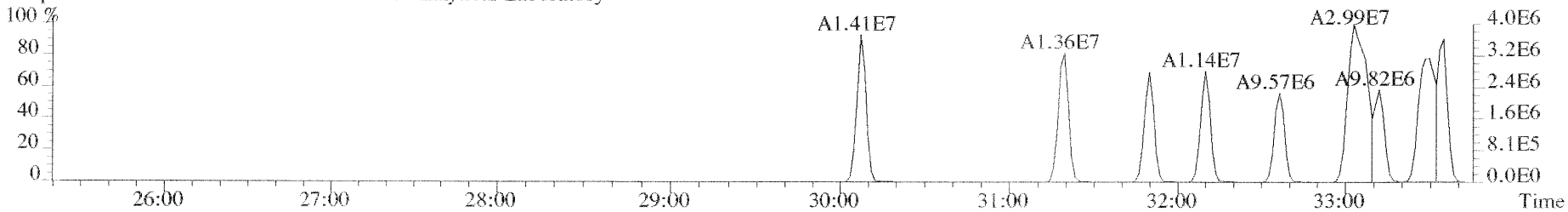
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



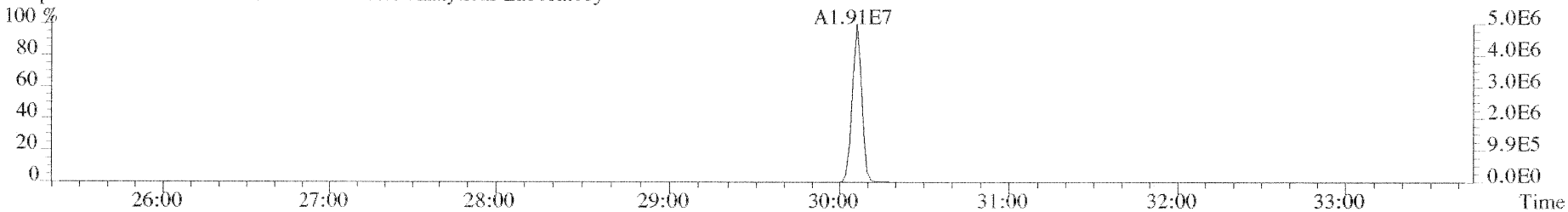
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



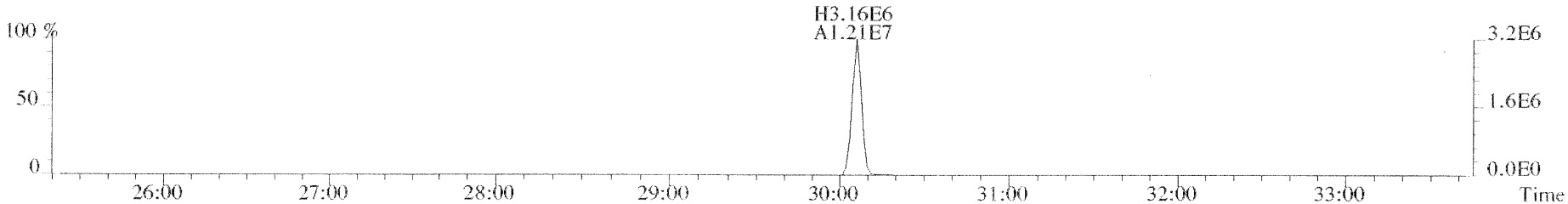
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



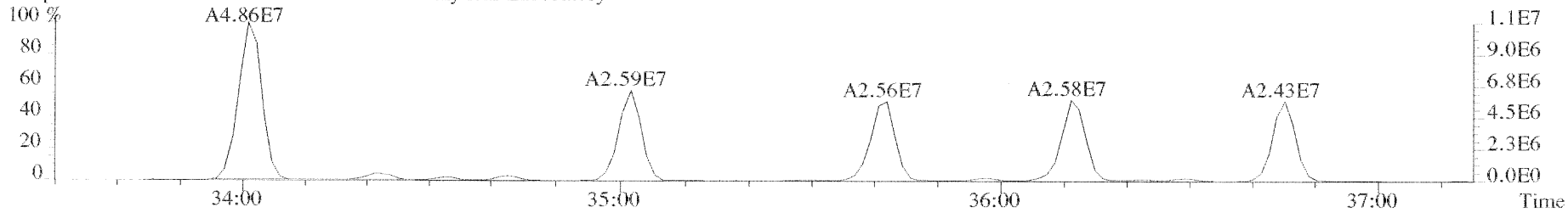
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



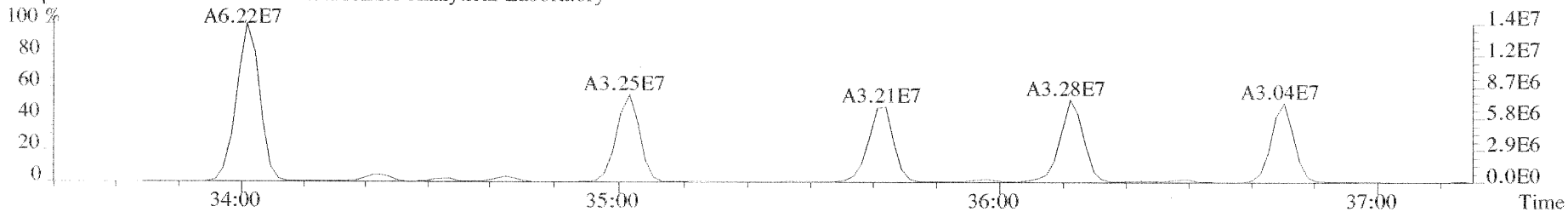
File:09NOV20Z #1-396 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:3 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



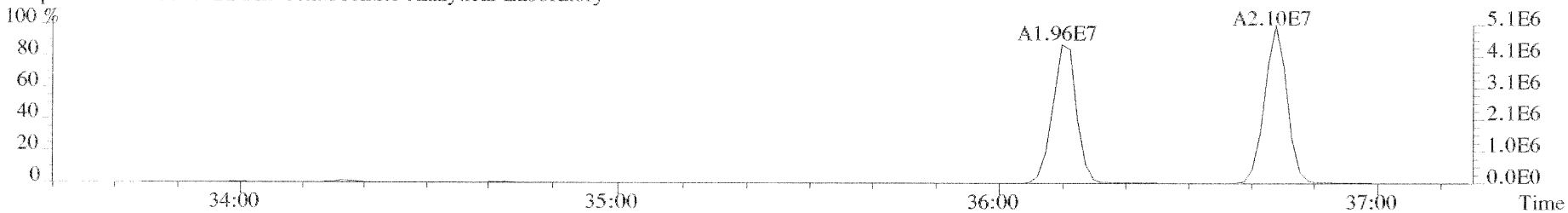
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
289.9224 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



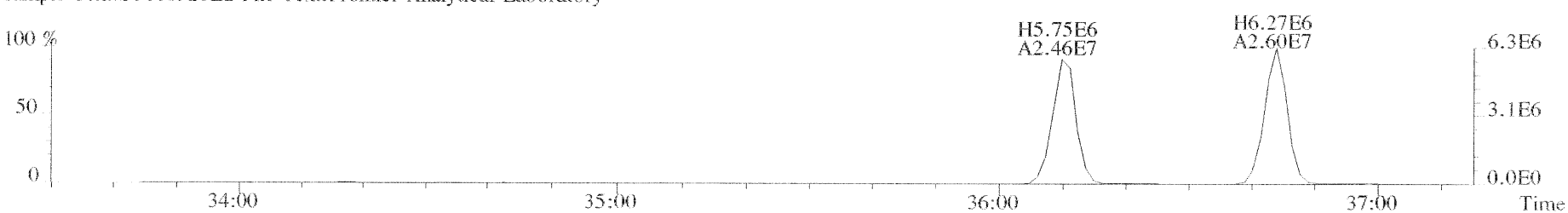
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
291.9194 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



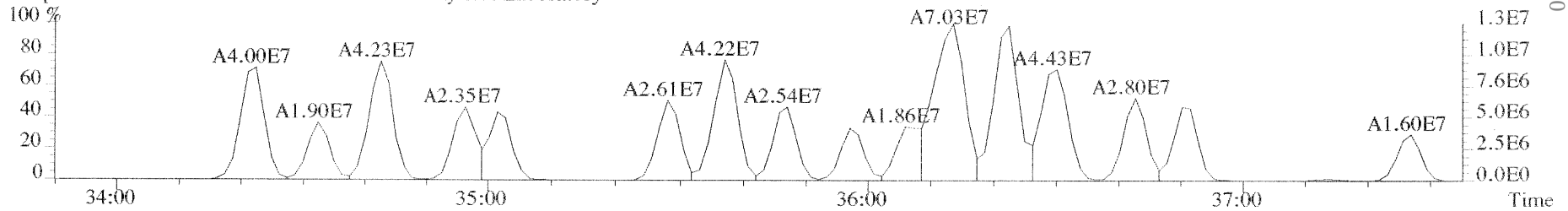
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
301.9626 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



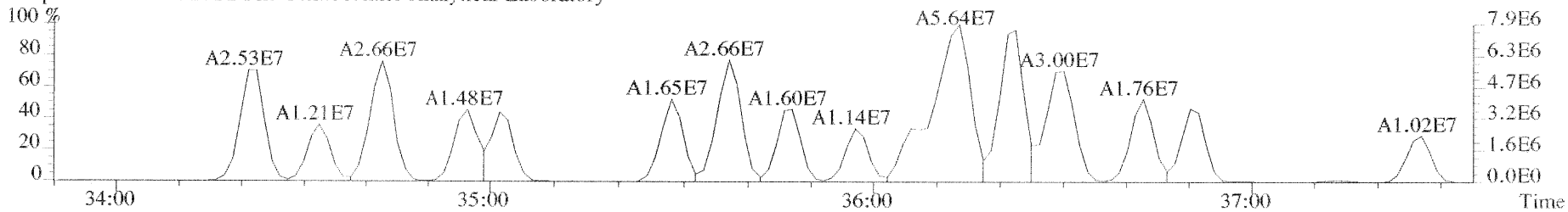
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
303.9597 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



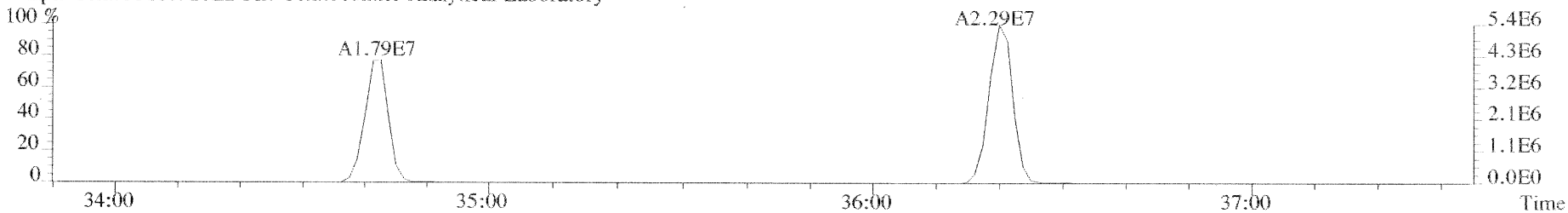
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



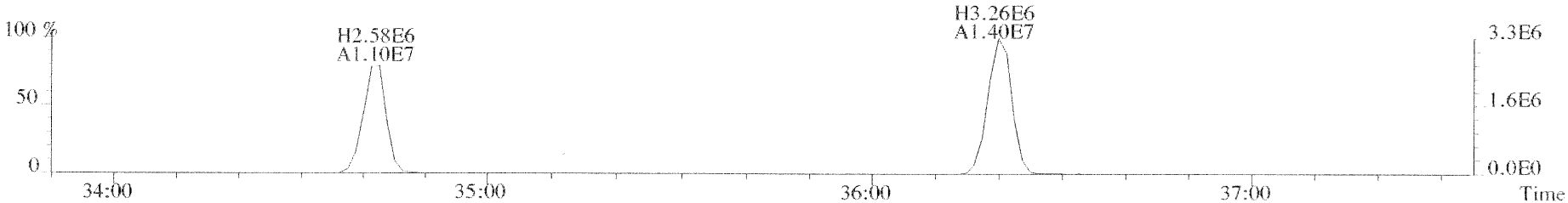
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



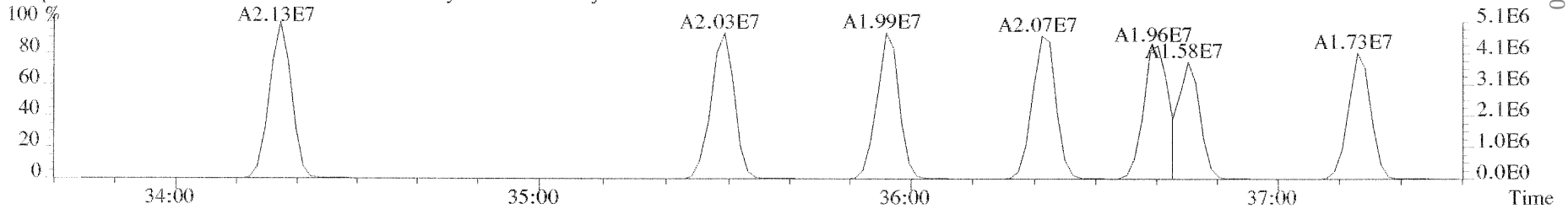
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



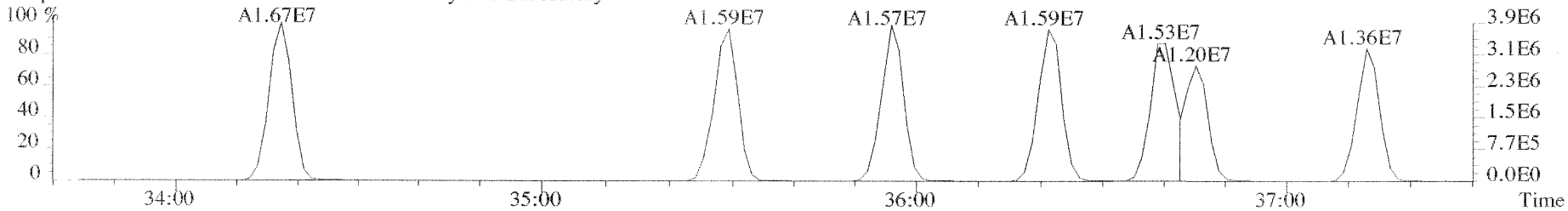
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



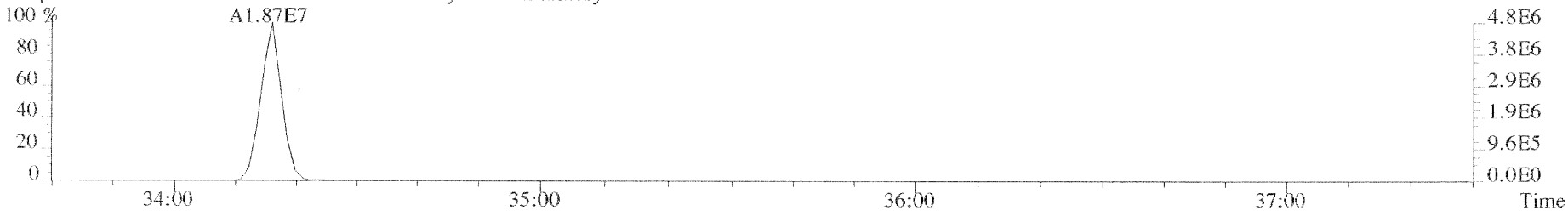
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



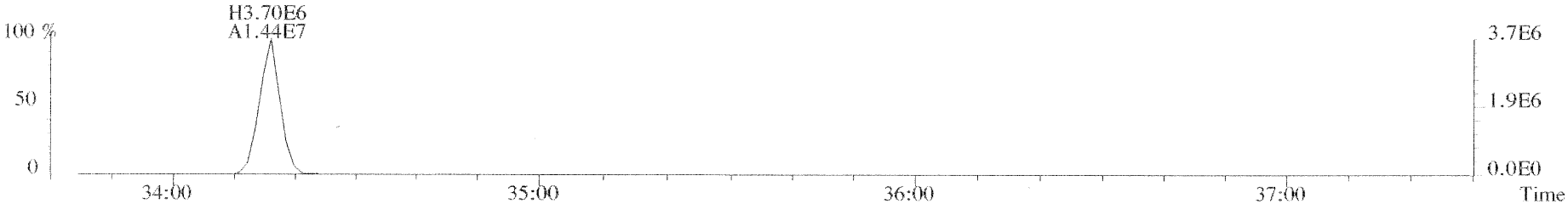
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



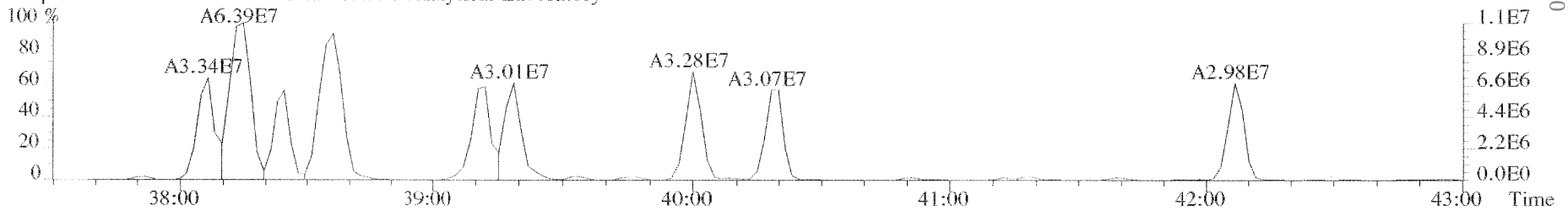
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



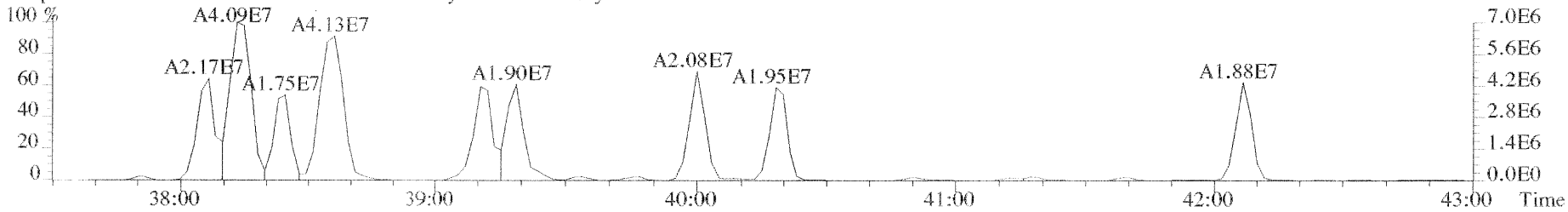
File:09NOV20Z #1-184 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:4 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



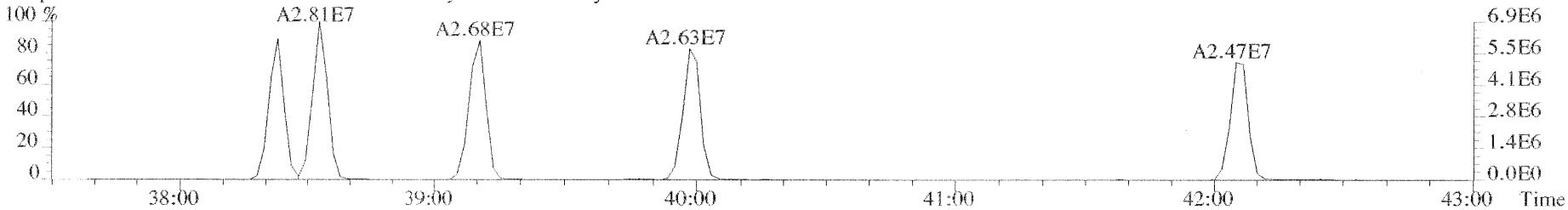
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
325.8804 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



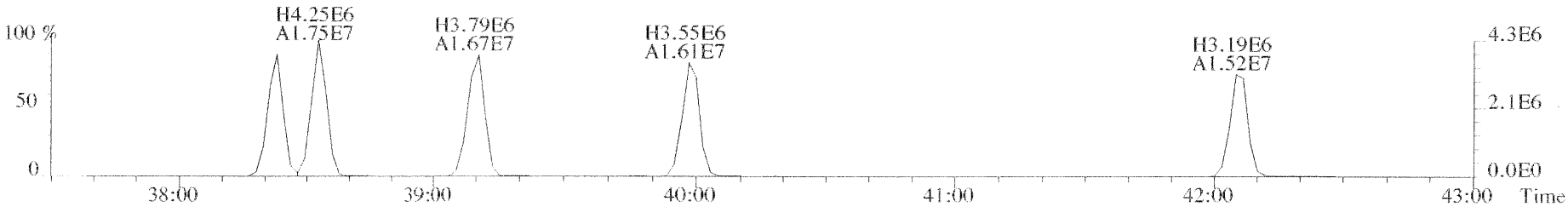
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
327.8775 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



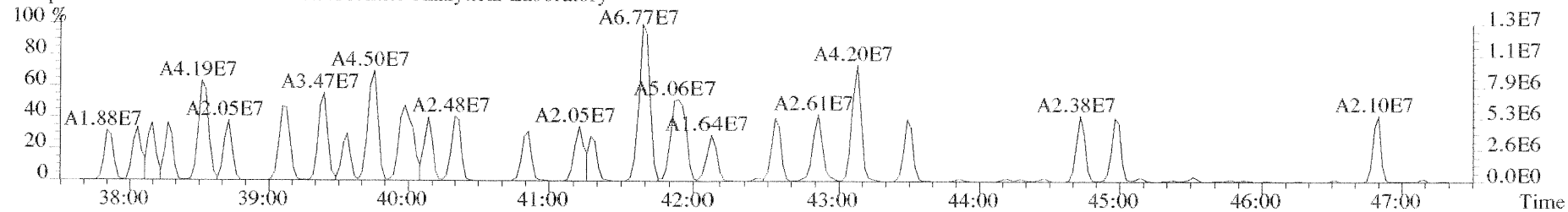
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
337.9207 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



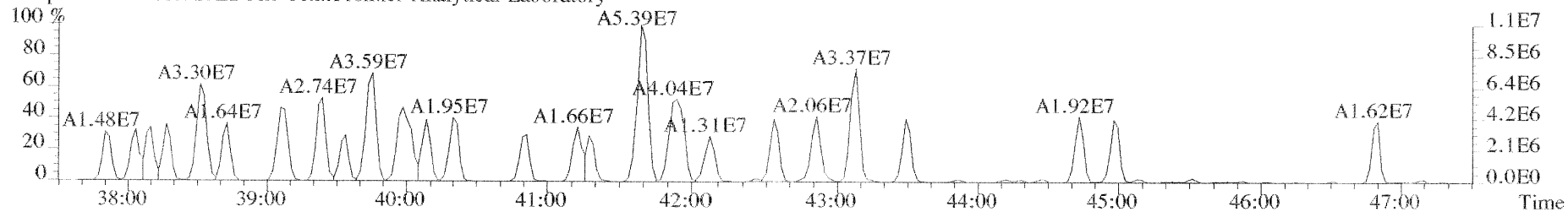
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
339.9178 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



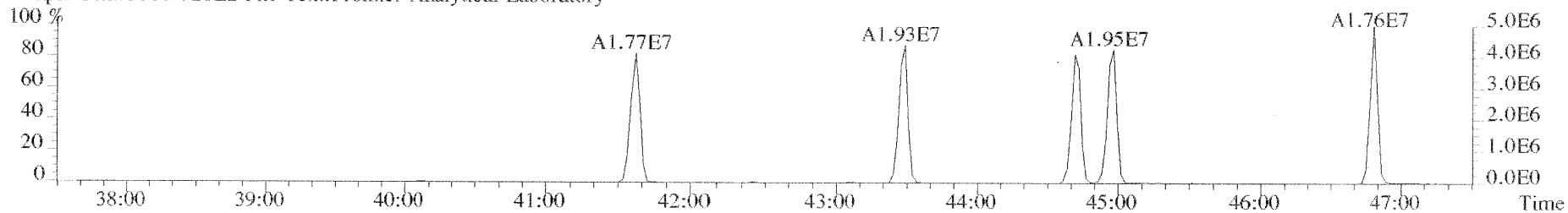
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
359.8415 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



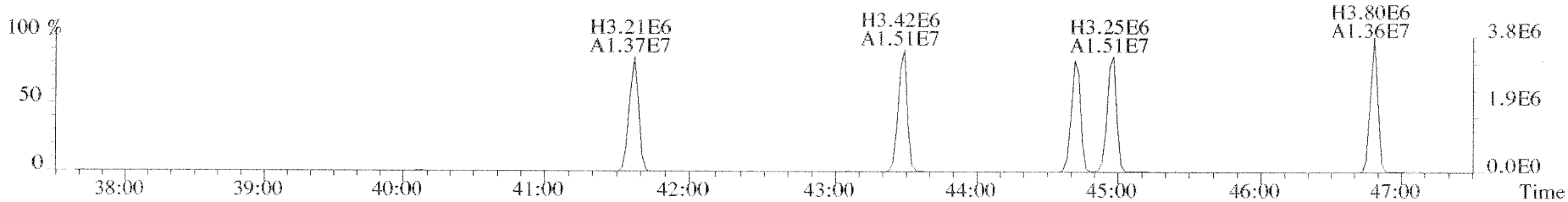
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
361.8385 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



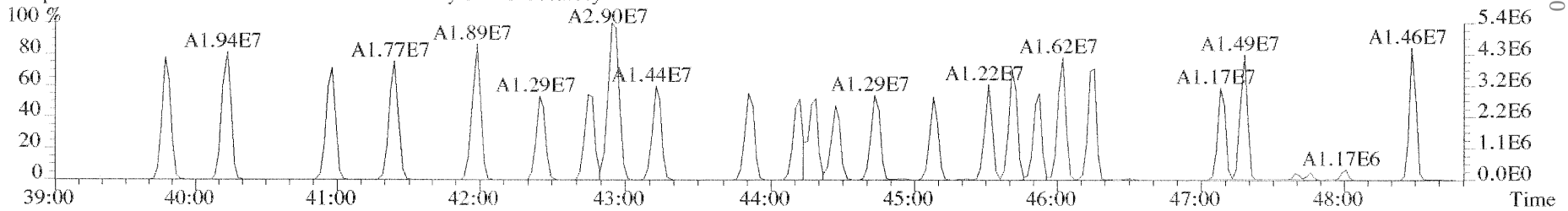
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
371.8817 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



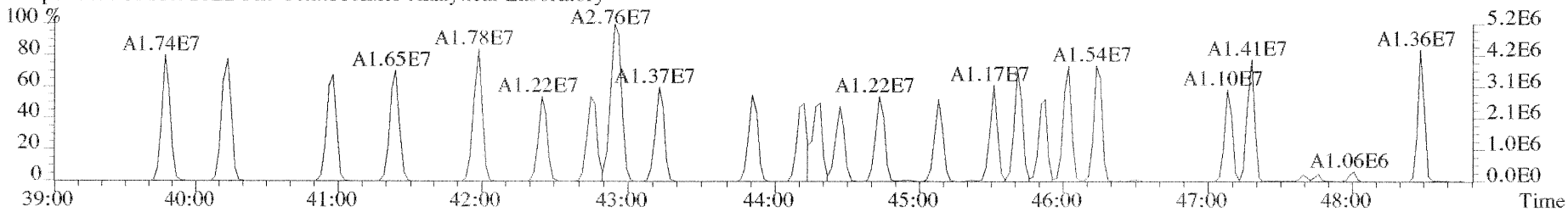
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
373.8788 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



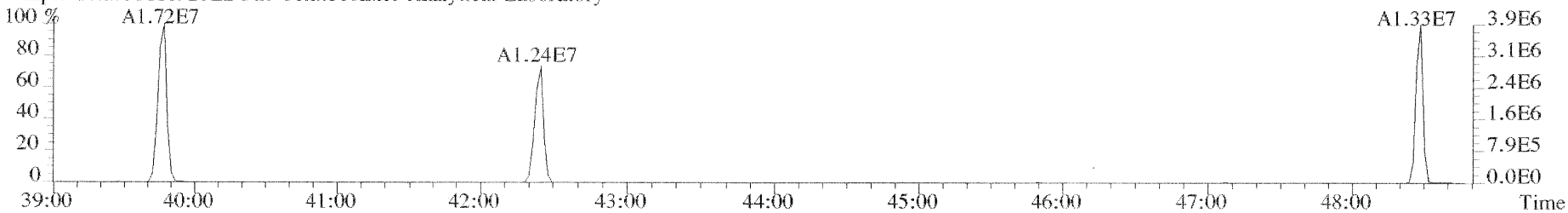
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
393.8025 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



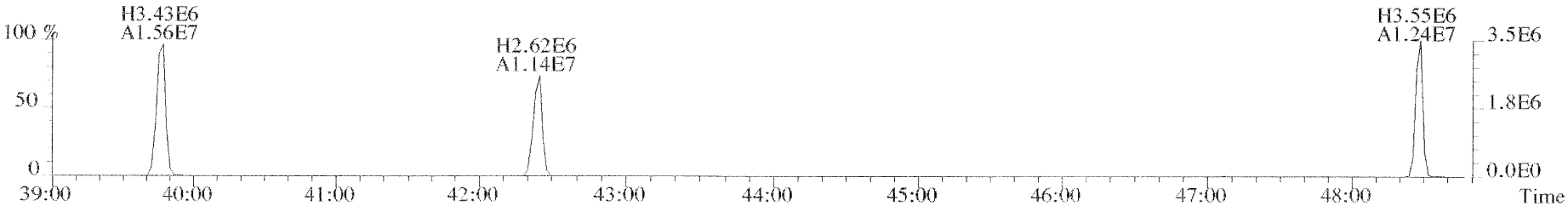
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
395.7995 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



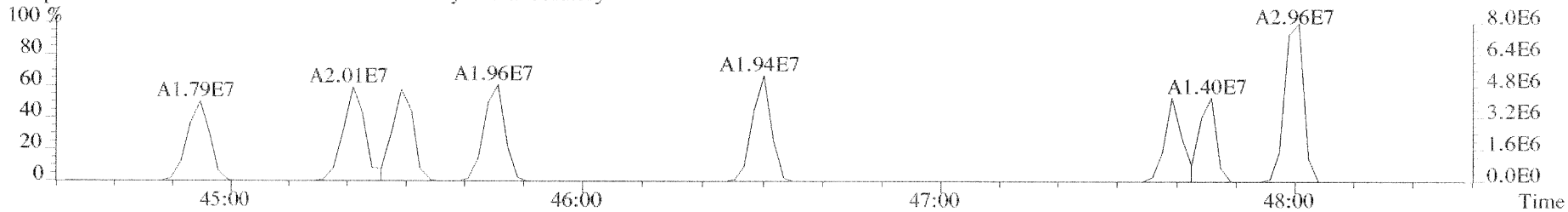
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
405.8428 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



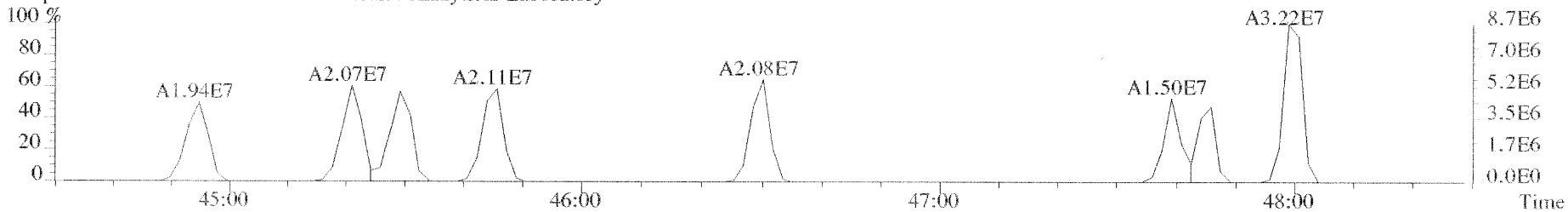
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
407.8398 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



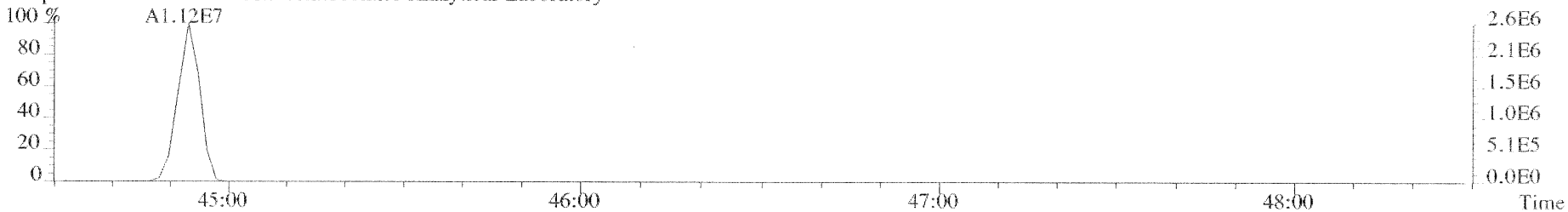
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



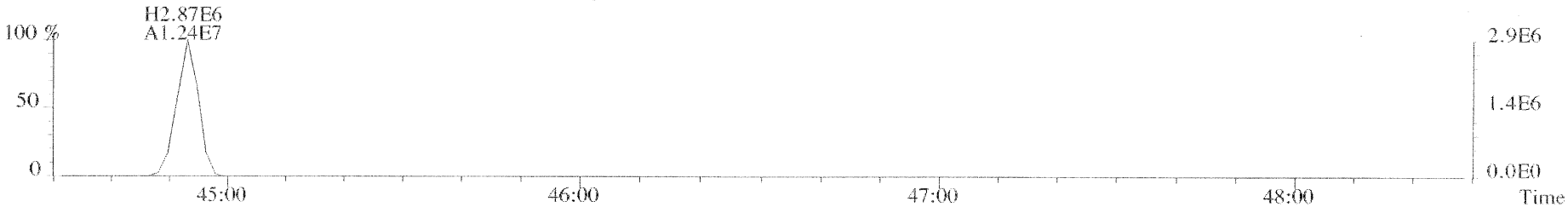
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



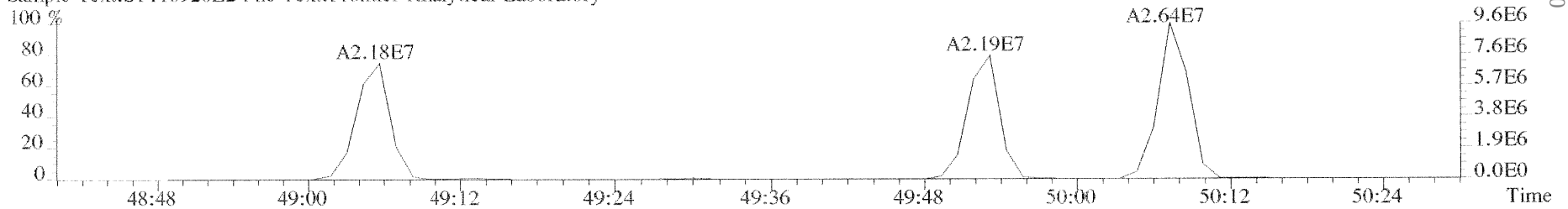
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



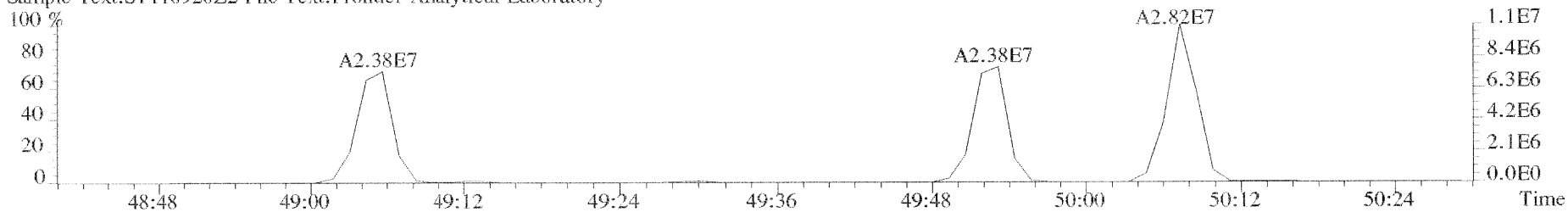
File:09NOV20Z #1-407 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:5 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



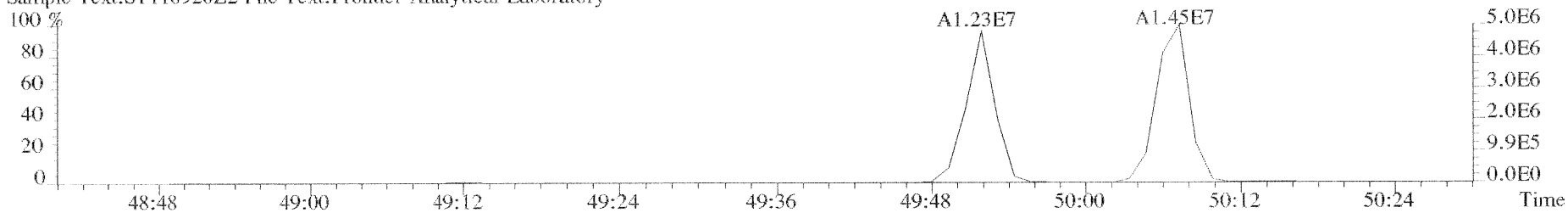
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
427.7635 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



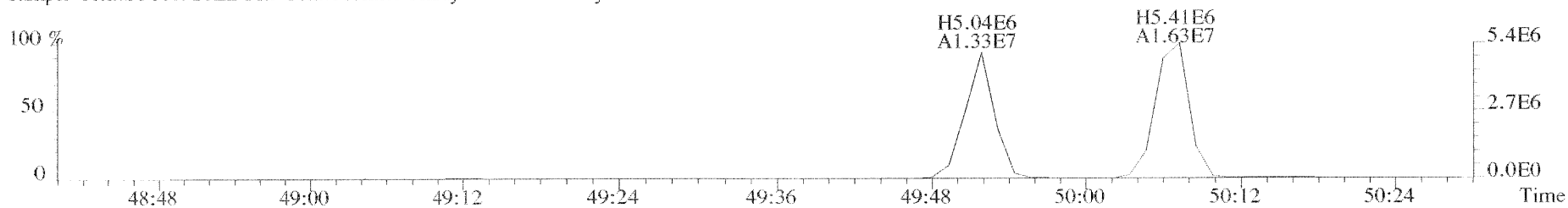
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
429.7606 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



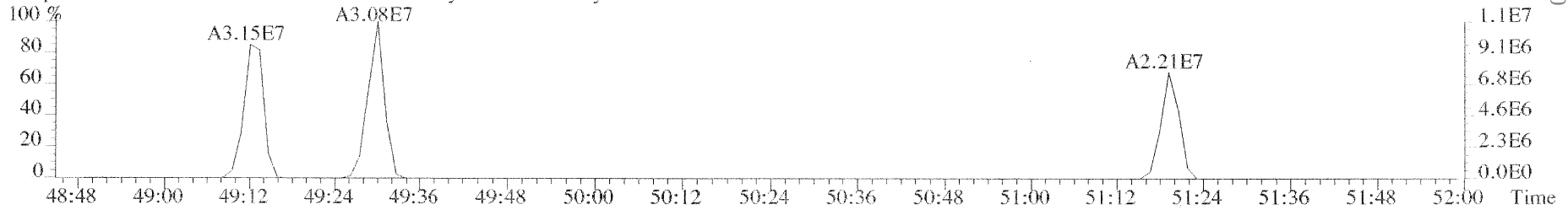
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
439.8038 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



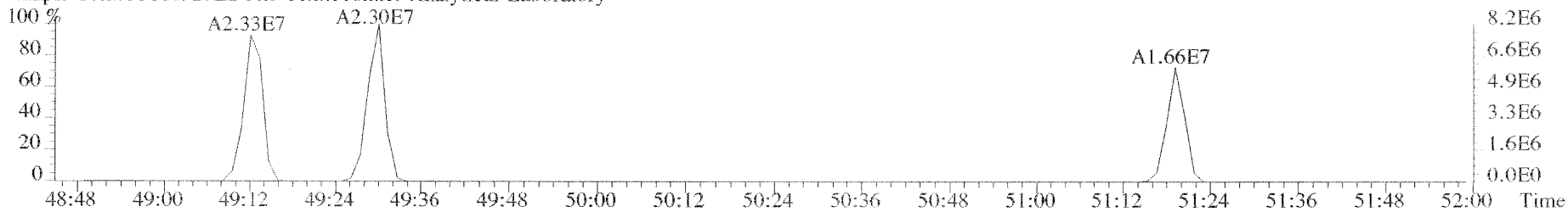
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
441.8008 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



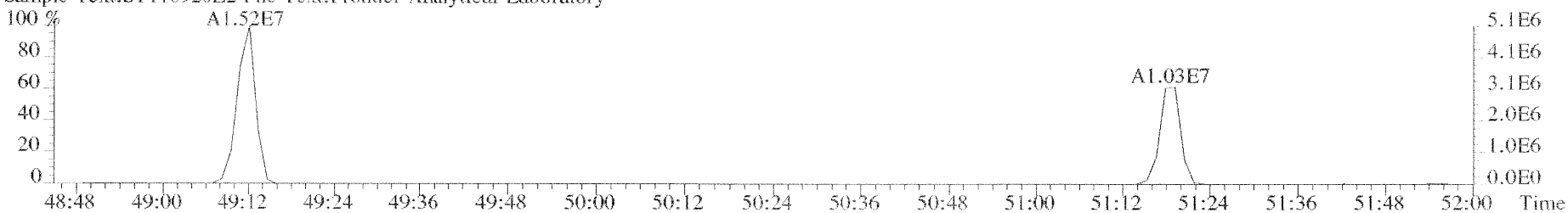
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
463.7216 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



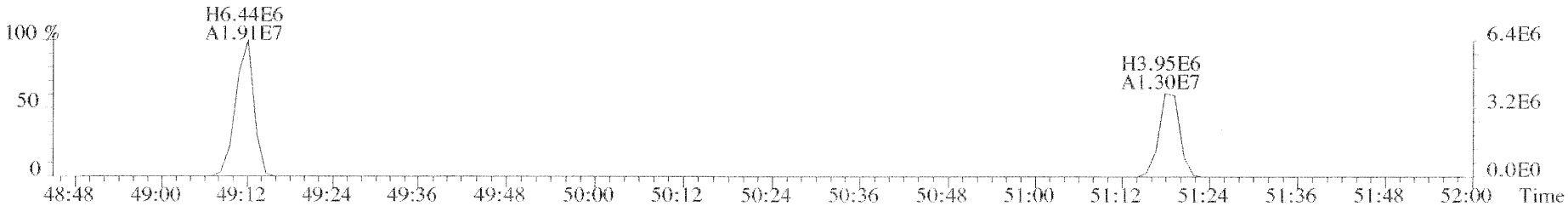
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
465.7187 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



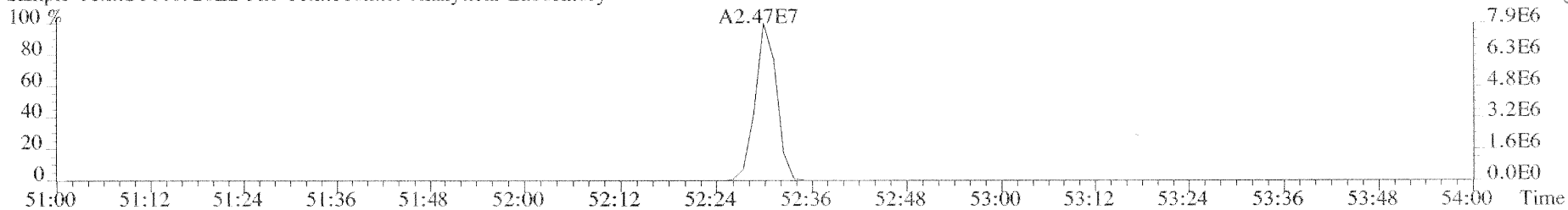
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
473.7648 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



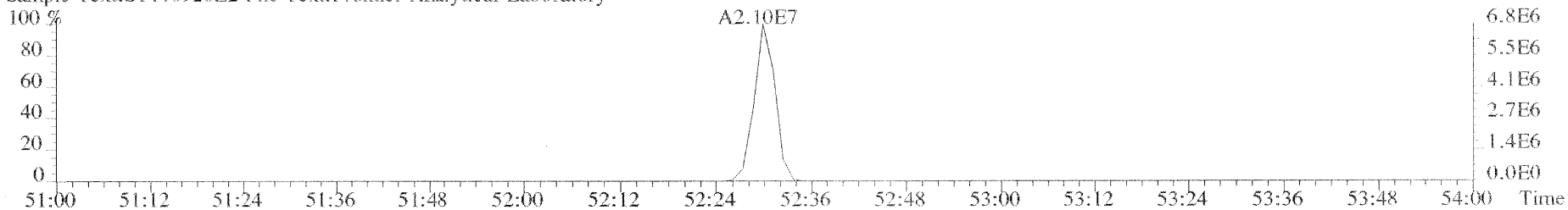
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
475.7619 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



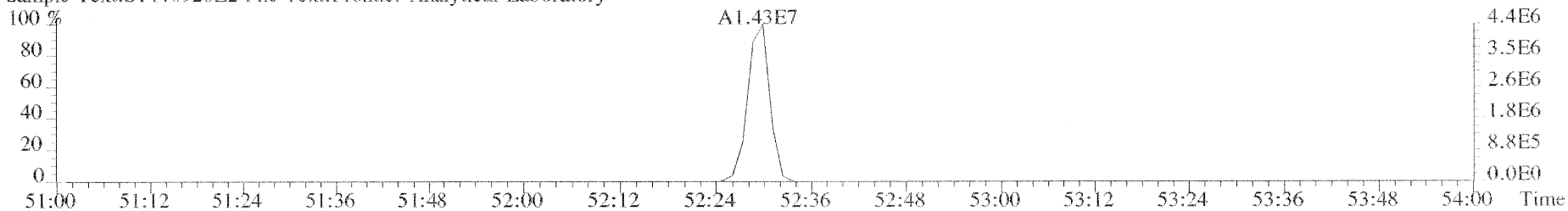
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
497.6826 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



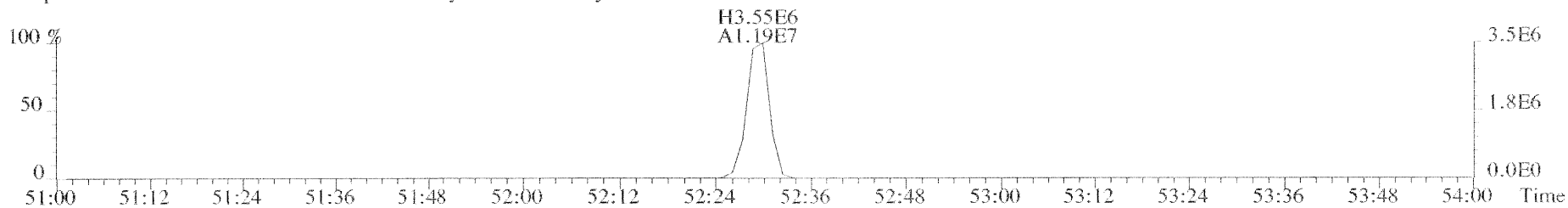
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
499.6797 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory



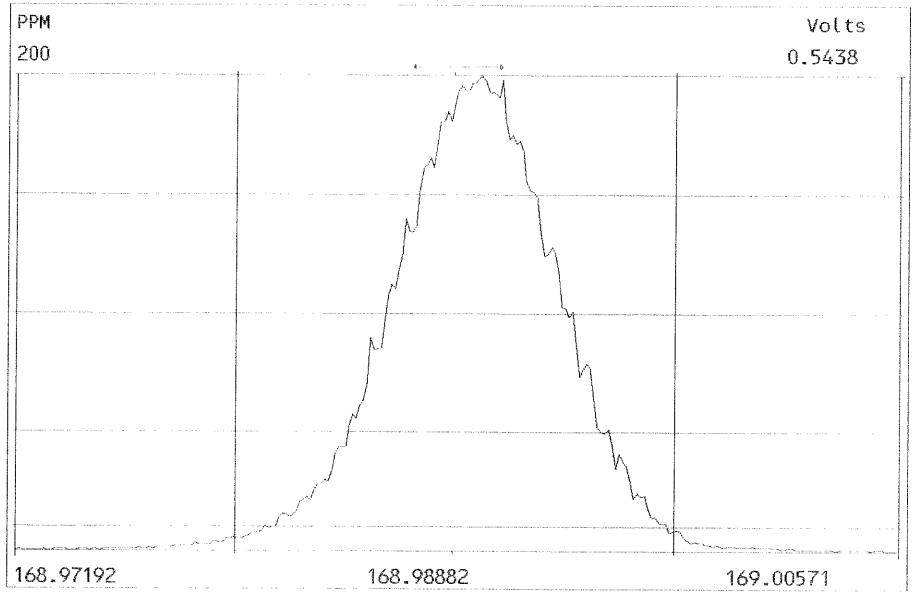
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
509.7229 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory

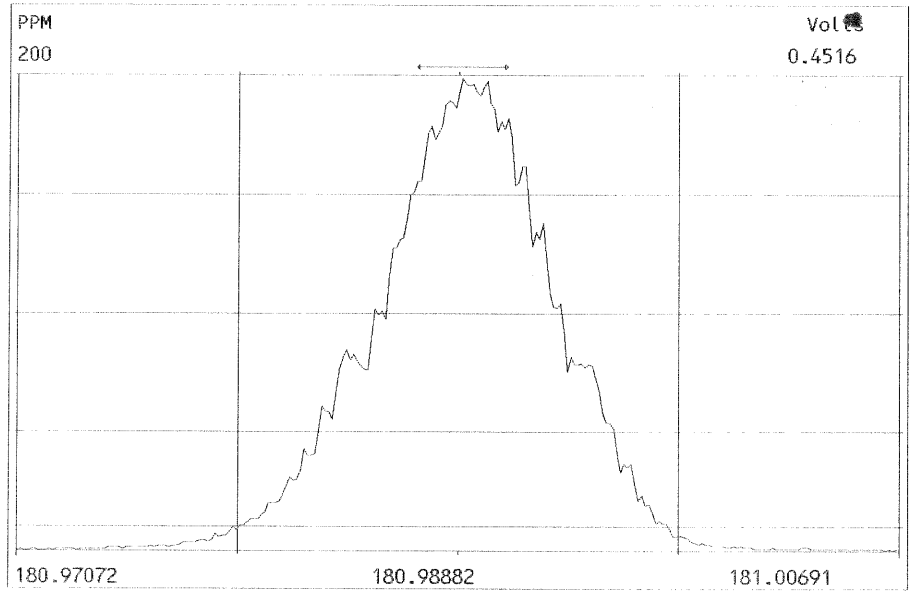


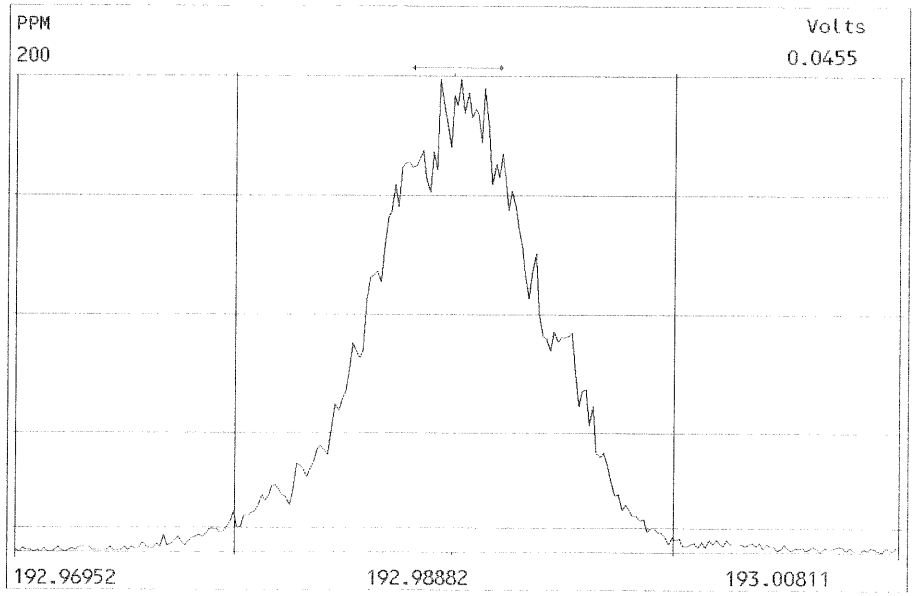
File:09NOV20Z #1-314 Acq: 9-NOV-2020 21:45:46 GC EI+ Voltage SIR Autospec-Ultima
511.7199 S:11 F:6 BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,F) Exp:1668PCB
Sample Text:ST110920Z2 File Text:Frontier Analytical Laboratory

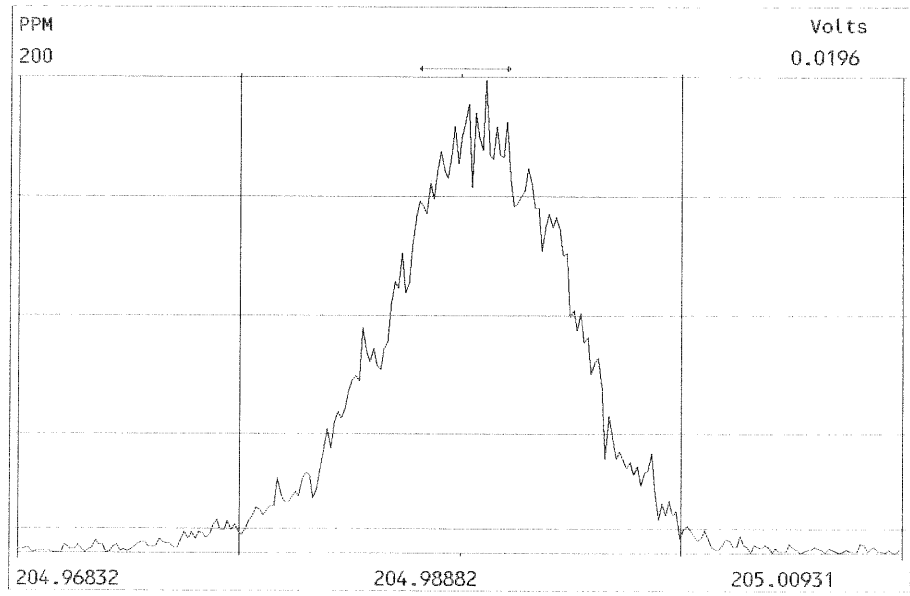


Peak Locate Examination: 9-NOV-2020:23:13 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:1 Reference:PFK



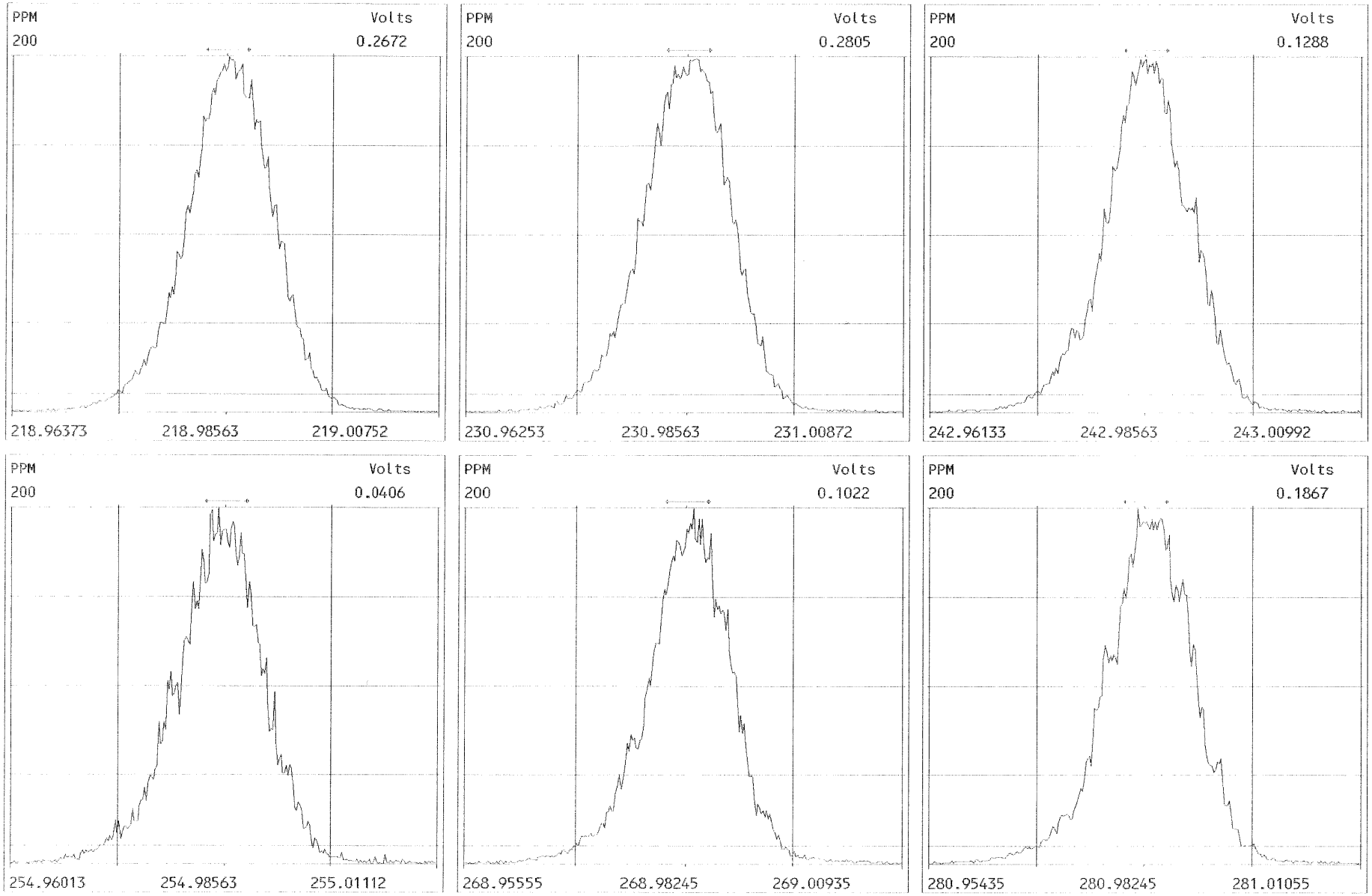




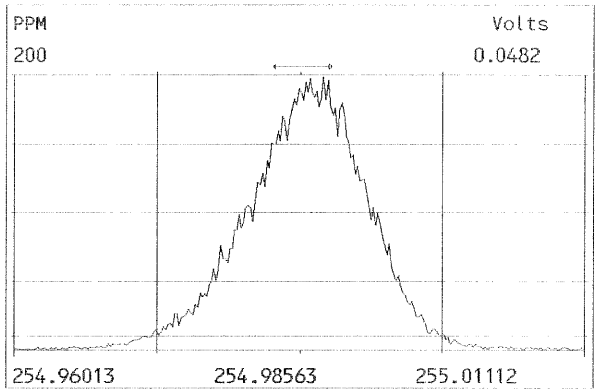


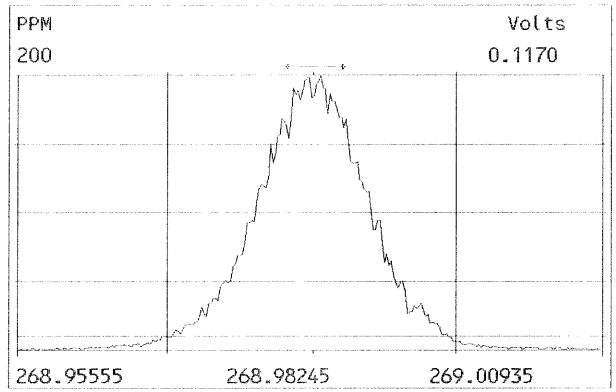
Peak Locate Examination: 9-NOV-2020:23:15 File:09NOV20Z_RES_CHECK

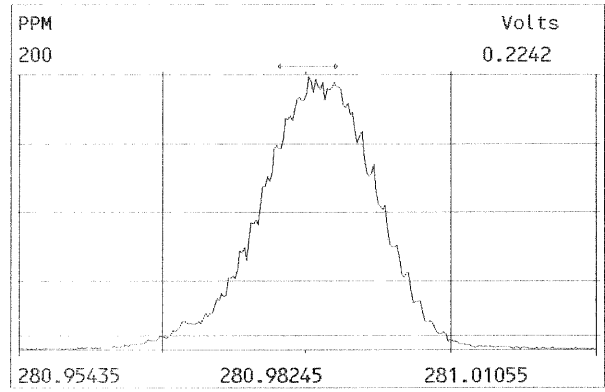
Experiment:1668PCB Function:2 Reference:PFK

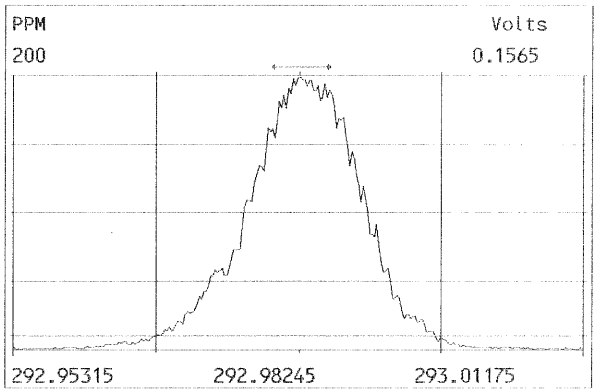


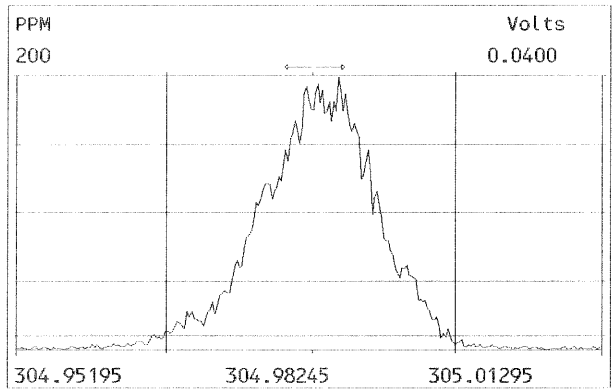
Peak Locate Examination: 9-NOV-2020:23:17 File:09NOV20Z_RES_CHECK
Experiment:1668PCB Function:3 Reference:PFK

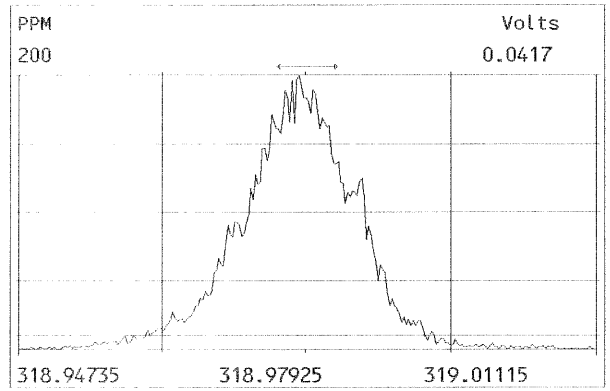


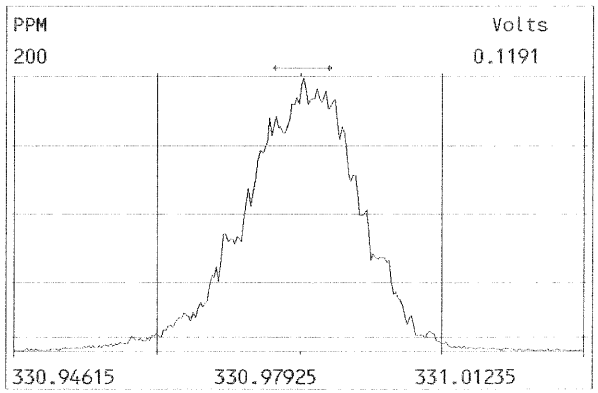


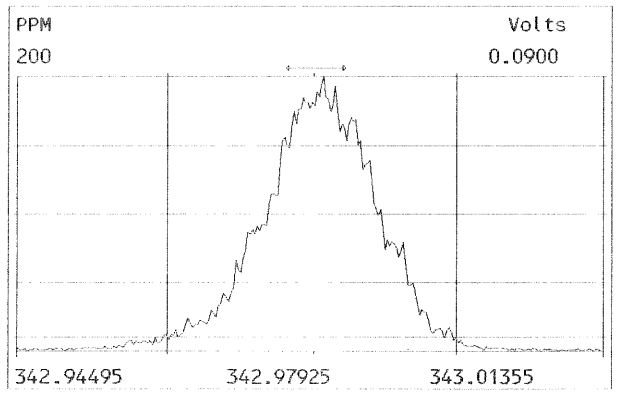






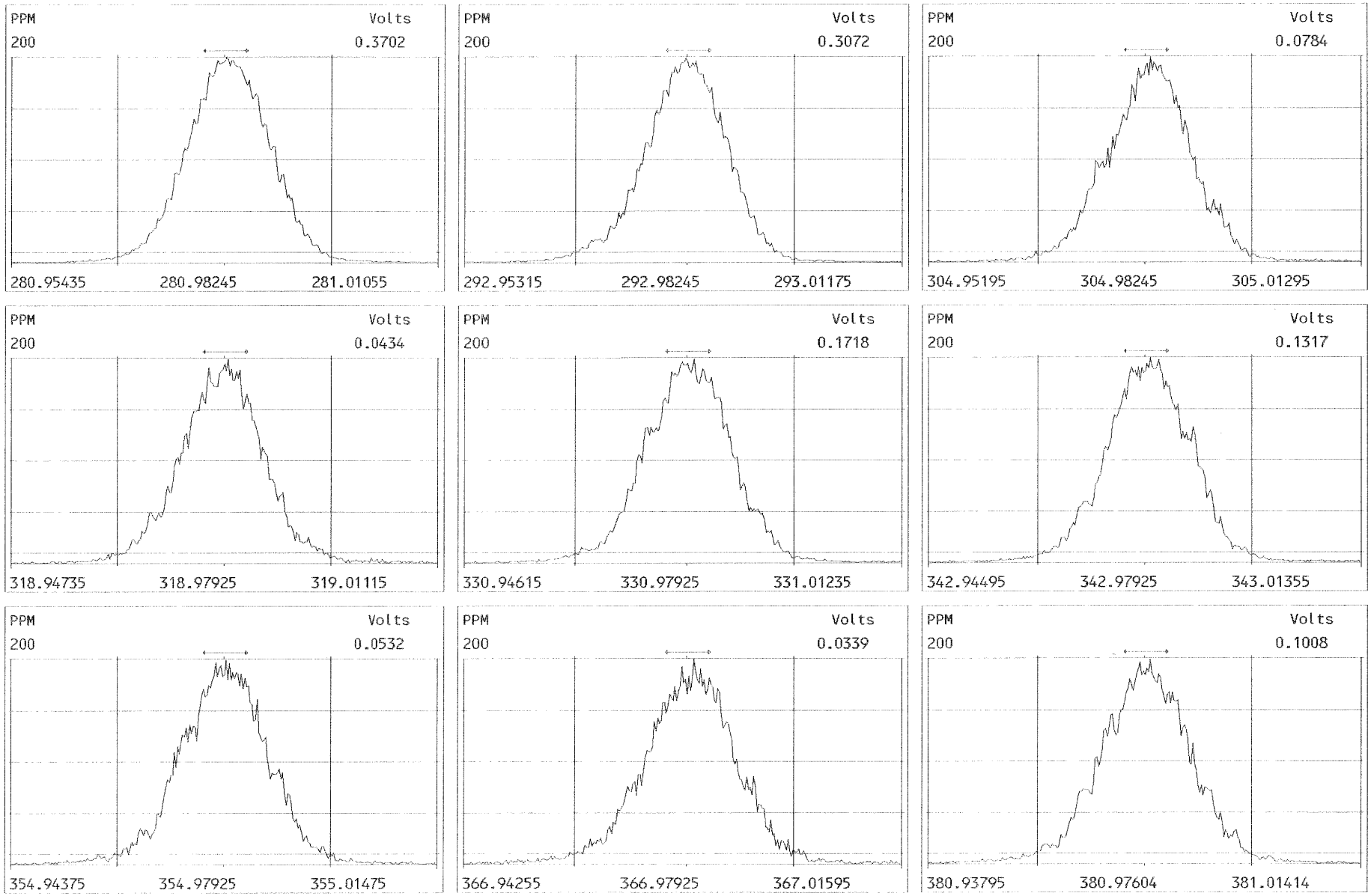




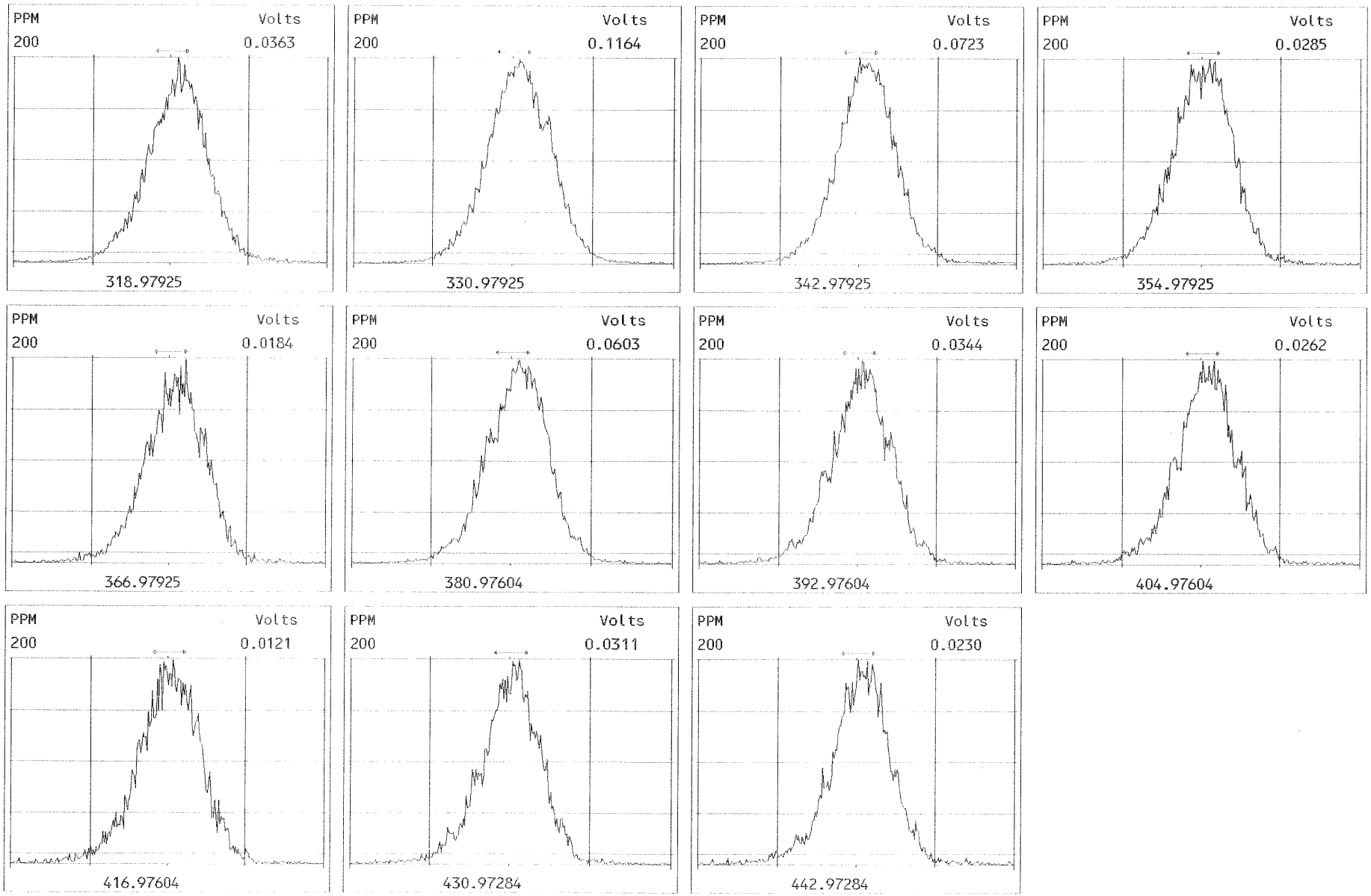
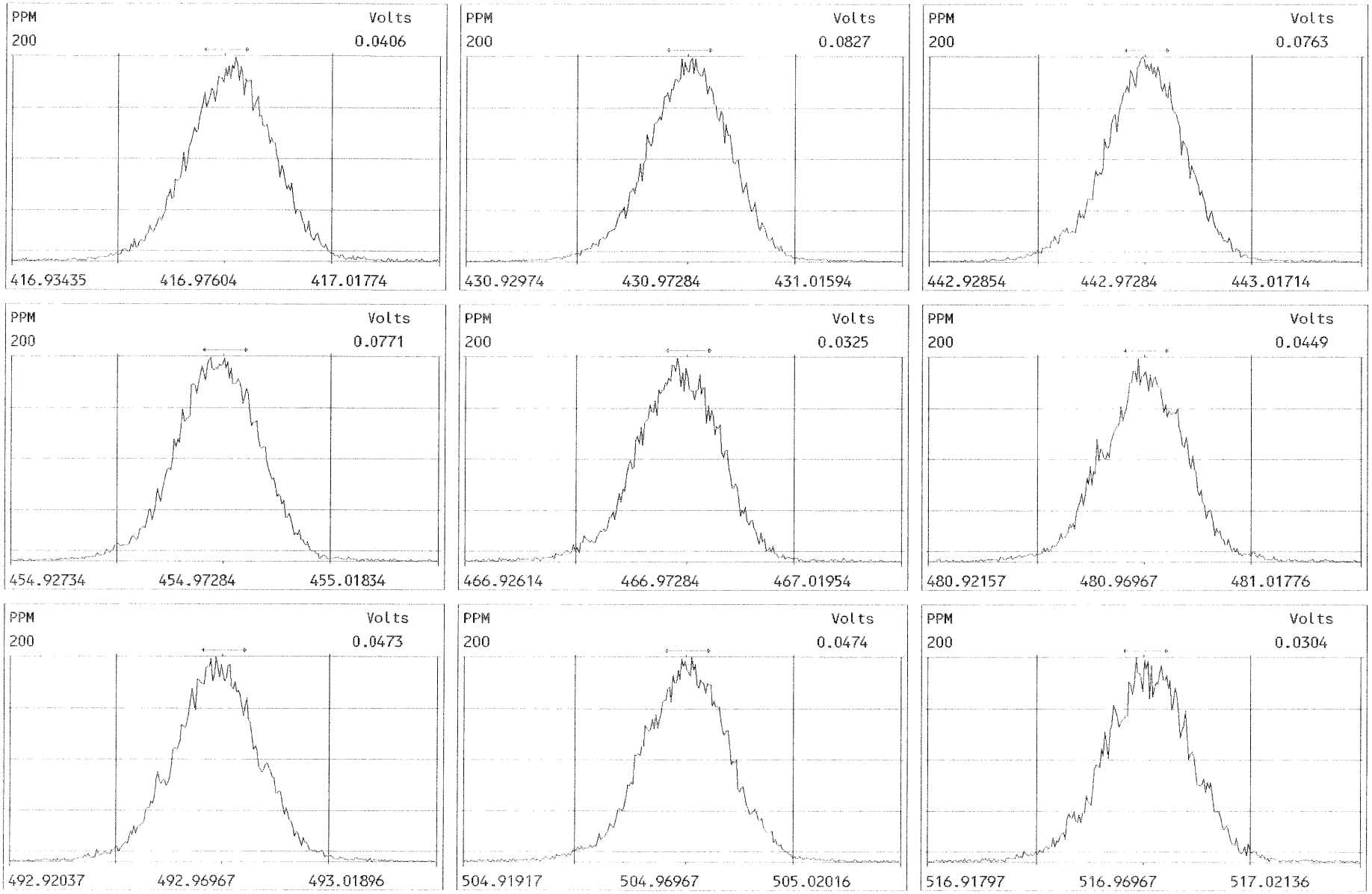


Peak Locate Examination: 9-NOV-2020:23:20 File:09NOV20Z_RES_CHECK

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